FINAL PRE-DESIGN INVESTIGATION REPORT – PARCEL 4/LOTS 4, 7, 8, AND 9

Buffalo Lakeside Commerce Park
Site No. 915193A
Buffalo, New York

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CDM Smith

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Section 1
Introduction

1.1 Background

The Buffalo Lakeside Commerce Park (BCLP) occupies over 200 acres at the southern edge of the City of Buffalo. Approximately 113 acres of the BLCP was formerly referred to as the Hanna Furnace Site (Site #915029). Originally Site #915193A encompassed a 5.5-acre portion (Parcel 4/Lot 9) of BLCP. Characterization samples collected during the summer of 2014 from the proposed laydown/staging area immediately east of Lot 9 indicated the presence of source material outside of the original Site limits. Consequently in March 2015, the New York State Department of Environmental Conservation (NYSDEC) expanded Site #915193A to include an additional 14 acres immediately east of Lot 9. Therefore Site #915193A encompassed Parcel 4/Lots 4, 7, 8, and 9 of the BLCP. Appendix A presents the letter from NYSDEC detailing the decision behind expanding the Site boundary to the 19.665 acres. Herein referred to as "the Site," Site #915193A is the 19.665-acre vacant parcel located on the western edge of the BLCP, in the northwest corner of the former Hanna Furnace parcel. It encompasses the entire New York State Environmental Restoration Program (NYSERP) Site #E915193 by the same name.

The Site is bordered to the west by New York State Route 5 and Fuhrmann Boulevard, and to the south by the remediated NYSERP site Hanna Furnace Subparcel 3 Site #B00164 (now known as the Union Ship Canal Commons public greenspace). The Union Ship Canal, a slip off of the Buffalo Outer Harbor, lies 200 feet south of the Site, and drains directly into Lake Erie. Laborer's Way and an undeveloped property owned by Consolidating Rail Corporation border the Site to the north, and Ship Canal Parkway and Sonwil Distribution Center border the Site to the east. Parcel 4 is currently zoned for light industrial/commercial use. Figure 1-1 presents the Site Vicinity Map and Figure 1-2 presents the Site Location.

Further characterization samples collected during November 2014 through October 2015 indicated the presence of subsurface soil and groundwater contamination throughout Parcel 4/Lot 9 and within a nearly three-quarter portion of Parcel 4/Lot 8. Currently, an Interim Remedial Measure (IRM) is planned for Parcel 4/Lots 8 and 9.

1.1.1 Site Features

In earlier investigations, Parcel 4/Lot 9 was often called the "Filter Cake/Flue Ash" area. Occupying much of Lot 9 is a mound of fill composed of the byproducts from pig iron production: black fine-grained flue ash, collected from the exhaust of the iron blast furnaces; and filter cake, the solids screened from the wet "scrubbers" which separated impurities from the same furnace exhaust before the combustible gases were recycled back to the furnaces. The surface of the Filter Cake/Flue Ash area is "hummocky"; actually best characterized as several smaller, connected mounds with a maximum height of approximately 15 feet. Much of the filter cake/flue ash piles are covered with fill material (clay, crushed stone and concrete), which was reportedly excavated from the construction site of a supermarket in the City of Buffalo.

The remaining portion of Parcel 4, Lots 4, 7 and 8, were also fill areas composed of the byproducts of pig iron production. Lots 4, 7, and 8 were excavated as part of a previous remedial action completed in response to the Record of Decision (ROD) issued for the Site in March 2009. Currently, the area is relatively flat and was backfilled with various building demolition debris, including brick rubble, conduit, and concrete. There is no evidence from the subsurface investigations discussed in this report that Lots 4, 7, and 8 were backfilled with a geotextile membrane demarcation layer and clean fill, as is typical of excavation performed at other remediation sites. The Retention Basin located in the south side of Parcel 4 as well as the network of catch basins leading to the Union Ship Canal were constructed and installed during the previous remedial action.

1.1.2 Historical Use

Parcel 4 was the northern most of four adjoining parcels that comprised the Hanna Furnace iron foundry. The railroad yard that serviced the foundry and the production facilities themselves, were located to the south in Parcels 1 and 2, respectively. Parcel 3 surrounded the eastern end of the Union Ship Canal and is where the foundry's raw materials (ore, coke, and limestone) were delivered and stockpiled.

Hanna Furnace purchased Parcel 4 from the Pennsylvania Railroad in 1960. At that time, a marsh and pond occupied most of the site, with railroad tracks encircling it. Over the ensuing decades, the marsh was backfilled with slag, fly ash, and demolition debris generated by the foundry. Fill material covers the entire Site and is the source of the site contamination.

1.1.3 Previous Investigations

There have been seventeen separate environmental investigations conducted on the former 200 acre Hanna Furnace property. Of these seventeen studies, six investigations included the Parcel 4 area. In 2006 an Environmental Site Investigation was completed by Malcolm Pirnie for the Buffalo Urban Development Corporation (BUDC) under the NYSERP and a Record of Decision (ROD) was issued. The Parcel 4 site remedy required the excavation and off-site disposal of discrete solid waste materials, installation of a cover system over the entire site, and the implementation of a site management plan to ensure long term care of the cover system and compliance with site use restrictions.

Based upon the results from the Remedial Investigation, the primary contaminant of concern in soil is lead. The filter cake/flue ash pile, contained lead at concentrations as high as 11,000 ppm, well above the unrestricted soil cleanup objective (SCO) of 63 ppm. Leachate from one of the five samples of this ash that were tested for the Toxicity Characteristic Leachate Procedure (TCLP) during the 2006 ERP site investigation, contained 11.7 mg/L of lead, exceeding the hazardous waste threshold of 5 mg/L. One of twelve filter cake/flue ash waste samples collected in earlier investigations (1995, 2001, and 2003) contained lead in the leachate at a concentration characteristic of a hazardous waste.

Contaminants found exceeding groundwater standards in previous investigations included: antimony, arsenic, beryllium, copper, cyanide, iron, lead, magnesium, manganese, nickel, selenium, sodium, thallium, acetone, benzene, pentachlorophenol, and phenol. Iron and sodium were found at elevated concentrations in all of the Parcel 4 wells. Two wells initially sampled during the January 2006 event in Parcel 4 had elevated concentrations of total cyanide: MW-406, located near the former Blue Fill Area, had a concentration of 6,390 µg/l and MW-307 had a concentration of 5,710 µg/l. Both wells were resampled in January 2007 for cyanide speciation.

MW-406 had a total cyanide concentration of 5,970 µg/l, 4,100 µg/l free cyanide, and 1,900 µg/l amenable cyanide. The groundwater concentrations in MW-307 were 196 µg/l for total cyanide, all of which was free cyanide. Amenable cyanide was non-detect in MW-307. The pH of the groundwater was as high as 12 SU.

Groundwater was encountered at depths between 1 and 7 feet with the shallowest groundwater found along the northern boundary of Parcel 4 and adjacent to the debris disposal pile, where standing surface water was often found. The groundwater beneath Parcel 4 generally flowed southward except in the raised area of the debris disposal pile where there was a localized radial flow. Between Parcel 4 and Union Ship canal to the south, the groundwater contours plotted during the RI/FS (2006) appeared to be influenced by the canal's north wall and/or by the railroad beds which once bordered the canal. Northwest of the canal, in the vicinity of the filter cake/flue ash area, where the canal wall is largely intact, groundwater flowed parallel to the canal wall eastward to that end of the canal where the wall is weathered and damaged and the canal wall cap is absent. It is not known if the removal of the Debris Disposal pile and re-grading of Parcel 4 has altered the groundwater flow.

1.2 Objectives of Pre-Design Sampling and Analysis

Camp Dresser McKee & Smith (CDM Smith) was retained by NYSDEC to conduct pre-design sampling and characterization to prepare a remedial design for the Site. The major focus of the pre-design investigation and sampling at the Site was to further define the limit and extent of contaminated soils. Specifically, the objectives were:

- Establish the present nature of the Site topography and parcel boundaries.
- Characterize the present nature and extent of soil contamination in Parcel 4/Lots 4, 7, 8, and 9.
- Characterize the stratigraphy present within the filter cake/flue ash piles and subsurface soils in Parcel 4/Lots 4, 7, 8, and 9.
- Evaluate the treatability potential, through a series of bench scale tests, to reduce lead concentrations within the soil at the Site.

The results of the pre-design sampling and analysis will be used in the development of a Basis of Design Report and overall remedial design for the Site based on the remedial objectives outlined in the ROD. Table 1-1 presents a summary of all sampling events, listing out the sampling locations, matrix, and chemical analyses performed.

1.2.1 Site Survey

Prior to commencing field activities a topographic and boundary survey was conducted by Popli Design Group for Parcel 4/Lot 9. Additionally, Popli Design Group surveyed the fence line, the property line boundaries were clearly staked, and pins placed at the corners showing the limits of Parcel 4/Lot 9. This survey was completed on September 27, 2012.

A follow-up survey was performed by McIntosh & McIntosh, P.C. on August 15, 2014. The purpose of this survey was to establish a topographic and boundary survey for Parcel 4/Lots 4, 7, and 8.

The topographic surveys presented in Figure 1-12 provide 1-foot interval contours of the existing property and overlaps into the adjacent properties.

1.2.2 Subsurface Investigations

Since 2012, CDM Smith has conducted six investigations of subsurface conditions at the Site. A brief description of the subsurface sampling events are described below, in chronological order.

1.2.2.1 September 2012

SJB Services Inc. (SJB), with oversight provided by CDM Smith, advanced soil borings at 25 locations using direct push drilling methods to collect soils samples and further delineate soil contamination and characterize the subsurface soil within Parcel 4/Lot 9. The soil boring locations are shown on Figure 1-3 and results are presented in Table 3-1. The borings were analyzed for visual observations of filter cake/flue ash depth and to collect soil samples for laboratory analysis for the Target Analyte List (TAL) Metals. The sampling activities and analysis results will be discussed further in Section 2.1.1.1 and Section 3.1.1, respectively. Concurrent with the September 2012 Geoprobe work, 18 test pits were dug on-site using a rubber tire backhoe. Test pits were advanced within the filter cake/flue ash piles to varying depths to determine the stratigraphy of the subsurface soils and if there were any significant amounts of concrete/debris within the piles. The test pit locations are also shown in Figure 1-3. All test pit logs and a test pit photo log are provided in Appendix B and E, respectively. The sampling activities are discussed further in Section 2.1.1.1 and the results of the test pit investigation will be discussed further Section 3.2.

Two TCLP samples were collected within the fenced area on Lot 9: one soil sample was collected during the test pit investigation at TP-14 (TCLP-1) and one subsurface sample was collected as part of the Geoprobe® investigation (SB-15 0-4 TCLP). The results of these samples are included in Table 3-1.

1.2.2.2 July 2014

In early 2014, an agreement was reached between NYSDEC and the BUDC, that following remedial activities of Parcel 4/Lot 9, NYSDEC will issue an Environmental Easement covering Parcel 4/Lots 4, 7, 8, and 9 (approximately 19.7 acres in total). Consequently a second round of investigative activities was conducted in July 2014 to further delineate soil contamination and characterize the subsurface soil within Parcel 4/Lots 4, 7, and 8. The July 2014 investigation included the collection of 16 subsurface soil samples via direct push methodology. The subsurface soil samples were analyzed for TAL metals, total cyanide, hexavalent chromium, and Semi-Volatile Organic Compounds (SVOCs). Boring locations are show on Figure 1-5 and results are presented in Table 3-2. The sampling activities and analysis results will be discussed further in Section 2.1.1.2 and Section 3.1.1, respectively.

1.2.2.3 November 2014

Following a review of the data collected during the July and August 2014 sampling rounds, additional sampling was proposed to aid in identifying potential sources of cyanide detected in the Retention Basin and catch basin network leading from the basin to the outfall. The third phase of investigation sampling was conducted in November and December 2014 and included collection of 46 subsurface soil samples from ten locations within Lot 9. The samples were collected through direct push methods and analyzed for TAL metals, total cyanide, free cyanide, available cyanide, and SVOCs. Sampling locations are shown on Figure 1-8 and results are presented in Table 3-3. The sampling activities and analysis results will be discussed further in Section 2.1.1.3 and Section 3.1.1, respectively.

1.2.2.4 May 2015

The original boundary of Site #915193A was Parcel 4/Lot 9. Subsequent evaluation of the data collected during 2014 lead to NYSDEC modifying the boundary of Site #915193A to include Parcel 4/Lots 4, 7, and 8. Consequently, additional delineation of contaminated soils was required in the vicinity of wells located in Lots 4, 7, 8 and 9, where groundwater contamination was previously seen. Additionally, characterization of soils north and west of Lots 4, 7, 8 and 9 was conducted. The fourth phase of subsurface soil sampling was conducted in May 2015 and included the collection of 109 subsurface soil samples from twenty-five locations within and around Parcel 4. Subsurface samples were collected via direct push methods and analyzed for percent moisture, TAL metals, total cyanide, free cyanide, available cyanide, and SVOCs. Sampling locations are shown on Figure 1-9 and results are presented in Table 3-4. The sampling activities and analysis results will be discussed further in Section 2.1.1.4 and Section 3.1.1, respectively.

1.2.2.5 August 2015

In early 2015, remediation at the former Republic Steel site, located less than 2 miles from BLCP, found soils with detectable levels of Technologically Enhanced Naturally Occurring Radioactive Material (TENORM) present. The soil had been loaded for offsite disposal at a nearby landfill, but was rejected due to presence of TENORM. Consequently, the excavated soils had to be real-time tested for the presence of TENORM, segregated, and disposed at an alternate facility.

Given the similarity of the site histories and the anticipated similarity of the waste characteristics between the former Republic Steel site and the former Hanna Furnace site (now known as BLCP), it was concluded that TENORM sampling of the subsurface soils was necessary for the BLCP site. The fifth phase of characterization sampling was conducted in August 2015 and included the collection of 25 composite subsurface soil samples from twenty-five locations within Parcel 4/Lots 4, 7, 8, and9. Subsurface samples were collected via split spoon sampling and analyzed for radiochemistry analyses including Radium-226, Gross Alpha and Beta radioactivity and Isotopic Uranium. Sampling locations are shown on Figure 1-10 and results are presented in Table 3-5. The sampling activities and analysis results will be discussed further in Section 2.1.1.5 and Section 3.1.1, respectively.

1.2.2.6 October 2015

To evaluate groundwater north of Lots 4, 7, 8 and 9, three temporary well points were installed on the undeveloped property located north of the Site. In conjunction with the well installation, subsurface soil samples were collected from four foot intervals to a depth of 20 feet bgs at all three locations. Subsurface soil samples were submitted to TestAmerica for analysis of TAL metals, total cyanide, free cyanide, and SVOCs. Sampling locations are shown on Figure 1-11 and sampling results are provided in Table 3-6.

1.2.3 Surface Soil Investigation

Since 2012, CDM Smith has conducted five investigations of surface soil conditions at the Site. A brief description of the subsurface sampling events are described below, in chronological order.

1.2.3.1 September 2012

Two surface soil samples were collected during the initial investigation performed in September 2012 and analyzed for TCLP metals. Sampling locations are shown on Figure 1-3 and presented in Table 3-7. The sampling activities and analysis results will be discussed further in Section 2.1.2.1 and Section 3.1.2, respectively.

1.2.3.2 January 2013

Upon further review of the results from the September 2012 investigation, personnel from NYSDEC requested a second round of surface soil samples be collected for TCLP metals and hexavalent chromium. Eight additional surface soil samples were collected in January 2013. All surface soil sampling locations are shown in Figure 1-4 and the results are shown in Table 3-8. The sampling activities and analysis results will be discussed further in Section 2.1.2.2 and Section 3.1.2, respectively.

1.2.3.3 July 2014

Based on the Environmental Easement agreement reached between NYSDEC and BUDC, a third round of investigative activities was conducted in July 2014 to characterize the surface soil conditions within Parcel 4/Lots 4, 7, and 8. The July 2014 investigation included the collection of 51 surface soil samples collected in a grid pattern across the Lots. The surface soil samples were analyzed for TAL metals, total cyanide, hexavalent chromium, and SVOCs. Sampling locations are shown on Figure 1-5 and presented in Table 3-9. The sampling activities and analysis results will be discussed further in Section 2.1.2.3 and Section 3.1.2, respectively.

1.2.3.4 November 2014

Following a review of the data collected during the July 2014 sampling rounds, additional sampling was proposed to aid in identifying potential sources of cyanide detected in the Retention Basin and catch basin network leading from the basin to the outfall. The fourth phase of investigation sampling was conducted in November 2014 and included collection of ten surface soil samples from locations within Lot 9. The samples were analyzed for TAL metals, total cyanide, free cyanide, available cyanide, and SVOCs. Sampling locations are shown on Figure 1-8 and presented in Table 3-10. The sampling activities and analysis results will be discussed further in Section 2.1.2.4 and Section 3.1.2, respectively.

1.2.3.5 October 2015

CDM Smith collected six surface soil samples on October 13, 2015 to determine a correlation with the high pH observed in surface water samples previously collected from utilities. Four samples were collected from the property located north of Parcel 4 and two were collected near the center of Parcel 4 and upgradient of the Retention Basin. Samples were submitted to TestAmerica for analysis of TAL metals and pH. Sampling locations are shown on Figure 1-11 and results are presented in Table 3-11.

1.2.4 Pre-Design Bench Scale Testing for Lead

The work plan submitted by CDM Smith on August 7, 2012 outlined bench scale treatability tests that would be performed in the event the pre-design investigation showed that the soils at the Site could be characterized as hazardous due to high lead concentrations. CDM Smith collected a 5-gallon bucket of soil from the fenced area that was determined to be characteristically hazardous previously, and submitted it to CDM Smith's Bellevue, Washington laboratory for future testing. That testing was suspended because the results of the first round of pre-design investigation showed that lead levels, while exceeding the Restricted Commercial Use SCO in certain locations, could not be characterized as hazardous based on the TCLP analysis. The second round of surface soil samples also showed lead concentrations below the hazard classification. As a result, the bench scale treatability tests have been cancelled.

1.2.5 Temporary Well Installation and Low-Flow Groundwater Sampling

Since 2014, CDM Smith has conducted five investigations of shallow groundwater conditions at the Site. A brief description of the temporary monitoring well installation and subsequent groundwater sampling events are described below, in chronological order.

1.2.5.1 July 2014

In early 2014, an agreement was reached between NYSDEC and the Buffalo Urban Development Corporation (BUDC), that following remedial activities of Parcel 4/Lot 9, NYSDEC will issue an Environmental Easement covering Parcel 4/Lots 4, 7, 8, and 9 (approximately 19.7 acres in total). Consequently, characterization of the shallow groundwater at the Site was required.

During the July 2014 sampling event, 12 temporary groundwater monitoring well points were installed in Parcel 4/Lots 4, 7, 8, and 9. After development, groundwater samples were collected from the temporary monitoring wells via low-flow sample collection methods. The groundwater samples were analyzed for field parameters, TAL metals, total cyanide, hexavalent chromium, and SVOCs. Sampling locations are shown on Figure 1-5 and presented in Table 3-12. The sampling activities and analysis results will be discussed further in Section 2.4.1 and Section 3.4, respectively.

1.2.5.2 August 2014

Based on the elevated results of TAL metals, total cyanide, hexavalent chromium, and SVOCs detected from the July 2014 sampling activities, a second phase of groundwater sampling was completed in August 2014 to confirm these results. CDM Smith collected groundwater samples from the 12 temporary well points using low-flow sampling techniques. The samples were analyzed for TAL metals, total cyanide, hexavalent chromium, and SVOCs. Sampling locations are shown on Figure 1-6 and presented in Table 3-13. The sampling activities and analysis results will be discussed further in Section 2.4.2 and Section 3.4, respectively.

1.2.5.3 September 2014

A third round of groundwater samples were collected from four well temporary well points that displayed elevated levels of Total Cyanide during the July and August 2014 sampling events. Groundwater samples were again collected using low-flow techniques and samples were analyzed for field parameters, total cyanide, Weak Acid Dissociable (WAD) cyanide, cyanide amenable to chlorination (amenable cyanide), and Physiologically Available Cyanide (PAC). Sampling locations are shown on Figure 1-7 and presented in Table 3-14. The sampling activities and analysis results will be discussed further in Section 2.4.3 and Section 3.4, respectively.

1.2.5.4 November and December 2014

Following a review of the data collected during the July, August, and September 2014 sampling rounds, additional sampling was proposed to aid in identifying potential sources of cyanide detected in the Retention Basin and catch basin network leading from the basin to the outfall. The fourth phase of investigation sampling was conducted in November and December 2014 and included collection of groundwater samples from the 12 temporary well points within Parcel 4/Lots 4, 7, 8, and 9. The samples were collected using low-flow sampling techniques and analyzed for field parameters TAL Metals (filtered and unfiltered), total cyanide (filtered and unfiltered), free cyanide (filtered and unfiltered), available cyanide (filtered and unfiltered), and SVOCs (filtered and unfiltered). Sampling locations are shown on Figure 1-8 and presented in Table 3-15. The sampling activities and analysis results will be discussed further in Section 2.4.4 and Section 3.4, respectively.

1.2.5.5 October 2015

CDM Smith collected an additional round of groundwater samples between October 14 and 22, 2015 from nine of the temporary well points installed in 2014, the three new temporary wells installed in October 2015 (TP-13, TP-14 and TP-15) and three existing monitoring wells (MW-404, MW-405 and MW-UNK). The purpose of the additional groundwater sampling was to determine whether the new temporary wells north of Parcel 4 indicate a potential source of the SVOCs observed in TP-02 through TP-06 and TP-08 through TP-11. Secondly, groundwater samples were collected to characterize the groundwater in the older, existing monitoring wells located on Parcel 4. Filtered and unfiltered samples were submitted to TestAmerica for TAL metals, total cyanide, and SVOCs and to Alloway for analysis of free cyanide. Sample locations are shown on Figure 1-11 and results are presented in Table 3-16.

1.2.6 Surface Water Sampling

During the July and August 2014 sampling rounds, the color of the Retention Basin located in Parcel 4/Lot 7 was observed to be a vibrant blue color, with gray fluffy sediment, and not supporting any forms of life. No insects, amphibians, or even plant life was observed within this water body. Additionally, groundwater seeps were observed through the fluffy sediment.

Since 2014, CDM Smith has conducted four investigations of surface water conditions at the Site. A brief description of the surface water sampling events are described below, in chronological order.

1.2.6.1 September 2014

Given the elevated levels of cyanide observed in the subsurface soils and shallow groundwater from the earlier sampling events, CDM Smith collected surface water samples from the three locations within the Retention Basin (the inlet, middle, and outlet of the Retention Basin), four catch basins outletting from the Retention Basin, and one sample from the Union Ship Canal Outfall. The samples were collected during the September 2014 event using low-flow pumping techniques. The samples were analyzed for TAL metals, total cyanide, WAD cyanide, amenable cyanide, and PAC. Sampling locations are shown on Figure 1-7 and presented in Table 3-17. The sampling activities and analysis results will be discussed further in Section 2.5.1 and Section 3.5, respectively.

1.2.6.2 November 2014

Following a review of the data collected during the September 2014 sampling rounds, additional sampling was proposed to aid in identifying potential sources of cyanide detected in the Retention Basin and catch basin network leading from the basin to the outfall. Therefore, CDM Smith collected surface water samples from 15 catch basins, three locations within the Retention Basin, and the Outfall at the Union Ship Canal. All samples were collected using low-flow sampling techniques and analyzed for field parameters, TAL metals (filtered and unfiltered), total cyanide (filtered and unfiltered), free cyanide (filtered and unfiltered), available cyanide (filtered and unfiltered), and SVOCs (filtered and unfiltered). Sampling locations are shown on Figure 1-8 and presented in Table 3-18. The sampling activities and analysis results will be discussed further in Section 2.5.2 and Section 3.5, respectively.

1.2.6.3 May 2015

Subsequent evaluation of the data collected during the third sampling round lead to further sampling. This was proposed to aid in the delineation of contamination around wells in Lots 4, 7, 8 and 9, where groundwater contamination was previously seen, as well as, the characterization of areas north and west of Lots 4, 7, 8 and 9. The third phase of characterization sampling was conducted in May 2015 and included the collection of 29 surface water samples from catch basins contributing to the Retention Basin. Surface water samples were collected using low-flow sampling techniques and analyzed for field parameters, TAL metals (filtered and unfiltered), total cyanide (filtered and unfiltered), free cyanide (filtered and unfiltered), and SVOCs (filtered and unfiltered). Sampling locations are shown on Figure 1-9 and presented in Table 3-19. The sampling activities and analysis results will be discussed further in Section 2.5.3 and Section 3.5, respectively.

1.2.6.4 October 2015

CDM Smith collected additional surface water samples between October 16 and 22, 2015 from the three Retention Basin locations and from 27 catch basins within and surrounding Parcel 4. Filtered and unfiltered samples were submitted to TestAmerica for TAL metals and SVOCs. Sample locations are shown on Figure 1-11 and results are presented in Table 3-20.

1.2.7 Sediment Sampling

As described in Section 1.2.7, during the July and August 2014 sampling rounds, the color of the Retention Basin located in Parcel 4/Lot 7 was observed to be a vibrant blue color, with gray fluffy sediment, and not supporting any forms of life. No insects, amphibians, or even plant life was observed within this water body. Additionally, groundwater seeps were observed through the fluffy sediment.

Since 2014, CDM Smith has conducted two investigations of catch basin and Retention Basin sediment conditions at the Site. A brief description of the sediment sampling events are described below, in chronological order.

1.2.7.1 September 2014

Given the elevated levels of cyanide observed in the subsurface soils and shallow groundwater from the earlier sampling events, CDM Smith collected sediment samples from the three locations within the Retention Basin (the inlet, middle, and outlet of the Retention Basin), two catch basins outletting from the Retention Basin to the Outfall at the Union Ship Canal, and one sample from the Union Ship Canal Outfall. The samples were collected during the September 2014 event using a scoop on a telescoping wand. The samples were analyzed for percent solids, TAL metals, total cyanide, WAD cyanide, amenable cyanide, and PAC. Sampling locations are shown on Figure 1-7 and presented in Table 3-21. The sampling activities and analysis results will be discussed further in Section 2.6.1 and Section 3.6, respectively.

1.2.7.2 November and December 2014

Following a review of the data collected during the July, August, and September 2014 sampling rounds, additional sampling was proposed to aid in identifying potential sources of cyanide detected in the Retention Basin and catch basin network leading from the basin to the outfall. Therefore, CDM Smith collected sediment samples from the three locations within the Retention Basin, six catch basins, and the Outfall at the Union Ship Canal. The samples were collected using a scoop on a telescoping wand and analyzed for percent solids, TAL metals, total cyanide, available cyanide, amenable cyanide, free cyanide, and SVOCs. Sampling locations are shown on Figure 1-8 and presented in Table 3-22. The sampling activities and analysis results will be discussed further in Section 2.6.2 and Section 3.6, respectively.

Section 2

Pre-Design Field Sampling Activities

Since 2012, CDM Smith has conducted six distinct pre-design sampling events and two surveys at the Site. The focus of the field activities was to further delineate and characterize soil and water conditions, and determine the limits of contamination for development of remedial design documents. This section provides a summary of field activities. Analytical laboratory reports are included in Appendix G and a photo log is presented in Appendix E.

CDM Smith subcontracted SJB Services Inc. (SJB) of Hamburg, New York for direct push sampling, temporary monitoring well installation services, and hollow stem augering services. Popli Design Group of Penfield, NY and McIntosh & McIntosh, P.C. of Lockport, NY were subcontracted for survey services. Spectrum Analytical in North Kingstown, Rhode Island, Alloway in Lima, Ohio, and TestAmerica of St Louis, MO and Amherst, NY were subcontracted for analytical services. Nancy Potak of Greensboro, VT, Data Validation Services of North Creek, NY, and Environmental Data Services of Williamsburg, VA were subcontracted for data validation services. Additionally, NYSDEC directly subcontracted TestAmerica in Amherst, NY for analytical services during the November/December 2014 investigation sampling.

2.1 Subsurface Soil Sampling Investigations

The subsurface soil investigations were comprised of five events: four Geoprobe® investigations, one test pit investigation, and one hollow stem auger investigation. The field activities associated with the subsurface investigations are described below and a copy of the field notes is provided in Appendix D. Analytical results from soil samples collected during these activities are discussed in Section 3.

2.1.1 Subsurface Soil Sampling

2.1.1.1 September 2012

On September 17 through 19, 2012, CDM Smith and a standby Geoprobe® subcontractor SJB Services were onsite performing a Geoprobe® investigation. A total of 25 soil borings locations were advanced across Lot 9 using direct push drilling methods. The borings were analyzed for visual observations of filter cake/flue ash depth and soil samples were collected for laboratory analysis. Figure 1-3 shows the Geoprobe® sample locations, labeled as SB-1 through SB-25. Analytical results are presented in Table 3-1.

Utilizing Geoprobe® macro-core samplers, samples were collected at varying depth between 4 and 19 feet, depending on location, both on- and off-site. The samples were used to both determine the depth of the filter cake/fly ash at each location, as well as to determine the lead concentration at varying depths. Samples were collected from within the filter cake/fly ash area as well as around the perimeter of Lot 9. Soil borings logs were completed for each sample location and can be found in Appendix B.

Material observed within nearly all of the soil borings was the dark fly ash/filter cake material, some fill material ranging from brick to a yellow crushed rock, and a harder slag layer at the bottom of most borings. Composite subsurface soil samples were collected at four foot intervals and analyzed for TAL Metals via United States Environmental Protection Agency (EPA) Method 6010 by Spectrum Analytical, Inc. laboratories. A total of 60 subsurface soil samples and 3 blind duplicate samples were collected and submitted for analysis.

No specific matrix spike/matrix spike duplicate (MS/MSD) samples were collected during this investigation. In analyzing the soil samples Spectrum Analytical, Inc. split the samples into 5 sets (also known as Sample Data Groups (SDGs)). Out of the 5 SDGs, Spectrum Analytical, Inc. ran 3 MS samples, meaning there were 2 SDGs for which no MS/MSD was analyzed.

Concurrent with the September 2012 Geoprobe® investigation, a test pit investigation was conducted by SJB under oversight from CDM Smith. A total of 18 test pits were completed across Lot 9 to varying depths using a rubber tire backhoe to determine the depth of filter cake/fly ash, fill material, and presence of buried concrete and construction/demolition debris (C&D). A test pit photograph log is provided in Appendix E and test pit logs are provided in Appendix B. Figure 1-3 shows the Test Pit locations, labeled as SB-1 through SB-25. The findings of the test pit investigation are discussed in Section 3.2.

Two TCLP samples were collected within the fenced area on Lot 9: one soil sample was collected during the test pit investigation at TP-14 (TCLP-1) and one subsurface sample was collected as part of the Geoprobe® investigation (SB-15 0-4 TCLP). The analytical results for these samples are included in Table 3-1.

2.1.1.2 July 2014

On July 7 and July 8, 2014 SJB Services utilized a Geoprobe® to advance 16 borings (SB-26 through SB-41) to a depth of 10 feet bgs in Parcel 4/Lots 4, 7, and 8. One boring was located in the area identified as the Blue Fill Area, five borings were located in the former Debris Disposal Area, and 10 borings were located over the remaining area of Parcel 4. Borings were classified by CDM Smith using the Unified Soil Classification System (USCS) and screened for VOCs using a photoionization detector (PID). Samples were collected at the location of the highest PID reading, or where visual staining or where soils of concern (fly ash, etc.) were observed. No PID readings above zero parts per million (ppm) were measured, therefore samples were collected at the depth where soils of concern were encountered or at 10 feet bgs. Figure 1-5 shows the Geoprobe® sample locations, labeled as SB-26 through SB-41. Analytical results are presented in Table 3-2.

Subsurface soil samples were submitted to Spectrum Analytical for analysis of hexavalent chromium using United States Environmental Protection Agency (EPA) Method 7196, total cyanide using EPA Method 9012, TAL metals using EPA Method 6010 and SVOCs using EPA Method 8270.

2.1.1.3 November 2014

After results from the July sampling were reviewed, it was determined that cyanide speciation sampling was required. Between November 10 and November 11, 2014 SJB utilized a Geoprobe® to advance an additional 10 borings (SB-42 through SB-51) within Parcel 4/Lot 9. Borings were classified by CDM Smith using the USCS and screened for VOCs using a PID.

Samples were collected from each four foot interval to a depth of 20 feet bgs with the exception of locations SB-44 and SB-45, which were only advanced to depths of 8 and 12 feet bgs, respectively before reaching refusal. Figure 1-8 shows the Geoprobe® sample locations, labeled as SB-1 through SB-25. Analytical results are presented in Table 3-3.

Subsurface soil samples collected in November were submitted to TestAmerica for analysis of total cyanide using EPA Method 9012, available cyanide using EPA Method OIA1677, free cyanide using EPA Method 9016, TAL metals using EPA Method 6010 and SVOCs using EPA Method 8270.

2.1.1.4 May 2015

The original boundary of Site #915193A was Parcel 4/Lot 9. Subsequent evaluation of the data collected during 2014 led to NYSDEC modifying the boundary of Site #915193A to include Parcel 4/Lots 4, 7, and 8. Consequently, additional delineation of contaminated soils was required in the vicinity of wells located in Lots 4, 7, 8 and 9, where groundwater contamination was previously seen. Additionally, characterization of soils north and west of Lots 4, 7, 8 and 9 was conducted. Between May 26 and May 29, 2015 SJB utilized a Geoprobe® to advance an additional 25 borings (SB-52 through SB-73, with three additional relocated borings) within the Site and in the Lots immediately west and north of the Site. Borings were classified by CDM Smith using the USCS and screened for VOCs using a photoionization detector PID.

Samples were collected from each four foot interval to a depth of 20 feet bgs with the exception of the following locations:

- SB-53/-53A (relocated boring) – advanced to only 8 feet bgs before reaching refusal;
- SB-54 – advanced to only 4 feet bgs before reaching refusal;
- SB-55 – advanced to only 12 feet bgs before reaching refusal;
- SB-56 – advanced to only 16 feet bgs before reaching refusal;
- SB-60 – advanced to only 4 feet bgs before reaching refusal;
- SB-61 – advanced to only 7 feet bgs before reaching refusal;
- SB-72 – advanced to only 12 feet bgs before reaching refusal, and;
- SB-73 – advanced to only 12 feet bgs before reaching refusal.

Figure 1-9 shows the Geoprobe® sample locations, labeled as SB-52 through SB-73. Analytical results are presented in Table 3-4. Subsurface soil samples collected in May 2015 were submitted to Spectrum Analytical for analysis of total cyanide using EPA Method 9012, TAL metals using EPA Method 6010 and SVOCs using EPA Method 8270.

2.1.1.5 August 2015

Given the similarity of the site histories and the anticipated similarity of the waste characteristics between the former Republic Steel site and the former Hanna Furnace site (now known as BLCP), it was concluded that TENORM sampling of the subsurface soils was necessary for the BLCP site. A hollow-stem auger was used to advance borings at 25 locations (SB-74 through SB-98) within Parcel 4/ Lots 4, 7, 8, and 9 to depths ranging from 3.6 to 16 feet bgs. Continuous split spoon samples were collected from which a composite sample was recovered for TENORM analysis. Figure 1-10 shows the hollow-stem sample locations and analytical results are presented in Table 3-5.

2.1.1.6 October 2015

In October 2015, SJB utilized a hollow stem auger to install three temporary monitoring wells on the undeveloped property located north of Parcel 4. During the well installation, continuous split spoon samples were collected. Soil samples were collected by CDM Smith from each four foot interval to a depth of 20 feet bgs at each boring location (SB-99 through SB-101). Subsurface soil samples were submitted to TestAmerica for analysis of TAL metals, total cyanide, free cyanide, and SVOCs. Sample locations are shown on Figure 1-11 and analytical results are presented in Table 3-6. The results are discussed in Section 3.

2.1.2 Surface Soil Investigation

Since 2012, CDM Smith has conducted five investigations of surface soil conditions at the Site. A brief description of the subsurface sampling events are described below, in chronological order.

2.1.2.1 September 2012

During the initial pre-design investigation, two surface soil samples were collected along the southern edge of Lot 9 and analyzed for TAL metals via EPA Method 6010 by Spectrum Analytical. The surface soil sample locations are shown on Figure 1-3. A review of all sampling results from the initial pre-design investigation indicated that TCLP metals concentrations were much lower than the results from previous investigations conducted at the site. Also there were a number of locations with elevated Total Chromium concentrations. Analytical results are presented in Table 3-7.

2.1.2.2 January 2013

Due to the elevated total chromium concentrations observed in the September 2012 surface soil samples, NYSDEC requested additional surface soil samples be collected and analyzed for TCLP metals and hexavalent chromium to further support the previous sample results. Eight additional surface soil samples were analyzed for TCLP metals via EPA Method 1311 and hexavalent chromium via EPA Method 7196. The eight additional locations are shown on Figure 1-4, and results are presented in Table 3-8 and discussed in Section 3.

2.1.2.3 July 2014

Between July 9 and July 14, 2014 CDM Smith collected surface soil samples from 51 locations (SS-1 through SS-51) in addition to quality assurance/quality control (QA/QC) samples using a 100 feet by 100 feet grids across the 15.5 acres of Parcel 4/Lots 4, 7, and 8. CDM Smith walked each grid to identify any areas of visual staining or material, which based on historical knowledge of disposal at Parcel 4, could potentially be contaminated. A surface soil sample was collected from one location within each grid using plastic disposable trowels. Each sample location was also screened using a PID. A new trowel was used for each sample. No PID readings above zero ppm were measured.

Surface soil samples were submitted to Spectrum Analytical for analysis of hexavalent chromium using EPA Method 7196, total cyanide using EPA Method 9012, TAL metals using EPA Method 6010 and SVOCs using EPA Method 8270. The 51 locations are shown on Figure 1-5, and results are presented in Table 3-9 and discussed in Section 3.

2.1.2.4 November 2014

On November 13, 2014 CDM Smith, after reviewing the initial surface soil data, collected additional surface soil samples from ten locations within Parcel 4/Lot 9 (SS-52 through SS-61). Samples were collected using a new plastic disposable trowel at each location. These samples were not screened with the PID prior to sample collection.

Surface soil samples collected in November were submitted to TestAmerica for analysis of total cyanide using EPA Method 9012, available cyanide using EPA Method OIA1677, free cyanide using EPA Method 9016, TAL metals using EPA Method 6010 and SVOCs using EPA Method 8270. The 10 additional locations are shown on Figure 1-8, and results are presented in Table 3-10 and discussed in Section 3.

2.1.2.5 October 2015

CDM Smith collected six surface soil samples from locations SS-72 through SS-77 as shown on Figure 1-11. Samples were submitted to TestAmerica for analysis of TAL metals and pH. Analytical results are presented in Table 3-11 and discussed in Section 3.2.2 Bench Scale Testing

During the field program, CDM Smith collected a 5-gallon pale of filter cake/fly ash from the area designated as hazardous inside the fenced area on Site. CDM Smith shipped the sample to our Bellevue Washington testing lab to perform pre-characterization testing (using ICP/MS and electron microprobe) to determine/confirm the forms and amount of lead.

Based on results of the follow-up surface soil sampling, the bench scale testing has been cancelled. Although lead is present within the soils at the Site, often at concentrations exceeding the Restricted Commercial SCO, results of the TCLP analysis indicate that all lead present is at non-hazardous levels.

2.3 Temporary Monitoring Well Installation and Development

Between July 7 and July 8, 2014 SJB installed 12 temporary monitoring wells (TP-01 through TP-12) onsite utilizing a 4-inch hollow stem auger. Three monitoring wells (TP-09, -10 and -11) were located within the fenced area of Lot 9 and nine wells were installed across the remaining portion of Parcel 4. All wells were constructed using one-inch diameter, polyvinyl chloride (PVC) riser with 10 foot PVC screen intervals. Wells were advanced to a depth of 15 feet bgs with the exception of TP-10 which was advanced to 18 feet bgs to extend below the groundwater table.

Well construction logs are included in Appendix C. The wells were developed by CDM Smith on July 9 and July 10, 2014 using a peristaltic pump. A total of three well volumes were purged from each temporary monitoring well.

2.4 Low-Flow Groundwater Sampling

2.4.1 July 2014

After installation and development of the 12 temporary monitoring wells, the wells were left to equilibrate for at least one day prior to being sampled by CDM Smith between July 10 and July 14, 2014.

Monitoring wells were sampled with a peristaltic pump and dedicated tubing using low-flow sampling techniques in accordance with CDM Smith's QAPP. An YSI field meter and a turbidity meter were used to record field parameters during purging. Once stabilization was achieved, the tubing was disconnected from the YSI flow through cell to collect the samples.

All groundwater samples were submitted to Spectrum Analytical for analysis of hexavalent chromium using EPA Method 7196, total cyanide using EPA Method 9012, TAL metals using EPA Method 6010 and SVOCs using EPA Method 8270. The 12 temporary monitoring wells are shown on Figure 1-5, and results are presented in Table 3-12 and discussed in Section 3.

2.4.2 August 2014

Two subsequent low-flow sampling rounds were performed between August 25 and August 27, 2014. Samples were analyzed for hexavalent chromium using EPA Method 7196, total cyanide using EPA Method 9012, TAL metals using EPA Method 6010 and SVOCs using EPA Method 8270. Samples were field filtered for metals analysis; cyanide samples were unfiltered. Samples were field filtered by attaching a dedicated filter to the end of the tubing at each location. The sampling locations are shown on Figure 1-6, and results are presented in Table 3-13 and discussed in Section 3.

2.4.3 September 2014

Sampling was conducted at select temporary well points (TP-06, -08, -10 and -11) on September 18, 2014. For the sampling conducted in September, both filtered and unfiltered samples were submitted to Spectrum Analytical for analysis of total cyanide, WAD cyanide, amenable cyanide, and PAC. Samples were field filtered by attaching a dedicated filter to the end of the tubing at each location. The sampling locations are shown on Figure 1-7, and results are presented in Table 3-14 and discussed in Section 3.

2.4.4 November and December 2014

A fourth round of groundwater samples were collected from all 12 temporary well points on November 17 and between December 8 and December 10, 2014. Both filtered and unfiltered samples were collected; field filtering was performed by attaching a dedicated filter to the end of the tubing at each location.

Groundwater samples collected in November and December 2014 were submitted to TestAmerica for analysis of total cyanide using EPA Method 9012, available cyanide using EPA Method OIA1677, TAL metals using EPA Method 6010 and SVOCs using EPA Method 8270. Samples were submitted to Alloway for analysis of free cyanide using ASTM D7237-10. The sampling locations are shown on Figure 1-8, and results are presented in Table 3-15 and discussed in Section 3.

2.4.5 October 2015

CDM Smith collected an additional round of groundwater samples between October 14 and October 22, 2015 from nine previously installed temporary wells (TP-02 through TP-06 and TP-08 through TP-11), the three temporary wells installed in October 2015 (TP-13, -14 and -15) and three existing permanent monitoring wells (MW-404, MW-405 and MW-UNK). Both filtered and unfiltered samples were collected and submitted to TestAmerica for TAL metals, total cyanide, and SVOCs and to Alloway for analysis of free cyanide. Sample locations are shown on Figure 1-11 and analytical results are presented in Table 3-16 and discussed in Section 3.

2.5 Surface Water Sampling

2.5.1 September 2014

Between September 17 and September 19, 2014, CDM Smith collected water samples from three locations in the Retention Basin located on the southern edge of Parcel 4 as well as four catch basins (CB-01 through CB-04) and the outfall to the Union Ship Canal. Samples were collected utilizing a peristaltic pump and dedicated tubing.

Both filtered and unfiltered samples collected in September were submitted to Spectrum Analytical for analysis of total cyanide, WAD cyanide, amenable cyanide, and PAC and TAL metals. The sampling locations are shown on Figure 1-7, and results are presented in Table 3-17 and discussed in Section 3.

2.5.2 November 2014

Between November 12 and November 17, 2014, CDM Smith collected a second round of surface water samples from the three locations in the Retention Basin, the outfall to the Union Ship Canal and 15 catch basins (CB-01 through CB-12 and CB-14 through CB-16), including the four sampled during the previous sampling round. Both filtered and unfiltered samples were collected at each location utilizing a peristaltic pump and dedicated tubing.

Surface water samples collected in November 2014 were submitted to TestAmerica for analysis of total cyanide using EPA Method 9012, available cyanide using EPA Method OIA1677, TAL metals using EPA Method 6010 and SVOCs using EPA Method 8270. Samples were submitted to Alloway for analysis of free cyanide using ASTM D7237-10. The sampling locations are shown on Figure 1-8, and results are presented in Table 3-18 and discussed in Section 3.

2.5.3 May 2015

Between May 26 and May 29, 2015, CDM Smith collected a third round of surface water samples from 13 sample locations, two swales within Lot 10 (CB-18 and CB-19) and 11 catch basins within and around Parcel 4 (CB-12 and CB-20 through CB-29), including CB-12 that was sampled in the previous round. Both filtered and unfiltered samples were collected at each location utilizing a peristaltic pump and dedicated tubing.

Surface water samples collected in May 2015 were submitted to Spectrum Analytical for analysis of total cyanide using EPA Method 9012, TAL metals using EPA Method 6010, and SVOCs using EPA Method 8270. Samples were submitted to Alloway for analysis of free cyanide using ASTM D7237-10. The sampling locations are shown on Figure 1-9, and results are presented in Table 3-19 and discussed in Section 3.

2.5.4 October 2015

CDM Smith collected an additional round of surface water samples between October 16 and 22, 2015 from the three Retention Basin locations and from 27 catch basins within and surrounding Parcel 4. Both filtered and unfiltered samples were collected at each locations using a peristaltic pump and dedicated tubing and submitted to TestAmerica for analysis of TAL metals and SVOCs. Sample locations are shown on Figure 1-11 and analytical results are presented in Table 3-20 and discussed in Section 3.

2.6 Sediment Sampling

2.6.1 September 2014

Sediment samples were collected by CDM Smith on September 18 and 19, 2014 from the three surface water locations in the Retention Basin, CB-01, CB-02, and the outfall. Samples were collected using an extendable pole with a sampling container attached to the end.

All sediment samples collected in September 2014 were submitted to Spectrum Analytical for analysis of total cyanide, WAD cyanide, amenable cyanide, and PAC and TAL metals. The sampling locations are shown on Figure 1-7, and results are presented in Table 3-21 and discussed in Section 3.

2.6.2 November and December 2014

A second round of sediment samples were collected by CDM Smith between November 11 and November 17 and on December 10, 2014. Samples were collected from the same three locations in the Retention Basin, the outfall to the Union Ship Canal, three catch basins (CB-04, -05, and -15), and from three swales in the parcel north of the Parcel 4 (CB-17,-18 and -19) using an extendable pole with a sampling container attached to the end.

Sediment samples collected in November and December 2014 were submitted to TestAmerica for analysis of total cyanide using EPA Method 9012, amenable cyanide using EPA Method OIA1677, free cyanide using EPA Method 9016, TAL metals using EPA Method 6010 and SVOCs using EPA Method 8270. The sampling locations are shown on Figure 1-8, and results are presented in Table 3-22 and discussed in Section 3.

2.7 Decontamination

All non-dedicated equipment and tools used to collect subsurface soil samples for chemical analysis were decontaminated prior to and between each sample interval using an Alconox and water mix for washing and potable water rinse prior to reuse. Decontamination fluids were collected and containerized in drums.

2.8 Investigation Derived Waste

All soil cuttings generated from subsurface soil borings were containerized in drums for off-site disposal. Groundwater purged during groundwater sampling was also containerized in drums. The drums were securely stored inside the fenced area of Lot 9 prior to offsite disposal.

Section 3

Pre-Design Field Sampling Results

The following sections present the results of the surface and subsurface soil investigations, surface and groundwater investigations, sediment investigations, test pits and bench scale testing conducted as part of the pre-design investigation at the Site. Soil sample results were compared to NYSDEC Restricted Commercial Use SCOs, sediment was compared to NYSDEC Screening and Assessment of Contaminated Sediment for Class A sediments, and groundwater results were compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA groundwater.

3.1 Subsurface and Surface Soil Sample Results

3.1.1 Subsurface Sample Results

The soils observed during the September 2012 Geoprobe® boring program consisted primarily of filter cake/fly ash throughout the center of Lot 9 to an elevation of between 576 and 578 feet above mean sea level (amsl) at most locations. C&D material was observed on the east and north sides from the property line to approximately 75-feet in. This fill material is underlain by a hard slag layer at an elevation of between 575 and 576 feet amsl. This layer was observed consistently across Lot 9. Fill material was observed in the top 2 to 3 feet on the west side of Lot 9 near Fuhrmann Boulevard. The soil boring logs are included in Appendix B and field notes are provided in Appendix D.

A total of 60 soil samples were collected from 25 locations during this phase of the pre-design investigation and analyzed for TAL metals. The results were compared to Part 375 Restricted Commercial Use SCOs. The soil exceedances are summarized in Table 3-1 and shown on Figure 3-1G. In addition, soil profiles have been prepared taking cross-sections at 5 locations through the Site. Figure 3-1A provides the plan view showing the locations of the cross-sections, and Figures 3-1B through 3-1F provides the cross-sections.

Metals exceedances were observed above the Restricted Commercial Use SCOs in 20 of the 25 sample locations.

- *Lead:* detected above the Restricted Commercial Use SCO of 1,000 mg/kg in 15 of the 60 samples collected ranging from 1,060 mg/kg in SB-18 (0-4 feet below ground surface (bgs)) to 9,620 mg/kg in SB-15 (0-4 feet bgs). SB-15 is located within the fenced limits of the highly contaminated area of Lot 9.

- *Arsenic:* detected above the Restricted Commercial Use SCO of 16 mg/kg in 26 out of 60 samples. Arsenic ranged from 16 mg/kg at SB-8 (0 to 4 feet bgs) to 126 mg/kg in SB-11 (4 to 8 feet bgs). SB-11 is located on the western side of the Site, at the northern end of the slope along Fuhrmann Boulevard.

- *Cadmium*: detected above the Restricted Commercial Use SCO of 9.3 mg/kg, with concentrations ranging from 9.4 mg/kg in sample SB-13 (8 to 12 feet bgs) to 31,500 mg/kg in SB-15 (0-4 feet bgs).

- *Nickel:* detected above the Restricted Commercial Use SCO of 310 mg/kg in 1 of 60 samples. The nickel exceedance was detected at SB-25 with a concentration of 336 mg/kg (4 to 8 feet bgs). SB-25 is located at the base of a mound in the northeast corner of Lot 9.

In July 2014, a total of 17 subsurface soil samples and two field duplicates were collected from 16 boring locations in Parcel 4/Lots 4, 7, and 8. A summary of all subsurface soil sampling results is presented in Table 3-2. Boring logs are included in Appendix B. Eight samples contained exceedances for metals and/or SVOC compounds. Hexavalent chromium was not detected in any samples; total cyanide was not detected above the SCO in any samples. Exceedances are shown on Figure 3-1H and all exceedances are summarized below:

- *Arsenic:* detected above the SCO of 16 mg/kg in SB-29 at 10 ft. bgs (21.9 mg/kg) and SB-09 at 4 feet bgs (66 mg/kg).

- *Copper:* detected above the SCO of 270 mg/kg in SB-31 at 10 ft. bgs (378 mg/kg) and SB-35 at 10 feet bgs (495 mg/kg).

- *Manganese:* detected above the SCO of 10,000 mg/kg in SB-34 at 4 feet bgs (19,800 mg/kg) and SB-39 at 10 feet bgs (13,600 mg/kg).

- *Benzo(a)pyrene:* detected above the SCO of 1.0 mg/kg in SB-29 at 10 feet bgs (2.1 mg/kg), SB-33 at 4 feet bgs (1 mg/kg), SB-34 at 4 feet bgs (1.1 mg/kg), SB-36 at 10 feet bgs (12 mg/kg), SB-38 at 8 feet bgs (1.5 mg/kg), SB-39 at 10 feet bgs (1.1 mg/kg) and SB-40 at 8 feet bgs (4.2 mg/kg).

- *Dibenzo(a,h)anthracene:* detected above the SCO of 0.56 mg/kg in SB-36 at 10 feet bgs (2.0 mg/kg) and SB-40 at 8 feet bgs (0.89 mg/kg).

Additionally, the sample collected at location SB-36 at a depth of 10 feet bgs (SB-11-10-070814) contained SVOC detections above the SCO of 5.6 mg/kg for benzo(a)anthracene (17 mg/kg), benzo(b)fluoranthene (15 mg/kg) and indeno(1,2,3-cd)pyrene (6.4 mg/kg).

In November 2014, a total of 46 subsurface soil samples were collected from 10 locations within Parcel 4/Lot 9. A summary of the subsurface sampling results are presented in Table 3-3. Boring logs are included in Appendix B. Exceedances are shown on Figure 3-1I and summarized below:

- *Total Cyanide:* detected above the SCO of 27 mg/kg in SB-44 between 0 and 8 feet bgs (35.3 to 38.8 mg/kg), SB-45 between 0 and 8 feet bgs (27.2 to 72.2 mg/kg), SB-49 from 4 to 8 feet bgs (34.4 mg/kg), SB-50 between 4 and 12 feet bgs (29.9 to 48 mg/kg) and SB-51 between 0 and 12 feet bgs (56.2 to 75.3 mg/kg).

- *Arsenic:* detected above the SCO of 16 mg/kg in SB-42 at 16 to 20 feet bgs (92 mg/kg), SB-43 at 16 to 20 feet bgs (51.9 mg/kg), SB-44 at 0 to 4 feet bgs (17.6 mg/kg), SB-45 between 0 and 12 feet bgs (25.1 to 68.6 mg/kg), SB-46 at 12 to 16 feet bgs (54.5 mg/kg), SB-47 between 8 and 20 feet bgs (24.5 to 57.2 mg/kg), SB-48 between 4 and 16 feet bgs (33.9 to 67 mg/kg), SB-49 between 0 to 20 feet bgs (16.3 to 109 mg/kg), SB-50 between 4 and 16 feet bgs (16.1 to 64.4 mg/kg) and SB-51 between 0 and 16 feet bgs (20.8 to 72.6 mg/kg).

- *Copper:* detected above the SCO of 270 mg/kg in SB-49 at 0 to 4 feet bgs (290 mg/kg) and SB-50 between 4 and 8 feet bgs (283 mg/kg).

- *Cadmium:* detected above the SCO of 9.3 mg/kg in SB-45 between 8 and 12 feet bgs (11.1 mg/kg), SB-49 between 0 and 20 feet bgs (12.9 to 36.9 mg/kg), SB-50 at 4 to 8 feet bgs (41.3 mg/kg) and SB-51 between 0 and 8 feet bgs (10.6 to 21.9 mg/kg).

- *Lead:* detected above the SCO of 1,000 mg/kg in SB-44 at 0 to 4 feet bgs (5,110 mg/kg), SB-45 between 0 and 8 feet bgs (2,180 to 3,220 mg/kg), SB-47 at 0 to 4 feet bgs (1,010 mg/kg), SB-49 between 0 and 12 feet bgs (1,790 to 5,810 mg/kg), SB-50 at 4 to 8 feet bgs (9,450 mg/kg), and SB-51 between 0 and 8 feet bgs (3,320 to 4,450 mg/kg).

- *Manganese:* detected above the SCO of 10,000 mg/kg in SB-42 at 0 to 4 feet bgs (10,300 mg/kg) and SB-45 from 4 to 8 feet bgs (10,400 mg/kg).

- *Zinc:* detected above the SCO of 10,000 mg/kg in SB-50 from 4 to 8 feet bgs (11,200B mg/kg).

- *Benzo(a)anthracene:* detected above the SCO of 5.6 mg/kg in SB-46 between 0 and 8 feet bgs (9.6 to 21 mg/kg), SB-47 at 0 to 4 feet bgs (6.9 mg/kg), SB-49 from 4 to 8 feet bgs (7.3 mg/kg) and SB-50 from 4 to 8 feet bgs (6.9J mg/kg).

- *Benzo(a)pyrene:* detected above the SCO of 1 mg/kg in SB-43 at 8 to 12 feet bgs (1.2J mg/kg), SB-44 between 0 to 8 feet bgs (1.1J to 1.2J mg/kg), SB-45 between 0 and 8 feet bgs (2.9J to 4J mg/kg), SB-46 between 0 and 16 feet bgs (2.4J to 20 mg/kg), SB-47 between 0 and 12 feet bgs (1.5J to 6.4 mg/kg), SB-48 from 4 to 8 feet bgs (1.4J mg/kg), SB-49 at 0 to 4 feet bgs (2.3J mg/kg), SB-50 at 0 to 4 feet bgs (1.9J mg/kg), and SB-51 at 8 to 12 feet bgs (1.6J mg/kg).

- *Benzo(b)fluoranthene:* detected above the SCO of 5.6 mg/kg in SB-46 between 0 and 8 feet bgs (16 to 27 mg/kg) and SB-47 from 0 to 4 feet bgs (7.8 mg/kg).

- *Dibenzo(a,h)anthracene*: detected above the SCO of 0.56 mg/kg in SB-47 at 0 to 4 feet bgs (2 mg/kg).

- *Indeno(1,2,3-cd)pyrene:* detected above the SCO of 5.6 mg/kg in SB-46 between 0 and 8 feet bgs (13 to 16 mg/kg).

The fourth round of sampling was done in May 2015, which consisted of 109 samples from 25 locations in Parcel 4/Lots 4, 7, 8, and 9. A summary of the subsurface sampling results are presented in Table 3-4. Boring logs are included in Appendix B. All exceedances are shown in Figure 3-1J and summarized below:

- *Arsenic:* detected above the SCO of 16 mg/kg in SB-57 at 8 to 12 feet bgs (18.3 mg/kg), SB-57 at 16 to 20 feet bgs (21.8 mg/kg), SB-58 at 8 to 12 feet bgs (28.2 mg/kg), SB-59A at 8 to 12 feet bgs (34 mg/kg), SB-61 at 4 to 7 feet bgs (63.8 mg/kg), SB-61A at 0 to 4 feet bgs (21.4 mg/kg), SB-61A between 8 and 16 feet bgs (40.7 to 71.7 mg/kg), SB-62 at 8 to 12 feet bgs (22.1 mg/kg), SB-62 at 16 to 20 feet bgs (20 mg/kg), SB-63 at 8 to 12 feet bgs (43.7 mg/kg), SB-64A at 0 to 4 feet bgs (22.8 mg/kg), SB-65 at 0 to 4 feet bgs (17.2 mg/kg), SB-67 between 0 and 8 feet bgs (20.8 to 22.9 mg/kg), SB-70 at 4 to 8 feet bgs (16.3 mg/kg), SB-71 between 4 and 12 feet bgs (27.1 to 43.7 mg/kg), and SB-73 at 4 to 8 feet bgs (35.7 mg/kg).
- *Barium:* detected above the SCO of 400 mg/kg in SB-53A at 4 to 8 feet bgs (409 mg/kg).
- *Cadmium:* detected above the SCO of 9.3 mg/kg in SB-53A at 4 to 8 feet bgs (15.1 mg/kg), SB-54 at 0 to 4 feet bgs (11.1 mg/kg), SB-61A at 8 to 12 feet bgs (10.9 mg/kg), SB-67 at 0 to 4 feet bgs (10 mg/kg), and SB-71 at 8 to 12 feet bgs (10 mg/kg).
- *Copper:* detected above the SCO of 270 mg/kg in SB-61A at 8 to 12 feet bgs (549 mg/kg), SB-68 between 4 and 12 feet bgs (461 to 480 mg/kg), and SB-69 at 0 to 4 feet bgs (288 mg/kg).
- *Mercury:* detected above the SCO of 2.8 mg/kg in SB-64A at 0 to 4 feet bgs (17.7 mg/kg).
- *Zinc:* detected above the SCO of 10,000 mg/kg in SB-64A at 4 to 8 feet bgs (18,400 mg/kg).
- *Total Cyanide:* detected above the SCO of 27 mg/kg in SB-64A between 0 and 8 feet bgs (28.6 to 555 mg/kg) and SB-66 at 4 to 8 feet bgs (28.4 mg/kg).
- *Acenapthene:* detected above the SCO of 500 mg/kg in SB-69 at 4 to 8 feet bgs (3000 mg/kg), and SB-72 at 4 to 8 feet bgs (1000 mg/kg).
- *Benzo(a)pyrene:* detected above the SCO of 1 mg/kg in SB-57 at 0 to 4 feet bgs (1.7 mg/kg), SB-61 at 4 to 7 feet bgs (2.9 mg/kg), SB-61A at 0 to 4 feet bgs (1.4 mg/kg), SB-62 between 0 and 8 feet bgs (1.6 to 3.7 mg/kg), SB-63 at 8 to 12 feet bgs (1.2 mg/kg), SB-65 at 0-4 feet bgs (1.5 mg/kg), SB-66 at 0 to 4 feet bgs (1.7 mg/kg), SB-68 between 4 and 12 feet bgs (1 to 1.2 mg/kg), SB-69 at 8 to 12 feet bgs (1.7 mg/kg), SB-70 at 4 to 8 feet bgs (2mg/kg), SB-71 between 0 and 8 feet bgs (1.3 to 2.1 mg/kg), SB-72 at 0 to 4 feet bgs (1.1 mg/kg), SB-72 at 8 to 12 feet bgs (5.2 mg/kg).
- *Dibenzo(a,h)anthracene:* detected above the SCO of 0.56 mg/kg in SB-61 at 4-5 feet bgs (0.63 mg/kg), SB-72 at 8 to 12 feet bgs (1.1 mg/kg)

The fifth round of sampling was conducted in August 2015, which consisted of 25 samples from 25 locations in Parcel 4/Lots 4, 7, 8, and 9. Samples were analyzed for radiochemistry analyses to determine whether TENORM was present at levels that would require soils to be segregated and disposed of at an alternate facility. A summary of the subsurface sampling results are presented in Table 3-5. Boring logs are included in Appendix B. The contaminant concentrations observed during the subsurface soil sampling events indicate relatively low levels of radioactive material are present. Restrictions that apply to accepting TENORM waste vary by disposal facility. Generally, wastes containing less than 3 pCi/g of radium or 3- pCi/g of uranium can be disposed of in an industrial landfill (http://cfpub.epa.gov/safewater/radionuclides/radionuclides). All sample results yielded total radium and uranium concentrations below this criteria, however it will be necessary to confirm with the solid waste facility that will be receiving the excavated soils that the TENORM levels observed are within their acceptable limits.

In October 2015, CDM Smith collected a total of 16 subsurface soil samples at three boring locations where temporary monitoring wells were being installed. Samples were collected from each four foot interval to a depth of 20 feet bgs at all three locations. Analytical results are provided in Table 3-6 and exceedances are shown on Figure 3-1K and summarized below:

- *Arsenic:* detected above the SCO of 16 mg/kg in SB-101 at 0 to 4 feet bgs (18.9 mg/kg).
- *Barium:* detected above the SCO of 400 mg/kg in SB-100 at 12 to 16 feet bgs (412 mg/kg).
    - *Copper:* detected above the SCO of 270 mg/kg in SB-76 at 0 to 4 feet bgs (546 mg/kg).
    - *Benzo(a)pyrene:* detected above the SCO of 1 mg/kg in SB-100 at 0 to 4 feet bgs (1.1 mg/kg) and SB-76 at 0 to 4 feet bgs (2.7 mg/kg).

3.1.2 Surface Soil Sample Results

Two surface soil samples were collected just within the southern property boundary during the initial pre-design investigation in September 2012 and the results are shown in Table 3-7 and on Figure 3-2A. Similar to the observations of the soil boring program, a dark fly ash material was observed in the surface soil samples overlaying a 2 to 3 foot layer of 3-inch minus stone. This layer is described further in Section 3.2 below.

Also similar to the results of the soil boring samples, the surface soil analytical results from the initial pre-design investigation showed exceedances of the Restricted Commercial Use SCOs for lead. Lead concentrations exceeded the SCO of 1,000 ppm, with concentrations ranging from 1,600 to 1,700 mg/kg. All other SCOs were met.

Eight surface soil samples were collected in January 2013 and analyzed for TCLP metals and hexavalent chromium only. Those sample results are discussed in Section 3.1.3.

A total of 51 surface soil samples and six field duplicate samples were collected in July 2014 from Parcel 4/Lot 4, 7 and 8. Fifteen of the 51 sample locations contained exceedances for at least one metal compound. Hexavalent chromium was not detected in any of the surface soil samples. Total cyanide was detected in several samples, however all detections were below the SCO of 27 mg/kg. Exceedances for at least one SVOC compound were found at 42 of the 51 sample locations. All surface soil sampling results from the July 2014 are presented in Table 3-9. Exceedances for metals are shown on Figure 3-2B, SVOC exceedances are shown on Figure 3-2C, and all exceedances are summarized below:

- *Arsenic:* detected above the SCO of 14 mg/kg at locations SS-18 (17.8 mg/kg), SS-20 (20.6 mg/kg), the field duplicate collected at SS-20 (1 6.6 mg/kg), SS-35 (17.2 mg/kg), SS-38 (22.9 mg/kg), and SS-42 (19 mg/kg).
- *Barium:* detected above the SCO of 400 mg/kg at locations SS-20 (559 mg/kg) and the field duplicate collected at SS-20 (513 mg/kg).
- *Cadmium:* detected above the SCO of 9.3 mg/kg at locations SS-13 (10.8 mg/kg), SS-14 (11.6 mg/kg), SS-15 (9.9 mg/kg), SS-16 (11 mg/kg) and SS-18 (14.9 mg/kg).
- *Copper:* detected above the SCO of 270 mg/kg at locations SS-14 (376 mg/kg), SS-23 (274 mg/kg), SS-28 (352 mg/kg), SS-31 (394 mg/kg), SS-32 (415 mg/kg), SS-33 (378 mg/kg) and SS-59 (338 mg/kg).
- *Lead:* detected above the SCO of 1,000 mg/kg at location SS-18 (1,330 mg/kg).
- *Benzo(a)anthracene:* detected above the SCO of 5.6 mg/kg at locations SS-11 (17 mg/kg), SS-20 (8.9 mg/kg), and the field duplicate collected at SS-20 (10 mg/kg).
- *Benzo(b)fluoranthene:* detected above the SCO of 5.6 mg/kg at locations SS-11 (16 mg/kg), SS-20 (10 mg/kg) and the field duplicate collected at SS-20 (13 mg/kg).
- *Dibenzo(a,h)anthracene:* detected above the SCO of 0.56 mg/kg at locations SS-11 (1.9 mg/kg), SS-19 (0.67 mg/kg), SS-20 (1.5 mg/kg), the field duplicate collected at SS-20 (2.2 mg/kg), SS-22 (0.59 mg/kg), SS-26 (0.6 mg/kg), SS-36 (0.73 mg/kg), SS-43 (0.57 mg/kg), SS-44 (0.79 mg/kg) and SS-48 (0.71 mg/kg).
- *Indeno(1,2,3-cd)pyrene:* detected above the SCO of 5.6 mg/kg at locations SS-11 (9.1 mg/kg), SS-20 (6.2 mg/kg) and the field duplicate collected at SS-20 (7.3 mg/kg).

In addition to the exceedances noted above, benzo(a)pyrene was detected above the SCO of 1.0 mg/kg at 42 of the 51 surface soil locations at concentrations ranging from 1.0 mg/kg to 13 mg/kg.

In November 2014, surface soil samples were collected from 10 locations within Parcel 4/Lot 9 only. All surface soil results from the November sampling event are provided in Table 3-10. Exceedances are shown on Figure 3-2D and summarized below:

- *Total Cyanide:* detected above the SCO of 27 mg/kg at SS-65 (35.6 mg/kg).
- *Arsenic:* detected above the SCO of 16 mg/kg at SS-64 (20.6 mg/kg).

- *Cadmium:* detected above the SCO of 9.3 mg/kg at SS-64 (16.2 mg/kg), SS-65 (9.3 mg/kg).
- *Copper:* detected above the SCO of 270 mg/kg at SS-64 (360 mg/kg).
- *Lead:* detected above the SCO of 1,000 mg/kg at SS-63 (1,160 mg/kg), SS-64 (5,570 mg/kg), SS-65 (2,400 mg/kg) and SS-68 (1,970 mg/kg).
- *Benzo(a)pyrene:* detected above the SCO of 1 mg/kg at SS-66 (3.8 mg/kg), SS-67 (4.8 mg/kg), SS-68 (1.3 mg/kg), SS-69 (1 mg/kg), SS-70 (2.3 mg/kg) and SS-71 (1 mg/kg).
- *Benzo(b)fluoranthene;* detected above the SCO of 5.2 mg/kg at SS-67 (6.9 mg/kg).

The contaminant concentrations observed during the surface soil sampling events indicate that the soils excavated during remediation will need to be disposed at a New York State-permitted solid waste facility.

In October 2015, six surface soil samples were collected from four locations north of Parcel 4 and two locations near the center of Parcel 4. Analytical results are presented in Table 3-11 and exceedances are shown on Figure 3-2E and summarized below:

- *Arsenic:* detected above the SCO of 16 mg/kg at SS-72 (16.2 mg/kg) and SS-86 (18.8 mg/kg).
- *Copper:* detected above the SCO of 270 mg/kg at SS-76 (337 mg/kg).
- *Lead:* detected above the SCO of 1,000 mg/kg at SS-76 (1,130 mg/kg).

3.1.3 TCLP Analysis

Two TCLP samples were collected at the Site during the initial pre-design investigation; both were collected from soil within the fenced area of highly contaminated soil. Both samples were collected in 0 to 4 feet bgs and analyzed for TCLP metals, and due to their proximity to each other the results were very similar. Both samples indicated the presence of barium, cadmium, chromium, lead, selenium, and mercury at non-hazardous levels. Results are provided in Table 3-1.

Eight additional TCLP surface soil samples were collected as part of the follow-up sampling conducted in January 2013 and analyzed for TCLP metals and Hexavalent Chromium. All eight samples were collected from the top 6 inches of soil and indicated the presence of barium, cadmium, and lead at non-hazardous levels. Seven of the eight samples also indicated the presence of mercury at non-hazardous levels, and four samples displayed total chromium concentrations at non-hazardous levels. One sample resulted in a non-hazardous concentration of silver. Hexavalent chromium was not detected in any of the surface soil samples collected. This indicates that the elevated total chromium results observed in the subsurface and surface soil samples collected during the initial sampling was not due to elevated levels of hexavalent chromium and therefore these soils can be considered as non-hazardous.

TCLP and hexavalent chromium sampling results are presented in Table 3-8.

3.2 Test Pit Findings

Concurrent with the September 2012 Geoprobe® investigation, a test pit investigation was conducted by SJB under oversight from CDM Smith. A total of 18 test pits were completed across Lot 9 to varying depths using a rubber tire backhoe to determine the depth of filter cake/fly ash, fill material, and presence of any buried concrete and construction debris (C&D). Filter cake/fly ash was observed in all test pits in the interior of the site at varying depths, thicknesses, and hardness. The test pit photo log is photo log is provided in Appendix E and test pit logs are provided in Appendix B. Observations made during the test pit investigation are as follows:

- On the south property line (TP-13), a 2 to 3 foot layer of 3-inch minus stone was observed from the property line to the filter cake/fly ash material approximately 75 feet north to the property line. This area was also covered by the black fly ash/filter cake ranging from a coating near the property line to about 6 inches thick at the northern end of TP-13, near the waste pile.

- C&D debris was encountered along the east and northern edges of Lot 9 from the property line to approximately 75 feet in towards the center of the Lot 9. The C&D material consisted of brick, wood, concrete with rebar, pipe material, fiberglass material and metal. This layer was approximately 3 to 4 feet in thickness before reaching the hard slag area in most locations. A large pile of C&D material is situated at the northeast corner of Lot 9 near TP-12. Soil boring samples from within this layer indicated that this material would be considered hazardous based on the lead concentrations. The large C&D pile would need to be sampled to determine if it could be segregated and disposed of as C&D waste.

- The fill material that was placed over the filter cake/fly ash material on the western side of the Site where the elevation is the highest on-site, varies in thickness from around 2 to 3 feet before hitting the filter cake/fly ash. There was some concrete encountered in these test pits but it appears that the majority of the large concrete is on the surface. The samples collected from within the 0 to 4 foot depth indicated lead concentrations that would deem this material as hazardous. Therefore, this material would not be segregated and disposed of as non-hazardous.

- A petroleum odor was observed while conducting test pits TP-4 and TP-5 at depths of 3 to 5 feet below grade. This odor was also observed in the soil borings conducted in this area.

- One TCLP sample (TCLP-1) was collected during the test pit investigation at TP-14 and one from soil boring SB-15. Both samples indicated the presence of non-hazardous levels of barium, cadmium, chromium, lead, selenium, and mercury. This is also the area where CDM Smith collected a sample for treatability testing.

3.3 Bench Scale Test Results

CDM Smith has cancelled the bench scale treatability tests, due to results from the follow-up soil sampling indicating that the metals concentrations present are considered non-hazardous.

3.4 Summary of Low-Flow Groundwater Sampling Results

A total of eleven groundwater samples were collected in addition to two field duplicate samples from the temporary monitoring well points in the initial July 2014 sampling event. Temporary monitoring well TP-04 was inadvertently not sampled. Groundwater sampling results from the July 2014 sampling round are presented in Table 3-12. All groundwater samples contained exceedances for certain metal compounds. Hexavalent chromium was not detected above the groundwater standard in any samples. Total cyanide was detected above groundwater standards in four of the eleven monitoring wells sampled; TP-06 located in the southeast corner of Lot 4, TP-08 located in the vicinity of the former Blue Fill Area, and TP-10 and TP-11 both located on Lot 9. SVOC exceedances were found in three samples only; TP-09, TP-10, and TP-11 located on Lot 9, and TP-06 located in the southeast corner of Lot 4. Exceedances for arsenic, cyanide, lead, copper and phenols from the July 2014 sampling round are plotted on Figure 3-3A. Figure 3-3A also displays the groundwater sampling results obtained by Malcolm Pirnie in 2006 for comparison. Significant exceedances from the July 2014 sampling round are summarized below:

- *Total Cyanide:* detected above the standard of 200 µg/L in TP-06 (1,840 µg/L), TP-08 (4,010 µg/L), the field duplicate collected from TP-08 (3,510 µg/L), TP-10 (10,900 µg/L) and TP-11 (252 µg/L).
- *Lead:* detected above the standard of 25 µg/L in TP-06 (107 µg/L), TP-08 (61,000 µg/L), the field duplicate collected from TP-08 (61,600 µg/L), TP-09 (38.4 µg/L) and the field duplicate collected from TP-09 (34 µg/L).
- *Arsenic:* detected above the standard of 25 µg/L in TP-10 (85 µg/L).
- *Antimony:* detected above the standard of 3 µg/L in TP-08 (117,000 µg/L) and in the field duplicate collected from TP-08 (116,000 µg/L).
- *Beryllium:* detected above the standard of 3 µg/L in the field duplicate collected at TP-08 (22 µg/L).
- *Total Chromium:* detected above the standard of 50 µg/L in TP-08 (2,700 µg/L).
- *Cadmium:* detected above the standard of 5 µg/L in the field duplicate collected at TP-08 (262 µg/L).
- *Copper:* detected above the standard of 200 µg/L in TP-08 (318,000 µg/L).
- *Thallium:* detected above the standard of 0.5 µg/L in TP-06 (17.7 µg/L), TP-09 (12.9 µg/L), the field duplicate collected from TP-09 (17 µg/L), TP-10 (15.7 µg/L), TP-11 (22.2 µg/L) and TP-12 (17.5 µg/L).
- *Phenol:* detected above the standard of 1.0 µg/L in TP-06 (22 µg/L), TP-09 (5.6 µg/L), the field duplicate collected at TP-09 (5.3 µg/L), TP-10 (33 µg/L) and TP-11 (9.6 µg/L).
- *Pentachlorophenol:* detected above the standard of 1.0 µg/L in TP-10 (7.6 µg/L).

Based on these results, a second round of groundwater samples were collected between August 25 and August 27, 2014. A total of 12 samples and one field duplicate were collected via low flow methodology from each of the temporary monitoring wells. Samples were field filtered for TAL metals analysis; cyanide was unfiltered. Sample results from the August event are presented in Table 3-13. All samples contained exceedances for some metals with the exception of TP-05 and TP-06. Similar to the first round, hexavalent chromium was not detected above the groundwater standard in any samples. Total cyanide was detected above groundwater standards in three of the twelve monitoring wells sampled; TP-08, TP-10 and TP-11. The total cyanide exceedances in TP-08, TP-10, and TP-11 were similar level of magnitude as observed in July 2014. Exceedances for arsenic, cyanide, lead, copper, and phenols from the August 2014 sampling round are shown on Figure 3-3B and significant exceedances are summarized below:

- *Total Cyanide:* detected above the standard of 200 µg/L in TP-08 (2,720 µg/L), the field duplicate from TP-08 (3,230 µg/L), TP-10 (17,100 µg/L) and TP-11 (259 µg/L).
- *Arsenic:* detected above the standard of 25 µg/L in TP-09 (80.8 µg/L) and TP-10 (94.3 µg/L).
- *Manganese:* detected above the standard of 300 µg/L in TP-02 (1,310 µg/L) and TP-04 (449 µg/L).
- *Selenium:* detected above the standard of 10 µg/L in TP-10 (22.7 µg/L).
- *Thallium*: detected above the standard of 0.5 µg/L in TP-11 (7.7 µg/L).
- *Pentachlorophenol:* detected above the standard of 1.0 µg/L in TP-08 (8.4 µg/L), the field duplicate from TP-08 (5.8 µg/L), and TP-10 (9.5 µg/L).
- *Phenol:* detected above the standard of 1 µg/L in TP-03 (1.5 µg/L) and TP-09 (13 µg/L).

A third round of groundwater samples was collected on September 18, 2014 from wells that displayed elevated concentrations of total cyanide: TP-06, -08, -10 and -11. Filtered and unfiltered samples were analyzed for total cyanide, WAD cyanide, menable cyanide, and PAC. Sampling results are presented in Table 3-14 and on Figure 3-3C. Total cyanide was detected above the standard of 200 µg/L in all samples:

- *Total Cyanide:* detected above the standard of 200 µg/L in TP-06 Unfiltered (2,400 µg/L), TP-06 Filtered (2,350 µg/L), TP-08 Unfiltered (7,530 µg/L), TP-08 Filtered (7,310 µg/L), TP-10 Unfiltered (17,600 µg/L), TP-10 Filtered (13,900 µg/L), TP-11 Unfiltered (828 µg/L), and TP-11 Filtered (720 µg/L).

General observations from the cyanide speciation in the September 2014 round follow:

- In TP-06, total cyanide concentrations were significantly higher, by an order of magnitude for the other cyanide species, indicating that the major component of cyanide in this well is the heavier, more stable form.
- A similar observation was made for TP-08, total cyanide concentrations were nearly double as compared to the next closest cyanide species concentrations (amenable cyanide). This

indicates again that the major component of cyanide in TP-08 is the heavier, more stable form.

- Similar to TP-08, total cyanide concentrations in TP-10 were nearly double as compared to the next closest cyanide species concentrations (amenable cyanide). This indicates again that the major component of cyanide in TP-10 is the heavier, more stable form.
- In TP-11, total cyanide concentrations were significantly higher, by nearly double the other cyanide species, indicating that the major component of cyanide in this well is the heavier, more stable form.

A fourth round of groundwater samples were collected from each of the 12 temporary well points between November and December 2014. Both filtered and unfiltered samples were collected for total cyanide, amenable cyanide, free cyanide, metals, and PAHs. Total cyanide was detected above the standard of 200 µg/L in 5 of the 12 temporary wells. Additionally, exceedances for at least one or more metal compound were found in all locations. Sampling results from the November and December 2014 round are shown on Table 3-15. Exceedances are included on Figure 3-3D and significant exceedances are summarized below:

- *Total Cyanide:* detected above the standard of 200 µg/L in TP-02 (240 µg/L unfiltered), TP-06 (630 µg/L unfiltered, 590 µg/L filtered), TP-07 (350 µg/L unfiltered, 330 µg/L filtered), TP-08 (8,000 µg/L unfiltered, 6900 µg/L filtered), and TP-10 (7,300 µg/L unfiltered, 8,400 µg/L filtered).
- *Free Cyanide:* detected above the fish propagation standard for fresh waters of 5.2 µg/L in TP-08 (9 µg/L unfiltered and 212 µg/L filtered), and TP-10 (8 µg/L unfiltered and 13 µg/L filtered).
- *Arsenic:* detected above the standard of 25 µg/L in TP-02 (47 µg/L unfiltered), TP-09 (96 µg/L unfiltered, 200 µg/L filtered), TP-10 (110 µg/L unfiltered, 100 µg/L filtered), and TP-11 (33 µg/L unfiltered).
- *Lead:* detected above the standard of 25 µg/L in TP-01 (28 µg/L unfiltered), TP-02 (740 µg/L unfiltered), and TP-10 (25 µg/L unfiltered).
- *Benzo(b)fluoranthene:* detected above the standard of 0.002 µg/L in TP-02 (1 µg/L unfiltered), and TP-05 (0.48 µg/L unfiltered).
- *Pentachlorophenol:* detected above the standard of 1 µg/L in TP-08 (8.7 µg/L unfiltered, 9.5 µg/L filtered).
- *Phenol:* detected above the standard of 1 µg/L in TP-03 (7.7 µg/L unfiltered, 8.6 µg/L filtered), TP-06 (6.5 µg/L unfiltered, 8.1 µg/L filtered), TP-09 (55 µg/L unfiltered, 57 µg/L filtered), TP-10 (100 µg/L unfiltered and filtered) and TP-11 (13 µg/L unfiltered).
- *pH:* detected at or above the standard of 12 SU in TP-09 (12 SU), and TP-10 (12.09 SU).

General observations from the cyanide speciation in the November and December 2014 round follow:

- Overall, total cyanide concentrations were significantly higher as compared to the other cyanide species, indicating that the major component of cyanide in the groundwater is the heavier, more stable form.

- Free cyanide was detected in both the unfiltered and filtered samples collected from TP-08 and TP-10. TP-08 is located near the former Blue Fill Area and TP-10 is located within Lot 9.

In October 2015, a fifth round of groundwater samples were collected from nine temporary wells previously sampled. Additionally, three new temporary wells installed on the property north of Parcel 4 in October 2015 and three existing permanent wells located on Parcel 4 were sampled. All analytical results are provided in Table 3-16 and exceedances are shown on Figure 3-3E. Significant exceedances are summarized below:

- *Total Cyanide:* detected above the standard of 200 µg/L in TP-06 (420 µg/L unfiltered, 480 µg/L filtered), TP-08 (380 µg/L unfiltered, 570 µg/L filtered), TP-10 (5,500 µg/L unfiltered, 5,400 µg/L filtered) and MW-UNK (270 µg/L unfiltered, 270 µg/L filtered).

- *Free Cyanide:* detected above the fish propagation standard for fresh waters of 5.2 µg/L in TP-03 (10 µg/L filtered), TP-06 (72 µg/L unfiltered and 21 µg/L filtered), TP-08 (30 µg/L unfiltered and 23 µg/L filtered), TP-10 (8 µg/L unfiltered and 6µg/L filtered), MW-404 (6 µg/L unfiltered) and MW-UNK (85 µg/L unfiltered and 78 µg/L filtered).

- *Arsenic:* detected above the standard of 25 µg/L in TP-09 (35 µg/L unfiltered, 29 µg/L filtered), TP-10 (52 µg/L unfiltered, 70 µg/L filtered), TP-13 (27 µg/L unfiltered) and MW-405 (25 µg/L unfiltered).

- *Benzo(b)fluoranthene:* detected above the standard of 0.002 µg/L in TP-02 (0.34J µg/L unfiltered).

- *Pentachlorophenol:* detected above the standard of 1.0 µg/L in TP-08 (6.2J µg/L unfiltered), TP-09 (2.5J µg/L unfiltered), TP-10 (11J µg/L unfiltered, 12J µg/L filtered), and TP-15 (2.8J µg/L unfiltered).

- *Phenol:* detected above the standard of 1.0 µg/L in TP-06 (14 µg/L filtered), TP-09 (23J µg/L unfiltered, 26 µg/L filtered), TP-10 (28 µg/L unfiltered, 31 µg/L filtered), TP-11 (19 µg/L unfiltered, 27 µg/L filtered), MW-405 (58 µg/L unfiltered, 57 µg/L filtered), and MW-UNK (1.1J µg/L filtered).

- *pH:* detected at or above the standard of 12 SU in TP-10 (12.59 SU), TP-15 (12.13 SU), MW-405 (12.02 SU).

3.5 Summary of Surface Water Sampling

In September 2014, CDM Smith collected filtered and unfiltered samples from three locations within the Retention Basin (Basin-1, -2 and -3), four catch basins (CB-01 through CB-04) and the outfall to the Union Ship Canal for analysis of cyanide speciation and metals. Analytical results for surface water sampling are shown on Table 3-17.

Total Cyanide concentrations were below the standard of 200 µg/L in all of the samples collected from the stormwater basin. WAD Cyanide, the form of cyanide which can be used to estimate concentrations of Free Cyanide (the most toxic form of cyanide), was detected in Basin-1 only, the location just north of the basin outlet. All other metals were detected below standards with the exception of iron in the unfiltered sample collected from Basin-3 and sodium in all samples.

In the catch basin and outfall samples, total cyanide concentrations again were higher in the filtered versus unfiltered samples in all locations with the exception of CB-01. Total (soluble) Cyanide concentrations in the filtered samples ranged from 6.5 µg/l (CB-02) to 46.7 (CB-03), below the 200 µg/L standard. Amenable Cyanide was detected in the filtered sample from CB-03 and from both the filtered and unfiltered samples collected at the outfall. WAD Cyanide was detected in the unfiltered sample from CB-04 and was a significant portion of the Total Cyanide concentration from that catch basin. WAD Cyanide was not detected at the outfall.

All other metals were detected below standards with the exception of iron in the unfiltered sample collected at the Outfall and sodium in all samples.

Results are summarized in Table 3-17 and exceedances are included on Figure 3-4A. Significant exceedances are summarized below:

- Iron: detected above the standard of 300 µg/L in Basin-3 (576 µg/L unfiltered) and in the duplicate sample collected at Basin-3 (2,840 µg/L unfiltered), and at the Outfall at the Union Ship Canal (312 µg/L unfiltered).
- Sodium: detected above the standard of 20,000 µg/L in all locations for unfiltered and filtered samples (Basin-1, Basin-2, Basin-3, CB-01, CB-02, CB-03, CB-04, and the Outfall at the Union Ship Canal).

In November 2014, a second round of surface water samples, both filtered and unfiltered, were collected from the same three locations within the stormwater basin, 15 catch basins, and the Outfall to the Union Ship Canal. Samples were analyzed for total cyanide, free cyanide, amenable cyanide, TAL metals, and SVOCs. All analytical results from the November 2014 sampling round are included on Table 3-18 and on Figure 3-4B.

Total cyanide was detected during this round at only three locations; all detections were below the standard of 200 µg/L. Total (soluble) cyanide concentrations in filtered samples were detected in CB-07 (18 µg/L) and CB-14 (6.4 µg/L); total cyanide was detected in the unfiltered sample only at CB-08 (45 µg/L). Free cyanide was detected in the unfiltered and filtered samples collected from location Basin-1 at 3 µg/L and 4 µg/L, respectively; all detections were below the standard of 5.2 µg/L. Total cyanide was non-detect in these samples, however it should be noted that free cyanide was analyzed by Alloway while total cyanide analysis was performed by TestAmerica. One exceedance for manganese and thallium were found in CB-12 and CB-01, respectively. Additional metal exceedances included iron and sodium, similar to the previous sampling round. Exceedances for four SVOC compounds, (bis(2-ethylhexyl)Phthalate, nitrobenzene, pentachlorophenol and phenol) were detected in some samples, as indicated in Table 3-18. The bis(2-ethylhexyl)Phthalate results were qualified as non-detections following data validation.

- Iron: detected above the standard of 300 µg/L in CB-01 (930 µg/L unfiltered), CB-05 (330 µg/L unfiltered), CB-06 (580 µg/L unfiltered), CB-07 (470 µg/L unfiltered) and the field duplicate collected from CB-07 (490 µg/L unfiltered), CB-11 (450 µg/L unfiltered), CB-12 (1,800 µg/L unfiltered, 680 µg/L filtered), CB-14 (390 µg/L unfiltered), and the Outfall (312 µg/L unfiltered).
- Manganese: detected above the standard of 300 µg/L in CB-12 (320 µg/L unfiltered, 300 µg/L filtered).
- Sodium: detected above the standard of 20,000 µg/L in the following locations for unfiltered and filtered samples: Basin-1, Basin-2, Basin-3, CB-01, CB-02, CB-03, CB-04, CB-07, CB-08, CB-09, CB-10, CB-12, CB-14, CB-15, CB-16, and the Outfall at the Union Ship Canal.
- Nitrobenzene: detected above the standard of 0.4 µg/L in CB-09 (0.47 µg/L unfiltered).
- Pentachlorophenol: detected above the standard of 1 µg/L in CB-08 (4.5 µg/L unfiltered, 3.5 µg/L filtered).
- Phenol: detected above the standard of 1 µg/L in CB-08 (4.6 µg/L unfiltered, 4.8 µg/L filtered), and CB-12 (4.7 µg/L filtered).
- pH: detected at or above the standard of 12 SU in Basin-1 (12.32 SU), Basin-2 (12.46 SU), Basin-3 (12.36 SU), CB-01 (12.35 SU), CB-02 (12.4 SU), CB-03 (12.35 SU), CB-04 (12.21 SU), CB-15 (12.16 SU), and CB-16 (12.25 SU).

In May 2015, a third round of surface water samples, both filtered and unfiltered were collected from two swales and 11 catch basins. Samples were analyzed for total cyanide, free cyanide, TAL metals, and SVOCs. All analytical results from the May 2015 sampling round are include on Table 3-19 and on Figure 3-4C.

Total cyanide was detected at all locations during this round; all detections were below the standard of 200 µg/L. In the catch basin samples, total cyanide concentrations were higher in filtered versus unfiltered samples in four locations (CB-20, CB-23, CB-26, and CB-28) out of thirteen detections. Total (soluble) cyanide concentrations on the filtered samples ranged from 4.76 µg/L (CB-29) to 181 µg/L (CB-23), below the 200 µg/L standard. Free cyanide was not detected in any of the samples, at all locations.

- *Arsenic:* detected above the standard of 25 µg/L in CB-21 (32.5 µg/L filtered).
- *Iron:* detected above the standard of 300 µg/L in CB-12 (1,750 µg/L unfiltered), CB-20 (1,080 µg/L unfiltered), CB-21 (7,990 µg/L unfiltered, 1,310 µg/L filtered), CB-22 (1,190 unfiltered), CB-23 (361 µg/L unfiltered), CB-27 (2,150 µg/L unfiltered), and CB-28 (766 µg/L unfiltered).
- *Lead:* detected above the standard of 25 µg/L in CB-21 (26 µg/L unfiltered).
- *Manganese:* detected above standard of 300 µg/L in CB-21 (511 µg/L unfiltered, 381 µg/L filtered)

- *Selenium:* detected above the standard of 10 µg/L in CB-18 (12 µg/L unfiltered), CB-19 (17.5 µg/L filtered), CB-21 (16 µg/L unfiltered), CB-23 (17.2 µg/L unfiltered; 15.4 µg/L filtered), CB-25 (14.4 µg/L filtered), CB-26 (19.4 µg/L unfiltered), and CB-27 (16.9 µg/L unfiltered, 16.6 µg/L filtered).
- *Sodium:* detected above the standard of 20,000 µg/L in the following locations for unfiltered and filtered samples: CB-12, CB-18, CB-19, CB-20 (only filtered), CB-21, CB-22, CB-23, CB-24, CB-25, CB-26, CB-27, CB-28, and CB-29.
- *Phenol:* detected above the standard of 1 µg/L in CB-18 (2 µg/L filtered), CB-21 (7.7 µg/L unfiltered), CB-21 (10 µg/L filtered), and CB-23 (3.6 µg/L filtered).
- *pH:* detected at or above the standard of 12 SU in CB-18 (12.94 SU), CB-19 (13.07 SU), CB-23 (12.82 SU), CB-24 (13.01 SU), CB-25 (13.03 SU), CB-26 (12.66 SU), and CB-27 (12.6 SU).
- In October 2015, a fourth round of surface water samples, both unfiltered and filtered, were collected from a total of 30 locations within and around Parcel 4. Samples were analyzed for TAL metals and SVOCs. Analytical results are provided in Table 3-20 and exceedances are shown on Figure 3-4D.The objective of this additional sampling round was to identify a potential source of the high pH observed in surface water samples collected in May 2015. The pH exceeded the standard of 12 SU in CB-26 (12.22 SU) and CB-27 (12.03 SU) only, however several locations had a pH greater than 10 SU.
- Sodium and iron were detected above their respective water quality standards of 20,000 µg/L and 300 µg/L, respectively in the majority of samples. The following is a summary of other significant exceedances observed in surface water samples collected in October 2015:
- *Magnesium:* detected above the standard of 35,000 µg/L in CB-08 (43,800 µg/L unfiltered, 42,400 µg/L filtered).
- *Manganese:* detected above the standard of 300 µg/L in CB-12 (330 µg/L unfiltered).
- *Pentachlorophenol:* detected above the standard of 1 µg/L in CB-09 (2.5J µg/L unfiltered), CB-16 (2.7J µg/L unfiltered), CB-19 (2.2J µg/L unfiltered), CB-24 (2.3J µg/L unfiltered) and CB-30 (2.6 µg/L unfiltered).
- Phenol: detected above the standard of 1 µg/L in CB-01 (1.3J µg/L unfiltered), CB-23 (35 µg/L unfiltered, 34 µg/L filtered), and CB-27 (1 µg/L unfiltered).

3.6 Summary of Sediment Sampling

In September 2014, CDM Smith collected sediment samples from the three locations in the stormwater Retention Basin (Basin-1, -2, and -3), CB-01, CB-02 and the Outfall. CB-03 was not sampled because it did not contain a sufficient volume of sediment. CB-04 could not be sampled because the cover was unable to be removed. All sediment sample results are provided in Table 3-21. Cyanide results as well as arsenic, copper and nickel concentrations are shown on Figure 3-5A.

Total cyanide concentrations ranged from 10.6 to 18.8 mg/kg in the Retention Basin. Total cyanide was considerably lower in the sample collected from CB-01 (0.965 mg/kg) and the Outfall (1.83 mg/kg); the sample from CB-02 was non-detect. WAD cyanide and PAC were detected in all three of the Retention Basin samples, with the highest concentrations found in the more western, upstream locations Basin-2 and Basin-3. The WAD and PAC detections in the catch basin and Outfall samples were qualified as estimated as they were above the method detection limits, but below the method reporting limits.

When comparing to freshwater sediment guidance values found in NYSDEC's Division of Fish, Wildlife and Marine Resources *Screening and Assessment of Contaminated Sediment* document (June 2014), chromium and zinc concentrations in the sample collected from Basin-1 fall into the Class B classification, meaning they are considered slightly to moderately contaminated and further evaluation is required to evaluate potential risks to aquatic life.

Between November and December 2014, CDM Smith collected a second round of sediment samples from the three locations within the Retention Basin, the Outfall to the Union Ship Canal and six catch basins. Samples were analyzed for total cyanide, amenable cyanide, free cyanide, TAL metals, and SVOCs. All sediment sampling results from the second round are included on Table 3-22; cyanide, arsenic, copper and nickel concentrations are shown on Figure 3-5B.

Total cyanide concentrations ranged from 1.1 mg/kg in CB-05 to 19.6 mg/kg in location Basin-2. Free cyanide was detected in 9 of 10 locations, ranging from 0.3J mg/kg in CB-19 to 8.9 mg/kg in Basin-2. Additionally, samples that fall into the Class B classification when compared to freshwater sediment guidance values (GV) are summarized below:

- *Arsenic:* detected above the Class A GV of 10 mg/kg in Basin-1 (13 mg/kg), Basin-2 (14.8J mg/kg), Basin-3 (11.2 mg/kg).
- *Cadmium:* detected at the Class A GV of 1 mg/kg in CB-17.
- *Copper:* detected above the Class A GV of 32 mg/kg in CB-15 (39.2 mg/kg) and CB-17 (49.6 mg/kg).
- *Lead:* detected above the Class A GV of 36 mg/kg in Basin-1 (69.3 mg/kg), Basin-3 (52.9 mg/kg), CB-04 (46 mg/kg), CB-15 (74.3 mg/kg) and CB-19 (36.1 mg/kg).
- *Nickel:* detected above the Class A GV of 23 mg/kg in CB-17 (27.1 mg/kg).
- *Zinc:* detected above the Class A GV of 120 mg/kg in Basin-1 (197 mg/kg), Basin-3 (192 mg/kg), CB-04 (152 mg/kg), CB-15 (171 mg/kg), CB-17 (280 mg/kg).

Additionally, the sediment sample collected from CB-17 had a lead concentration that exceeded the Class B GV of 130 mg/kg at 170 mg/kg, meaning it is considered highly contaminated and likely poses a risk to aquatic life.

3.7 Data Usability

CDM Smith submitted the laboratory analysis reports from September 2012 and January 2013 to Nancy Potak, to complete a data validation report for the analysis performed by Spectrum. The results of that report noted minor issues with the matrix spike, matrix duplicate and serial dilution. Percent recoveries for matrix spikes were within the QC limits with the following exceptions: DUP 1 (L1966-20AMS), Spike sample recovery is below criteria for Antimony at 39% with criteria of (75-125).

Serial Dilution analyses were performed on sample DUP 1 (L1966-20ASD). Percent differences were within the QC limits with the exception of the following: DUP 1 (L1966-20ASD).The serial dilution analysis was not within control limit for Cobalt (16%), Nickel (10%) and Zinc (13%).The data for these compounds were flagged with the J qualifier and are estimated values. The data for antimony were flagged with the "J" qualifier and are estimated values.

All field sample analytical results from July 2014 – May 2015, and October 2015were validated by Data Validation Services, an independent, qualified data validator in accordance with NYSDEC Data Usability Summary Report (DUSR) guidance. In general, data was usable as provided by the laboratory with only minor qualifications.

The analytical results from the August 2015 TENORM were validated by Environmental Data Service, an independent, qualified data validator in accordance with NYSDEC Data Usability Summary Report (DUSR) guidance. All data from this sampling event were considered usable as reported by the laboratory or with minor qualification; the DUSR is included in Appendix H.

Copies of all available DUSR reports are provided in Appendix H.

Section 4
Conclusions and Recommendations

4.1 Conclusions

The results of the characterization sampling indicate the presence of significant contamination in surface and subsurface soils throughout the Site. Based on the surface subsurface soils sampling results, contaminants of concern above the NYSDEC Restricted Commercial Use SCOs for metals and SVOCs are not limited to certain areas, but rather are observed across the entire area.

The results of both the surface and subsurface soil sampling results collected within Parcel 4/Lot 9 indicate the presence of cyanide and other metals, including arsenic, lead, and copper at concentrations that exceed their respective Restricted Commercial Use SCOs. The soil contamination is not limited to a specific area, but rather is present throughout Parcel 4/Lot 9. Lot 9 is the westernmost lot of the Site and given the close proximity to Lake Erie, predominant wind direction is easterly. Contaminated surface soils from the unremediated Lot 9 could easily deposit in Lots 4, 7 and 8, explaining the surface soil contamination observed in these more easterly lots. The results of the characterization sampling indicate the presence of significant contamination in subsurface soils throughout Parcel 4/Lots 4, 7 and 8. Based on the sampling results, contaminants of concern above the NYSDEC Restricted Commercial Use SCOs for metals and SVOCs are present at 4-10 feet bgs across the entire area.

Groundwater results from Parcel 4/Lot 9 continued to show the presence of residual contamination throughout the area due to observed exceedances of TOGs 1.1.1 guidance values for metals, SVOCs, total cyanide, and free cyanide. Total cyanide and free cyanide were detected above their respective guidance values in TP-10, located on the western edge of Parcel 4/Lot 9. Additionally, pH measurements were extremely high in TP-10 (in excess of 12 SU). The general groundwater flow patterns indicate that the unremediated Lot 9 is upgradient of Lots 4, 7, and 8, which is likely also acting as a source for the groundwater exceedances observed in the Lots 4, 7 and 8 groundwater monitoring wells.

Groundwater results from Parcel 4/Lots 4, 7 and 8 indicate the presence of residual contamination throughout the area due to observed exceedances of TOGs 1.1.1 guidance values for metals, SVOCs, total cyanide, and free cyanide. Total cyanide and free cyanide were detected above their respective guidance values in TP-08, located in the vicinity of the former Blue Fill Area just east and downgradient of Parcel 4/Lot 9. The Blue Fill Area was a disposal area for spent "Blue Billy," the byproduct of a historical manufactured gas plant operation. It is likely there is a continuing source of contamination upgradient of TP-08, and planned excavation activities in Parcel 4/Lot 9 (discussed in Section 4.2) will remove that source.

Surface water results collected from catch basins in the vicinity of Parcel 4/Lot 9 did not show signs of significant contamination. This indicates that the catch basin network is not directly influenced by the soil and groundwater contamination at Lot 9.

The results of three rounds of surface water and two rounds of sediment sampling results in the Retention Basin, catch basins, and Outfall indicate the presence of cyanide. Although total cyanide concentrations were detected below the applicable standards, the results suggest that cyanide may be breaking down to less stable forms in the Retention Basin, as indicated by surface water and sediment results from Basin-1 (located on the east end of the Retention Basin near the outlet), catch basins downgradient of the Retention Basin, and at the Outfall to the Union Ship Canal. A summary of results is presented below:

- During the September 2014 sampling round WAD cyanide, which can be used to estimate free cyanide concentrations, was detected in surface water from the Basin-1 and CB-04 locations.
- Also during September 2014, WAD cyanide was detected in sediment samples collected throughout the Retention Basin, CB-01, CB-02, and the Outfall.
- In the November 2014 round of sampling, free cyanide was detected in the surface water sample collected from Basin 1, again pointing to the potential degradation of total cyanide by exposure to high pH and ultraviolet light. Total cyanide was non-detect in the basin as well as the downstream catch basins leading to the outfall.
- pH measurements were collected during the November 2014 sampling event. pH was measured in excess of 12 SU throughout the Retention Basin and in the downgradient catch basins (CB-01, CB-02, CB-03, and CB-04). Additionally, there were high pH readings in CB-15, located northeast of Parcel 4 and in CB-16, immediately upgradient of the Retention Basin. The pH at the Outfall was acceptable, at 10.34 SU, likely due to mixing with Union Ship Canal waters.
- In the November 2014 round of sediment sampling, the highest concentrations of both total and free cyanide were detected in the stormwater basin location Basin-2.

In addition to cyanide, metals were detected at high levels in the surface water and sediments throughout the Retention Basin. Arsenic, zinc, and lead were found in sediment samples, and elevated concentrations of sodium were found in surface water samples collected from the Retention Basin.

During sampling activities, groundwater seeps were observed in the Retention Basin sediment. In reviewing the Site Plan drawings created by C&S Companies for the Parcel 4/Lot 4, 7, and 8 remedial action, the Retention Basin was installed below the groundwater table and it appears that a liner was not installed when the Retention Basin was constructed. Therefore, CDM Smith has concluded that groundwater is also contributing a small component of the contamination observed within the Retention Basin, downstream catch basins, and the Outfall to Union Ship Canal.

Outside of the Retention Basin, metal compounds at concentrations that fall into Class B category, including: cadmium, copper, lead, nickel and zinc were found in catch basins CB-15, CB-17 and CB-19 which are all located in the parcel north of the site. CB-15 is located northeast of Parcel 4, while CB-17 and CB-19 are the bottom of swales in the Parcel 4/Lots 6, 10 and 11; north of Parcel 4/Lots 4, 7 and 8. Based on piping diagrams of the stormwater network, these locations drain into the Parcel 4 Lots 4, 7 and 8 catch basin network, through the Retention Basin and ultimately drain into the Union Ship Canal. With only limited sampling results, it is speculated that these areas could continue to be a source of elevated metals contamination to the Retention Basin and possibly Union Ship Canal.

The most recent sampling activities in October 2015 were performed based on results of the previous investigations. The primary objectives of this recent sampling were the following:

- Identify whether SVOCs detected in groundwater samples are migrating from a potential source north of Parcel 4.
- Collection of surface soil samples to determine whether the high pH detected in surface water samples is a result of runoff.
- Identify whether there are groundwater exceedances in close proximity to locations where subsurface soil sample exceedances are observed.
- Characterize the groundwater in existing monitoring wells MW-404 and MW-405 located on Lot 9 and in MW-UNK located on Lot 8.

The three temporary well points located north of Parcel 4 (TP-13, TP-14 and TP-15) were installed and sampled in October 2015. Pentachlorophenol was detected above the standard of 1µg/L at 2.8 µg/L in TP-15; there were no other SVOC exceedances. TP-15 is located the farthest west of the three new wells, immediately north of Lot 9. Additionally, subsurface soil samples collected during well installation yielded exceedances in the 0 to 4 feet bgs interval for benzo(a)pyrene only at TP-14 (SB-100) and TP-15 (SB-101).

The pH in the six surface soil samples collected in October 2015 ranged from 8.71 to 8.88 SU. From the limited sampling locations and data, there is no clear indication that the high pH observed in utilities is a result of runoff. There is an apparent correlation between high pH in surface water samples and elevated calcium concentrations, however this correlation is not present in groundwater samples.

The location of groundwater exceedances were evaluated to determine if they coincide with subsurface soil exceedances. Any observations that soil contaminants are affecting groundwater quality may dictate that deeper excavation be performed in these areas. Total cyanide concentrations in groundwater and subsurface soil samples exceeded the TOGS 1.1.1 guidance value and Commercial SCO, respectively, in the southern portion of Lot 8 near the Blue Fill Area. Total cyanide exceedances were observed in groundwater samples collected from TP-08 and MW-UNK and in two nearby subsurface soil samples at a depth of zero to eight feet bgs. Similarly, arsenic exceedances in both groundwater and subsurface soil samples exist in the northern portion of Lot 8. Exceedances have been observed in groundwater collected from TP-02 and MW-402 and in subsurface soil samples at four locations between the two groundwater wells. Arsenic contamination above the SCO was primarily observed at depths of 8 feet bgs to as deep as 20 feet bgs.

Existing monitoring wells MW-404, MW-405, and MW-UNK were sampled for total cyanide, free cyanide, TAL metals, and SVOCs. MW-404 contained exceedances for free cyanide and some metals compounds. Pentachlorophenol was detected in MW-405 at 58 µg/L, compared to the standard of 1 µg/L. This well is screened from 15 to 25 feet bgs indicating that some phenol contamination is present at a deeper interval than what has been sampled at the temporary well points. MW-UNK, as mentioned above, contained exceedances for both total and free cyanide.

4.2 Recommendations

Based on the analytical results presented in Section 3 and discussed above, CDM Smith recommends the following:

- The elevated levels of metals at almost all locations and at varying depths will limit segregation of excavated materials during the remedial construction. With the exception of large amounts of concrete on the surface and any other C&D material such as roofing shingles as well as tires, across the site; all excavated material can be disposed of as non-hazardous. The results of the TENORM sampling performed in August 2015 indicate low levels of radioactive material are present. It will be necessary to verify the acceptable radiochemistry limits of the receiving disposal facility.

- CDM Smith estimates between 70,000 and 75,000 tons of contaminated material will be excavated to an elevation of 577 feet amsl in Lot 9, based on the cross-sections provided in Section 3.

- Although many of the subsurface sample results showed metals concentrations exceeding the Restricted Commercial Use SCO, there were no exceedances of TCLP standards in any of the soil samples collected at the Site. Since the TCLP standards were not exceeded, the soils are not classified as hazardous and therefore, are not required to be disposed of in a RCRA-regulated facility (e.g., Chemical Waste Management Model City, NY landfill). However, due to the elevated levels of metals present, the Site soils will need to be disposed of in a NYSDEC Part 360-regulated facility (e.g., Seneca Meadows Landfill, or equivalent).

- As a result of surface soil contamination observed in Lots 4, 7 and 8, and because there is a high likelihood of cross-contamination during remedial activities, CDM Smith recommends a

surface scrape of Lots 4, 7 and 8. The surface scrape will need to be completed prior to using the area as a laydown area during remediation activities of Lot 9. The surface scrape will involve a 1-foot scrape of all surficial soils in Parcel 4/Lots 4, 7, and 8, installation of a non-woven geotextile fabric demarcation layer, and 1 foot of screened common fill.

- Additional excavation beyond a surface scrape is recommended in a 0.7-acre portion of Lot 8 where both groundwater and soil contamination are observed. It is recommended that excavation proceed to 8 feet bgs in the area near the former Blue Fill Area where total cyanide exceedances have been observed. CDM Smith estimates approximately 8,500 tons of contaminated material will be excavated from this area. Further excavation is not recommended in the area near TP-02 as contamination is present at depths that do not pose a risk from anthropogenic activities.

- Surface water and sediment sampling from the Retention Basin and catch basin network throughout Lots 4, 7, 8, and 9 indicate the presence of contamination.

- Additionally, field observations indicate groundwater is seeping into the Retention Basin. Therefore, it is recommended that the water and sediment from the Retention Basin and downstream catch basins be removed via a vacuum truck. Water will be transported offsite for treatment; sediment will be staged in the laydown area east of Lot 9 for drying. After the water and sediments are removed, CDM Smith recommends that a new Basin with a liner system be designed and constructed above the groundwater table.

- Due to the elevated pH observed in surface water samples collected from the catch basin network and the Retention Basin, CDM Smith recommends that a pH treatment system be considered at the new Retention Basin to lower pH prior to discharge at the Union Ship Canal outfall.

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Appendix A

NYSDEC Site Boundary Modification Letter

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Technical Support, 11th Floor
625 Broadway, Albany, NY 12233-7020
Phone: (518) 402-9553 • Fax: (518) 402-9547
Website: www.dec.ny.gov

Joe Martens
Commissioner

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

March 6, 2015

Buffalo Lakeside Commerce Park 1, LLC
Attn: Peter M. Cammarata
President, Buffalo Urban Development Corp.
95 Perry Street, Suite 404
Buffalo, NY 14203

Dear Mr. Cammarata:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), the New York State Department of Environmental Conservation (DEC) must maintain a registry of all inactive disposal sites suspected or known to contain hazardous wastes. The ECL also mandates that DEC notify, by certified mail, the owner of all or any part of each site or area included on the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry) as to changes in site classification and/or boundary modifications. DEC previously notified you of the listing of this site on the Registry.

Our records indicate that you are still the owner or part owner of the site listed below. Therefore, this letter constitutes notification of the boundary modification for this site increasing the site size from 5.5 acres to 19.665 acres. As previously indicated, once listed on the Registry, the site becomes subject to certain restrictions prescribed by provisions of 6 NYCRR Part 375. These regulations may be found at the following DEC website address: http://www.dec.ny.gov/regs/4373.html.

DEC Site No.: 915193A
Site Name: Buffalo Lakeside Commerce Park - Parcel 4
Site Address: 1714 Fuhrmann Blvd., Buffalo NY 14203
Site Classification: Class 2

The reason for the boundary modification is as follows:

The Buffalo Lakeside Commerce Park Parcel 4 site is currently the western lot (Lot 9) of Parcel 4. Lot 9 was separated from the original Environmental Restoration Program (ERP) site to allow expeditious removal of the lead contaminated ash pile. The remaining remedial activities required on the ERP site have yet to be completed. Due to the size constraints of Lot 9, the NYSDEC requested and was granted access to Lots 8 and 9 for use as a construction laydown and staging area.

As part of the remedial design, baseline samples of the laydown and staging area and samples needed to complete the site management plan and easement for the entire parcel were collected. Groundwater samples were also collected to assess groundwater conditions for construction and well abandonment needs. Analysis of the data indicates that source material outside of Lot 9 may remain on Parcel 4. To address the source material, the incorporation of the remainder of Parcel 4 into the current inactive hazardous waste site would allow for the expeditious removal of source material during the remediation work that will be performed on Parcel 4.

Enclosed is a copy of DEC's Inactive Hazardous Waste Disposal Site Report form as it will appear on the Registry. An explanation of the site classification is available at http://www.dec.ny.gov/chemical/8663.html.

For additional information, please contact Heidi-Marie Dudek, the Project Manager, at 518-402-9813.

Sincerely,

Kelly A. Lewandowski

Kelly A. Lewandowski, P.E.
Chief, Site Control Section

Enclosures

ec: H. Dudek, Project Manager

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
Inactive Hazardous Waste Disposal Report

Site Code	915193A				
Site Name	Buffalo Lakeside Commerce Park - Parcel 4	**Address**	1714 Fuhrmann Blvd.		
Classification	02	**City**	Buffalo	**Zip**	14203
Region	9	**County**	Erie	**Town**	Buffalo (c)
Latitude	42 degrees, 50 minutes, 9.00 seconds			**Estimated Size**	19.665
Longitude	-78 degrees, 51 minutes, 11.00 seconds				
Site Type		**Disposal Area**	Dump		

Site Description

Location
The Buffalo Lakeside Commerce Park (BCLP) occupies over 200 acres at the southern edge of the City of Buffalo. Approximately 113 acres of the BLCP was formerly referred to as the Hanna Furnace Site (Site #915029). The Parcel 4 site is a 20 acre, vacant parcel located on the western edge of the BLCP, in the northwest corner of the former Hanna Furnace parcel and now matches the boundary of the ERP site #E915193 by the same name.

The site is bordered to the west by New York State Route 5 and Fuhrmann Boulevard, and to the south by the remediated ERP site Hanna Furnace Subparcel 3 Site #B00164 (now known as the Union Ship Canal Commons public greenspace). The Union Ship Canal, a slip off of the Buffalo Outer Harbor, lies 200 feet south of the site.

Current Zoning/Uses
Buffalo Urban Development Corporation (BUDC), owner of the BLCP, intends to redevelop the land, including this site, consistent with the light industrial/commercial redevelopment that has taken place in Parcels 1 and 2. Two remediated and redeveloped BCP sites (BLCP-Krog, Site #C915185 and Cobey-BLCP, Site #C915202) are located in Parcels 1 and 2 of the BLCP. Parcel 4 is currently zoned for light industrial/commercial use.

Site Features
In earlier investigations, the site was often called the "Filter Cake/Flue Ash" area. Occupying much of the site is a mound of fill composed of the byproducts from the pig iron production: black fine-grained flue ash, collected from the exhaust of the iron blast furnaces; and filter cake, the solids screened from the wet "scrubbers" which separated impurities from the same furnace exhaust before the combustible gases were recycled back to the furnaces. The surface of the Filter Cake/Flue Ash area is "hummocky"; actually best characterized as several smaller, connected mounds with a maximum height of approximately 15 feet. Much of the filter cake/flue ash piles are covered with fill material (clay, crushed stone and concrete), which was reportedly excavated from the construction site of a supermarket in the City of Buffalo.

Historical Uses
Parcel 4 was the northern most of four adjoining parcels that comprised the Hanna Furnace iron foundry. The railroad yard that serviced the foundry and the production facilities themselves and were located to the south in Parcels 1 and 2 respectively. Parcel 3 surrounded the eastern end of the Union Ship Canal and is where the foundry's raw materials (ore, coke and limestone) were delivered and stockpiled.

Hanna Furnace purchased Parcel 4 from the Pennsylvania Railroad in 1960. At that time, a marsh and pond occupied most of the site, with railroad tracks encircling it. Over the ensuing decades, the marsh was backfilled with slag, ash, and demolition debris generated by the foundry. Fill material covers the entire site and is the source of the site contamination.

There have been sixteen separate environmental investigations conducted on the former 200 acre Hanna Furnace property. Of these sixteen studies, six investigations included the Parcel 4 area.

In 2006 an Environmental Site Investigation was completed by Malcolm Pirnie for BUDC under the NYS Environmental Restoration Program and a Record of Decision (ROD) was issued. The Parcel 4 site remedy required the excavation and off-site disposal of discrete solid waste materials, installation of a cover system over the entire site and the implementation of a site management plan to ensure long term care of the cover system and compliance with site use restrictions. The remediation of Parcel 4 (E915193) was not completed though discrete solid waste materials (i.e. the Debris Disposal pile) were removed for off –site disposal from the eastern two thirds of the parcel; the Filter Cake/Flue Ash area was left undisturbed.

Site Geology and Hydrogeology

The site geology can be characterized as a 25 to 30 foot-thick cover of natural and man-made overburden materials over a relatively flat shale bedrock surface. Natural overburden materials encountered include, in ascending order, glacial deposits (till), clay and peat. The fill material encountered varied from disturbed, natural soil materials from clay to boulders, dredged sediments and broken shale rock as well as the raw materials and byproducts of iron and steel manufacturing including: filter cake/flue ash, slag, iron ore, limestone, coke and construction and demolition debris. Fill material was encountered at every soil boring location on site and ranged in thickness from 10 to 25 feet.

The bedrock at the site is the Levanna Shale Member of the Middle Devonian Age Skaneateles Formation. The Levanna shale is described as a fissile shale, dark gray or black near the bottom and lighter gray in color near the top. Some calcareous (limey) beds and some pyrite concretions are present within this shale member. The Levanna is reportedly 45 feet thick and typically produces low quantitities of groundwater in the range of 10 to 15 gallons per minute. Being located near the shore of Lake Erie, surface water is the source of water for all uses in the area.

Contaminants of Concern (Including Materials Disposed) — Quantity

OU 01
LEAD

Analytical Data Available for : Groundwater, Soil

Applicable Standards Exceeded for: Groundwater, Soil

Site Environmental Assessment

Based upon the investigations conducted to date, the primary contaminant of concern is lead. The Filter Cake/Flue Ash pile, contained lead at concentrations as high as 11,000 ppm, well above the unrestricted soil cleanup objective of 63 ppm. Leachate from one of the five samples of this ash that were tested for the Toxicity Characteristic Leachate Procedure during the 2006 ERP site investigation, contained 11.7 mg/L of lead, exceeding the hazardous waste threshold of 5 mg/L. One of twelve filter cake/flue ash waste samples collected in earlier investigations (1995, 2001 and 2003) contained lead in the leachate at a concentration characteristic of a hazardous waste.

Contaminants found exceeding groundwater standards included: antimony, arsenic, beryllium, copper, iron, lead, magnesium, manganese, nickel, selenium, sodium, thallium, acetone, benzene, pentachlorophenol and phenol. Iron and sodium were found at elevated concentrations in all of the Parcel 4 wells. The pH of the groundwater was as high as 12.

Groundwater was encountered at depths between 1 and 7 feet with the most shallow groundwater found along the northern boundary of Parcel 4 and adjacent to the Debris Disposal pile, where standing surface water was often found. The groundwater beneath Parcel 4 generally flowed southward except in the raised area of the Debris Disposal pile where there was a localized radial flow. Between Parcel 4 and Union Ship canal to the south, the groundwater appeared to be influenced by the canal's north wall and/or by the railroad beds which once bordered the canal. Northwest of the canal, in the vicinity of the Filter Cake/Flue Ash area, where the canal wall is largely intact, groundwater flowed parallel to the canal wall eastward to that end of the canal where the wall is weathered and damaged and the canal wall cap is absent.

It is not known if the removal of the Debris Disposal pile and re-grading of Parcel 4 has altered the groundwater flow.The discharge of groundwater contaminants to the Union Ship Canal is however considered a minor contributor to the potential environmental risks to aquatic receptors. The greater environmental threat is associated with the current and potential impact on terrestrial vegetation and wildlife receptors from direct contact with the exposed soil/fill, in particular the filter cake/flue ash waste.

Site Health Assessment

The site is not fenced and persons who enter the site could contact contaminants in the soil by walking on the soil, digging, or otherwise disturbing the soil. People are not expected to come into direct contact with contaminated groundwater unless they dig below the ground surface.

Owners

Current Owner(s)

Peter M. Cammarata

Buffalo Lakeside Commerce Park 1, LLC

95 Perry Street, Suite 404

Buffalo NY 14203

Previous Owner(s)

Unknown

Hanna Furnace Corporation

Unknown

NY

Unknown

Jordan Foster Scrap

Unknown

NY

Operators

Appendix B

Boring and Test Pit Logs

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-1
Surface Elevation: 598 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	3.0 ft	598	595	Fill consisting of Sand, Clay, Brick, and Concrete. Gravel?			
3.0 ft	6.0 ft	595	592	Fill consisting of Sand, Clay, Gravel, Brick, and Concrete.			
6.0 ft	9.0 ft	592	589	Dark Fly Ash			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-2
Surface Elevation: 595 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	1.0 ft	595	594	Fill consisting of Clay and Gravel. Some Concrete.			
1.0 ft	8.0 ft	594	587	Dark Fly Ash, with some Concrete			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-3
Surface Elevation: 590 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	3.0 ft	590	587	Fill consisting of Sand, Clay, Gravel and Concrete. Some Brick.			
3.0 ft	8.0 ft	587	582	Dark Fly Ash			
8.0 ft	9.0 ft	582	581	Gray Rock Slag			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-4
Surface Elevation: 590 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	6.0 ft	590	584	Dark Fly Ash, with Fill consisting of Sand, Clay, Gravel and Concrete. Petroleum odor observed. Hard digging.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-5
Surface Elevation: 584 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	5.0 ft	584	579	Dark Fly Ash, with Fill consisting of Sand, Clay, Gravel and Concrete. Petroleum odor observed. Hard digging.			
5.0 ft	6.0 ft	579	578	Gray Rock Slag. Petroleum odor observed. Hard digging.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-6
Surface Elevation: 581.5 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	3.0 ft	581.5	578.5	Dark Fly Ash, with Fill consisting of Sand, Clay, and Gravel			
3.0 ft	6.0 ft	578.5	575.5	Gray Rock Slag. Hard digging.			
6.0 ft	7.0 ft	575.5	574.5	Gray to Black Rock Slag. Hard Digging.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-7
Surface Elevation: 586.5 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	5.0 ft	586.5	581.5	Dark Fly Ash, with Wood Timbers. Hard Digging.			
5.0 ft	8.0 ft	581.5	578.5	Black Fly Ash. Soft Digging.			
8.0 ft	9.0 ft	578.5	577.5	Gray Rock Slag.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-8
Surface Elevation: 584 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	5.0 ft	584	579	Brown to Gray Fly Ash, with Wood Timbers.			
5.0 ft	6.0 ft	579	578	Gray Rock Slag.			
6.0 ft	7.0 ft	578	577	Blue/Gray Clay with some Sand.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-9
Surface Elevation: 590 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	3.0 ft	590	587	Black Fly Ash, with Wood Timbers.			
3.0 ft	4.0 ft	587	586	Compacted Black Fly Ash. Hard Digging.			
4.0 ft	8.0 ft	586	582	Softer Black Fly Ash. Easier Digging.			
8.0 ft	11.0 ft	582	579	Rock Slag.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-10
Surface Elevation: 586 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	3.0 ft	586	583	Rock and Fill consisting of Sand and Gravel.			
3.0 ft	6.0 ft	583	580	Compacted Black Fly Ash.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-11
Surface Elevation: 586 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	1.0 ft	586	585	Construction & Demolition Debris.			
0.0 ft	6.0 ft	586	580	Compacted Black Fly Ash. Hard Digging.			
6.0 ft	7.0 ft	580	579	Gray Rock Slag.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-12
Surface Elevation: 588.5 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	4.0 ft	588.5	584.5	C&D Debris consisting of pipe, bricks, concrete, rebar, and conduit. Brown Fly Ash mixed in with C&D Debris.			
4.0 ft	6.0 ft	584.5	582.5	Gray Rock Slag.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-13
Surface Elevation: 581 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	1.5 ft	581	579.5	3"-minus Stone changing over to Dark Fly Ash moving south to Parcel Boundary.			
1.5 ft	3.0 ft	579.5	578	Gray Crushed Stone			
3.0 ft	4.0 ft	578	577	Gray Clay			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-14
Surface Elevation: 586 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	2.0 ft	586	584	Brown Fly Ash. Dense.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-15
Surface Elevation: 581.5 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	4.0 ft	581.5	577.5	C&D Debris consisting of brick and concrete changing over to Dark Fly Ash moving west to Hazardous Area (fenced).			
4.0 ft	6.0 ft	577.5	575.5	Gray Rock Slag. Dense.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-16
Surface Elevation: 582 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	6.0 ft	582	576	C&D Debris consisting of brick, concrete, pipe, and fiberglass.			
6.0 ft	7.0 ft	576	575	Gray Rock Slag.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-17
Surface Elevation: 582.5 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	6.0 ft	582.5	576.5	C&D Debris consisting of brick and fiberglass, mixed in with Dark Fly Ash. Changes over Black Fly Ash only farther west.			

Test Pit Log

Client: NYSDEC
Project: Buffalo Lakeside Commerce Park
Date: September 17-18, 2012

Project No: 0897-91667
Test Pit No.: TP-18
Surface Elevation: 583 ft (MSL)



Depth		Elevation		Material Description			Water Depth/Date
From	To	From	To	C = Coarse	M = Medium	F = Fine	
0.0 ft	1.0 ft	583	582	Dark Fly Ash.			
1.0 ft	5.0 ft	582	578	Dark Fly Ash mixed in with C&D Debris consisting of brick and metal.			
5.0 ft	6.0 ft	578	577	Gray Rock Slag.			

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-1**

New York State Department of Environmental Conservation

STARTED: 9/17/12 COMPLETED: 9/17/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033176.80 ft. EASTING: 1076165.10 ft.

G.S. ELEVATION: 580.6 ft. M.P. ELEV:

WATER: 4.8 ft. TOTAL DEPTH:5.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Light Brown Gravelly Sand Fill				580		
			Fly Ash						
			Brick and Crushed Stone						SB-01 0-4'
5			Rock Slag as well as large concrete pieces, woody debris, and white building fibers were present all in the Slag.		3		575		SB-01 4-8'
10					2		570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-2**

New York State Department of Environmental Conservation

STARTED: 9/17/12 COMPLETED: 9/17/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033135.50 ft. EASTING: 1076053.00 ft.

G.S. ELEVATION: 580.7 ft. M.P. ELEV:

WATER: 8 ft. TOTAL DEPTH:12.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Light Brown Gravelly Sand				580		
			Light Gray fill material consisting of crushed rock, sand, and silt. Possilbly Concrete Debris						
5					4		575		
			Soft gray clay with Coarse Gravel						
			▼						
			Light Gray to Dark Brown Clay.						
10					4		570		
15					4		565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-3**

New York State Department of Environmental Conservation

STARTED: 9/17/12 COMPLETED: 9/17/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033098.70 ft. EASTING: 1075953.70 ft.

G.S. ELEVATION: 581 ft. M.P. ELEV:

WATER: 7 ft. TOTAL DEPTH:8.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Light Brown Sandy Gravel				580		
			White Ashy Crushed gravel and Concrete						
			Brown Clay Gravel Mix						
5			Brown to Gray Clay		4		575		
			Dark Gray Clay		4				
10							570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-4**

New York State Department of Environmental Conservation

STARTED: 9/17/12 COMPLETED: 9/17/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033378.60 ft. EASTING: 1076221.20 ft.

G.S. ELEVATION: 582.8 ft. M.P. ELEV:

WATER: 8 ft. TOTAL DEPTH:10.5 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
			Fill material such as Brick, Plastic, Wood, and Concrete. Dark Brown to Black Fly Ash is also present				580		
5			Brick Fill		4				
			Blue Rock Fill				575		
			Pale Yellow Rock Fill						
			Brick Fill						
10			Coarse Gravel and Wood Debris, metallic shine present		4				
					2.5		570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-5**

New York State Department of Environmental Conservation

STARTED: 9/17/12 COMPLETED: 9/17/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033478.90 ft. EASTING: 1076197.90 ft.

G.S. ELEVATION: 583.7 ft. M.P. ELEV:

WATER: 6 ft. TOTAL DEPTH:6.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Brick Fill				580		
			Fly Ash - white fibers are present.						
5			Brick Fill		4		575		
			Fly Ash - white fibers and wood debris are present.						
10					2		570		
15							565		
20							560		
25							555		
30							550		
35							545		

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-6**

New York State Department of Environmental Conservation

STARTED: 9/17/12 COMPLETED: 9/17/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033597.50 ft. EASTING: 1076154.40 ft.

G.S. ELEVATION: 582.9 ft. M.P. ELEV:

WATER: 6 ft. TOTAL DEPTH:6.5 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Light Brown Sandy Gravel				580		
			Brick Fill						
			Fly Ash Material						
5			Brick and Wood Fill		4		575		
			Wood Debris						
10					2.5		570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-7**

New York State Department of Environmental Conservation

STARTED: 9/17/12 COMPLETED: 9/17/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033617.90 ft. EASTING: 1076073.90 ft.

G.S. ELEVATION: 581.2 ft. M.P. ELEV:

WATER: 6 ft. TOTAL DEPTH:6.5 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
			Light Brown Sandy Gravel. Fill material such as brick and glass are present				580		
			Brick, Concrete, and Glass Fill						
5			Fly Ash Material. Coarse Gravel and Sand both present. Organic odor is present, but no chemical sheens are visible.		4		575		
			Wood Debris						
10					2.5		570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01
LOCATION: Buffalo, NY

Soil Boring NO: **SB-8**
New York State Department of Environmental Conservation

STARTED: 9/17/12 COMPLETED: 9/17/12
DRILLING COMPANY: SJB
DRILLING EQUIPMENT: Geoprobe
DRILLING METHOD: DP
SAMPLING METHOD: Composite
SURFACE COMPLETION:

NORTHING: 1033573.20 ft. EASTING: 1075947.00 ft.
G.S. ELEVATION: 581.3 ft. M.P. ELEV:
WATER: 7 ft. TOTAL DEPTH:8.0 ft.
LOGGED BY: MLP CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Light Brown Sandy Gravel Fly Ash Material with Coarse Gravel				580		
5			Rock Slag Brown Sandy Gravel Mix, metallic shine present		4		575		
			Black Fly Ash Material Light Gray Rock Slag		4				
10							570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-9**

New York State Department of Environmental Conservation

STARTED: 9/17/12 COMPLETED: 9/17/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033517.20 ft. EASTING: 1075800.80 ft.

G.S. ELEVATION: 581.5 ft. M.P. ELEV:

WATER: NA TOTAL DEPTH:4.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
			Fly Ash Material with coarse gravel				580		
			Rock Slag, has a metallic Shine. Also contains construction fill material.						
5					4		575		
10							570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01
LOCATION: Buffalo, NY

Soil Boring NO: **SB-10**
New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12
DRILLING COMPANY: SJB
DRILLING EQUIPMENT: Geoprobe
DRILLING METHOD: DP
SAMPLING METHOD: Composite
SURFACE COMPLETION:

NORTHING: 1033446.80 ft. EASTING: 1075676.70 ft.
G.S. ELEVATION: 583.2 ft. M.P. ELEV:
WATER: 8 ft. TOTAL DEPTH:12.0 ft.
LOGGED BY: MLP CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Fly Ash with coarse Gravel				583		
			Light Gray Clay, Sand Mixture - possibly the slag material				580		
			Black Fly Ash						
5			Light Gray Clay, Sand Mixture - possibly the Slag material		4				
			Layer of Small black rock- possibly Coal				575		
			Light to Dark Gray Rock Slag						
			Dark Gray Rock Slag		4				
10			Pale Yellow Crushed Rock Fill						
			Layer of Small black rock- possibly Coal				570		
					3.5				
15									
							565		
20									
							560		
25									
							555		
30									
							550		
35									
							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-11**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12
DRILLING COMPANY: SJB
DRILLING EQUIPMENT: Geoprobe
DRILLING METHOD: DP
SAMPLING METHOD: Composite
SURFACE COMPLETION:

NORTHING: 1033326.40 ft. EASTING: 1075696.20 ft.
G.S. ELEVATION: 584.2 ft. M.P. ELEV:
WATER: 8 ft. TOTAL DEPTH:12.0 ft.
LOGGED BY: MLP CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
			Blue Rock Fill						
			Blue-Gray Clay with coarse gravel. Chemical Sheens and Odor are present				580		
5			Gray-Black Clay with coarse gravel. Chemical Sheens and Odor are present.		4				
			Crushed Pale Yellow to Black Rock. Chemical Sheens and odor are present.						
			Thick Dark Gray Clay with coarse Gravel				575		
10			Thick Dark Gray Clay with medium to fine gravel. Chemical Sheens and odor are present.		4				
					4		570		
15									
							565		
20									
							560		
25									
							555		
30									
							550		
35									
							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-12**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12
DRILLING COMPANY: SJB
DRILLING EQUIPMENT: Geoprobe
DRILLING METHOD: DP
SAMPLING METHOD: Composite
SURFACE COMPLETION:

NORTHING: 1033239.40 ft. EASTING: 1075728.10 ft.
G.S. ELEVATION: 584.7 ft. M.P. ELEV:
WATER: 8 ft. TOTAL DEPTH:12.0 ft.
LOGGED BY: MLP CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
			Dark Brown topsoil material						
			Dark Fly Ash Material. Chemical sheens and odor are present.						
5			Dark Fly Ash Material. Wood and brick debris are present.		4		580		
10			Thick Dark Gray Clay with coarse gravel.		4		575		
15					4		570		
20							565		
25							560		
30							555		
35							550		
							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01
LOCATION: Buffalo, NY

Soil Boring NO: **SB-13**
New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12
DRILLING COMPANY: SJB
DRILLING EQUIPMENT: Geoprobe
DRILLING METHOD: DP
SAMPLING METHOD: Composite
SURFACE COMPLETION:

NORTHING: 1033105.20 ft. EASTING: 1075797.10 ft.
G.S. ELEVATION: 588.6 ft. M.P. ELEV:
WATER: 12 ft. TOTAL DEPTH:12.0 ft.
LOGGED BY: MLP CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Fill Material				588.6		
4			Dark Fly Ash Material				585		
5			Fill Material, partly Rock Slag		4				
6			Dark Fly Ash Material						
7			Fill Material, partly Rock Slag						
8			Dark Fly Ash Material				580		
10			Crumbly Fill Material		4				
12					4		575		
15									
20							570		
25							565		
30							560		
35							555		
							550		

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01
LOCATION: Buffalo, NY

Soil Boring NO: **SB-14**
New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12
DRILLING COMPANY: SJB
DRILLING EQUIPMENT: Geoprobe
DRILLING METHOD: DP
SAMPLING METHOD: Composite
SURFACE COMPLETION:

NORTHING: 1033257.30 ft. EASTING: 1075779.60 ft.
G.S. ELEVATION: 597.7 ft. M.P. ELEV:
WATER: NA TOTAL DEPTH:19.0 ft.
LOGGED BY: MLP CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
			Fill Material consisting of sand, clay, crushed rock, fine gravel, brick, and concrete.				595		
			Dark Fly Ash Material						
5			Gray-tan Rock Slag		4				
			Dark Fly Ash Material				590		
			Fill Material consisting of rock and concrete						
			Light brown clay layer						
10			Dark Brown Clay layer		4				
			Gray-tan Rock Slag						
			Blue Crushed Rock				585		
			Fill Material Consisting of Brick and Concrete						
			Reddish Brown Clay Layer, brick is present.		4				
15			Dark Fly Ash Material, chemical odor is present						
					4		580		
			Light Brown Clay with coarse gravel.						
20					3		575		
25							570		
30							565		
35							560		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_IL_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-15**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033240.90 ft. EASTING: 1076098.90 ft.

G.S. ELEVATION: 588 ft. M.P. ELEV:

WATER: NA TOTAL DEPTH:4.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
			Fly Ash Material				585		
5					4		580		
10							575		
15							570		
20							565		
25							560		
30							555		
35							550		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-16**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033368.70 ft. EASTING: 1076078.70 ft.

G.S. ELEVATION: 585.4 ft. M.P. ELEV:

WATER: NA TOTAL DEPTH:12.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
			Dark Fly Ash Material				585		
5					4		580		
10			Thick Blue Rock Slag		4		575		
15					4		570		
20							565		
25							560		
30							555		
35							550		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_IL_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-17**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033470.20 ft. EASTING: 1076055.00 ft.

G.S. ELEVATION: 583.8 ft. M.P. ELEV:

WATER: 6 ft. TOTAL DEPTH:8.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
			Dark Fly Ash Material				580		
5			Gray - Tan Rock Slag ▼ Soft Gray- Tan Clay with fine gravel.		4		575		
10					4		570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01
LOCATION: Buffalo, NY

Soil Boring NO: **SB-18**
New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12
DRILLING COMPANY: SJB
DRILLING EQUIPMENT: Geoprobe
DRILLING METHOD: DP
SAMPLING METHOD: Composite
SURFACE COMPLETION:

NORTHING: 1033476.20 ft. EASTING: 1075954.40 ft.
G.S. ELEVATION: 582.6 ft. M.P. ELEV:
WATER: 6 ft. TOTAL DEPTH:8.0 ft.
LOGGED BY: MLP CHECKED BY:
HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W
VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Dark Fly Ash Material				580		
5			▼ Gray Rock Slag		4		575		
10					4		570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-19**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033389.30 ft. EASTING: 1075832.50 ft.

G.S. ELEVATION: 583.4 ft. M.P. ELEV:

WATER: TOTAL DEPTH:8.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Dark Fly Ash Material				580		
5			Gray - Tan Rock Slag		4		575		
10					4		570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-20**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033351.40 ft. EASTING: 1075985.90 ft.

G.S. ELEVATION: 585.8 ft. M.P. ELEV:

WATER: NA TOTAL DEPTH:8.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Light Brown Sandy Gravel				585		
			Dark Fly Ash Material						
5					4		580		
			Gray Tan Rock Slag						
10					4		575		
15							570		
20							565		
25							560		
30							555		
35							550		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-21**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033283.10 ft. EASTING: 1075900.70 ft.

G.S. ELEVATION: 586.2 ft. M.P. ELEV:

WATER: NA TOTAL DEPTH:8.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Dark Fly Ash Material				585		
5			Tan Sand Layer		4		580		
			Gray Tan Rock Slag						
			Blue Rock Slag						
10					4		575		
15							570		
20							565		
25							560		
30							555		
35							550		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-22**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033235.20 ft. EASTING: 1076023.40 ft.

G.S. ELEVATION: 585.1 ft. M.P. ELEV:

WATER: NA TOTAL DEPTH:6.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Dark Fly Ash Material, Concrete in shoe at refusal.				585		
5					4		580		
10					2		575		
15							570		
20							565		
25							560		
30							555		
35							550		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-23**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033198.00 ft. EASTING: 1075881.60 ft.

G.S. ELEVATION: 590.8 ft. M.P. ELEV:

WATER: 10 ft. TOTAL DEPTH:12.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Dark Fly Ash Material				590		
5					4		585		
10			Gray Tan Rock Slag		4		580		
15					4		575		
20							570		
25							565		
30							560		
35							555		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-24**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033431.10 ft. EASTING: 1076120.00 ft.

G.S. ELEVATION: 582.2 ft. M.P. ELEV:

WATER: 5 ft. TOTAL DEPTH:6.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
			Fill Material, brick, rock, and wood are all present.				580		
			Dark Fly Ash Material						
5			Fill Material		4		575		
10					2		570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Soil Boring NO: **SB-25**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12

DRILLING COMPANY: SJB

DRILLING EQUIPMENT: Geoprobe

DRILLING METHOD: DP

SAMPLING METHOD: Composite

SURFACE COMPLETION:

NORTHING: 1033528.90 ft. EASTING: 1076093.70 ft.

G.S. ELEVATION: 584.5 ft. M.P. ELEV:

WATER: 9 ft. TOTAL DEPTH:10.0 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 4 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Fill Material consisting of brick, concrete, and crushed rock.				580		
5			Dark Fly Ash Material		4				
10			Blue Rock Slag		4		575		
15					2		570		
20							565		
25							560		
30							555		
35							550		
							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Soil Boring LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Surface Soil Sample NO: **SS-1**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12

DRILLING COMPANY:

DRILLING EQUIPMENT:

DRILLING METHOD:

SAMPLING METHOD: Grab

SURFACE COMPLETION:

NORTHING: 1033114.10 ft. EASTING: 1075931.50 ft.

G.S. ELEVATION: 580.5 ft. M.P. ELEV:

WATER: NA TOTAL DEPTH:0.5 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
			Dark Fly Ash Material				580		
5							575		
10							570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Surface Soil Sample LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

PROJECT: Buffalo Lakeside Commerce Park Operable Unit:01

LOCATION: Buffalo, NY

Surface Soil Sample NO: **SS-2**

New York State Department of Environmental Conservation

STARTED: 9/18/12 COMPLETED: 9/18/12

DRILLING COMPANY:

DRILLING EQUIPMENT:

DRILLING METHOD:

SAMPLING METHOD: Grab

SURFACE COMPLETION:

NORTHING: 1033143.50 ft. EASTING: 1076000.10 ft.

G.S. ELEVATION: 580.4 ft. M.P. ELEV:

WATER: NA TOTAL DEPTH:0.5 ft.

LOGGED BY: MLP CHECKED BY:

HORIZONTAL DATUM: NAD83, COORD. SYS.: NYS Plane, W

VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)	ANALYTICAL SAMPLE	SAMPLE ID
0			Dark Fly Ash Material				580		
5							575		
10							570		
15							565		
20							560		
25							555		
30							550		
35							545		

STANDARD LOG: DPT BORING WITH SAMPLES BLCP.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 11/21/12 REV.

Surface Soil Sample LOG

PROJECT NO. 0897-91667

CDM Smith
11 British American Blvd
Latham NY/ 12180

Soil sample (SB) results in micrograms per kilogram
Groundwater (GW) results in micrograms per liter

BORING #: SB-26

LOG OF BORING

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Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled 7/7/2014 Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/48	0	top soil, fill material		
2	NA	U/K	1-2'		0	brown, fill material some concrete chunks, gravel		
3	NA	U/K	2-3'		0	dark brown fill material some ash, brink		
4	NA	U/K	3-4'		0	dark soil, fill, some brick pieces ash		
5	NA	U/K	4-5'	48/48	0	hard packed, black silty material some brown clay		
6	NA	U/K	5-6'		0	dark silty material, some rock		
7	NA	U/K	6-7'		0	black silty material, moist		
8	NA	U/K	7-8'		0	wet, black silty material		
9	NA	U/K	8-9'	48/24	0	black on outside, brown silty sand inside		
10	SB-01-10-070714	U/K	9-10'		0	wet, black, silty material		

BORING #: SB-27

LOG OF BORING

Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled 7/7/2014 Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/48	0	top soil, brown		
2	NA	U/K	1-2'		0	brown fill material, chunks of concrete		
3	NA	U/K	2-3'		0	brown fill, some wood		
4	NA	U/K	3-4'		0	brown fill, chunks of concrete bluish rock		
5	NA	U/K	4-5'	48/48	0	brown fill, soil some spots of blue fill material, chunks		
6	NA	U/K	5-6'		0	brown soil, hard brown clay		
7	NA	U/K	6-7'		0	brown fill, some black silty material moist		
8	NA	U/K	7-8'		0	brown fill, some brown clay wood chunks		
9	NA	U/K	8-9'	48/24	0	wet, black silty material some brownish material inside		
10	SB-02-10-070714	U/K	9-10'		0	wet, black silty material some brownish material inside		

BORING #: SB-28

LOG OF BORING

Page 1 of 1

Project: Buffalo Lakeside Commerce Park | Location: Buffalo, New York | Permit #:

Date Drilled: 7/7/2014 | Drilling Co.: SJB | Job #: 91667

Total Depth: 10 ft | Method Used: Geoprobe

Inspector: L.Estrada/K. Reepmeyer/A. Rielly | Organic Vapor Inst: Mini Rae - PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/48	0	brown fill, some concrete chunks		
2	NA	U/K	1-2'		0	brown fill, some concrete chunks		
3	NA	U/K	2-3'		0	brown fill material, some brown clay		
4	NA	U/K	3-4'		0	brown fill, broken up concrete brown fill, brick fragments		
5	NA	U/K	4-5'	48/36	0	dark brown clay and fill material with wood fibers		
6	NA	U/K	5-6'		0	brown soil with gray ash, some loose some hardened		
7	NA	U/K	6-7'		0	brown silty material, moist large chunks concrete and rocks		
8	NA	U/K	7-8'		0	No recovery		
9	NA	U/K	8-9'	48/24	0	wet, soupy, brown silty material		
10	SB-03-10-070714	U/K	9-10'		0	blacker material, very wet, chunks of black rock, gravelly		

BORING #: SB-29

LOG OF BORING

Page 1 of 1

Project: Buffalo Lakeside Commerce Park | Location: Buffalo, New York | Permit #:

Date Drilled: 7/7/2014 | Drilling Co.: SJB | Job #: 91667

Total Depth: 10 ft | Method Used: Geoprobe

Inspector: L.Estrada/K. Reepmeyer/A. Rielly | Organic Vapor Inst: Mini Rae - PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/36	0	No recovery		
2	NA	U/K	1-2'		0	brown fill, brick pieces		
3	NA	U/K	2-3'		0	brown fill, brick pieces, bluish colored ash material, purple color chunk of hard material, took piece at 3'		
4	NA	U/K	3-4'		0	brown fill, dry , concrete chunks dry, brownish red gravelly silty material some dark gray hard chunks of material (concrete)		
5	NA	U/K	4-5'	48/48	0	dark brown silty clay with some wood fiber, wet at 5'		
6	NA	U/K	5-6'		0	brown, silty clay, a little gravel		
7	NA	U/K	6-7'		0	dryer, brown silty material some gravel, small pieces of gray concrete, brick dust		
8	NA	U/K	7-8'		0	dark brown gravelly, silty chunks of gray ashy material		
9	NA	U/K	8-9'	48/24	0	brown silty clay, moist		
10	SB-04-10-070714	U/K	9-10'		0	brown silty, some clay, areas of gray concrete chunks and concrete dust bottom 0.5' is primarily brownish silty clay, moist, some gravel		

BORING #: SB-30

LOG OF BORING

Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled 7/7/2014 Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/42	0	No recovery top 6 inches brown fill, root material		
2	NA	U/K	1-2'		0	brown fill, small pieces of orangish concrete/granular material		
3	NA	U/K	2-3'		0	brown fill, rocks		
4	NA	U/K	3-4'		0	3 in. layer of purple sandy material moist brown fill material, some brown clay, rocks, concrete chunks		
5	NA	U/K	4-5'	48/36	0	very wet, brown outside, gray gravelly silty clay inside		
6	NA	U/K	5-6'		0	brown/gray silty clay		
7	NA	U/K	6-7'		0	moist black, gravelly silty material, brick pieces, bottom 0.5' primarily larger chunks of gray rock with silty brown/black material		
8	NA	U/K	7-8'		0	No recovery		
9	NA	U/K	8-9'	48/12	0	No recovery		
10	SB-05-10-070714	U/K	9-10'		0	very wet, soupy, dark brown/black material		

BORING #: SB-31

LOG OF BORING

Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled 7/7/2014 Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/48	0	brown fill, some blue colored rock wood fibers		
2	NA	U/K	1-2'		0	brown fill inside, black ashy material outside, some chunks of white rock material		
3	NA	U/K	2-3'		0	black silty gravel material, some rock		
4	NA	U/K	3-4'		0	dark black, silty, gravelly material with large pieces of wood		
5	NA	U/K	4-5'	48/48	0	dark brown, silty material with some wood fibers, concrete dust		
6	NA	U/K	5-6'		0	dark silty material, gravel		
7	NA	U/K	6-7'		0	dark silty with gravel, wet		
8	NA	U/K	7-8'		0	dark silty with gravel, wet		
9	NA	U/K	8-9'	48/24	0	wet, soupy, dark brown silty some gravel		
10	SB-06-10-070714 + DUP	U/K	9-10'		0	wet, soupy, dark brown silty some gravel		

BORING #: SB-32

LOG OF BORING

Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled 7/72014 Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/48	0	brown fill, some gravel large pieces of concrete		Trouble advancing Geoprobe. Changed loc
2	NA	U/K	1-2'		0	brown/gray granular fill, gravel some brick dust, wood fibers darker gray in color		w/in area
3	NA	U/K	2-3'		0	0.5' of dark, granular fill 0.5' of blue and white granular fill material, chalky		
4	SB-07-03-07072014	U/K	3-4'		0	black and brown granular fill material, some brick dust/pieces, concrete		area of blue/ white dusty material
5	NA	U/K	4-5'	48/48	0	gray ashy material, wet brick layer above moist black granular fill material		Separate sample
6	NA	U/K	5-6'		0	orange colored silty material, moist sawdust/wood material outside black, granular silty material inside		
7	NA	U/K	6-7'		0	black, granular silty material, some rocks, moist		Separate sample
8	NA	U/K	7-8'		0	black, granular silty material, some rocks, moist		
9	NA	U/K	8-9'	48/24	0	black, granular, some gravel, wet some wood fibers		
10	SB-07-10-070714	U/K	9-10'		0	black, granular, some gravel, wet some wood fibers		

BORING #: SB-33

LOG OF BORING

Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled 7/7/2014 Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/36	0	No recovery		
2	NA	U/K	1-2'		0	brown fill, some gravel, moist		
3	NA	U/K	2-3'		0	brown fill, some gravel, silty		
4	NA	U/K	3-4'		0	brown fill, some gravel, silty		
5	SB-08-04-070714	U/K	4-5'	48/48	0	brown silty, some brown clay		
6	NA	U/K	5-6'		0	brown granular fill, some concrete pieces		
7	NA	U/K	6-7'		0	concrete pieces, 0.5' of gray hard material, looks porous, blue streaks on outside white dusty material (similar to SB-07)		
8	NA	U/K	7-8'		0	wet, gray concrete chunks slag		
9	NA	U/K	8-9'	48/0	0	No recovery		
10	NA	U/K	9-10'		0	No recovery		

BORING #: SB-34

LOG OF BORING

Page 1 of 1

Project: Buffalo Lakeside Commerce Park | Location: Buffalo, New York | Permit #:

Date Drilled: 7/8/2014 | Drilling Co.: SJB | Job #: 91667

Total Depth: 10 ft | Method Used: Geoprobe

Inspector: L.Estrada/K. Reepmeyer/A. Rielly | Organic Vapor Inst: Mini Rae - PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/36	0	topsoil, brown		sample is a mix, rest of boring was primarily gravelly wood and brick pieces
2	NA	U/K	1-2'		0	topsoil, brown		
3	SB-09-04-07082014A	U/K	2-3'		0	hard packed, brown topsoil, some brown clay, concrete pieces		
4	NA	U/K	3-4'		0	No recovery		
5	NA	U/K	4-5'	48/36	0	No recovery		
6	NA	U/K	5-6'		0	brown fill, lots of wood fibers, some brick pieces		
7	NA	U/K	6-7'		0	brown fill, moist, lots of wood pieces brick chunks		
8	NA	U/K	7-8'		0	brown fill, moist, lots of wood pieces brick chunks		
9	NA	U/K	8-9'	48/12	0	gravel with silty, wet, brick pieces wood fibers		
10	NA	U/K	9-10'		0	No recovery		

BORING #: SB-35

LOG OF BORING

Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled 7/8/2014 Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/36	0	brown soil, wood chunks		
2	NA	U/K	1-2'		0	brown fill, some gravel black chunks (charcoal like)		
3	NA	U/K	2-3'		0	brown fill, some concrete chunks rocks		
4	NA	U/K	3-4'		0	No recovery		
5	NA	U/K	4-5'	48/48	0	brown fill, gravel, large pieces of concrete/brick, some small gravel		
6	NA	U/K	5-6'		0	wet, brown, silty, some small gravel		
7	NA	U/K	6-7'		0	wet, brown, silty, some small gravel		
8	NA	U/K	7-8'		0	wet, brown, silty, some small gravel		
9	NA	U/K	8-9'	48/18	0	silty with gravel, dark brown		
10	SB-10-10-070814A +MS/MSD S	U/K	9-10'		0	silty with gravel, dark brown		

BORING #: SB-36

LOG OF BORING

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Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled 7/8/2014 Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/48	0	brown silty with brick pieces some light brown sand, brown clay		
2	NA	U/K	1-2'		0	moist, brown sand, brick pieces outside		
3	NA	U/K	2-3'		0	dark brown fill/soil with some concrete pieces		
4	NA	U/K	3-4'		0	brown sand, brick dust/pieces hard gray clay, bottom 4 inches		
5	NA	U/K	4-5'	48/36	0	orange brick pieces, dust		
6	NA	U/K	5-6'		0	concrete chunks, wet, black silty with wood fibers, some gravel		
7	NA	U/K	6-7'		0	silty gravel, wet, gray		
8	NA	U/K	7-8'		0	No recovery		
9	NA	U/K	8-9'	48/24	0	loose, wet gravel		
10	SB-11-10-070814 + DUP	U/K	9-10'		0	wet, gravel, black-gray		

BORING #: SB-37

LOG OF BORING

Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled 7/8/2014 Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/36	0	topsoil, grass, some brown clay		
2	NA	U/K	1-2'		0	brown fill, some gravel		
3	NA	U/K	2-3'		0	brown fill, some gravel bottom 6 inches, light brown sand		
4	NA	U/K	3-4'		0	No recovery		
5	NA	U/K	4-5'	48/36	0	brown fill, some gravel, dry		
6	NA	U/K	5-6'		0	wet, dark brown silty, lots of wood chunks, large rocks		
7	NA	U/K	6-7'		0	wet, gravelly, silty, dark brown bottom 3 inches gray concrete dust		
8	NA	U/K	7-8'		0	No recovery		
9	NA	U/K	8-9'	48/24	0	wet, silty gravel, dark brown		
10	SB-12-10-070814	U/K	9-10'		0	wet, silty, gravel, dark brown some concrete chunks at bottom 2 in.		

BORING #: SB-38

LOG OF BORING

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Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/36	0	brown fill, some bluish concrete chunks		
2	NA	U/K	1-2'		0	brown granular fill, some gravel		
3	NA	U/K	2-3'		0	harder packed brown fill some charcoal at bottom 2 inches		
4	NA	U/K	3-4'		0	No recovery		
5	NA	U/K	4-5'	48/36	0	brown fill, loose, some gravel		
6	NA	U/K	5-6'		0	blue/gray concrete chunks slag, some brick dust		
7	NA	U/K	6-7'		0	moist, brown, gravelly some gray concrete chunks		
8	NA	U/K	7-8'		0	No recovery		
9	SB-13-08-070814	U/K	8-9'	48/12	0	wet, dark brown, gravelly with some silt, large rocks		Very gravelly, difficult to take sample
10	NA	U/K	9-10'		0	No recovery		

BORING #: SB-39

LOG OF BORING

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Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled 7/8/2014 Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/36	0	moist, brown fill, some large rock gravel		
2	NA	U/K	1-2'		0	dark brown topsoil/fill, loose		
3	NA	U/K	2-3'		0	dark brown fill, some lighter orange sand, little gravel, loose		
4	NA	U/K	3-4'		0	No recovery		
5	NA	U/K	4-5'	48/12	0	moist, dark brown fill/topsoil some concrete chunks, wood pieces		
6	NA	U/K	5-6'		0	No recovery		
7	NA	U/K	6-7'		0	No recovery		
8	NA	U/K	7-8'		0	No recovery		
9	NA	U/K	8-9'	48/24	0	soupy, wet, brown silty material some large concrete chunks, gravel		
10	SB-14-10-070814	U/K	9-10'		0	soupy, wet, brown silty material some large concrete chunks, gravel		

BORING #: SB-40

LOG OF BORING

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Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled 7/8/2014 Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/42	0	brown fill/soil, some gravel		
2	NA	U/K	1-2'		0	brown fill/soil, some gravel		
3	NA	U/K	2-3'		0	brown fill, saw dust		
4	NA	U/K	3-4'		0	brown, silty with brown clay, moist No recovery bottom 6 inches		
5	NA	U/K	4-5'	48/48	0	brown, silty with some wood chips		
6	NA	U/K	5-6'		0	blackish brown, moist, silty with some small gravel		
7	NA	U/K	6-7'		0	moist, black/dark gray silty material some gravel		
8	NA	U/K	7-8'		0	wet, dark gray, silty, some concrete chunks		
9	SB-15-08-070814	U/K	8-9'	48/12	0	wet, dark gray, silty, little gravel		
10	NA	U/K	9-10'		0	No recovery		

BORING #: SB-41

LOG OF BORING

Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:

Date Drilled 7/8/2014 Drilling Co.: SJB Job #: 91667

Total Depth 10 ft Method Used: Geoprobe

Inspector L.Estrada/K. Reepmeyer/A. Rielly Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
1	NA	U/K	0-1'	48/48	0	brown soil fill, wood particles		
2	NA	U/K	1-2'		0	brown soil fill, some sawdust some blue and purple rocks and dust		
3	NA	U/K	2-3'		0	dark brown silty with some gravel, loose		
4	NA	U/K	3-4'		0	dark brown silty with some gravel, loose		
5	NA	U/K	4-5'	48/48	0	loose, dry dark brown silty soil, some specks of blue rock		
6	NA	U/K	5-6'		0	wet, brown silty with gravel, wood chunks		
7	NA	U/K	6-7'		0	wet, lots of wood fibers dark gray silty granular material some white colored concrete fragments		
8	NA	U/K	7-8'		0	wet, dark gray/black, silty with large chunks of both silvery and light brown		
9	NA	U/K	8-9'	48/24	0	dark gray, black, silty with small gravel, wet		
10	SB-16-10-070814	U/K	9-10'		0	dark gray, silty, some gray clay, wet		

LOG OF BORING

BORING #: SB-42

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Project: Buffalo Lakeside Commerce Park | Location: Buffalo, New York | Permit #:

Date Drilled: 11/10/2014 | Drilling Co./Driller: SBJ/ Randy Steiner | Job #: 91667

Total Depth: 19 ft | Method Used: Geoprobe

Inspector: David Lakins | Organic Vapor Inst: Mini Rae-PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	In Situ Test	Sample Description	Strata Change	Remarks (time)
1–4	SB-01_0-4	U/K	0-4'	48/44	1.2	2-40" 40-48"	2" Top soil Brown/iron colored, medium fine sand Some m.f. gravel Gray clay, some m.f. sand and little m.f. gravel		PID reading from moisture
5–8	SB-01_4-8	U/K	4-8'	48/36	1.6		Gray clay, little m.f. sand Trace m.f. gravel Water at approx. 6'		
9–12	SB-01_8-12	U/K	8-12'	48/28	2.4		Gray clay, little m.f. sand Little m.f. gravel		
13–16	SB-01_12-16	U/K	12-16'	48/32	0.6	14-16'	Black fines (soot)		
17–20	SB-01_16-20	U/K	16-20'	48/24	0		Black fines (soot) Refusal at 19'		

BORING #: SB-43

LOG OF BORING

Page 1 of 1

Project Buffalo Lakeside Commerce Park | Location Buffalo, New York | Permit #:

Date Drilled 11/10/2014 | Drilling Co./Driller: SBJ/ Randy Steiner | Job #: 91667

Total Depth 20 ft | Method Used: Geoprobe

Inspector David Lakins | Organic Vapor Inst: Mini Rae-PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	In Situ Test	Sample Description	Strata Change	Remarks (time)
1–4	SB-02_0-4	U/K	0-4'	48/46	1.4		0-6' top soil Gray clay, little f.m. sand, Little f.m. gravel		PID reading maybe from moisture
5–8	SB-02_4-8	U/K	4-8'	48/36	1.8		Gray clay, little f.m. sand Little f.m. gravel water at approx. 7'		
9–12	SB-02_8-12	U/K	8-12'	48/36	1.3		Gray clay, little f.m. sand Little f.m. gravel		
13–16	SB-02_12-16	U/K	12-16'	48/32	2	15.5-16'	Same soil down to 15.5' Gray clay, trace m.f.sand Trace m.f. grvael		
17–20	SB-02_16-20	U/K	16-20'	48/46	1.5	16-19' 19-20'	Same soil Black fines (soot)		

BORING #: SB-44

LOG OF BORING

Page 1 of 1

Project Buffalo Lakeside Commerce Park | Location Buffalo, New York | Permit #:

Date Drilled 11/10/2014 | Drilling Co./Driller: SBJ/ Randy Steiner | Job #: 91667

Total Depth 8 ft | Method Used: Geoprobe

Inspector David Lakins | Organic Vapor Inst: Mini Rae-PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	In Situ Test	Sample Description	Strata Change	Remarks (time)
1 2 3 4	SB-03_0-4	U/K	0-4'	48/46	0.2		0-6" top soil Black fines (soot), some m.f. sand Black fines to 5" 5-6" gray m.f. sand, some m.f. gravel		
5 6 7 8	SB-03_4-8	U/K	4-8'	24/24	0		Refusal at 6' -- third location SBJ got refusal, talked with A. Picunas about issue		

CDM Smith

LOG OF BORING

BORING #: SB-45

Page 1 of 1

Project: Buffalo Lakeside Commerce Park | Location: Buffalo, New York | Permit #:

Date Drilled: 11/10/2014 | Drilling Co./Driller: SBJ/ Randy Steiner | Job #: 91667

Total Depth: 12 ft | Method Used: Geoprobe

Inspector: David Lakins | Organic Vapor Inst: Mini Rae-PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	In Situ Test	Sample Description	Strata Change	Remarks (time)
1	SB-04_0-4	U/K	0-4'	48/46	0.2		4" top soil Black fines (soot)		
2									
3									
4									
5	SB-04_4-8	U/K	4-8'	48/46	0		Black fines to 6.5' (soot) 6" clay, m.f. gravel, little m.f. sand Black fines from 7-8' Water at approx. 7'		
6									
7									
8									
9	SB-04_8-12	U/K	8-12'	48/40	0		6" lense of gray clay 10-10.5' Black fines at 12' Refusal at 12', gray gravel at bottom		
10									
11									
12									

LOG OF BORING

BORING #: SB-46

Page 1 of 1

Project: Buffalo Lakeside Commerce Park | Location: Buffalo, New York | Permit #:

Date Drilled: 11/10/2014 | Drilling Co./Driller: SBJ/ Randy Steiner | Job #: 91667

Total Depth: 20 ft | Method Used: Geoprobe

Inspector: David Lakins | Organic Vapor Inst: Mini Rae-PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	In Situ Test	Sample Description	Strata Change	Remarks (time)
1	SB-05_0-4	U/K	0-4'	48/46	0.2		4" top soil Brown/gray debris (brick and concrete pieces) clay and m.f. sand		
5	SB-05_4-8	U/K	4-8'	48/24	0.8		Brown/gray clay and m.f. sand Some wood derbris Water at approx. 7'		
9	SB-05_8-12	U/K	8-12'	48/6	0.6		Black fines (soot) with wood debris Brick pieces		
13	SB-05_12-16	U/K	12-16'	48/46	0		Black fines (soot)		
17	SB-05_16-20	U/K	16-20'	48/30	0		Black fines (soot) 19' 19-20' gray clay, trace fine sand		

LOG OF BORING

BORING #: SB-47

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Project: Buffalo Lakeside Commerce Park | Location: Buffalo, New York | Permit #:

Date Drilled: 11/10/2014 | Drilling Co./Driller: SBJ/ Randy Steiner | Job #: 91667

Total Depth: 20 ft | Method Used: Geoprobe

Inspector: David Lakins | Organic Vapor Inst: Mini Rae-PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	In Situ Test	Sample Description	Strata Change	Remarks (time)
1	SB-06_0-4	U/K	0-4'	48/10	0		4" top soil brown/gray clay, some m.f. sand brick debris		
2									
3									
4									
5	SB-06_4-8	U/K	4-8'	48/8	0		Gray/black clay, brick debris		
6									
7									
8									
9	SB-06_8-12	U/K	8-12'	48/24	0		Black fines (soot), trace wood debris water at approx. 8'		
10									
11									
12									
13	SB-06_12-16	U/K	12-16'	48/24	0		Black fines (soot)		
14									
15									
16									
17	SB-06_16-20	U/K	16-20'	48/24	0		Black fines (soot) to 19' 19-20' gray clay, trace fine sand		
18									
19									
20									

LOG OF BORING

BORING #: SB-48

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Project: Buffalo Lakeside Commerce Park | Location: Buffalo, New York | Permit #:

Date Drilled: 11/11/2014 | Drilling Co./Driller: SBJ/ Randy Steiner | Job #: 91667

Total Depth: 20 ft | Method Used: Geoprobe

Inspector: David Lakins | Organic Vapor Inst: Mini Rae-PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	In Situ Test	Sample Description	Strata Change	Remarks (time)
1–4	SB-07_0-4	U/K	0-4'	48/44	0	0-4" 4-10" 10-48"	4" top soil 6" brown c.m.f. sand and some m.f. gravel 10" black fines (soot)		MS/MSD SO-07-1114_4-8
5–8	SB-07_4-8	U/K	4-8'	48/48	0	4-5' 5-8'	Black fines (soot) 4-5' 3' of gray clay, some m.f. sand Trace m.f. gravel, 5-8' water at approx. 7'		
9–12	SB-07_8-12	U/K	8-12'	48/48	0		Gray clay, some m.f. sand Trace m.f. gravel		
13–16	SB-07_12-16	U/K	12-16'	48/18	0		Black fines (soot)		
17–20	SB-07_16-20	U/K	16-20'	48/18	0		Gray clay, trace fine sand Trace fine gravel		

LOG OF BORING

BORING #: SB-49

Page 1 of 1

Project: Buffalo Lakeside Commerce Park | Location: Buffalo, New York | Permit #:

Date Drilled: 11/11/2014 | Drilling Co./Driller: SBJ/ Randy Steiner | Job #: 91667

Total Depth: 20 ft | Method Used: Geoprobe

Inspector: David Lakins | Organic Vapor Inst: Mini Rae-PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	In Situ Test	Sample Description	Strata Change	Remarks (time)
1–4	SB-08_0-4	U/K	0-4'	48/46	0		6" of top soil 18" of brown f.m. sand, f.m. gravel Black fines (soot)		
5–8	SB-08_4-8	U/K	4-8'	48/48	0		Black fines (soot), odor no PID Soot lense of gray m.f. sand, some m.f. gravel 6-8'		
9–12	SB-08_8-12	U/K	8-12'	48/48	0		8-10' gray m.f. sand, and gray clay, Trace m.f. gravel 10-12' black fine (soot) Water at approx. 10'		
13–16	SB-08_12-16	U/K	12-16'	48/40	0		12-14' gray m.f. sand, and gray clay Trace m.f. gravel 14-16' black fines (soot) 16-20' black fines (soot)		
17–20	SB-08_16-20	U/K	16-20'	48/24	0		Gray clay, trace fine sand Trace fine gravel		

LOG OF BORING

BORING #: SB-50

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Project: Buffalo Lakeside Commerce Park | Location: Buffalo, New York | Permit #:

Date Drilled: 11/11/2014 | Drilling Co./Driller: SBJ/ Randy Steiner | Job #: 91667

Total Depth: 20 ft | Method Used: Geoprobe

Inspector: David Lakins | Organic Vapor Inst: Mini Rae-PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	In Situ Test	Sample Description	Strata Change	Remarks (time)
1–4	SB-09_0-4	U/K	0-4'	48/30	0		4" of top soil Brown clay, little m.f. sand Little m.f. gravel		
5–8	SB-09_4-8	U/K	4-8'	48/46	0		Black fines (soot), slight odor, no PID Water approx. at 8'		
9–12	SB-09_8-12	U/K	8-12'	48/42	0		Gray m.f. snd, some m.f. gravel		
13–16	SB-09_12-16	U/K	12-16'	48/24	0		Black fines (soot) down to 18.5'		
17–20	SB-09_16-20	U/K	16-20'	48/40	0	18.5-20'	Gray clay, trace fine sand Trace fine gravel		

BORING #: SB-51

LOG OF BORING

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Project Buffalo Lakeside Commerce Park | Location Buffalo, New York | Permit #:

Date Drilled 11/11/2014 | Drilling Co./Driller: SBJ/ Randy Steiner | Job #: 91667

Total Depth 20 ft | Method Used: Geoprobe

Inspector David Lakins | Organic Vapor Inst: Mini Rae-PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	In Situ Test	Sample Description	Strata Change	Remarks (time)
1	SB-09_0-4	U/K	0-4'	48/30	0	2-12"	2" of top soil Gray m.f. sand, some m.f. gravel Black fines (soot)		SO-BD-01_0-4
2									
3									
4									
5	SB-09_4-8	U/K	4-8'	48/44	0		Black fines (soot)		
6									
7									
8									
9	SB-09_8-12	U/K	8-12'	48/40	0		Black fines (soot) Water at approx. 10'		
10									
11									
12									
13	SB-09_12-16	U/K	12-16'	48/20	0		Black fines (soot), little gravel		
14									
15									
16									
17	SB-09_16-20	U/K	16-20'	48/28	0		Black fines, little fine gravel		
18									
19									
20							19.5-20' gray/black clay, some m.f. sand Trace fine gravel		

LOG OF BORING

BORING # SB-52
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 5/26/2015
Drilling Co.: SJB
Total Depth: 20 ft
Method Used: Hollow Stem Auger
Inspector: K. Reepmeyer
Organic Vapor Inst: Mini Rae - PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-52-0-4	U/K	0-4'	48/30	4.4	soil and fill material clay with small white spheres brown-gray moist clay		
8	SB-52-4-8	U/K	4-8'	48/36	4.7	dry soil with fill brown clay with large rocks wet, brown clay with smal rocks-asphalt		
12	SB-52-8-12	U/K	8-12'	48/39	4.0	small stones, wet wet, brown-gray clay with red brick fill, some small crystalline particles, gray in color		
16	SB-52-12-16	U/K	12-16'	48/48	5.2	small rock slough 1.25-1.75': clay and small rocks with black liquid 1.75-2.25': dark stained clay 2.25-4': hard, cohesive gray clay - wet outside		
20	SB-52-16-20	U/K	16-20'	48/48	6.7	small stone slough, stained black gray clay, black liquid (oil?) 1.25-2.5': hard gray clay red-brown hard clay red-brown hard clay		

LOG OF BORING

BORING # SB-53A
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 5/26/2015
Drilling Co.: SJB
Total Depth: 8 ft
Method Used: Hollow Stem Auger
Inspector: K. Reepmeyer
Organic Vapor Inst: Mini Rae - PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-53-0-4	U/K	0-4'	48/36	6.9	brown, dry soil dark brown dry clay, silty rocky dry fill material		sample collected from initial location SB-53
8	SB-53-4-8	U/K	4-8'	48/48	7.7	hard gray clay and fill to 1.5' silty gray clay with small stones dark gray stained clay with silt silty gray clay		hit refual at initial location 3 times, moved to location 53A, equidistant bw light poles 2 and 3
12	NA	U/K	8-12'	NA	NA	**hit refusal at 8.25 ft		
16	NA	U/K	12-16'	NA	NA			
20	NA	U/K	16-20'	NA	NA			

LOG OF BORING

BORING # SB-54
Page 1 of 1

Project Buffalo Lakeside Commerce Park | Location Buffalo, New York | Permit #:
Date Drilled 5/26/2015 | Drilling Co.: SJB | Job #: 91667
Total Depth 2.25 ft | Method Used: Hollow Stem Auger
Inspector K. Reepmeyer/A. Rielly | Organic Vapor Inst: Mini Rae - PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-54-0-4	U/K	0-4'	48/27		top soil and small stones top 0.5 ft, dark brown soil 0.5-1 ft dark silty soil with red tinge on outside 1.75-2.25': gray soil and silty with some rocks ** hit refusal at 3.5 ft		
8	NA	U/K	4-8'	NA				
12	NA	U/K	8-12'	NA				
16	NA	U/K	12-16'	NA				
20	NA	U/K	16-20'	NA				

LOG OF BORING

BORING # SB-55
Page 1 of 1

Project: Buffalo Lakeside Commerce Park | Location: Buffalo, New York | Permit #:
Date Drilled: 5/26/2015 | Drilling Co.: SJB | Job #: 91667
Total Depth: 20 ft | Method Used: Hollow Stem Auger
Inspector: K. Reepmeyer | Organic Vapor Inst: Mini Rae - PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-55-0-4	U/K	0-4'	48/42	4.0	small pieces of fill and concrete crushed stone and rock slag large stones with light gray silty material; blue color 2.75-3.25' crushed stone and dark black fill 3.25-3.5'		
8	SB-55-4-8	U/K	4-8'	48/45	3.6	slough dark brown, moist soil with wood pieces dark brown soil with some gray clay gray, moist, silty clay		
12	SB-55-8-12	U/K	8-12'	48/48	3.5	slough hard, gray clay, silty and moist on the outside hard, gray clay, silty and moist on the outside hard, gray clay, silty and moist on the outside		
16	SB-55-12-16	U/K	12-16'	48/48	2.8	slough top 0.5', hard gray clay hard gray clay, moist outside 2.5-4': very sticky gray clay, wet		
20	SB-55-16-20	U/K	16-20'	48/48	0	0-1.5: slough wet, sticky clay, very liquid with some large rocks wet, sticky clay, very liquid with some large rocks wet, sticky clay, very liquid with some large rocks		

LOG OF BORING

BORING # SB-56
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 5/26/2015
Drilling Co.: SJB
Total Depth: 17 ft
Method Used: Hollow Stem Auger
Inspector: K. Reepmeyer
Organic Vapor Inst: Mini Rae - PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-56-0-4	U/K	0-4'	48/33	6.0	brown, gravelly fill large gravel, wet gravel with white liquid, blue-gray large gravel bottom 0.25'		
8	SB-56-4-8	U/K	4-8'	48/48	3.9	slough to 1.5' brown, moist soil with wood pieces brown soil with gray, moist, silty clay brown soil with gray, moist, silty clay		
12	SB-56-8-12	U/K	8-12'	48/48	4.1	slough to 0.5' gray, hard clay, moist gray, hard clay, moist gray, hard clay, moist		
16	SB-56-12-16	U/K	12-16'	48/48	4.4	slough to 0.5' gray, moist silty clay, hard mushy gray clay, silty mushy gray clay, silty		
20	NA	U/K	16-20'	48/10	NA	all slough, less than 1 ft recovery		

LOG OF BORING

BORING # SB-57
Page 1 of 1

Project Buffalo Lakeside Commerce Park | Location Buffalo, New York | Permit #:
Date Drilled 5/27/2015 | Drilling Co.: SJB | Job #: 91667
Total Depth 20 ft | Method Used: Hollow Stem Auger
Inspector K. Reepmeyer | Organic Vapor Inst: Mini Rae - PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-57-0-4	U/K	0-4'	48/36	0.0	dark brown soil, silty dark brown soil, silty blue gray stone 2-2.5', gray and brown moist clay 2.5-3.0'		
8	SB-57-4-8	U/K	4-8'	48/42	2.7	slough, gray clay with some blue streaks gray, thin rocks in dry silty gray clay gray, moist clay with stones wet, gray clay with thin rocks, small stone 2.75-3.5'		
12	SB-57-8-12	U/K	8-12'	48/33	0.4	slough to 0.5', wet, dark brown silty soil with stones red brick fill, wet dark brown silty soil dark brown, moist, cohesive clay		
16	SB-57-12-16	U/K	12-16'	48/39	0.5	slough to 0.5', silty gray wet clay very hard, light brown, silty clay very hard, light brown, silty clay		
20	SB-57-16-20	U/K	16-20'	48/48	0	slough to 0.5', hard, light brown, wet clay hard, light brown, wet clay hard, light brown, wet clay to 2.5', gray, softer wet clay softer, gray clay, some black silty material, stones, mushy gray clay		

LOG OF BORING

BORING # SB-58
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 5/27/2015
Drilling Co.: SJB
Total Depth: 20 ft
Method Used: Hollow Stem Auger
Inspector: K. Reepmeyer
Organic Vapor Inst: Mini Rae - PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
	SB-58-0-4	U/K	0-4'	48/48	1.0	fill, gravel and shale fill, gravel and shale fill, gravel and shale silty, dark brown clay, soft and brittle		
4								
	SB-58-4-8	U/K	4-8'	48/36	0.8	slough to 0.75', soft, brown, moist clay hard, moist, brown clay with small fill and red brick fill hard, silty dark brown clay 2.5-3.0'		
8								
	SB-58-8-12	U/K	8-12'	48/36	0.8	sticky, brown clay with gravel and fill cohesive, brown, moist clay, dark brown with crystalline rocks silty, dark brown, moist clay		
12								
	SB-58-12-16	U/K	12-16'	48/36	0.8	very wet, light brown moist, hard silty clay with gray striations light brown moist, hard silty clay with gray striations light brown moist, hard silty clay with gray striations		
16								
	SB-58-16-20	U/K	16-20'	48/48	0.8	slough and water with clay chunks wet, gray, silty clay wet, gray, silty clay wet, gray, silty clay		
20								

LOG OF BORING

BORING # SB-59
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 5/27/2015
Drilling Co.: SJB
Total Depth: 20 ft
Method Used: Hollow Stem Auger
Inspector: K. Reepmeyer
Organic Vapor Inst: Mini Rae - PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-59-0-4	U/K	0-4'	48/36	1.7	brittle, dark brown dry soil with fill material light brown clay, silty, some fill material, red brick, gravel light brown clay, silty and brittle		
8	NA	U/K	4-8'	48/24		slough to 0.5', wet fill/gravel beige, hard rock-like material with hatching, small black and beige rock		
12	SB-59A-8-12	U/K	8-12'	48/27	2.2	black, gravelly, white flaky material black, gold flaky material, brown-gray silty clay		hit refusal, relocated to loc 59A approx 10 ft west
16	SB-59A-12-16	U/K	12-16'	48/48	2.5	slough, gravel and fill material light brown, silty clay with gray striations to 2.5' gray clay with light brown striations, hard silty and wet outside gray clay with light brown striations, hard silty and wet outside, more mushy		
20	SB-59-16-20	U/K	16-20'	48/42	2.5	wet, crushed fill and gravel hard, wet, gray clay hard, wet, gray clay		

LOG OF BORING

BORING # SB-60
Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:
Date Drilled 5/27/2015 Drilling Co.: SJB Job #: 91667
Total Depth 6ft Method Used: Hollow Stem Auger
Inspector K. Reepmeyer Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-60-0-4	U/K	0-4'	48/36	3.6	brown soil with fill material and large chunks of fill brown soil with fill material and large chunks of fill gray, dry, silty clay with chunks of fill material		
8	SB-60-4-8	U/K	4-8'	48/30	NA	black, wet chunks of fill with gravel, black liquid from wet, silty soil		hit refusal at 6 ft, relocated multiple times and still met refusal
12	NA	U/K	8-12'	NA	NA			
16	NA	U/K	12-16'	NA	NA			
20	NA	U/K	16-20'	NA	NA			

LOG OF BORING

BORING # SB-61
Page 1 of 1

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Permit #:
Date Drilled: 5/27/2015
Drilling Co.: SJB
Job #: 91667
Total Depth: 20 ft
Method Used: Hollow Stem Auger
Inspector: K. Reepmeyer
Organic Vapor Inst: Mini Rae - PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-61-0-4	U/K	0-4'	48/45	10.3	top soil with brick fill, concrete brown, dry soil with fill, concrete some red brick, brown soil with large rocks and black fill, gravel gravel, hard dry gray clay with shale, black fill with rock		
8	SB-61A-4-8	U/K	4-8'	48/24	5.6	dark brown/black soil gravel and shale, wet brown/black silty sand with stone		hit refusal at at 7ft, relocated aprox 15 ft south to location SB-61A
12	SB-61A-8-12	U/K	8-12'	48/21	5.0	dark brown, wet sand on gravel fill black, dry, silty soil, wet on outside		Many voids per driller
16	SB-61A-12-16	U/K	12-16'	48/48	0.2	slough to 0.5 ft, very soft, wet, black clay and silt wet, dark brown, silty clay gray, silty clay to light brown clay with gray striations light brown clay with gray striations, silty and dry		
20	SB-61-16-20	U/K	16-20'	48/36	4.3	slough, gray silty clay gray, silty clay light brown and gray silty clay		

LOG OF BORING

BORING # SB-62
Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:
Date Drilled 5/27/2015 Drilling Co.: SJB Job #: 91667
Total Depth 20 ft Method Used: Hollow Stem Auger
Inspector K. Reepmeyer Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-62-0-4	U/K	0-4'	48/24	7.1	top soil, cark brown, dry soil with reflective specks dry, gray, silty clay, crumbly; wood chunks in brown clay, black rocks 1.7-2.0 ft		
8	SB-62-4-8	U/K	4-8'	48/36	4.6	slough black stained wood pieces, dark brown wet sand, some black plastic black, very wet, silty sand		
12	SB-62-8-12	U/K	8-12'	48/30	0.0	slough to 0.5'; black, silty, wet sand with small stones black, silty, wet sand with small stones to dark brown silty clay dark brown, silty clay, some black staining		
16	SB-62-12-16	U/K	12-16'	48/33	0.0	black silt with small stones; mushy, dark brown, wet silty clay hard, gray clay, silty, moist outside hard, light brow clay, cohesive, silty, moist outside		+MS/MSD
20	SB-62-16-20	U/K	16-20'	48/36		gray and light brown clay, wet outside gray and light brown clay, wet outside gray and light brown clay, wet outside		

LOG OF BORING

BORING # SB-63
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 5/28/2015
Drilling Co.: SJB
Total Depth: 20 ft
Method Used: Hollow Stem Auger
Inspector: J. Stuart
Organic Vapor Inst: Mini Rae - PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-63-0-4	U/K	0-4'	48/36	0.0	dry topsoil slag pieces, light brown masonry, bluish slag material, dry slag pieces, light brown masonry, bluish slag material, dry		
8	SB-63-4-8	U/K	4-8'	48/42	0.0	wet, brown, gravel and slag wet, dark brown, coarse sand, light brown masonry layer wet, dark brown, coarse sand, light brown masonry layer wet, dark brown, coarse sand, light brown masonry layer		
12	SB-63-8-12	U/K	8-12'	48/48	0.0	dark brown, coarse, gravelly, wet dark brown, coarse, wet gray clay black shale		
16	SB-63-12-16	U/K	12-16'	48/36	0.0	wet sand wet sand peat like to brown clay		
20	SB-63-16-20	U/K	16-20'	48/48	0.0	brown, silty clay brown, silty clay gray, silty clay, stiff gray, silty clay, stiff		

LOG OF BORING

BORING # SB-64
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 5/28/2015
Drilling Co.: SJB
Total Depth: 20 ft
Method Used: Hollow Stem Auger
Inspector: J. Stuart
Organic Vapor Inst: Mini Rae - PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-64-0-4	U/K	0-4'	48/30	0.6	top soil with slag slag pieces, gravel, silt, dry slag pieces, gravel, silt, dry		
8	SB-64A-4-8	U/K	4-8'	48/48	0.5	dark brown, gravelly, slag pices, silty, dry slag pieces, some gravel, sulfur odor slag pieces, some gravel, sulfur odor slag pieces, some gravel, sulfur odor		refusal at 4.5 ft bgs; moved to location 64A approx. 10 ft north
12	SB-64-8-12	U/K	8-12'	48/48	0.6	wet, black, slag material, some gravel wet, black, slag material, some gravel wet, black, slag material, some gravel brown, silty clay, some gray color		
16	SB-64-12-16	U/K	12-16'	48/48	0.2	gray/brown silty clay gray/brown silty clay stiff gray/brown clay stiff gray/brown clay		
20	SB-64-16-20	U/K	16-20'	48/48	0.2	stiff gray/brown clay stiff gray/brown clay stiff gray/brown clay stiff gray/brown clay		

LOG OF BORING

BORING # SB-65
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 5/28/2015
Drilling Co.: SJB
Total Depth: 20 ft
Method Used: Hollow Stem Auger
Inspector: J. Stuart
Organic Vapor Inst: Mini Rae - PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
	SB-65-0-4	U/K	0-4'	48/36	1.2	light brown top soil with 3 inch masonry layer at bottom dry, brown sand and silt slag pieces dry, brown sand and silt slag pieces dry, brown sand and silt slag pieces		
4								
	SB-65-4-8	U/K	4-8'	48/48	0.9	brown sand and silt, slag, masonry debris, dry moist, silty, slag, masonry debris moist, silty, slag, masonry debris moist, silty, slag, masonry debris		
8								
	SB-65-8-12	U/K	8-12'	48/24	1.2	wet, black, slag material wet, black, slag material		only sampled reactive CN
12								
	SB-65-12-16	U/K	12-16'	48/36	0.9	moist, brown, silty gray/brown silt clay to stiff brown clay stiff brown clay, some gray color		
16								
	SB-65-16-20	U/K	16-20'	48/42	0.7	stiff brown/gray clay stiff brown/gray clay stiff brown/gray clay stiff brown/gray clay		
20								

LOG OF BORING

BORING # SB-66
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 5/28/2015
Drilling Co.: SJB
Total Depth: 20 ft
Method Used: Hollow Stem Auger
Inspector: J. Stuart
Organic Vapor Inst: Mini Rae - PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-66-0-4	U/K	0-4'	48/36	0.9	top soil with silt/sand, slag pieces, masonry debris top soil with silt/sand, slag pieces, masonry debris dark gray/brown mulch		
8	SB-66-4-8	U/K	4-8'	48/36	1.2	silty sand, slag moist, dark chunks of slag with light brown and gray resin		
12	SB-66-8-12	U/K	8-12'	48/12	1.0	wet, black, slag chunks, sulfur odor		only sampled reactive CN
16	SB-66-12-16	U/K	12-16'	48/48	0.9	gray, silty fine sand gray silty sand to brown/gray silty clay brown/gray silty clay		
20	SB-66-16-20	U/K	16-20'	48/36	0.8	stiff brown/gray clay stiff brown/gray clay stiff brown/gray clay		

LOG OF BORING

BORING # SB-67
Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:
Date Drilled 5/28/2015 Drilling Co.: SJB Job #: 91667
Total Depth 20 ft Method Used: Hollow Stem Auger
Inspector J. Stuart Organic Vapor Inst: Mini Rae - PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-67-0-4	U/K	0-4'	48/48	3.0	topsoil with slag dark gray, grainy, slag and masonry debris, gravel dark gray, grainy, slag and masonry debris, gravel dark gray, grainy, slag and masonry debris, gravel		+DUP
8	SB-67-4-8	U/K	4-8'	48/33	2.4	wet, dark gray, slag wet, dark gray, slag wet, dark gray, slag		
12	SB-67-8-12	U/K	8-12'	48/33	1.6	wet, dark gray, slag, oil sheen peat-like peat-like to gray, sandy clay		+MS/MSD
16	SB-67-12-16	U/K	12-16'	48/42	1.1	sandy, gray clay stiff gray/brown clay stiff gray/brown clay stiff gray/brown clay		
20	SB-67-16-20	U/K	16-20'	48/18	1.1	stiff gray/brown clay stiff gray/brown clay		

LOG OF BORING

BORING # SB-68
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 5/28/2015
Drilling Co.: SJB
Total Depth: 20 ft
Method Used: Hollow Stem Auger
Inspector: J. Stuart
Organic Vapor Inst: Mini Rae - PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-68-0-4	U/K	0-4'	48/48	4.5	coarse brown, gravel, slag, masonry debris coarse brown, gravel, slag, masonry debris coarse brown, gravel, slag, masonry debris dark gray with light blue slag and slag debris, dry		
8	SB-68-4-8	U/K	4-8'	48/36	2.4	moist, dark, gritty with slag debris. moist, dark, gritty with slag debris. Layers of masonry debris moist, dark, gritty with slag debris. Layers of masonry debris		
12	SB-68-8-12	U/K	8-12'	48/24	1.8	dark brown soil with fine slag particles, few marble size slag dark brown soil with fine slag particles, few marble size slag		+DUP
16	SB-68-12-16	U/K	12-16'	48/36	1.3	dark brown soil, no slag dark brown soil, no slag 2.5-3': peat-like, dry		
20	SB-68-16-20	U/K	16-20'	48/12	1.2	brown clay, some gray color		

LOG OF BORING

BORING # SB-69
Page 1 of 1

Project Buffalo Lakeside Commerce Park | Location Buffalo, New York | Permit #:
Date Drilled 5/28/2015 | Drilling Co.: SJB | Job #: 91667
Total Depth 20 ft | Method Used: Hollow Stem Auger
Inspector J. Stuart | Organic Vapor Inst: Mini Rae - PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-69-0-4	U/K	0-4'	48/42	3.4	top soil with slag material top soil with larger slag material yellow colored masonry rubble, dark gray coarse soil with slag debris dark gray coarse soil with slag debris		
8	SB-69-4-8	U/K	4-8'	48/30		wet, dark brown soil with slag and masonry debris dark brown, mucky soil dark brown, mucky soil		
12	SB-69-8-12	U/K	8-12'	48/36	2.4	dark brown, mucky soil dark brown, mucky soil dark brown, mucky soil		+DUP
16	SB-69-12-16	U/K	12-16'	48/30	2.1	stiff brown/gray clay stiff brown/gray clay stiff brown/gray clay		
20	SB-69-16-20	U/K	16-20'	48/42	2.3	stiff brown/gray clay stiff brown/gray clay stiff brown/gray clay stiff brown/gray clay		

LOG OF BORING

BORING # SB-70
Page 1 of 1

Project Buffalo Lakeside Commerce Park | Location Buffalo, New York | Permit #:
Date Drilled 5/29/2015 | Drilling Co.: SJB | Job #: 91667
Total Depth 20 ft | Method Used: Hollow Stem Auger
Inspector J. Stuart | Organic Vapor Inst: Mini Rae - PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-70-0-4	U/K	0-4'	48/36	2.4	topsoil with slag pebbles and fine slag debris darker brown with gray slag pieces, mulch/wood debris, dry		
8	SB-70-4-8	U/K	4-8'	48/48	0.7	dark brown soil with gray slag pieces, dry dark brown soil with gray slag pieces, moist dark brown soil with gray slag pieces, moist same as above, moist, layer of masonry and fibrous material bottom		
12	SB-70-8-12	U/K	8-12'	48/6	0.5	black fibrous material and stiffer fine black soil		reactive and total CN sample only
16	SB-70-12-16	U/K	12-16'	48/42	0.7	peat-like, moist stiff gray/brown clay stiff gray/brown clay stiff gray/brown clay		
20	SB-70-16-20	U/K	16-20'	48/42	1.0	stiff gray/brown clay stiff gray/brown clay stiff gray/brown clay stiff gray/brown clay		

LOG OF BORING

BORING # SB-71
Page 1 of 1

Project Buffalo Lakeside Commerce Park | Location Buffalo, New York | Permit #:
Date Drilled 5/29/2015 | Drilling Co.: SJB | Job #: 91667
Total Depth 20 ft | Method Used: Hollow Stem Auger
Inspector J. Stuart | Organic Vapor Inst: Mini Rae - PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
	SB-71-0-4	U/K	0-4'	48/42	2.5	brown topsoil, little slag debris, dry brown topsoil, little slag debris, dry layer of gray slag at 2 ft brown topsoil, little slag debris, moist brown topsoil, little slag debris, moist		+DUP
4								
	SB-71-4-8	U/K	4-8'	48/48	3.2	moist, dark brown silty soil with some gray slag moist, dark brown silty soil with some gray slag moist, dark brown silty soil with some gray slag moist, dark brown silty soil with some gray slag		+DUP
8								
	SB-71-8-12	U/K	8-12'	48/16	3.1	wet, dark brown silty sand, some fibrous material		
12								
	SB-71-12-16	U/K	12-16'	48/24	3.4	peat-like top 0.5 ft, stiff brown/gray clay stiff brown/gray clay		
16								
	SB-71-16-20	U/K	16-20'	48/36	3.3	stiff brown/gray clay stiff brown/gray clay stiff brown/gray clay		
20								

LOG OF BORING

BORING # SB-72
Page 1 of 1

Project Buffalo Lakeside Commerce Park | Location Buffalo, New York | Permit #:
Date Drilled 5/29/2015 | Drilling Co.: SJB | Job #: 91667
Total Depth 12 ft | Method Used: Hollow Stem Auger
Inspector J. Stuart | Organic Vapor Inst: Mini Rae - PID | Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-72-0-4	U/K	0-4'	48/36	8.2	topsoil with slag debris topsoil with slag debris, layer of masonry debris, moist moist, dark brown, similar to above		
8	SB-72-4-8	U/K	4-8'	48/48	8.2	dark brown silty soil with slag, plant fibers, moist dark brown silty soil with slag, plant fibers, moist light brown silty soil with slag, dry		
12	SB-72-8-12	U/K	8-12'	48/48	6.4	light brown silty soil with slag, dry dark brown sandy soil with slag debris, moist		
16	NA	U/K	12-16'	NA	NA			
20	NA	U/K	16-20'	NA	NA			

LOG OF BORING

BORING #: SB-73
Page 1 of 1

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Permit #:
Date Drilled: 5/29/2015
Drilling Co.: SJB
Job #: 91667
Total Depth: 12 ft
Method Used: Hollow Stem Auger
Inspector: J. Stuart
Organic Vapor Inst: Mini Rae - PID
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vap (ppm)	Sample Description	Strata Change	Remarks (time)
4	SB-73-0-4	U/K	0-4'	48/36	6.9	sandy top soil with red-brown and blue slag pieces dark brown sandy soil with gray slag pieces orange sandy soil with gray slag pieces, moist		
8	SB-73-4-8	U/K	4-8'	48/36	6.2	rusty orange, sandy with slag debris, wet chunky black slag material, coarse moist, black, silty sand material		
12	SB-73-8-12	U/K	8-12'	48/30	5.9	peat-like sandy, gray clay stiff, gray clay		
16	NA	U/K	12-16'	NA	NA			
20	NA	U/K	16-20'	NA	NA			

LOG OF BORING

BORING # SB-74
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 8/24/2015
Drilling Co.: SJB
Total Depth: 14 ft
Method Used: Hollow Stem Auger
Inspector: A. Rielly/E. Rosenzweig/C. Meehan
Organic Vapor Inst: Ludlum External Pancake Meter
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-74-0-14-20150824 (composite)	U/K	0-2'	24/12	0.5	topsoil white, gray concrete chunks, crumbled white material		
4		U/K	2-4'	24/18	0.4	light brown and gray loose granular material black clayey material with blue specks and wood fibers clay with green-blue streaks, crumbles easily, some rock		
6		U/K	4-6'	24/24	N/A	loose medium gray rock blue colored clay, bottom blue and green flat rock pieces, shale-like		
8		U/K	6-8'	24/12	0.5	moist, brown clay with small stones bluish brown clay		
10		U/K	8-10'	24/24	0.6	blue-gray clay, remaining in loose black granular material blue specks		
12		U/K	10-12'	24/24	0.6	wet, dark gray, blue silty material with some gravel		
14		U/K	12-14'	24/18	NA	dark gray, blue silty material with gravel rusty orange colored rock chunks		

LOG OF BORING

BORING # SB-75
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 8/24/2015
Drilling Co.: SJB
Total Depth: 3.5 ft
Method Used: Hollow Stem Auger
Inspector: A. Rielly/E. Rosenzweig/C. Meehan
Organic Vapor Inst: Ludlum External Pancake Meter
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-75-0-3.5-20150824 (composite)	U/K	0-2'	24/6	0.5	light gray loose, dry material, with large chunks of concrete som brick pieces dark brown, sandy silty, loose		
4		U/K	2-3.5'	18/6	0.4	cohesive piece of silt clay, with chunks of blue slag material		

LOG OF BORING

BORING # SB-76
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 8/25/2015
Drilling Co.: SJB
Total Depth: 8 ft
Method Used: Hollow Stem Auger
Inspector: A. Rielly/E. Rosenzweig/C. Meehan
Organic Vapor Inst: Ludlum External Pancake Meter
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-76-0-8-20150825 (composite)	U/K	0-2'	24/18	0.8	brown topsoil, light brown gray rock dark brown rocky soil		
4		U/K	2-4'	24/18	0.7	light brown topsoil gray, blue slag		
6		U/K	4-6'	24/24	0.6	dark grown, gray topsoil hard brittle clay with rocks		
8		U/K	6-8'	24/18	0.5	brown topsoil light brown silty clay gray outside, yellow inside, sand like but outter section hard gray, hard brittle clay, rock		

LOG OF BORING

BORING # SB-77
Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:
Date Drilled 8/24/2015 Drilling Co.: SJB Job #: 91667
Total Depth 10 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-77-0-9-20150824 (composite)	U/K	0-2'	24/24	0.6	dark brown, top soil with sparkles		
4		U/K	2-4'	24/12	0.5	brown, dry fill material, crumbles		
6		U/K	4-6'	24/8	0.6	loose, dry rusty brown color fill, shiny		
8		U/K	6-8'	24/6	N/A	silty black/brown with shiny, slag		
10		U/K	8-10'	24/10	0.6	bluish slag material, gray clay		

LOG OF BORING

BORING # SB-78
Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:
Date Drilled 8/25/2015 Drilling Co.: SJB Job #: 91667
Total Depth 14 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-78-0-14-20150825 (composite)	U/K	0-2'	24/24	0.5	dark brown topsoil		+DUP
4		U/K	2-4'	24/18	0.6	dark brown topsoil lighter towards bottom 6"		
6		U/K	4-6'	24/18	0.5	dark brown topsoil		
8		U/K	6-8'	24/24	0.8	dark brown topsoil gray brittle clay gravelly slag		
10		U/K	8-10'	24/24	0.7	gray, white brittle clay black silty clay		
12		U/K	10-12'	24/24	0.8	gray-white silty clay black and brown, odor		
14		U/K	12-14'	24/24	0.9	black, brown and gray clay towards bottom		

LOG OF BORING

BORING # SB-79
Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:
Date Drilled 8/25/2015 Drilling Co.: SJB Job #: 91667
Total Depth 8 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-79-0-8-20150825 (composite)	U/K	0-2'	24/18	0.6	topsoil, wood, light brown gray reddish stone, rock mixture		
4		U/K	2-4'	24/12	N/A	topsoil, fill, light brown reddish brick stones black clay, odor		
6		U/K	4-6'	24/18	0.7	black silty clay with small stones orange maroon pieces black clay, silty, rock slag pieces		
8		U/K	6-8'	24/18	N/A	reddish rock, black, gray slag brown clay		

LOG OF BORING

BORING # SB-80
Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:
Date Drilled 8/24/2015 Drilling Co.: SJB Job #: 91667
Total Depth 4 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-80-0-3.6-20150824 (composite)	U/K	0-2'	24/18	0.5	white flat rock, loose		
4		U/K	2-3.6'	19.2/5	0.6	loose, brown silty, chunk of slag blue slag pieces		

LOG OF BORING

BORING # SB-81
Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:
Date Drilled 8/25/2015 Drilling Co.: SJB Job #: 91667
Total Depth 6 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-81-0-6-20150825 (composite)	U/K	0-2'	24/18	0.3	dark brown soil with sparkles dark brown rocky soil		
4		U/K	2-4'	24/24	0.7	dark brown soil with sparkles turn to dark gray clay, dirt and bits of slag light gray clay		
6		U/K	4-6'	24/24	0.7	dark brown soil gray, light brown brittle, rock like or hard clay		

LOG OF BORING

BORING # SB-82
Page 1 of 1
Permit #:
Job #: 91667

Project Buffalo Lakeside Commerce Park Location Buffalo, New York
Date Drilled 8/24/2015 Drilling Co.: SJB
Total Depth 16 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-82-0-16-20150824 (composite)	U/K	0-2'	24/12	0.4	topsoil, plant material orange concrete/masonry		
4		U/K	2-4'	24/12	N/A	orange concrete/masonry, some wood fibers, black silt material crumbles		
6		U/K	4-6'	24/12	0.6	orange concrete pieces and orange dust, some wood fibers,		
8		U/K	6-8'	24/6	0.5	wet chunks of gray rock, small orange chunks, wood fibers		
10		U/K	8-10'	24/6	0.9	wet primarily wood fragments,		
12		U/K	10-12'	24/6	0.5	wet, wood pieces with orange hard chunks, concrete/masonry		
14		U/K	12-14'	24/18	0.6	wet black silty, wood fragments		
16		U/K	14-16'	24/24	NA	soft brown gray clay		

LOG OF BORING

BORING # SB-83
Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:
Date Drilled 8/25/2015 Drilling Co.: SJB Job #: 91667
Total Depth 12 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-83-0-12-20150825 (composite)	U/K	0-2'	24/24	0.7	brown topsoil with sparkles		
4		U/K	2-4'	24/18	0.6	dark brown topsoil light gray and brown brittle dry clay very hard, solid pieces		
6		U/K	4-6'	24/18	0.5	dark brown, green, gray compacted clay, dry and brittle gray, red, orange mason materials wood pieces, black, odor		
8		U/K	6-8'	24/12	0.4	wet, black, silt clay, some rocks; odor orange masonry material		
10		U/K	8-10'	24/6	0.3	very wet material, black covered wood pieces		
12		U/K	10-12'	24/6	0.4	dark brown wood with orange masonry material		

LOG OF BORING

BORING # SB-84
Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:
Date Drilled 8/25/2015 Drilling Co.: SJB Job #: 91667
Total Depth 10 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-84-0-10-20150825 (composite)	U/K	0-2'	24/18	0.5	topsoil, plant materials dark brown, silty with few chunks of blue slag dark brown, silty with dark orange hard material, rock		
4		U/K	2-4'	24/24	0.5	brown soil, orange pieces, hard brown and gray bits rock slag		
6		U/K	4-6'	18/24	0.6	same as above brown, reddish, gray, black, slag chunks wetter, very light brown bits, reddish, black; odor		
8		U/K	6-8'	24/12	0.7	hit water table, black and off white pieces of rock, maybe shells		
10		U/K	8-10'	24/24	0.6	all black with red brick, light gray, slag, wet		

LOG OF BORING

BORING # SB-85
Page 1 of 1
Permit #:
Job #: 91667

Project Buffalo Lakeside Commerce Park Location Buffalo, New York
Date Drilled 8/26/2015 Drilling Co.: SJB
Total Depth 10 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-85-0-10-20150826 (composite)	U/K	0-2'	24/14	0.5	light brown, fine sand dark brown, very fine sand with ash in it (white and black)		
4		U/K	2-4'	24/13	0.7	same as above gray, silty clay, little brick		
6		U/K	4-6'	24/24	0.6	same as above black ash, trace silty sand		
8		U/K	6-8'	24/0	N/A	no recovery		
10		U/K	8-10'	24/18	0.5	hit water dark gray, black slag, fly ash, little gravel smell of organic and sulfur		

LOG OF BORING

BORING # SB-86
Page 1 of 1
Permit #:
Job #: 91667

Project Buffalo Lakeside Commerce Park Location Buffalo, New York
Date Drilled 8/27/2015 Drilling Co.: SJB
Total Depth 10 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-86-0-8.5-20150827 (composite)	U/K	0-2'	24/22	0.9	dark brown, fine sand, little concrete, trace brick		
4		U/K	2-4'	24/17	0.6	same as above		
6		U/K	4-6'	24/16	0.5	black, fine to medium sand, little concrete brick, slag		
8		U/K	6-8'	24/14	0.8	same as above, slight odor hit water table		
10		U/K	8-10'	24/6	0.4	black, coarse, sand, little concrete, odor refusal at 8.5 ft		

LOG OF BORING

BORING # SB-87
Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:
Date Drilled 8/26/2015 Drilling Co.: SJB Job #: 91667
Total Depth 12 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-87-0-12-20150826 (composite)	U/K	0-2'	23/24	0	dark brown, very fine silt, little gravel, ash		
4		U/K	2-4'	23/24	0.4	same as above		
6		U/K	4-6'	19/24	0.4	same as above		
8		U/K	6-8'	17/24	0.3	same as above but moist		
10		U/K	8-10'	16/24	0.3	dark brown, very fine silt, little gravel, ash		
12		U/K	10-12'	16/24	0.5	same as above, moist gray, silty clay light brown, clay		

LOG OF BORING

BORING # SB-88
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 8/25/2015
Drilling Co.: SJB
Total Depth: 4 ft
Method Used: Hollow Stem Auger
Inspector: A. Rielly/E. Rosenzweig/C. Meehan
Organic Vapor Inst: Ludlum External Pancake Meter
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-88-0-8-20150825 (composite)	U/K	0-2'	24/24	0.8	dark brown soil with rock slag pieces, grvael, orange bits some odor		
4		U/K	2-4'	24/0	N/A	no recovery		
6		U/K	4-6'	24/12	0.6	top 2" dark brown soil 4" light gray and dark clay, soldified sand and slag bottom 6" dark gray to black clay with wood chunks some odor		
8		U/K	6-8'	24/18	0.6	top 6" light, gray black slag, some gravel bottom 1' black and brown, orange wet silty clay some odor		

LOG OF BORING

BORING # SB-89
Page 1 of 1

Project Buffalo Lakeside Commerce Park Location Buffalo, New York Permit #:
Date Drilled 8/26/2015 Drilling Co.: SJB Job #: 91667
Total Depth 12 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-89-0-12-20150826 (composite)	U/K	0-2'	24/23	0.7	dark brown, very fine sand, little to some gravel, little brick ash		
4		U/K	2-4'	24/20	0.6	same as above gray, fine sand		
6		U/K	4-6'	24/12	0.5	dark brown, fine sand, some concrete, moist		
8		U/K	6-8'	24/2	0.5	black fine sand, some concrete, moist		
10		U/K	8-10'	24/7	0.4	black, fine to medium sand		
12		U/K	10-12'	24/11	0.7	black, silty clay		

LOG OF BORING

BORING # SB-52
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 8/26/2015
Drilling Co.: SJB
Total Depth: 10 ft
Method Used: Hollow Stem Auger
Inspector: A. Rielly/E. Rosenzweig/C. Meehan
Organic Vapor Inst: Ludlum External Pancake Meter
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-90-0-10-20150826 (composite)	U/K	0-2'	24/24	0.6	dark brown, fine, some slag, little concrete spoon refusal at 2.5 ft		
4		U/K	2-4'	24/6	0.6	dark brown, fine sand, little slag		
6		U/K	4-6'	24/21	0.7	dark brown, fine sand moist		
8		U/K	6-8'	24/13	0.5	black saturated, fine to coarse sand saturated, black coarse sand		
10		U/K	8-10'	24/14	0.6	same as above		

LOG OF BORING

BORING # SB-52
Page 1 of 1
Permit #:
Job #: 91667

Project Buffalo Lakeside Commerce Park Location Buffalo, New York
Date Drilled 8/26/2015 Drilling Co.: SJB
Total Depth 10 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-91-0-10-20150826 (composite)	U/K	0-2'	24/22	0.4	light brown sand, some concrete		
4		U/K	2-4'	24/20	0.5	dark brown, fine sand, some concrete, little coal		
6		U/K	4-6'	24/18	0.6	dark brown sand, little concrete		
8		U/K	6-8'	24/17	0.4	same as above some slag		
10		U/K	8-10'	24/23	0.5	black sily clay dark brown, silty clay, some peat		

LOG OF BORING

BORING # SB-92
Page 1 of 1
Permit #:
Job #: 91667

Project Buffalo Lakeside Commerce Park Location Buffalo, New York
Date Drilled 8/26/2015 Drilling Co.: SJB
Total Depth 10 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-92-0-10-20150826 (composite)	U/K	0-2'	24/18	0.7	dark brown, fine sand, little concrete		
4		U/K	2-4'	24/18	0.4	same as above, some concrete		
6		U/K	4-6'	24/13	0.4	same as above, moist to wet		
8		U/K	6-8'	24/12	0.3	same as above, wet some fly ash		
10		U/K	8-10'	24/6	0.3	dark brown, silty clay with peat		

LOG OF BORING

BORING # SB-93
Page 1 of 1
Permit #:
Job #: 91667

Project Buffalo Lakeside Commerce Park Location Buffalo, New York
Date Drilled 8/26/2015 Drilling Co.: SJB
Total Depth 10 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-93-0-10-20150826 (composite)	U/K	0-2'	24/23	0.9	dark brown, fine sand, little gravel		
4		U/K	2-4'	24/16	0.6	same as above dark gray, silt, little slag		
6		U/K	4-6'	24/24	0.8	same as above little concrete, little wood		
8		U/K	6-8'	24/24	0.6	black fine sand saturated, black coarse sand		
10		U/K	8-10'	24/10	0.4	gray, coarse silt		

LOG OF BORING

BORING # SB-94
Page 1 of 1
Permit #:
Job #: 91667

Project Buffalo Lakeside Commerce Park Location Buffalo, New York
Date Drilled 8/27/2015 Drilling Co.: SJB
Total Depth 10 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-94-0-10-20150827 (composite)	U/K	0-2'	22/24	0.4	brown fine sand mixture black, white light brown, concrete, ash, sand		
4		U/K	2-4'	15/24	0.4	dark brown, light brown, beige, fine sand, some concrete		
6		U/K	4-6'	19/24	0.4	black, dark brown coarse sand purple and beige coarse sand gray silty clay		
8		U/K	6-8'	24/24	0.5	black coarse sand		
10		U/K	8-10'	15/24	0.3	black coarse sand		

LOG OF BORING

BORING # SB-95
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 8/27/2015
Drilling Co.: SJB
Total Depth: 10 ft
Method Used: Hollow Stem Auger
Inspector: A. Rielly/E. Rosenzweig/C. Meehan
Organic Vapor Inst: Ludlum External Pancake Meter
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-95-0-10-20150827 (composite)	U/K	0-2'	24/19	0.5	dark brown, sand, little concrete		
4		U/K	2-4'	24/18	0.5	dark brown, fine sand, little concrete, sparse peat		
6		U/K	4-6'	24/24	0.6	dark brown, fine sand, sparce conrete, sparse purple gravel		
8		U/K	6-8'	24/15	0.6	same as above refusal at 7.5 ft		
10		U/K	8-10'	24/8	0.3	black saturated, coarse sand, some wood and peat slag		

LOG OF BORING

BORING # SB-96
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 8/27/2015
Drilling Co.: SJB
Total Depth: 10 ft
Method Used: Hollow Stem Auger
Inspector: A. Rielly/E. Rosenzweig/C. Meehan
Organic Vapor Inst: Ludlum External Pancake Meter
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-96-0-10-20150827 (composite)	U/K	0-2'	24/24	0.6	dark brown, very find to fine sand some gravely, brick, concrete		
4		U/K	2-4'	24/14	0.7	same as above black very fine to medium sand and ash trace gravel		
6		U/K	4-6'	24/19	0.2	same as above gray, sand, little slag, trace ash		
8		U/K	6-8'	24/24	0.8	dark gray, black coarse sand, trace ash, slag		
10		U/K	8-10'	24/22	0.5	black coarse sand, trace concrete, trace brick		

LOG OF BORING

BORING # SB-97
Page 1 of 1
Permit #:
Job #: 91667

Project: Buffalo Lakeside Commerce Park
Location: Buffalo, New York
Date Drilled: 8/26/2015
Drilling Co.: SJB
Total Depth: 10 ft
Method Used: Hollow Stem Auger
Inspector: A. Rielly/E. Rosenzweig/C. Meehan
Organic Vapor Inst: Ludlum External Pancake Meter
Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-97-0-10-20150826 (composite)	U/K	0-2'	24/24	0.4	brown, sand, little concrete		
4		U/K	2-4'	24/17	0.6	dark brown, fine to medium sand, trace gravel grown medium sand dark grown, fine to medium sand, trace gravel, ash		
6		U/K	4-6'	24/13	0.4	same as above, trace brick hit water table		
8		U/K	6-8'	24/11	0.4	black, fine sand, saturated		
10		U/K	8-10'	24/10	0.5	same as above		

LOG OF BORING

BORING # SB-98
Page 1 of 1
Permit #:
Job #: 91667

Project Buffalo Lakeside Commerce Park Location Buffalo, New York
Date Drilled 8/26/2015 Drilling Co.: SJB
Total Depth 10 ft Method Used: Hollow Stem Auger
Inspector A. Rielly/E. Rosenzweig/C. Meehan Organic Vapor Inst: Ludlum External Pancake Meter Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Meter (µR/hr)	Sample Description	Strata Change	Remarks (time)
2	SB-98-0-10-20150826 (composite)	U/K	0-2'	24/17	0.6	light brown, fine sand, little concrete, little brick		
4		U/K	2-4'	24/24	0.6	dark brown, fine sand, little concrete		
6		U/K	4-6'	24/24	0.9	very dark brown, fine sand, little slag		
8		U/K	6-8'	24/24	0.3	black, coarse sand, little slag		
10		U/K	8-10'	24/13	0.3	saturated, dark brown, clay		

LOG OF BORING

BORING # SB-99
Page 1 of 1
Permit #:
Job #: 91667

Project Buffalo Lakeside Commerce Park Location Buffalo, New York
Date Drilled 10/12/2015 Drilling Co.: SJB/ Danny DeLude & Kurt Anderson
Total Depth 20 ft Method Used: Hollow Stem Auger
Inspector L. Estrada/ E. Moody Organic Vapor Inst: Mini Rae-PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vapor (ppm)	Sample Description	Strata Change	Remarks (time)
2	SB-74-0-4-101215	U/K	0-2'	24/12	0	brown topsoil		
4		U/K	2-4'	24/18	0	gray cement, light brown/gray sand		
6	SB-74-4-8-101215	U/K	4-6'	24/24	0	gray slag, some brown soil		
8		U/K	6-8'	24/18	0	saturated, rock pieces, sandy gravel light gray in color		
10	SB-74-8-12-101215	U/K	8-10'	24/18	0	saturated, dark gray/light gray, slag material, rock pieces natural native dark clay		+DUP
12		U/K	10-12'	24/24	0	dark brown same as above, natural clay		
14	SB-74-12-16-101215	U/K	12-14'	24/24	0	saturated dark brown clay gray clay		
16		U/K	14-16	24/10	0	brown, gray clay		
18	SB-74-16-20-101215	U/K	16-18	24/12	0	gray clay		
20		U/K	18-20	24/24	0	gray clay		

LOG OF BORING

BORING # SB-100
Page 1 of 1
Permit #:
Job #: 91667

Project Buffalo Lakeside Commerce Park Location Buffalo, New York
Date Drilled 10/12/2015 Drilling Co.: SJB/ Danny DeLude & Kurt Anderson
Total Depth 20 ft Method Used: Hollow Stem Auger
Inspector L. Estrada/ E. Moody Organic Vapor Inst: Mini Rae-PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vapor (ppm)	Sample Description	Strata Change	Remarks (time)
2	SB-75-0-4-101215	U/K	0-2'	24/12	0	brown topsoil, some rock pieces		
4		U/K	2-4'	24/12	0	slag and some topsoil		
6	SB-75-4-8-101215	U/K	4-6'	24/20	0	slag material		
8		U/K	6-8'	24/12	0	slag		
10	SB-75-8-12-101215	U/K	8-10'	24/18	0	slag material and some dark/black soil		
12		U/K	10-12'	24/0	N/A			
14	SB-75-12-16-101215	U/K	12-14'	24/12	0	soft dark brown soil, clay		
16		U/K	14-16	24/12	0	moist, gray clay		
18	SB-75-16-20-101215	U/K	16-18	24/24	0	slag gray clay		
20		U/K	18-20	24/18	0	gray clay		

LOG OF BORING

BORING # SB-101
Page 1 of 1
Permit #:
Job #: 91667

Project Buffalo Lakeside Commerce Park Location Buffalo, New York
Date Drilled 10/13/2015 Drilling Co.: SJB/ Danny DeLude & Kurt Anderson
Total Depth 20 ft Method Used: Hollow Stem Auger
Inspector L. Estrada/E. Moody Organic Vapor Inst: Mini Rae-PID Water elv:

Depth (feet)	Sample No.	Blows/6" 140 lbs.	Sample Inter.	Adv/Rec (inches)	Org. Vapor (ppm)	Sample Description	Strata Change	Remarks (time)
2	SB-76-0-4-101315	U/K	0-2'	24/12	0	topsoil and some chunks of orange brick/cement		
4		U/K	2-4'	24/24	0	light brown sandfill, black streaks		
6	SB-76-4-8-101315	U/K	4-6'	24/24	0	light gray/dark gray slag material, rock chunks		
8		U/K	6-8'	24/6	0	slag and rock pieces		
10	SB-76-8-12-101315	U/K	8-10'	24/18	0	dark gray slag material		
12		U/K	10-12'	24/12	N/A	some slag, dark brown/black soil, clayey, some wood chips		
14	SB-76-12-16-101315	U/K	12-14'	24/0	N/A			
16		U/K	14-16	24/12	0	saturated dark, gray brown clay		
18	SB-76-16-20-101315	U/K	16-18	24/24	0	saturated gray clay		
20		U/K	18-20	24/24	0	saturated gray clay		+MS/MSD

Appendix C

Well Construction Logs

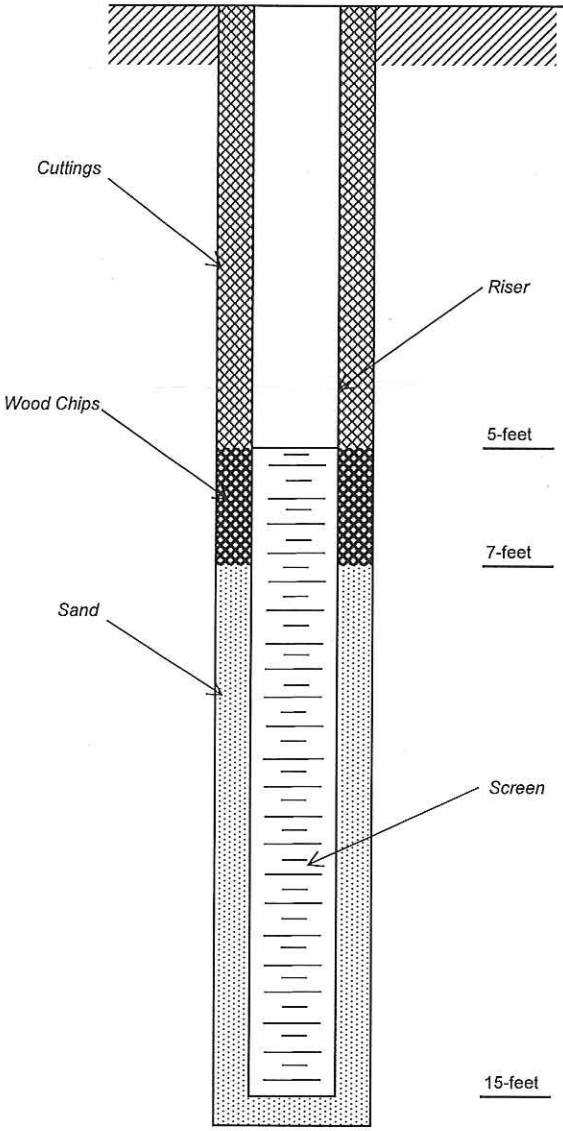
WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park Location: Buffalo, New York Well No.: **TP-01**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB Drillers: _____

Drill Rig/Model: _____

Borehole Diameters: 3-inches Drilling Fluid: _____

Bits/Depths: 4 foot

Total Depth: 15 feet Depth To Water: 7.45 feet

Supervisor Geologist: Katelyn Reepmeyer

WELL DESIGN

Casing Material:	PVC	Diameter:	1-inch
Screen Material:	PVC	Diameter:	1-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	07/07/14	07/07/14
Installation:	07/07/14	07/07/14
Development:	07/09/14	07/09/14

WELL DEVELOPMENT

Method: Pumping with peristaltic pump

Static Depth to Water: 7.45 feet TIC

Pumping Depth To Water: _____

Pumping Rate: _____ Spec. Capacity: _____

Volume Pumped: 0.93 gal

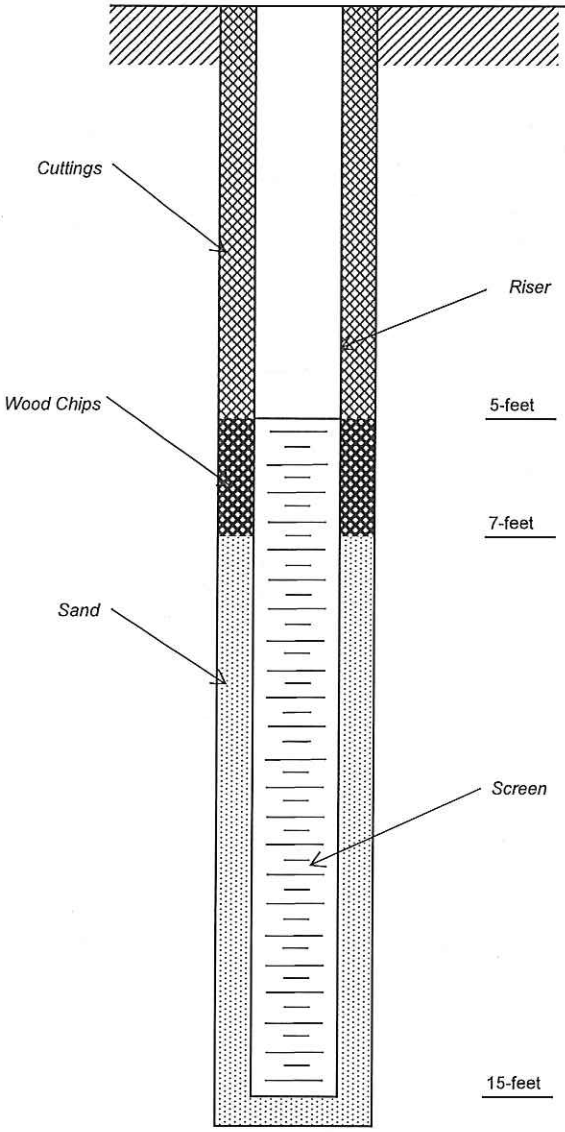
WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park Location: Buffalo, New York Well No.: **TP-02**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB Drillers: _____

Drill Rig/Model: _____

Borehole Diameters: 3-inches Drilling Fluid: _____

Bits/Depths: 4 foot

Total Depth: 15 feet Depth To Water: 5.44 feet

Supervisor Geologist: Katelyn Reepmeyer

WELL DESIGN

Casing Material:	PVC	Diameter:	1-inch
Screen Material:	PVC	Diameter:	1-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	07/07/14	07/07/14
Installation:	07/07/14	07/07/14
Development:	07/09/14	07/09/14

WELL DEVELOPMENT

Method: Pumping with peristaltic pump

Static Depth to Water: 5.44 feet TIC

Pumping Depth To Water: _____

Pumping Rate: _____ Spec. Capacity: _____

Volume Pumped: 1.19 gal

WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park

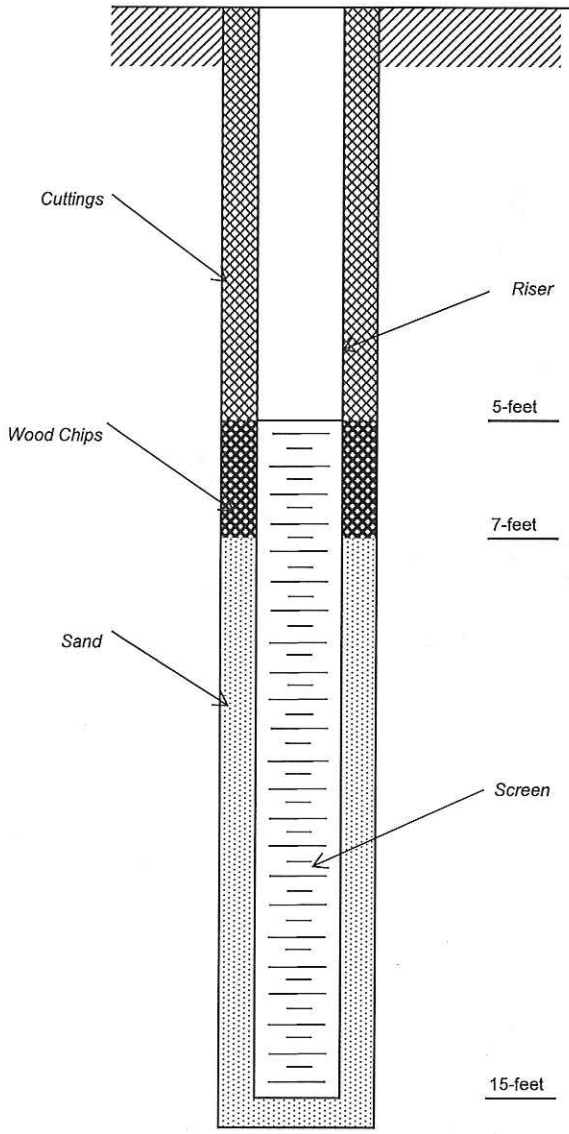
Location: Buffalo, New York

Well No.: **TP-03**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB
Drillers:
Drill Rig/Model:
Borehole Diameters: 3-inches
Drilling Fluid:
Bits/Depths: 4 foot
Total Depth: 15 feet
Depth To Water: 4.12 feet
Supervisor Geologist: Katelyn Reepmeyer

WELL DESIGN

Casing Material:	PVC	Diameter:	1-inch
Screen Material:	PVC	Diameter:	1-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	07/07/14	07/07/14
Installation:	07/07/14	07/07/14
Development:	07/09/14	07/09/14

WELL DEVELOPMENT

Method: Pumping with peristaltic pump
Static Depth to Water: 4.12 feet TIC
Pumping Depth To Water:
Pumping Rate:
Spec. Capacity:
Volume Pumped: 1.34 gal

WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park

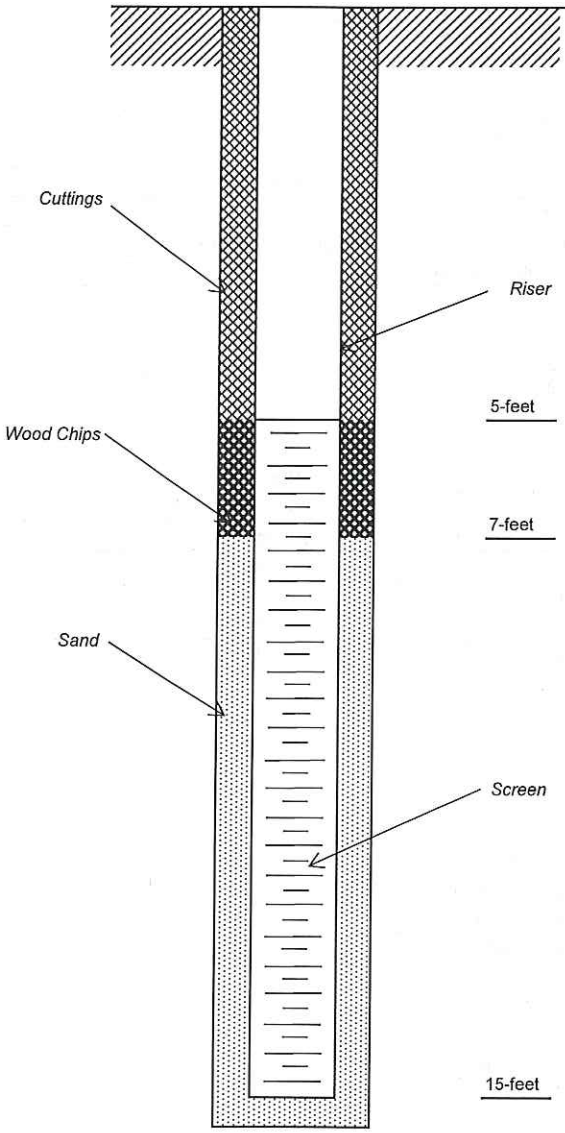
Location: Buffalo, New York

Well No.: **TP-05**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB
Drillers: _____
Drill Rig/Model: _____
Borehole Diameters: 3-inches
Drilling Fluid: _____
Bits/Depths: 4 foot
Total Depth: 15 feet
Depth To Water: 5.98 feet
Supervisor Geologist: Katelyn Reepmeyer

WELL DESIGN

Casing Material:	PVC	Diameter:	1-inch
Screen Material:	PVC	Diameter:	1-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	07/07/14	07/07/14
Installation:	07/07/14	07/07/14
Development:	07/09/14	07/09/14

WELL DEVELOPMENT

Method: Pumping with peristaltic pump
Static Depth to Water: 5.98 feet TIC
Pumping Depth To Water: _____
Pumping Rate: _____
Spec. Capacity: _____
Volume Pumped: 1.1 gal

WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park

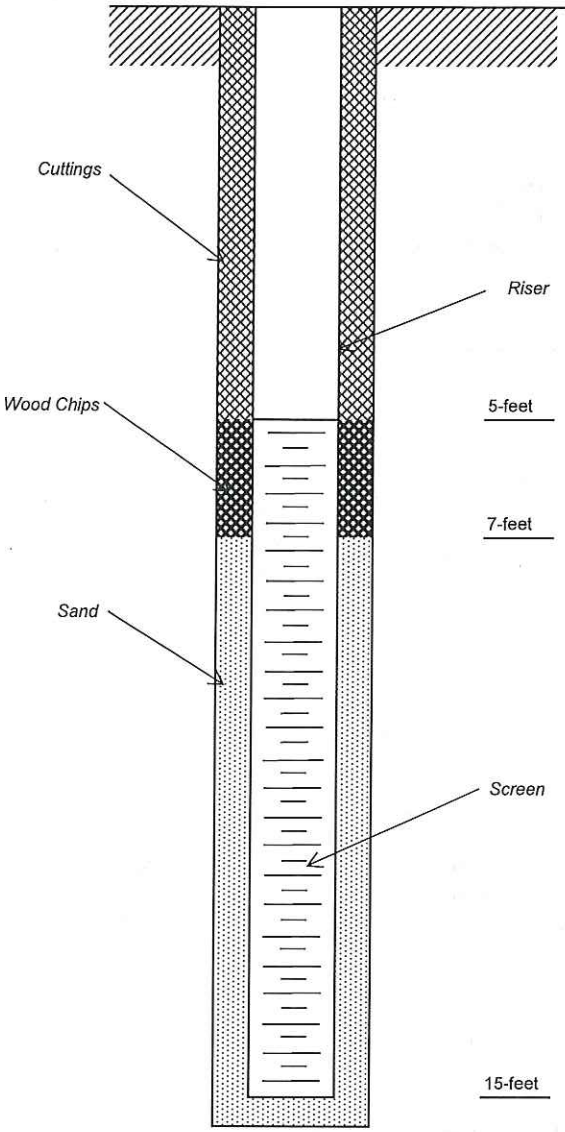
Location: Buffalo, New York

Well No.: **TP-05**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB
Drillers:
Drill Rig/Model:
Borehole Diameters: 3-inches
Drilling Fluid:
Bits/Depths: 4 foot
Total Depth: 15 feet
Depth To Water: 7.87 feet
Supervisor Geologist: Katelyn Reepmeyer

WELL DESIGN

Casing Material:	PVC	Diameter:	1-inch
Screen Material:	PVC	Diameter:	1-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	07/07/14	07/07/14
Installation:	07/07/14	07/07/14
Development:	07/09/14	07/09/14

WELL DEVELOPMENT

Method: Pumping with peristaltic pump
Static Depth to Water: 7.87 feet TIC
Pumping Depth To Water:
Pumping Rate:
Spec. Capacity:
Volume Pumped: 0.88 gal

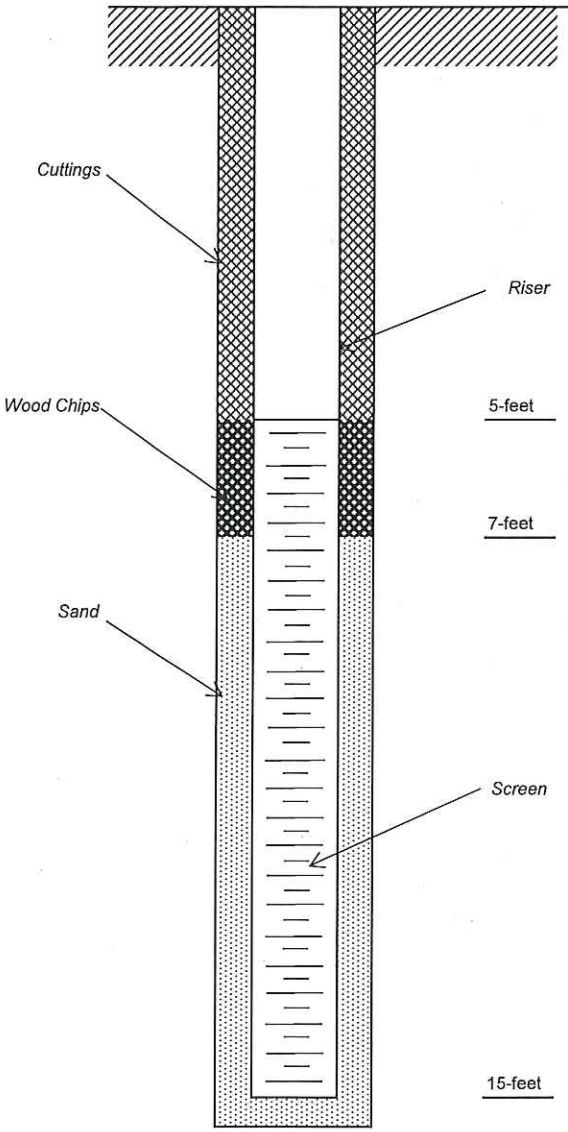
WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park Location: Buffalo, New York Well No.: **TP-06**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB Drillers: _____

Drill Rig/Model: _____

Borehole Diameters: 3-inches Drilling Fluid: _____

Bits/Depths: 4 foot

Total Depth: 15 feet Depth To Water: 5.24 feet

Supervisor Geologist: Katelyn Reepmeyer

WELL DESIGN

Casing Material:	PVC	Diameter:	1-inch
Screen Material:	PVC	Diameter:	1-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	07/07/14	07/07/14
Installation:	07/07/14	07/07/14
Development:	07/09/14	07/09/14

WELL DEVELOPMENT

Method: Pumping with peristaltic pump

Static Depth to Water: 5.24 feet TIC

Pumping Depth To Water: _____

Pumping Rate: _____ Spec. Capacity: _____

Volume Pumped: 1.20 gal

WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park

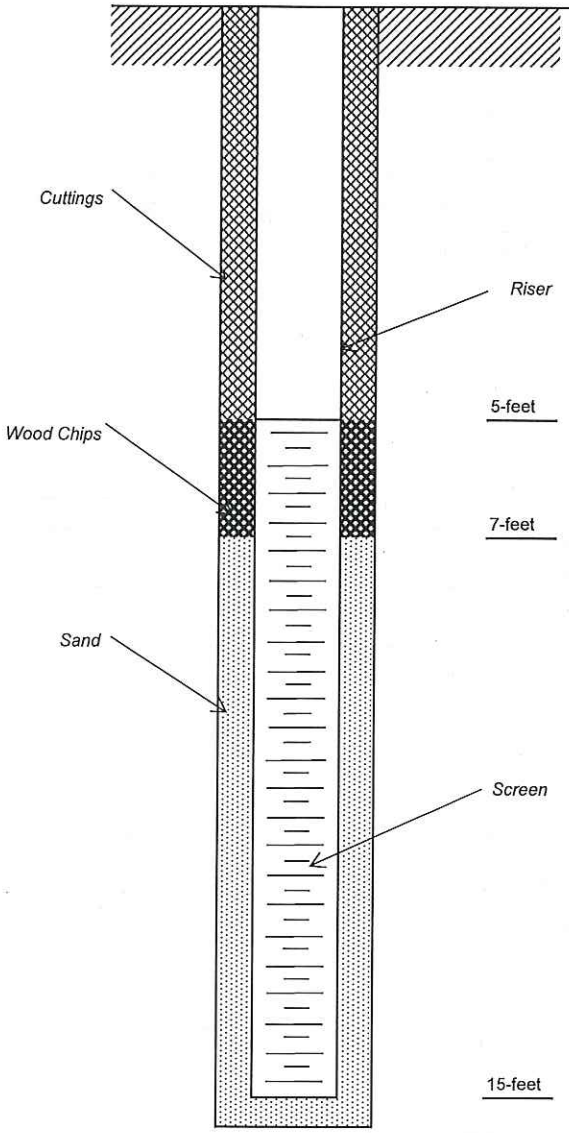
Location: Buffalo, New York

Well No.: **TP-07**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB
Drillers:
Drill Rig/Model:
Borehole Diameters: 3-inches
Drilling Fluid:
Bits/Depths: 4 foot
Total Depth: 15 feet
Depth To Water: 3.82 feet
Supervisor Geologist: Katelyn Reepmeyer

WELL DESIGN

Casing Material:	PVC	Diameter:	1-inch
Screen Material:	PVC	Diameter:	1-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	07/07/14	07/07/14
Installation:	07/07/14	07/07/14
Development:	07/09/14	07/09/14

WELL DEVELOPMENT

Method: Pumping with peristaltic pump
Static Depth to Water: 3.82 feet TIC
Pumping Depth To Water:
Pumping Rate:
Spec. Capacity:
Volume Pumped: 1.38 gal

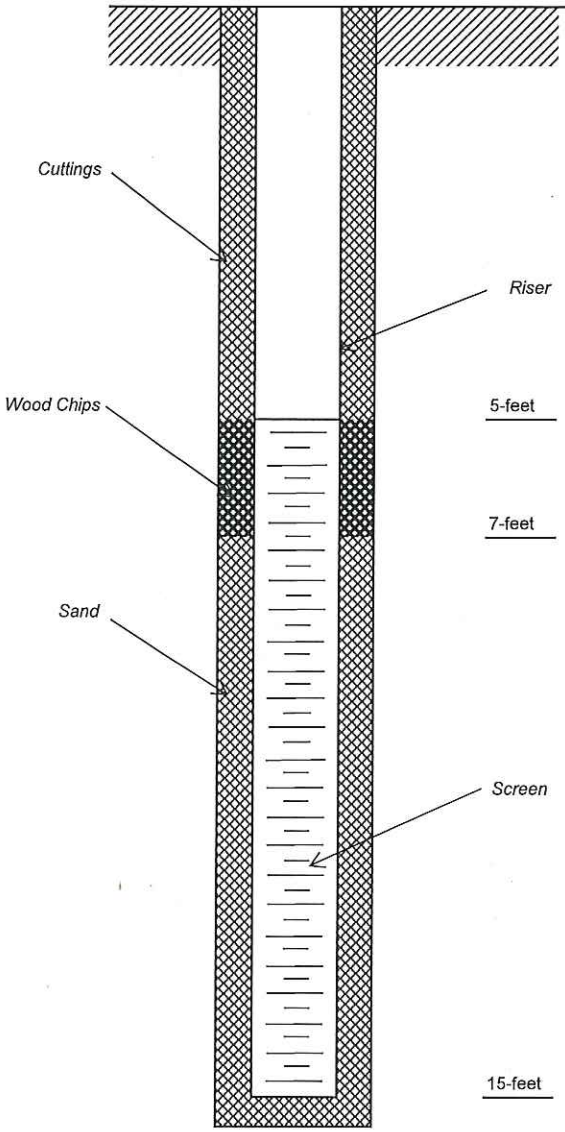
WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park Location: Buffalo, New York Well No.: **TP-08**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB Drillers: _____

Drill Rig/Model: _____

Borehole Diameters: 3-inches Drilling Fluid: _____

Bits/Depths: 4 foot

Total Depth: 15 feet Depth To Water: 5.25 feet

Supervisor Geologist: Katelyn Reepmeyer

WELL DESIGN

Casing Material:	PVC	Diameter:	1-inch
Screen Material:	PVC	Diameter:	1-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	07/07/14	07/07/14
Installation:	07/07/14	07/07/14
Development:	07/09/14	07/09/14

WELL DEVELOPMENT

Method: Pumping with peristaltic pump

Static Depth to Water: 5.25 feet TIC

Pumping Depth To Water: _____

Pumping Rate: _____ Spec. Capacity: _____

Volume Pumped: 1.20 gal

WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park

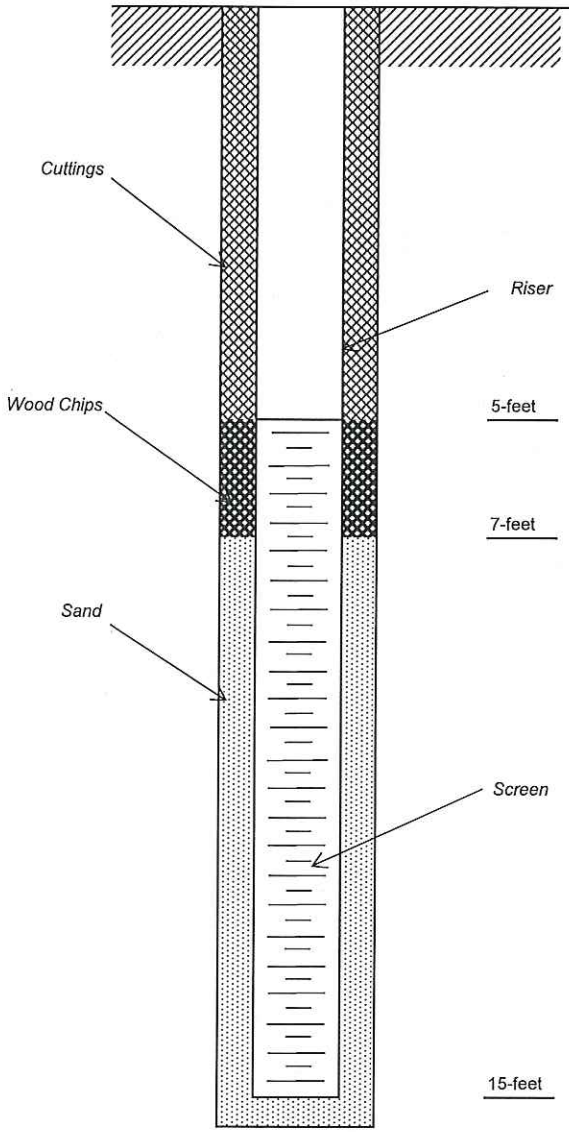
Location: Buffalo, New York

Well No.: **TP-09**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB
Drillers: _____
Drill Rig/Model: _____
Borehole Diameters: 3-inches
Drilling Fluid: _____
Bits/Depths: 4 foot
Total Depth: 15 feet
Depth To Water: 5.36 feet
Supervisor Geologist: Katelyn Reepmeyer

WELL DESIGN

Casing Material:	PVC	Diameter:	1-inch
Screen Material:	PVC	Diameter:	1-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	07/08/14	07/08/14
Installation:	07/08/14	07/08/14
Development:	07/10/14	07/10/14

WELL DEVELOPMENT

Method: Pumping with peristaltic pump
Static Depth to Water: 5.36 feet TIC
Pumping Depth To Water: _____
Pumping Rate: _____
Spec. Capacity: _____
Volume Pumped: 1.19 gal

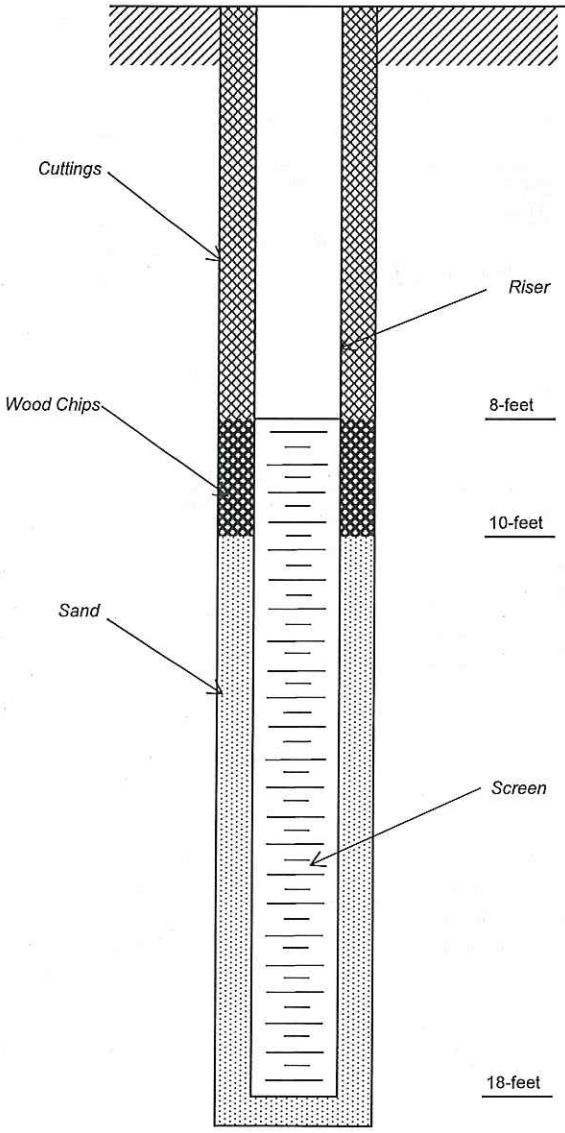
WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park Location: Buffalo, New York Well No.: **TP-10**

Permit No.: Not Applicable

TOC elev.: _____

Type: SJB



DRILLING SUMMARY

Drilling Company: SBJ Drilling Drillers: _____

Drill Rig/Model: _____

Borehole Diameters: 3-inches Drilling Fluid: _____

Bits/Depths: 4 foot

Total Depth: 15 feet Depth To Water: 10.25 feet

Supervisor Geologist: Katelyn Reepmeyer

WELL DESIGN

Casing Material:	PVC	Diameter:	1-inch
Screen Material:	PVC	Diameter:	1-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	07/08/14	07/08/14
Installation:	07/08/14	07/08/14
Development:	07/09/14	07/09/14

WELL DEVELOPMENT

Method: Pumping with peristaltic pump

Static Depth to Water: 10.25 feet TIC

Pumping Depth To Water: _____

Pumping Rate: _____ Spec. Capacity: _____

Volume Pumped: 1.20 gal

WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park

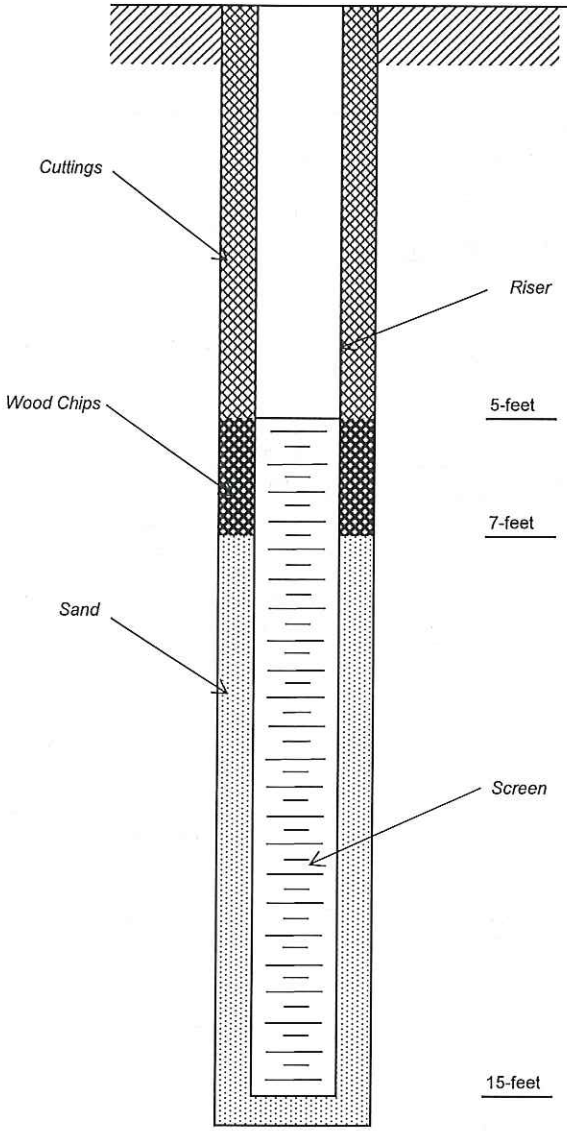
Location: Buffalo, New York

Well No.: **TP-11**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB
Drillers: _____
Drill Rig/Model: _____
Borehole Diameters: 3-inches
Drilling Fluid: _____
Bits/Depths: 4 foot
Total Depth: 15 feet
Depth To Water: 4.53 feet
Supervisor Geologist: Katelyn Reepmeyer

WELL DESIGN

Casing Material:	PVC	Diameter:	1-inch
Screen Material:	PVC	Diameter:	1-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	07/08/14	07/08/14
Installation:	07/08/14	07/08/14
Development:	07/09/14	07/09/14

WELL DEVELOPMENT

Method: Pumping with peristaltic pump
Static Depth to Water: 4.53 feet TIC
Pumping Depth To Water: _____
Pumping Rate: _____
Spec. Capacity: _____
Volume Pumped: 1.30 gal

WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park

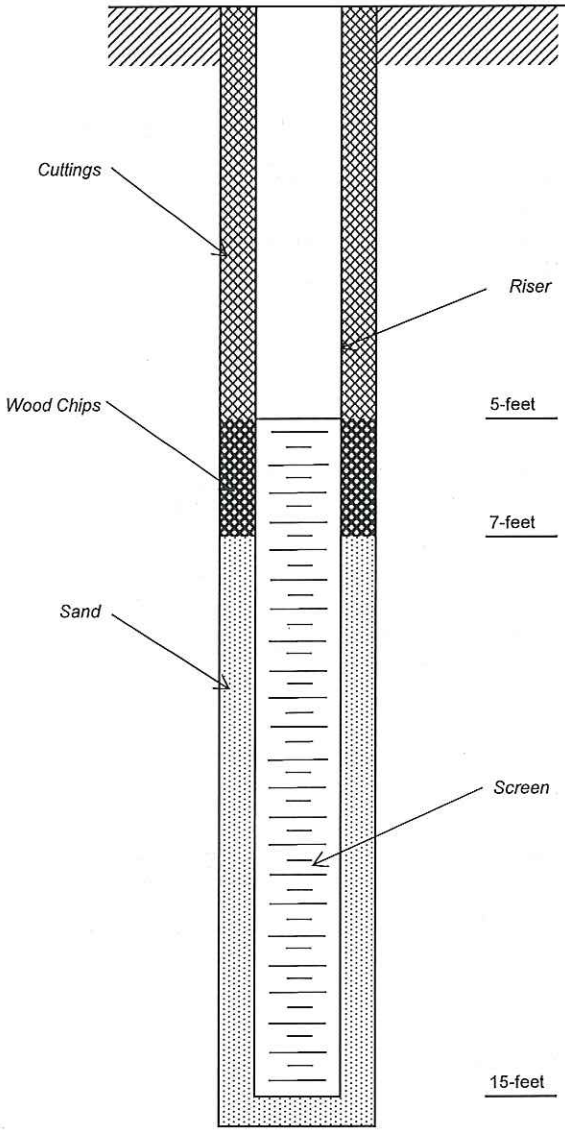
Location: Buffalo, New York

Well No.: **TP-12**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB
Drillers:
Drill Rig/Model:
Borehole Diameters: 3-inches
Drilling Fluid:
Bits/Depths: 4 foot
Total Depth: 15 feet
Depth To Water: 4.89 feet
Supervisor Geologist: Katelyn Reepmeyer

WELL DESIGN

Casing Material:	PVC	Diameter:	1-inch
Screen Material:	PVC	Diameter:	1-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	07/08/14	07/08/14
Installation:	07/08/14	07/08/14
Development:	07/09/14	07/09/14

WELL DEVELOPMENT

Method: Pumping with peristaltic pump
Static Depth to Water: 4.89 feet TIC
Pumping Depth To Water:
Pumping Rate:
Spec. Capacity:
Volume Pumped: 1.25 gal

WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park

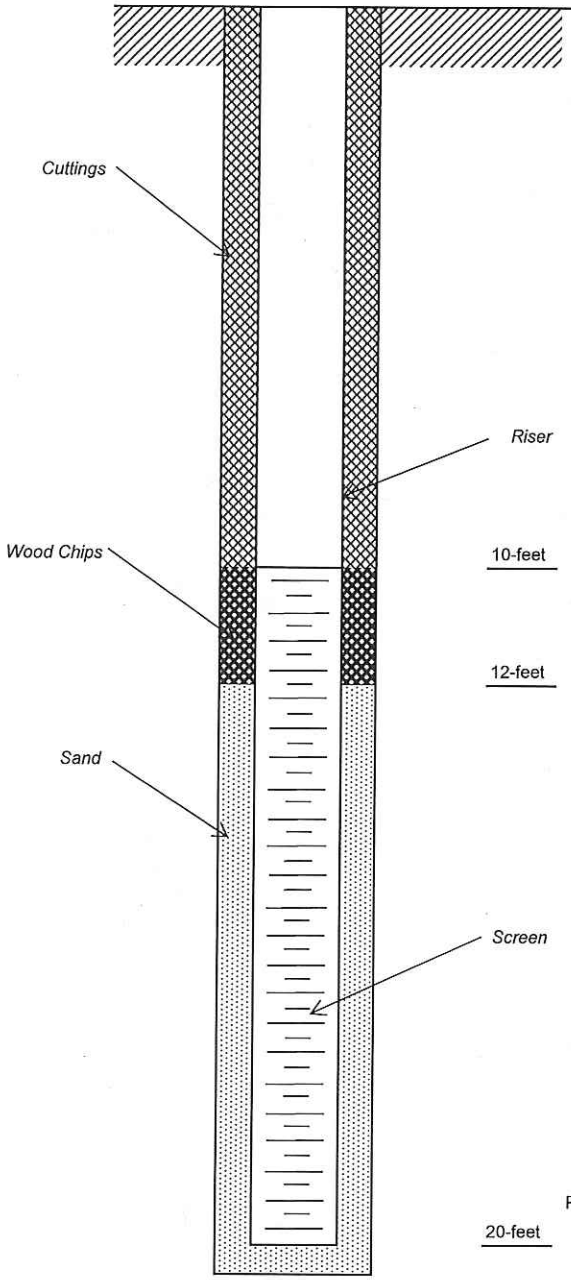
Location: Buffalo, New York

Well No.: **TP-13**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB

Drillers: D. DeLude & K. Anderson

Drill Rig/Model: Hollow Stem Auger (method)

Borehole Diameters: 4-inches

Drilling Fluid: _____

Bits/Depths: 4 foot

Total Depth: 20 feet

Depth To Water: 6.80 feet

Supervisor Geologist: Lia Estrada

WELL DESIGN

Casing Material:	PVC	Diameter:	2-inch
Screen Material:	PVC	Diameter:	2-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	10/12/15	10/12/15
Installation:	10/12/15	10/12/15
Development:	10/13/15	10/13/15

WELL DEVELOPMENT

Method: Pumping with peristaltic pump

Static Depth to Water: 6.80 feet TIC

Pumping Depth To Water: _____

Pumping Rate: _____

Spec. Capacity: _____

Volume Pumped: ~3 gal

WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park

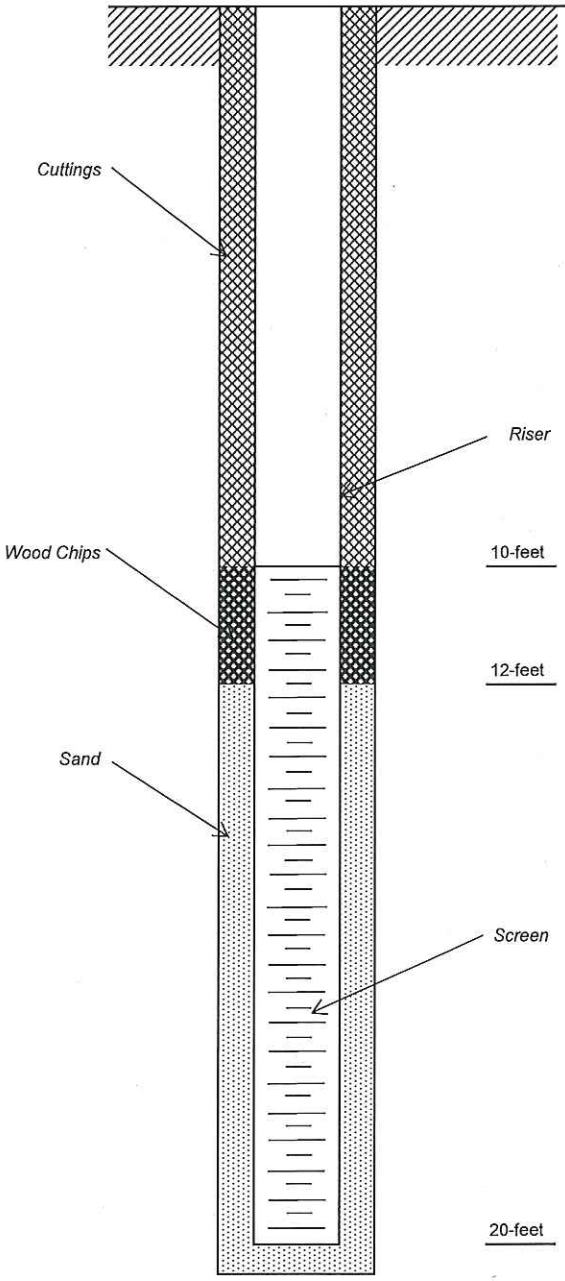
Location: Buffalo, New York

Well No.: **TP-14**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB
Drillers: D. DeLude & K. Anderson
Drill Rig/Model: Hollow Stem Auger (method)
Borehole Diameters: 4-inches
Drilling Fluid: _____
Bits/Depths: 4 foot
Total Depth: 20 feet
Depth To Water: 7.54 feet
Supervisor Geologist: Lia Estrada

WELL DESIGN

Casing Material:	PVC	Diameter:	2-inch
Screen Material:	PVC	Diameter:	2-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	10/12/15	10/12/15
Installation:	10/12/15	10/12/15
Development:	10/14/15	10/14/15

WELL DEVELOPMENT

Method: Pumping with peristaltic pump
Static Depth to Water: 7.54 feet TIC
Pumping Depth To Water: _____
Pumping Rate: _____
Spec. Capacity: _____
Volume Pumped: ~3 gal

WELL CONSTRUCTION SUMMARY

Project: Buffalo Lakeside Commerce Park

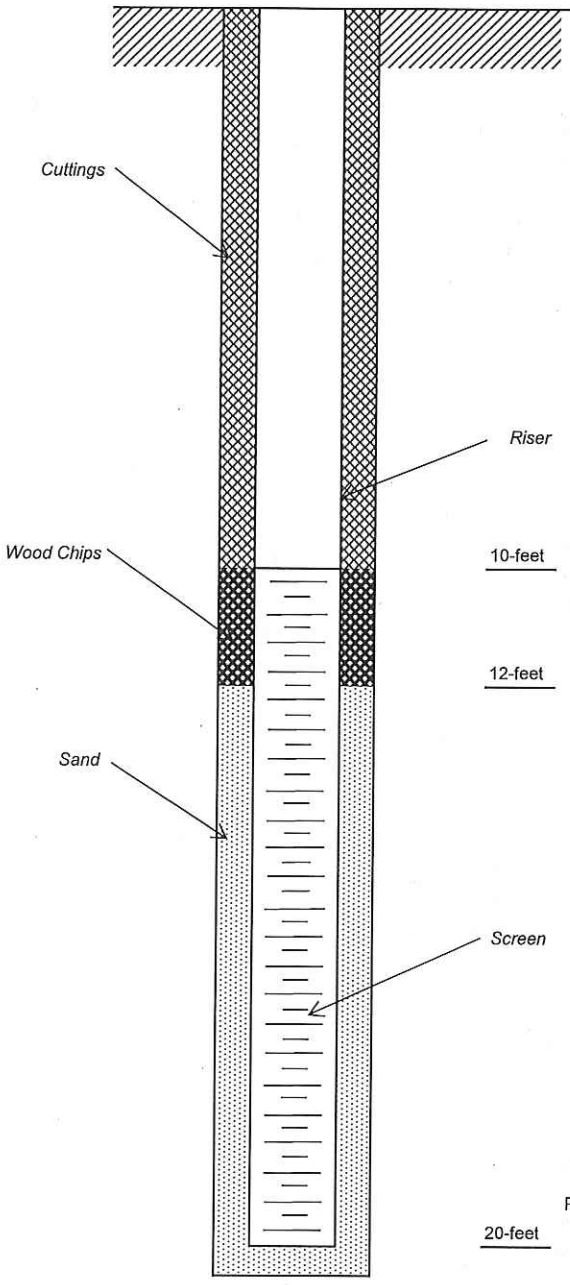
Location: Buffalo, New York

Well No.: **TP-15**

Permit No.: Not Applicable

TOC elev.: _____

Type: Temporary



DRILLING SUMMARY

Drilling Company: SJB

Drillers: D. DeLude & K. Anderson

Drill Rig/Model: Hollow Stem Auger (method)

Borehole Diameters: 4-inches

Drilling Fluid: _____

Bits/Depths: 4 foot

Total Depth: 20 feet

Depth To Water: 5.71 feet

Supervisor Geologist: Lia Estrada

WELL DESIGN

Casing Material:	PVC	Diameter:	2-inch
Screen Material:	PVC	Diameter:	2-inch
Slot Size:	10	Setting:	
Filter Material:		Setting:	
Seals Material:		Setting:	
Grout:		Setting:	
Surface Casing Material:		Setting:	

TIME LOG

	Started	Completed
Drilling:	10/13/15	10/13/15
Installation:	10/13/15	10/13/15
Development:	10/14/15	10/14/15

WELL DEVELOPMENT

Method: Pumping with peristaltic pump

Static Depth to Water: 5.71 feet TIC

Pumping Depth To Water: _____

Pumping Rate: _____

Spec. Capacity: _____

Volume Pumped: ~3 gal

Appendix D

Field Notes

Rite in the Rain®
ALL-WEATHER WRITING PAPER

ALL-WEATHER
ENVIRONMENTAL FIELD BOOK
Numbered Pages

Name CDM SMITH

Address 11 BRITISH AMERICAN BLVD, STE 200
LATHAM, NY 12110

Phone 518-782-4500

Project NYSDEC

BUFFALO LAKESIDE COMMERCE PARK
915193

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Location BUFFALO, NY Date 7/7/2014

Project / Client BUFFALO LAKESIDE COMMERCE PARK/NYSDEC

0852 K. REEPMEYER (CDM SMITH) ARRIVED ON SITE.
709F; LIGHT RAIN
WIND SSW @ 16 MPH
HUMIDITY 84%

0920 2 CREWS FROM SJB ARRIVED ON SITE.
PREMIER ON-SITE TO COMPLETE NATIONAL GRID ELECTRIC MARKOUTS.
K.R. OPENED THE SOUTH AND EAST FENCES - COULD NOT UNLOCK THE NORTH FENCE.

0945 HEALTH AND SAFETY MEETING. ALL ON SITE SIGNED IT.

0950 KR WALKED THE NORTHERN AND WESTERN PERIMETER OF THE SITE WITH PREMIER TO INDICATE BORING AND MONITORING WELL LOCATIONS (PER FIGURE 2 SITE PLAN).
DRILL RIG MOBILIZED TO MW-01.
GEOPROBE SET UP TO COMPLETE

Location BUFFALO, NY Date 7/7/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK / NYSDEC

A TEST BORING ON THE NORTH END OF THE SITE, APPROXIMATELY 100 FEET EAST OF THE LOT 9 FENCE.

1005 JEREMY FROM NATIONAL FUEL (GAS) ARRIVED ON SITE. HE VERIFIED THAT THE ONLY GAS ON SITE IS IDENTIFIED BY THE MARKERS. HIS CONTACT INFO. IS 716-913-9279.

1010 PREMIER SAID THE NORTHEAST CORNER OF THE SITE HAS ELECTRIC THAT IS NOT CHARGED (FOR FUTURE USE) SO HE CANNOT SPECIFICALLY INDICATE ITS LOCATION. HE SAID IT IS ON THE OUTSIDE OF THE GAS MARKERS.

1028 THE GEOPROBE TEST BORING HAD GOOD RECOVERY - 3 TO 3.5 FEET IN 4-FOOT ACETATE LINERS. ENCOUNTERED WATER AT APPROXIMATELY 6 FEET BELOW GROUND SURFACE (BGS).

1030 GEOPROBE CREW OFF SITE TO DROP OFF TRAILER AND GET LUNCH.

1031 MW-01 INSTALLED. 15 FEET DEEP. 5 FEET OF SCREEN. 10' RISER. BACKFILLED

Location BUFFALO, NY Date 7/7/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK / NYSDEC

WITH CUTTINGS. 1-INCH DIAMETER PVC.

~~WATER AT~~ 5R 5-FEET OF WATER.

1115 MW-02 INSTALLED. 1" PVC. 10' SCREEN. 5' RISER. 10 FEET OF FILL (TOP 10'), THEN NATURAL CLAY WAS ENCOUNTERED.

1210 MW-03 INSTALLED. 1" DIAMETER PVC. 10' SCREEN, 5' RISER (15' DEEP).

1220 A. RIELLY AND L. ESTRADA (COM SMITH) ON SITE. THEY SIGNED THE HASP. THEY WILL BE COLLECTING THE SOIL SAMPLES FROM GEOPROBE OPERATIONS. ALL SOIL BORING DATA WILL BE IN THAT FIELD BOOK.

1235 MOBILIZED TO MW-04.

1300 MW-04 INSTALLED. 1" DIA. PVC. 10' SCREEN, 5' RISER (15' DEEP).

1340 MW-05 INSTALLED. 1" DIA. PVC. 15' DEEP - 10' SCREEN,

Location BUFFALO, NY Date 7/7/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK / NYSDEC

	5' RISER.
1415	MW-06 INSTALLED. 1" DIA. PVC. 15' DEEP - 10' SCREEN, 5' RISER.
1420	SJB SET UP DECON SPACE IN FENCE ON LOT 9. DECON'ED THE EQUIPMENT (AUGERS) USED TODAY.
1547	SJB MOBILIZED TO MW-07.
1615	MW-07 INSTALLED. 1" DIA. PVC. 15' DEEP - 10' SCREEN, 5' RISER.
1620	MOB. TO MW-08.
1638	SOIL DRUM WAS STARTED. SET UP INSIDE FENCE ON LOT 9. AGREED TO MEET ON SITE AT 0730 TOMORROW (T, 7/8/14).
1650	MW-08 INSTALLED. 1" DIA. PVC. 15' DEEP 10' SCREEN, 5' RISER. COORDINATES TO BE COLLECTED ONCE ALL TEMPORARY WELLS ARE INSTALLED
1700	SJB AND COM SMITH OFF SITE.

K. Reppmeyer

Location BUFFALO, NY Date 7/8/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK / NYSDEC

0714	COM SMITH ON SITE. ONE SJB CREW ALREADY ON SITE. 72°F; CLOUDY; WIND SSW @ 10MPH. HUMIDITY 87%.
0720	SJB CREW 2 ON SITE.
0725	SJB BEGINS DRILL RIG DECON FROM INSTALLATION OF MW-07 AND MW-08. (COMPLETED M, 7/7/14).
0730	HELD TAILGATE SAFETY MEETING.
0800	MOBILIZED TO MW-09.
0835	MW-09 INSTALLED. 1" DIA. PVC. 15' DEEP - 10' SCREEN, 5' RISER.
0845	MOB. TO MW-10.
0930	MW-10 INSTALLED. 18' DEEP. 10' SCREEN, 8' RISER. HIT BEDROCK AT 18' - 2' OFF NATURAL, SOFT CLAY ABOVE IT. ADVANCED PAST 15' FOR WATER.
0942	MOB. TO MW-11.
1005	MW-11 INSTALLED. 15' DEEP - 10' SCREEN, 5' RISER. 1" DIA. PVC.
1017	MOB. TO MW-12.
1045	MW-12 INSTALLED. 15' DEEP - 10' SCREEN,

Location BUFFALO, NY Date 7/8/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

5' RISER. 1" DIA. PVC.

1147 SJB STOPPED DECON. FOR LUNCH.

1300 SJB COMPLETED DECON. PACKED UP DRILL RIG.

1315 K. REEPMEYER OFF SITE TO SHIP 2 COOLERS AND RENT WEED WACKER.

K. Reepmeyer

Location BUFFALO, NY Date 7/9/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

0715 COM SMITH ON SITE.
A. RIELLY BEGINS MARKING OUT GRID. L. ESTRADA AND K. REEPMEYER BEGIN DEVELOPING WELLS.
66°F; MOSTLY CLOUDY
WIND WSW @ 6 MPH
HUMIDITY 75%.

0750 MOB. TO MW-01
DTW: 7.45 FT TIC
DTB: 15 FT TIC
TIC IS ~14" ABOVE GROUND SURFACE
~~15 - 7.45 = 7.55'~~
~~7.55' x $(\frac{1}{2})^2 \pi$ = 5.93 ft^3~~
$5.93 ft^3 \times \frac{7.48 \text{ gal}}{ft^3} =$

VOLUME = $\pi r^2 h$
$= \pi (\frac{5}{12})^2 (15 - 7.45) \times 7.48$
$= 0.31$ gallons
3 WELL VOLUMES = 0.93 gallons

0818 BEGAN PURGING. THE WATER IS BLACK AND HAS A SHEEN. TOOK A PHOTO.

0850 MOB. TO MW-02.
DTW = 5.44 ft TIC
DTB: 15 ft

Location BUFFALO, NY Date 7/9/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK

NYSDEC

WELL VOLUME = (15 - ~~5.44~~) x π $(\frac{.5}{12})^2$

9.56 x π (.042)^2

9.56 x 0.0055

VOLUME = 0.053 ft^3

PURGE = 7.48 x 3 x .053 = 1.19 gal

0921 MOB. TO MW-03

DTW: 4.12 ft TIC

VOLUME = (15 - 4.12) x 0.0055

VOLUME = 0.060 ft^3

PURGE = 0.060 x 3 x 7.48 = 1.34 gal

1000 MOB. TO MW-04

DTW: 5.98 ft TIC

VOLUME = 9.02 x 0.0055

VOLUME = 0.050 ft^3

PURGE: .05 x 3 x 7.48 = 1.1 gal

1035 MOB. TO MW-05

DTW: 7.87 ft TIC

VOLUME = (15 - 7.87) x 0.0055 = 0.039 ft^3

PURGE = (7.48)(3)(0.039) = 0.88 gal

1110 MOB. TO MW-06.

DTW: ~~(15 -)(0.0055)~~ 5.24' TIC

VOLUME: (15 - 5.24)(0.0055) = 0.054 ft^3

PURGE: (7.48)(3)(0.054) = 1.20 gal

1140 MOB. TO MW-07

Location BUFFALO, NY Date 7/9/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK

NYSDEC

DTW = 3.82 ft TIC

VOLUME = (15 - 3.82)(0.0055) = 0.0614 ft^3

PURGE = (22.44)(0.061) = 1.38 gal

1234 MOB. TO MW-12.

DTW: 4.89 FT TIC

VOLUME: (15 - 10.1)(0.0055) = 0.056

PURGE: (22.44)(0.056) = 1.25 gal

1330 MOB TO MW-08

DTW: 5.25 ft TIC

VOLUME: (15 - 5.25)(0.0055) = 0.0537 ft^3

PURGE: (22.44)(~~0.0157~~ 0.054) = 1.20 gal

1356 MOB TO MW-11

DTW: 4.53 ft TIC

VOLUME: (15 - 4.53)(0.0055) = 0.058 ft^3

PURGE: (22.44)(0.058) = 1.30 gal

1420 MOB TO MW-10

DTW: 10.25 FT TIC

VOLUME: (20 - 10.25)(0.0055) = 0.054 ft^3

PURGE: (22.44)(0.054) = 1.20 gal

1510 K. REEPMEYER OFF SITE TO RETURN WEED WHACKER TO HOME DEPOT.

1410 K. REEPMEYER BACK ON SITE TO LOCK GATES AND PICK UP EQUIPMENT.

1425 K. REEPMEYER OFF SITE.

Location BUFFALO, NY Date 7/10/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

0720 K. REEPMEYER ON SITE.

0759 MOBILIZED TO MW-09.

DTW: 5.36 FT TIC

VOLUME: (15 - 5.36)(0.0055) = 0.053 ft³

PURGE: (22.44)(0.053) = 1.19 gal

0920 MOB TO

DTW: 7.45 FT TIC

DTB: 15 FT TIC

	°C TEMP	mS/cm Cond	mg/L DO	su pH	mV ORP	NTU TURB
0927	14.50	1.384	1.94	7.97	-133.3	170
0932	13.97	1.342	0.66	7.76	-135.9	34
0937	13.56	1.327	0.37	7.71	-132.4	15
0940	13.38	1.322	0.33	7.70	-127.0	15
0943	13.35	1.318	0.30	7.71	-130.9	11
0946	13.27	1.312	0.29	7.71	-138.2	11
0949	13.42	1.308	0.26	7.72	-138.9	10

0950 COLLECTED GW-TP-01-071014.

1015 PREPPED SAMPLE FOR SHIPMENT.

1045 K.R. OFF-SITE FOR BATHROOM

1105 K.R. ON SITE.

1114 MW-01 DTW: 7.48 FT TIC

MW-01 STICKUP: ~13" ABOVE GS.

1121 MOB. TO MW-02.

DTW: 5.44 FT TIC

Location BUFFALO, NY Date 7/10/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

DTB: 15 FT TIC

STICKUP: 5.75 IN. AGS

	°C TEMP	mS/cm COND.	mg/L DO	su PH	mV ORP	NTU TURB.
1131	15.07	1.994	0.74	8.62	-42.8	OVER
1136	15.81	1.882	0.27	8.30	-79.9	OVER

1137 EMPTIED FLOW CELL - WATER IN TUBING WAS MORE TRANSPARENT AND THE FLOW CELL WAS FULL OF VERY TURBID WATER

1141 RINSED FLOW CELL WITH GROUNDWATER TO CLEAN OUT THE SOIL THAT COLLECTED INSIDE.

1143 STARTED PUMPING TO FLOW CELL AGAIN.

1146	15.48	1.870	0.67	8.13	-81.7	330
1151	15.24	1.845	0.30	8.10	-99.0	134
1156	15.22	1.849	0.60	8.06	-99.3	65
1159	15.21	1.850	0.39	8.02	-100.2	49
1202	15.16	1.858	0.32	7.99	-97.4	36
1205	15.12	1.867	0.38	7.97	-101.6	27
1208	15.58	1.884	0.36	7.95	-84.9	23
1211	15.87	1.913	0.39	7.93	-73.5	22
1214	16.17	1.950	0.30	7.92	-81.7	17
1217	16.37	1.962	0.30	7.93	-81.0	16

1220 COLLECTED GW-TP-02-071014.

1239 DTW: 5.45 FT TIC

Location BUFFALO, NY Date 7/10/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

DRAWDOWN: 0.01 FT

H. DUDEK (NYSDEC) AND A. PICUNAS (CDM SMITH) ON SITE TO TALK TO NATIONAL GRID AND DISCUSS WORK.

1340 H. DUDEK AND A. PICUNAS OFF SITE.

1345 K.R. MOB TO MW-03.

DTW: 6.02 FT TIC

DTB: 15 FT

STICKUP: 3.25 IN. AGS

	(°C) TEMP	(mS/cm) COND.	(mg/L) DO	(SU) pH	(mV) ORP	(NTU) TURB
1355	15.91	0.635	-0.09	8.65	-145.8	910
1400	15.26	0.611	0.50	8.30	-134.3	309
1405	15.29	0.611	0.57	8.24	-131.4	226
1408	15.10	0.604	0.45	8.24	-132.1	275
1411	15.28	0.603	0.41	8.26	-133.4	266
1414	15.46	0.604	0.26	8.27	-135.0	293
1417	15.46	0.602	0.22	8.25	-137.6	275

1420 COLLECTED GW-TP-03-071014.

1443 DTW: 6.18 FT TIC

DRAWDOWN: 0.16 FT

PACKED SAMPLES FOR SHIPPING.

FB-01-071014 AT 1430.

1505 K.R. OFF SITE.

KR 7/10/14

Location BUFFALO, NY Date 7/11/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

0720 K.R. ON SITE.

61°F ; WIND SE @ 8 MPH

HUMIDITY 70%

0805 MOB. TO MW-08.

DTW: 5.30 FT TIC

~~WELL VOLUME = π(R - 5.30)(0.0055) = 0.0537~~

~~PURGE: (22.44)(0.053) = 1.20 gal~~

DTB: 15 FT

STICKUP: 5.6 FT AGS

	(°C) TEMP	(mS/cm) COND.	(mg/L) D.O.	(SU) pH	(mV) ORP	(NTU) TURB
0816	15.83	1.569	-0.20	11.43	-269.3	446
0821	15.64	1.618	0.00	11.54	-307.3	145
0826	15.67	1.635	0.21	11.59	-333.0	58
0831	15.62	1.649	0.33	11.62	-348.0	22
0836	15.65	1.654	0.21	11.62	-358.2	13
0839	15.66	1.654	0.16	11.63	-362.9	10
0842	15.66	1.655	0.08	11.63	-366.9	9
0845	15.66	1.655	0.08	11.63	-370.8	9

0847 COLLECTED GW-TP-08-071114.

0850 COLLECTED GW-DUP-01-071114.

0930 DTW: 5.31 FT TIC

DRAWDOWN: 0.01 FT

0955 CLEANED UP SITE AND PACKED COOLERS.

1118 K.R. OFF-SITE TO SHIP SAMPLES.

Location BUFFALO, NY Date 7/14/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

1040 K. REEPMEYER ON SITE.
72°F, CLOUDY, WIND E @ 5 mph
HUMIDITY 59%.

1100 TURBIDIMETER 2100P HACH CALIBRATION
<0.1 NTU 0 NTU PASSED
YSI 600 XL / XLM CALIBRATION
SPEC COND: 1.413 mS/cm 1.426 mS/cm
pH: 7.00 S.U. 7.00 S.U.
10.00 S.U. 10.00 S.U.
4.00 S.U. 3.99 S.U.
ORP: 240 mV 240.1 mV

1200 MOB TO MW-11
DTW: 4.49 FT BGS
STICKUP: 6.25 IN. AGS

	(°C) TEMP	(mS/cm) SP.COND.	(mg/L) D.O.	(SU) pH	(mV) ORP	(NTU) TURB.
1209	15.93	2.062	0.23	9.61	-289.8	1000
1214	17.55	1.667	0.28	9.69	-302.8	784
1219	18.00	1.544	0.24	9.70	-293.0	473
1224	18.26	1.455	0.24	9.71	-293.3	342
1227	17.89	1.414	0.24	9.74	-289.7	290
1230	17.72	1.401	0.23	9.76	-282.6	275
1233	17.78	1.380	0.17	9.77	-273.5	258
1237	17.90	1.364	0.21	9.78	-265.8	213
1240	17.59	1.362	0.23	9.82	-268.9	209

Location BUFFALO, NY Date 7/14/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

	(°C) TEMP	(mS/cm) SP.COND.	(mg/L) D.O.	(SU) pH	(mV) ORP	(NTU) TURB.
1243	17.53	1.359	0.19	9.85	-268.0	194
1246	17.61	1.348	0.21	9.85	-264.7	195
1249	17.48	1.349	0.22	9.87	-264.4	205
1252	17.42	1.338	0.21	9.87	-266.4	202
1255	17.84	1.333	0.20	9.87	-261.2	233
1258	17.89	1.330	0.20	9.92	-263.3	239

1300 COLLECTED GW-TP-11-071414.

1327 DTW: 4.50 FT BGS
DRAWDOWN: 0.01 FT
DTB: 15 FT ~~BGS~~ KR TIC
~~MOB. TO MW-10~~ KR
~~DTB: 20 FT BTIC~~ KR

1335 MOB. TO MW-10
DTW: 10.33 FT TIC
DTB: 20 FT TIC
18 FT BGS
STICKUP: 2' 7.5" AGS

	(°C) TEMP	(mS/cm) SP.COND.	(mg/L) D.O.	(SU) pH	(mV) ORP	(NTU) TURB.
1346	17.59	7.307	0.12	12.31	-313.8	OVER
1351	17.80	7.037	0.09	12.41	-326.8	1000
1356	16.77	7.058	0.11	12.46	-268.0	203

GROUNDWATER IS A DARK GREEN COLOR IN THE YSI CUP, BUT IS LIME

Location BUFFALO, NY Date 7/14/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

GREEN ON PAPER TOWEL.

	(°C) TEMP	(mS/cm^c) SP. COND.	(mg/L) D.O.	(SU) pH	(mV) ORP	(NTU) TURB
1401	16.81	7.027	0.07	12.45	-258.7	133
1406	17.11	7.050	0.09	12.44	-252.5	94
1409	17.39	7.051	0.05	12.42	-246.4	75
1412	17.39	7.083	0.08	12.41	-252.6	63
1415	17.21	7.086	0.06	12.40	-251.8	51
1418	17.13	7.108	0.05	12.42	-260.0	42
1421	16.98	7.086	0.05	12.42	-253.1	35
1424	16.98	7.073	0.06	12.43	-254.6	31
1427	16.65	7.077	0.01	12.44	-254.3	31

1428 COLLECTED GW-TP-10-071414.

1452 DTW: 10.30 FT TIC

DRAWDOWN: 0.03 FT

1455 MOB. TO MW-09.

DTW: 5.23 FT TIC

DTB: 15 FT TIC

STICKUP: 5 5/16 IN. AGS

	(°C) TEMP	(mS/cm^c) SP. COND.	(mg/L) D.O.	(SU) pH	(mV) ORP	(NTU) TURB
1515	15.29	3.409	0.93	12.30	-226.1	189
1520	15.61	3.344	0.34	12.07	-225.0	142
1525	15.49	3.321	0.25	12.06	-231.1	144
1528	15.72	3.310	0.28	12.06	-212.6	135
1531	15.95	3.288	0.34	12.07	-212.6	126

Location BUFFALO, NY Date 7/14/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

	(°C) TEMP	(mS/cm^c) SP. COND	(mg/L) D.O.	(SU) pH	(mV) ORP	(NTU) TURB
1534	15.97	3.282	0.13	12.10	-222.1	128
1537	15.93	3.285	0.15	12.10	-230.5	129

1540 COLLECTED GW-TP-09-071414.

1615 COLLECTED GW-DUP-02-071414.

1617 DTW: 5.24 FT TIC

DRAWDOWN: 0.01 FT

1620 PACKED SAMPLES TO SHIP.

1700 K. REEPMEYER AND A. RIELLY OFF SITE.

K. Reepmeyer 7/14/14

Location BUFFALO, NY Date 7/15/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

0720 K. REEDMEYER A. RIELLY ON SITE.
68°F, CLOUDY
WIND SSW @ 7 MPH; HUMIDITY 90%

0750 MOB. TO MW-05.
DTW: 7.85 FT TIC
DTB: 15 FT TIC
STICKUP: 1.5 IN AGS

	(°C) TEMP	(mS/cm) SP. COND	(mg/L) D.O.	(SU) pH	(mV) ORP	(NTU) TURB
0817	14.92	0.863	2.97	7.63	-130.8	47
0822	14.82	0.858	0.95	7.49	-135.6	104
0827	15.05	0.861	0.80	7.49	-135.8	65
0830	15.31	0.862	0.69	7.50	-135.1	32
0833	15.51	0.864	0.67	7.50	-131.9	28
0836	15.51	0.871	0.75	7.50	-129.9	20
0839	15.46	0.877	0.68	7.51	-129.8	16
0842	15.51	0.878	0.66	7.51	-131.9	12
0845	15.52	0.882	0.61	7.51	-133.8	11

0850 COLLECTED GW-TP-05-071514. MS/MSD TO BE RUN ON THESE.

0949 DTW: 7.91 FT TIC
DRAWDOWN: 0.06 FT

0955 MOB. TO MW-06.
DTW: 4.99 FT TIC
DTB: 15 FT TIC

Location BUFFALO, NY Date 7/15/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

STICKUP: -0.5 IN AGS

	(°C) TEMP	(mS/cm) SP. COND.	(mg/L) D.O.	(SU) pH	(mV) ORP	(NTU) TURB
1001	16.52	2.412	1.84	10.06	-161.5	OVER
1006	16.47	2.395	0.32	10.11	-184.5	OVER
1011	16.35	2.849	0.22	10.15	-183.7	OVER
1016	16.68	2.853	0.20	10.19	-165.2	995
1017	EMPTIED FLOW CELL.					
1023	17.47	2.869	0.61	10.20	-177.0	751
1028	17.34	2.868	0.24	10.20	-167.7	699
1033	17.42	2.869	0.22	10.17	-159.9	683
1038	17.20	2.869	0.16	10.14	-158.7	648
1043	17.08	2.878	0.10	10.11	-157.1	634
1048	17.06	2.882	0.18	10.08	-163.4	607
1053	16.95	2.889	0.18	10.03	-173.7	611
1056	16.76	2.895	0.15	10.02	-182.3	603
1059	16.64	2.897	0.22	10.00	-187.0	574
1102	16.56	2.897	0.19	9.98	-197.7	581
1105	16.95	2.890	0.18	9.97	-175.4	559
1108	17.20	2.901	0.17	9.91	-173.3	527
1111	17.35	2.919	0.27	9.85	-179.2	516
1116	17.64	2.914	0.25	9.83	-188.4	487
1119	17.90	2.914	0.24	9.80	-197.9	468
1122	17.46	2.936	0.22	9.77	-205.7	452

1125 COLLECTED GW-TP-06-071514.

Location BUFFALO, NY Date 7/15/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK

NYSDEC

1144	DTW: 5.97 FT TIC
	DRAWDOWN: 0.98 FT
1150	MOB. TO MW-07
	DTW: 3.35 FT TIC
	DTB: 15 FT TIC
	STICKUP: 1.65 IN AGS

	(°C) TEMP	(ms/cm) SP.CON.	(mg/L) D.O.	(SU) pH	(mV) ORP	(NTU) TURB
1204	16.68	1.059	0.38	9.10	-70.3	OVER
1205	EMPTIED FLOW CELL.					
1212	17.37	1.007	1.49	8.24	-128.9	171
1217	17.62	1.004	0.88	8.13	-129.5	47
1222	17.58	1.007	0.63	8.09	-116.1	27
1225	18.01	1.003	0.35	8.09	-116.4	21
1228	18.37	1.004	0.47	8.06	-126.9	18
1231	18.45	1.006	0.49	8.05	-116.4	13
1234	18.31	1.006	0.53	8.04	-129.1	13
1237	18.37	1.007	0.55	8.03	-139.5	13
1240	18.51	1.007	0.54	8.03	-131.2	10
1245	Collect sample GW-TP-07-071514					
1257	DTW: 3.57 FT TIC					
	DRAWDOWN: 0.22 FT					
1300	MOB TO MW-12					
	DTW: 4.71 FT TIC					
	DTB: 15FT TIC					

Location BUFFALO, NY Date 7/15/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK

NYSDEC

STICKUP: 1.75 IN. AGS

	(°C) TEMP	(ms/cm) SP.CON.	(mg/L) D.O.	(SU) pH	(mV) ORP	(NTU) TURB
1305	15.85	1.156	1.41	10.42	-171.8	210
1310	16.01	1.114	0.57	10.43	-174.1	160
1315	16.52	1.099	0.55	10.50	-179.5	92
1320	15.99	1.091	0.52	10.60	-187.7	52
1325	16.07	1.097	0.42	10.63	-190.6	35
1328	16.13	1.096	0.44	10.66	-192.2	31
1331	16.06	1.096	0.45	10.68	-194.6	22
1334	16.14	1.094	0.43	10.69	-195.2	23
1337	16.15	1.095	0.48	10.70	-193.4	19
1340	16.04	1.089	0.44	10.72	-194.8	14
1343	16.09	1.092	0.47	10.74	-196.4	13

1345	Collect GW-TP-12-071514
	DTW: 4.72 FT TIC
	DRAWDOWN: 0.01 FT
1400	PACKED SAMPLES. LABELED DRUMS.
1440	A. RIELLY OFF SITE TO RETURN TO ALBANY. K. REEPMEYER OFF SITE TO SHIP SAMPLES.

K Reepmeyer 7/15/14

Location BUFFALO, NEW YORK Date 8/25/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

1330 K. REEPMEYER AND E. ROSENZWEIG ON SITE FOR GROUNDWATER SAMPLING. SAMPLING TWELVE WELLS INSTALLED SUMMER (JULY) 2014.

WEATHER: 79°F HUMIDITY 45% WIND SSE @ 9MPH

E. ROSENZWEIG NOTES IN OTHER FIELD BOOK.

1441 KR @ TP-02. DTW: 5.73 FT TOC

	Temp (°C)	Sp. Cond	pH (SU)	ORP (mV)	Turb (NTU)	DO (mg/L)
1442	16.91	3.566	7.45	-146.7	294.1	1.08
1447	17.09	3.544	7.44	-144.9	118.6	0.62
1452	18.67	3.538	7.44	-142.3	23.7	0.53
1455	19.07	3.535	7.46	-141.5	72.9	0.51
1458	18.58	3.534	7.47	-143.1	54.2	0.48
1501	18.28	3.531	7.46	-142.4	1.6	0.48
1504	18.84	3.517	7.45	-139.2	-1.3	0.46
1507	19.13	3.516	7.45	-138.7	1.4	0.42
1510	18.87	3.511	7.45	-138.3	1.4	0.43

~~1510 SAMPLED WG-TP-02-082514.~~

~~1515 SAMPLED MS.~~ KR 8/25/14

~~1520 SAMPLED MSD~~

WENT TO SAMPLE - HAD TO MOVE THE PUMP AND FLOW CELL OFF OF THE COOLER →

K. Reepmeyer

Location BUFFALO, NEW YORK Date 8/25/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

THE SILT MOVED UP THE TUBING AGAIN. HAD TO REFILL THE FLOW CELL AND START OVER.

	Temp	Sp. Cond.	pH	ORP	Turb	DO
1526	17.41	3.471	7.57	-132.8	547.8	1.56
1531	18.31	3.463	7.48	-140.3	501.9	0.54
1536	19.07	3.466	7.47	-143.4	275.4	0.44
1539	19.25	3.465	7.46	-144.1	139.1	0.40
1542	19.15	3.466	7.45	-143.3	58.2	0.39
1545	19.17	3.461	7.45	-140.6	21.8	0.38
1548	19.22	3.458	7.44	-137.6	14.5	0.38
1551	19.26	3.453	7.44	-136.2	12.5	0.38
1554	19.21	3.454	7.42	-134.6	7.3	0.38
~~1557~~	~~19.12~~	~~3.445~~	KR			

FLOW CELL WAS KNOCKED OVER SWITCHING OUT BUCKETS

1559	20.41	3.459	7.44	-122.1	79.8	0.99
1604	19.16	3.445	7.40	-132.6	4.3	0.39
1607	19.31	3.436	7.41	-133.5	4.0	0.37

1615 SAMPLED WG-TP-02-082514.
WG-TP-MS-082514
WG-TP-MSD-082514.

1720 DTW: 6.65 FT. TIC

1730 KR AND ER OFF SITE TO FEDEX

K. Reepmeyer

Location BUFFALO, NY Date 8/26/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

0855 E. ROSENZWEIG AND K. REEPMEYER ON SITE. E.R NOTES IN OTHER FIELD BOOK.
WEATHER: 70° F HUMIDITY: 65% WIND: SSW 9 mph

0856 KR MOB. TO TP-01. DTW: 7.75 FT TIC

	TEMP	SP.COND.	pH	ORP	TURB	D.O.
0909	14.99	1.764	7.93	-30.9	102.2	1.00
0914	15.41	1.771	7.63	-110.6	178.4	0.49
0919	15.35	1.769	7.50	-136.1	293.6	0.36
0924	15.21	1.769	7.45	-146.0	309.5	0.32
0929	15.07	1.765	7.42	-154.5	303.4	0.29
0932	14.54	1.762	7.36	-163.8	215.8	0.27

EMPTIED FLOW CELL. WATER IN CELL NOT REPRESENTATIVE OF WATER IN TUBING.

0941	14.99	1.773	7.43	-112.6	237.5	01.15
0946	15.21	1.770	7.34	-147.3	143.2	0.41
0951	15.29	1.774	7.34	-165.2	65.8	0.31
0956	15.40	1.772	7.34	-173.2	56.1	0.27
0959	15.52	1.771	7.34	-176.7	34.7	0.26
1002	15.50	1.775	7.33	-176.3	28.3	0.25
1005	15.59	1.771	7.33	-152.3	22.6	0.24
1008	15.48	1.776	7.32	-142.0	18.1	0.23
1011	15.53	1.773	7.31	-112.2	15.9	0.22
1014	15.63	1.771	7.31	-97.2	14.7	0.22

1015 SAMPLED WG-TP-01-082614.

K. Reepmeyer

Location BUFFALO, NY Date 8/26/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

1034 E.R. SAID INSTRUCTIONS ARE TO FIELD FILTER METALS AND HEX. CHROM. DUMPED OUT HEX. CHROM AND REFILLED WITH FILTERED.
THE SVOC AMBERS WERE PRESERVED WITH H_2SO_4. I RINSED THEM WITH THE WELL WATER THREE TIMES BEFORE COLLECTING THE SAMPLE.

1100 KR SET UP AT TP-11.
DTW: 4.97 FT TIC

	TEMP	SP.COND	pH	ORP	TURB.	D.O.
1109	16.27	2.214	10.30	-330.8	145.7	0.98
1114	16.46	2.181	10.36	-349.5	58.7	0.40
1119	16.19	2.162	10.36	-311.2	14.5	0.30
1124	16.08	2.143	10.34	-297.7	3.3	0.26
1127	16.02	2.139	10.32	-296.3	1.5	0.25
1130	15.97	2.131	10.31	-285.7	0.6	0.24
1133	16.07	2.124	10.30	-282.8	0.0	0.22

1135 SAMPLED WG-TP-11-082614.

1200 KR AND ER OFF SITE FOR LUNCH AND ICE, BAGS, SUPPLIES.

1315 KR SET UP AT TP-12.
DTW: 5.28 FT TIC

K. Reepmeyer

Location BUFFALO, NY Date 8/26/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

i	TEMP	SP. COND.	pH	ORP	TURB.	D.O.
1332	16.26	1.035	10.17	-102.3	219.9	1.50
1337	15.71	1.062	10.06	-170.2	136.6	0.53
1342	15.97	1.091	10.00	-178.2	55.8	0.39
1347	15.88	1.097	10.00	-180.5	50.2	0.34
1350	15.73	1.101	9.98	-180.8	167.7	0.33
1353	15.89	1.096	9.97	-181.3	108.1	0.30
1356	15.73	1.101	9.99	-183.6	205.4	0.29
1359	15.74	1.102	9.95	-183.6	237.1	0.26
1402	15.69	1.106	9.96	-185.3	190.1	0.29
1405	15.74	1.107	9.95	-186.1	206.5	0.26
1408	15.73	1.106	9.96	-188.5	239.0	0.26
1411	15.85	1.103	9.96	-189.7	218.0	0.23
1414	15.81	1.100	9.96	-190.5	223.4	0.24
1417	15.88	1.104	9.95	-190.2	212.4	0.22
1420	15.92	1.105	9.95	-190.5	198.8	0.21
1428	SAMPLED WG-TP-12-082614.					
1500	MOB TO TP-03. DTW: 4.23 FT TIC					
	TEMP	SP. COND.	pH	ORP	TURB.	D.O.
1516	17.45	0.612	9.02	-183.2	72.2	0.74
1521	17.20	0.583	8.85	-191.4	40.4	0.41
1526	16.98	0.565	8.89	-200.4	21.9	0.36
1531	16.93	0.547	8.93	-207.7	24.7	0.31
1534	17.07	0.540	8.92	-210.5	15.2	0.27

K Reepmeyer

Location BUFFALO, NY Date 8/26/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

	TEMP.	SP. COND.	pH	ORP	TURB	D.O.
1537	17.17	0.535	8.93	-211.6	6.1	0.25
1540	17.13	0.534	8.93	-212.1	4.4	0.25
1543	17.18	0.532	8.89	-211.6	11.3	0.23
1546	17.29	0.531	8.92	-215.2	4.4	0.23
1549	17.29	0.529	8.93	-217.6	2.0	0.22
1552	17.26	0.529	8.93	-218.6	1.6	0.21
1555	17.28	0.528	8.92	-219.2	1.0	0.21
1558	17.29	0.527	8.91	-219.9	0.9	0.20
1559	SAMPLED WG-TP-03-082614.					
1700	KR AND ER OFF SITE TO FEDEX TO SHIP SAMPLES.					

KR 8/26/14

K Reepmeyer

Location BUFFALO, NY Date 8/27/14

Project / Client BUFFALO LAKESIDE COMMERCE PARK NYSDEC

	0820	KR AND ER ON SITE.					
		WEATHER: 70°F HUMIDITY: 70% WIND: N 10MPH					
	0830	MOB. TO TP-05. DTW: 7.98 FT TIC					
		TEMP	SP. COND.	pH	ORP	TURB	D.O.
	0847	16.41	0.863	8.36	74.6	30.2	2.98
	0852	15.20	0.851	7.86	-82.1	6.6	1.50
	0857	15.00	0.852	7.75	-110.0	0.2	0.63
	0900	15.01	0.856	7.70	-122.6	1.2	0.52
	0903	15.03	0.857	7.68	-118.5	0.1	0.47
	0906	15.05	0.858	7.66	-117.4	-1.4	0.44
	0909	15.05	0.859	7.64	-48.1	-1.7	0.41
	0912	15.05	0.861	7.62	-15.3	0.2	0.38
	0915	15.08	0.861	7.61	-15.0	-1.4	0.37
	0918	15.09	0.863	7.60	4.7	-1.9	0.35
	0921	15.10	0.864	7.59	10.7	-1.9	0.34
	0924	15.10	0.865	7.58	-4.1	-2.0	0.33
	0927	15.07	0.866	7.57	-9.6	-2.1	0.32
	0930	15.09	0.867	7.56	4.3	-2.0	0.31
	0933	15.10	0.868	7.55	-18.1	-2.1	0.30
	0936	15.12	0.869	7.55	-0.4	-2.2	0.29
	0939	15.12	0.870	7.54	5.8	-2.2	0.29
	0942	15.11	0.871	7.54	5.0	-2.2	0.29
	0943	COLLECTED WG-TP-05-082714.					
	1015	KR AND ER OFF SITE TO PINE SYRACUSE.					

K Reepmeyer

CONTENTS

PAGE	REFERENCE	DATE

Location _____ Date 7/7/14

Project / Client NYSDEC Buffalo Lakeside Commerce Park

7/7/14 12:00 A. Reilly and L. Estrada on site, K. Keepmeyer and SJB already onsite

Weather: overcast, 75°F

Already installed three temp wells

1245 Begin geoprobe SB-01

0-4 ft: 0-1 topsoil, fill material recovery 4ft 1-2 brown, fill material some concrete chunks, gravel

2-3 dark brown fill material some ash, brick

3-4 dark soil, fill, some brick pieces, ash

4-8' recovery 4 ft

4-5 hard packed, black silty material, some brown clay

5-6 dark silty material, some rock

6-7 black silty material, moist

7-8 wet, black silty material

8-10 recovery 2 feet.

8-9 black on outside, brown silty sand inside

9-10 wet, black silty material

Location _____ Date _____

Project / Client _____

13:05 Collect SB-01-10-070714.
PID is reading 21.0 ppm for ambient air, no change when screening SB-01 from 0-10 feet
13:15 Setup at SB-02
PID ambient air 17.6 ppm
0-4' recovery 4.0 ft
0-1 top soil, brown
1-2 brown fill material, chunks of concrete
2-3 brown fill, some wood
3-4 brown fill, chunks of concrete. blueish rock
4-8 recovery 4 ft
4-5' brown fill soil, some spots of blue fill material, chunks
5-6 brown soil, hard brown clay
6-7 brown fill, some black silty material, moist
7-8 brown fill, some brown clay wood chunks
8-10 wet, black silty material some brownish material inside
13:35 Collect SB-02-10-070714

Location _____ Date _____

Project / Client _____

K. Reepmeyer spoke with A. Picunas said not to collect hex chromium sample bc method not approved. - PID did not change while screening SB-02, stayed ~ 17 ppm
13:40 Setup at SB-03
0-4' recovery 4 feet
0-2 brown fill, some concrete chunks
2-3 brown fill material some brown clay
3-3.5 brown fill, broken up concrete
3.5-4.0 brown fill, brick fragments
4-8' recovery 3'
4-5 dark brown clay and fill material w/ wood fibers
5-6 brown soil with gray ash, some loose, some hardened
6-7 brown silty material, moist, large chunks concrete and rocks
8-10 wet, soupy brown silty material 8-9', bottom foot is

Location _____ Date _____

Project / Client _____

blacker material, very wet, chunks of black rock, gravelly

1345 Collect SB-03-10-070714

1347 setup at SB-04, PID ambient 22.4 ppm

0-4', recovery 3.0 ft

1-2' brown fill, brick pieces

2-3 brown fill, brick pieces, blueish colored ash material, purple colored chunk of hard material, rock pit at ~ 3', PID 38.0 ppm

3-3.5 brown fill, dry, some concrete chunks

3.5-4 dry, brownish red gravelly silty material, some dark gray hard chunks of material (concrete

4-8 recovery 4.0 feet

4-5 dark brown silty clay with some wood fiber, wet at 5'

5-6 brown, silty clay, little gravel

6-7 dryer, brown silty material, some gravel, small pieces of gray concrete, brick dust

7-8 dark brown gravelly, silty chunks of gray ashy material

Location _____ Date _____

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8-10 recovery 2.0 feet

8-9 brown silty clay, moist

9-10 brown silty, some clay, area of gray concrete chunks and broken up concrete dust

bottom 0.5 feet is primarily brownish silty clay, moist, some gravel

1400 Collect SB-04-10-070714

1410 set up at SB-05

0-4 feet, recovery 3.5 feet

0.5-1.0 brown fill, root material

1-2 brown fill, small pieces of orangish concrete/granular material

2-3 brown fill, rocks

3-4: 3 inch layer of purple sandy material, moist brown fill material, some brown clay, rocks, concrete chunks

4-8 recovery 3.0 feet

4-5 very wet, brown outside, gray gravelly silty clay inside

5-6 brown/gray silty clay

Location _____ Date _____

Project / Client _____

6-7 moist black, gravelly silty material, brick pieces, bottom 0.5 feet primarily larger chunks of gray rock with silty brown/black material

8-10 recovery 1.0'
Very wet, soupy, dark brown/black gravelly silt

14:20 Collect SB-05-10-070714

14:25 Set up at SB-06

0-4 feet recovery 4.0 feet
0-1 brown fill, some blue colored rock, wood fibers
1-2 brown fill inside, black ashy material outside, some chunks of white rock material
2-3 black silty, gravel material some rock
3-4 dark black, silty, gravelly material w/ large pieces of wood

4-8 recovery 4.0 feet
4-5 dark brown silty with some wood fibers, concrete dust

Location _____ Date _____

Project / Client _____

5-6 dark silty material, gravel

6-8 dark silty with gravel, wet

8-10 wet, soupy, dark brown silty, some gravel

14:35 Collect SB-06-10-070714 + duplicate FB-01-070714

PID ambient reading 14.8 ppm

14:50 Set up at SB-07 (blue fill area) had trouble advancing geoprobe, then difficulty getting rod out moved geoprobe twice to advance pulled 0-2 feet, went down again to get separate 2-4' sample
0-2 recovery 2'
0-1 brown fill, some gravel, large pieces of concrete
1-2 brown granular fill, gravel some brick dust, wood fiber; darker gray in color

2-4 recovery 2 feet
2-3' 0.5 feet of dark, granular fill 0.5 feet blue and white granular fill material / chalky

Location _____ Date _____

Project / Client _____

3-4' black and brown granular fill material, some brick dust/pieces, concrete

1555 collected SB-007-03-070714, area of blue/white dusty material

4-6' separate sample

4-4.5' gray ashy material, wet

4.5-5.0' brick layer above moist, black granular fill material

5.0-5.5' - orange colored silty material, moist

5.5-6.0' - sawdust/wood material outside, black granular fill inside

6-8' separate sample -

black, granular silty material, ~~wet~~ some rocks, moist

8-10' black granular, some gravel, wet, some wood fibers

16:10 Collect SB-07-10-070714

16:15 Set up at SB-08

0-4' recovery 3'

1-2' brown fill, some gravel, moist

2-4 brown fill, some gravel, silty

4-8 recovery 4

4-5 brown silty, some brown clay

Location _____ Date _____

Project / Client _____

5-6' brown granular fill, some concrete pieces

6-7 concrete pieces 0.5 foot of ~~bluish~~ gray hard material, looks ~~porous~~ (took pic) bluish streaks on outside. 0.5 feet white dusty material, looks similar to sample taken at SB-07 at ~3 ft

7-8 wet, gray concrete chunks slag.

16:30 collected sample SB-08-34-070714 because rest of boring was very granular, consisted of large, hard pieces of material, slag?

16:35 SJB disposed of soil cuttings and drummed

16:45 K. Reepmeyer and A. Rielly replaced locks around site.

17:00 CDM Smith and SJB off-site

7/11/14

Location _____ Date 7/8/14

Project / Client _____

Weather: partly sunny 70°F

7:15 K. Reepmeyer, A. Reilly, L. Estrada and JJB (4 personnel) onsite

7:30 Safety tool box mtg

7:40 Calibrated PIDs, now reading 0.0 ppm

Plan to continue soil borings beginning at SB-09, K. Reepmeyer overseeing temp MW install and develop wells

8:00 Set up at SB-09

0-4' recovery 3 ft

0-1 topsoil, brown PID 0.0

1-2 topsoil, brown PID 0.0

2-3 hard packed, brown topsoil, some brown clay, concrete pieces

4-8' recovery 3'

5-6 brown fill, lots of wood fibers, some brick pieces PID 0.0

6-8 brown fill, moist, lots of wood pieces, brick chunks

8-10 recovery 1 foot

gravel with silt, wet, brick pieces wood fibers PID 0.0 ppm

8:10 Collect SB-09-04-070814A clay/soil mix, rest of boring was primarily gravelly wood, brick pieces

Location _____ Date 7/8/14

Project / Client _____

8:15 Set up at SB-10

0-4' recovery 3 ft

0-1 ft. brown soil, wood chunks

1-2 ft brown fill, some gravel black chunks (charcoal like)

2-3 brown fill, some concrete chunks, rock

4-8 recovery 4.0 ft

4-5 brown fill, gravel, large pieces of concrete / brick, wood

5-8', wet, brown, silty, some small gravel PID 0.0 ppm

8-10' recovery 1.5 feet

wet, silty with gravel, dark brown

8:25 Collect SB-10-10-070814A + MS/MSD

8:30 Set up at SB-11

0-4 ft recovery 4.0 ft PID 0.0 ppm

0-1' brown silt with brick pieces, some light brown sand, brown clay

1-3' moist, brown sand, brick pieces outside PID 0.0

2-3 dark brown fill/soil with some concrete pieces

3-4 brown sand, brick dust/pieces hard gray clay bottom 4 inches

Location _____ Date _____

Project / Client _____

4-8 recovery 3 feet PID 0.0
4-5 orange brick pieces, dust
5-6 concrete chunks, wet, black silty with wood fibers, some gravel
6-7 silty gravel, wet, gray
8-10 recovery 2 feet
8-9 loose, wet gravel
9-10 wet, gravel, blackie gray
8:40 Collect SB-11-10-070814 A + FD-02-070814 A
8:55 SB-12 setup
0-4' recovery 3 ft PID 0.0
0-1 topsoil, grass, some brown clay
1-2 brown fill, some gravel
2-3 brown fill, some gravel bottom 6 inches is light brown sand
4-8' recovery 3 feet,
0-1 brown fill, some gravel, dry
1-2 wet, dark brown silty, lots of wood chunks, large rocks
2-3' wet, gravelly silty, dark brown bottom 3 inches gray concrete dust

Location _____ Date _____

Project / Client _____

8-10 recovery 2.0 feet PID 0.0
wet, silty gravel, dark brown some concrete chunks at bottom 2".
9:00 Collect SB-12-10-070814 + hex chro
9:00 talked to Amy Piccinas. Need to go back and collect hex chromium samples from previous locations. Told her we are seeing a lot of gravelly material, C&D fill.
9:10 Set up at SB-13
0-4 ft recover 3 ft PID 0.0 ppm
0-1 brown fill, some bluish concrete chunks, took pic
1-2 brown granular fill, some gravel
2-3 harder packed brown fill some charcoal at bottom 2"
4-8 ft, recovery 3 ft PID: 0.0 ppm
0-1: brown fill, loose, some gravel
1-2: blue/gray concrete chunks slag, some brick dust
2-3: moist, brown gravelly some gray concrete chunks
8-10 recovery 1.0 feet
Wet, dark brown gravelly with

Location _____ Date 7/8/14

Project / Client _____

Some silty, large rocks

9:20 Collect SB-13-08-070814

bottom 8-10' interval too gravelly to collect sample

9:25 Set up at SB-14

0-4 ft, recovery 3 feet, PID 0.0 ppm

0-1 moist, brown fill, some large rock, gravel

1-2 dark brown topsoil / fill, loose

2-3 dark brown fill, some lighter orange sand, little gravel, loose

4-8, recovery 1.0 foot

moist, dark brown fill / topsoil

Some concrete chunks, wood pieces

8-10' recovery 2.0 feet

Soupy, wet, brown silty material

Some large concrete, gravel

9:35 collect SB-14-10-070814

9:42 Set up at SB-15

0-4' recovery 3.5 feet PID 0.0 ppm

0-2: brown fill/soil, some gravel

2-3: brown fill, sawdust

3-3.5': brown, silty with brown clay, moist

Location _____ Date 7/8/14

Project / Client _____

4-8 ft recovery 4.0 ft PID 0.0

4-5: brown silty with some wood chips

5-6 blackish brown, moist, silty with some small gravel

6-7 moist, black/dark gray silty material some gravel

7-8 wet, dark gray, silty, some concrete chunks

8-10 recovery 1.0 ft PID 0.0 ppm

wet, dark gray, silty, little gravel

9:50 Collect SB-15-08-070814

10:00 Setup at SB-16

0-4 feet recovery 4.0 ft PID 0.0

0-1 brown soil fill, wood particles

1-2 brown soil fill, some sawdust a little blue & purple rock & dust (took pic)

2-4 dark brown silty with some gravel, loose

4-8' recovery 4.0 feet PID 0.0

4-5 loose, dry dark brown silty soil, some specks of blue rock

5-6 wet, brown silty with gravel, wood chunks

Location [illegible] Date 7/8/14

Project / Client

6-7' wet, lots of wood fibers, dark gray silty granular material some white colored concrete fragments

7-8 wet, dark gray/black silty with large chunks of both silvery & light brown.

8-10' recovery 2.0 ft
8-9 dark gray, black silty with small gravel, wet
9-10 dark gray silty, some gray clay, wet

10:15 collect SB-16-10-070814

10:35 Going back to boring locations collected 7/7/14 to collect hex chromium

10:40 Set up at SB-01, hole offset ~3 ft from original to north

10:45 Collect SB-01-070814 for hex chrom at 10 ft

10:50 Set up at SB-02, hole offset ~2 ft from original to south

11:00 Collect SB-02-10 for hex chrom black silty wet

11:05 Set up at SB-03, hole ~2 ft from original to south

Location Date 7/8/14

Project / Client

11:15 Collect SB-03-10 for hex chromium

11:18 Set up at SB-04, new hole offset ~3 ft south of original
8-10 ft recovery 2 ft
8-9 broken up concrete
9-10 dark brown, moist, silty with some gravel

11:25 Collect SB-04-10 for hex chrom

11:30 Set up at SB-05, new hole offset ~2 ft east of original
* took 2 pics of orange granular material at ~2 ft bgs, broken up and chunks

11:45 Collect SB-05-10 for hex chrome wet, black gravelly silt with some clay

12:00 break, SJB back to office to pick up trailer

12:00 - 12:30 labeled samples and filled out COCs, Katelyn to drop off samples collected so far at FedEx

For samples collected in morning on 7/8/14 w/o hex chrom, labeled them as A, ie SB-09-10-070814A

Location _____ Date 7/8/14

Project / Client _____

12:40 Set up at SB-06, hole located ~2 ft west of original.

12:45 Collect SB-06-10-070814 & FD-07-070814 for hex chromium

12:55 Set up at SB-07

13:00 Collect RB-01-070814

13:05 Collect SB-07-03-070814 hex chrom

13:10 Collect SB-07-10-070814 hex chrom

13:15 Lightning spotted, stop work

13:35 Resumed work
Set up at SB-08

13:40 Collect SB-08-04-070814 hex chrom

13:45 Set up SB-09

13:50 Collect SB-09-04-070814 B hex

13:55 Set up at SB-11

1405 Collect SB-11-10-070814 B and FD-02-070814 B hex chromium

1 pic of SB-11-0-4 with concrete/brick layers had to take sample composite from ~7'-10' bgs to get sample w/o gravel, rock or debris, included some red brick dust, light orange dust material

1410 Set up at SB-10 ~2 feet north of original hole

Location _____ Date 7/8/14

Project / Client _____

14:20 Collect SB-10-10-070814B + MS/MSD for hex chromium

14:30 STB demobing

14:45 STB offsite

14:45 A. Reilly & L. Estrada packaging/labeling samples

15:00 Offsite to FedEx & get ice

15:30 meet K. Reepmeyer at FedEx heavy rain and potential for more t-storms. K. Reepmeyer to check on getting a wet vacuum for tomorrow. Tomorrow's plan is to develop wells and mark out grid.

7/8/14

Location _____ Date 7/9/14

Project / Client _____

7:15 A. Zielly, K. Reepmeyer, L. Estrada onsite

Weather 68°F, sunny

Katelyn & Lia begin developing wells, Alison R. marking out grid

10:20 Complete marking out grid

10:20 A. Zielly offsite to get gas and water

10:45 A. Zielly & L. Estrada GPS boring & mw locations

NAD 1983 (CONUS) CORS96

SB-01	1488846.53 N	SB-03	1488593.12 N
	-674210.12 E		-674051.24 E
	477.36 HAE		471.12 HAE
MW-04	1488902.82 N	SB-02	1488726.02 N
	-674269.11 E		-674290.57 E
	471.74 HAE		474.22 HAE
MW-05	1488813.21 N	SB-04	
	-674102.27 E		1488622.62 N
	474.23 HAE		-674270.24 E
			473.00 HAE

Location _____ Date 7/9/14

Project / Client _____

MW-06	1488557.09 N	SB-05	1488557.99 N
	-674193.44 E		-674476.64 E
	473.45 HAE		472.38
SB-06	1488524.07 N	MW-07	1488490.04 N
	-674609.08 E		-674463.57 E
	471.76 HAE		467.65 HAE
MW-08	1488299.63 N	SB-07	1488282.82
	-674825.73 E		-674890.20
	469.11 HAE		467.25
SB-08	1488226.96 N	MW-11	1488100.50 N
	-675050.95 E		-675352.03 E
	469.15 HAE		472.07 HAE
SB-09	1488422.31 N	MW-01	1488510.05 N
	-675150.32 E		-675117.54 E
	476.85 HAE		473.42 HAE
SB-11	1488564.59 N	SB-10	1488474.47
	-675093.66 E		-675022.51
	471.66 HAE		470.20

Location _____ Date 7/9/14

Project / Client _____

SB-13 1488491.36 N
-674947.60 E
469.36 HAE

SB-14 1488550.71 N
-675001.71 E
470.00 HAE

SB-12 1488610.85 N
-674973.82 E
470.51 HAE

MW-09 1488498.08 N
-675566.88 E
468.34 HAE

SB-15 1488683.09 N
-674773.97 E
467.16 HAE

SB-16 1488658.79 N
-674611.06 E
471.70 HAE

MW-12 1488650.54 N
-674556.42 E
469.23 HAE

MW-03 1488820.05
-674553.36
465.85 HAE

13:00 Begin surface soil sampling

13:05 Collect SS-01-070914
SS-01 1488562.71 N
-675140.24 E
464.20 HAE

13:15 Collect SS-02-070914
SS-02 1488510.48 N
-675157.13 E
464.67

Location _____ Date 7/9/14

Project / Client _____

13:23 Collect SS-03 ~~-09~~070914
Spots of metallic, shiny material on surface
SS-03 1488413.30 N
-675149.85 E
471.19 ft HAE

13:30 Collect SS-04 070914
Spot of shiny metallic material.
Rusty debris near surface
SS-04 1488286.56 N
-675137.65 E
470.69 HAE

Collect SS-FD-01 070914

13:40 Collect SS-05-070914
near some bricks and pieces of bluish white concrete / slag
1488195.07 N
675103.69 E
467.52 HAE

13:45 Collect SS-06 070914
near some brick pieces
SS-06 1488221.75 N
-675011.98 E
467.92 HAE

Location _____ Date 7/9/14

Project / Client _____

12:55 Collect SS-07-070914 near area of rusted metal rod and broken up concrete pieces
1488335.01 N
675050.09 E
469.25

14:00 Collect SS-08-070914 surface soil is darker than surrounding area.
1488422.40 N
-675058.94 E
472.72 HAE

14:10 Collect SS-09-070914 near broken brick, crumbled concrete, gray brick
1488507.45 N
-675050.21 E
468.28 HAE

14:55 Collect SS-10-070914 and SS-FD-02-070914
1488600.16 N
-675093.57 E
469.32 HAE

15:15 Offsite to FedEx
K. Reepmeyer to return weed whacker

Location _____ Date 7/10/14

Project / Client _____

7/10/14

7:20 A. Rielly, K. Reepmeyer and L. Estrada onsite
Weather; 61°F sunny
7:50 K. Reepmeyer developing MW-08, A. Rielly and L Estrada continuing with surface soil sampling
8:00 Collect SS-11-071014 + MS/MSD
1488613.85 N PID: 0.0 ppm
-674991.99 E
467.42 HAE
8:10 Collect SS-12-071014 PID: 0.0 ppm
1488528.92 N
-674999.26 E
469.08
8:16 Collect SS-13-071014 PID: 0.0 ppm
1488417.02 N
-675009.52 E
469.69
8:25 Collect SS-14-071014 PID: 0.0 ppm located directly south of an existing MW located in a depression surrounded by boulders
1488314.98 N
674973.98 E
470.56 HAE

Location _____ Date 7/10/14

Project / Client _____

8:30 Collect SS-15-071014 PID: 0.0 ppm near slag and possible staining in rock (closest to staining we have saw)
1488273.68 N
-674908.20 E
463.71

8:48. A. RIELLY and L. ESTRADA OFFSITE TO GET ICE.

9:05 Back onsite, label samples & bag ice

9:25 Collect SS-16-071014
1488655.08 N PID: 0.0 ppm
-674893.11 E
467.84 HAE

9:37 Collect SS-17-071014 PID: 0.0 ppm
1488576.98 N
-674820.21 E
468.18 HAE

9:50 Collect SS-18-071014 PID: 0.0 ppm
1488496.12 N
-674835.71 E
466.414 HAE

10:00 Collect SS-19-071014 PID: 0.0 ppm
1488374.84 N
674759.80 E
466.11 HAE

Location _____ Date 7/10/14

Project / Client _____

10:15 Collect SS-20-071014 PID near some bluish and purple rock/cement pieces (trash pit) in vicinity of blue fill area
1488289.65 N PID: 0.0 ppm
-674816.11 E
464.66 HAE

10:43 A. RIELLY and L. ESTRADA OFFSITE TO FEDEX.

11:40 A. Rielly and L. Estrada back onsite. Shipped all samples collected in AM (10 surface soil, one GW)

12:05 Collect SS-21-071014 PID: 0.0 ppm
1488680.02 N
-674782.28 E
464.77

12:15 Collect SS-22-071014 PID 0.0
1488608.23 N
-674731.04 E
465.51 HAE

12:20 Collect SS-23-071014 + MS/MSD
1488546.38 N
-674704.40 E
467.89 HAE

Location _____ Date 7/10/14

Project / Client _____

1230 Collect SS-24-071014 and SS-FD-03-071014 PID: 0.0ppm
1488435.57 N
-674644.07 E
463.83 HAE

12:50 Collect SS-25-071014 PID: 0.0ppm
1488738.63 N
-674609.09 E
466.50 HAE

12:55 Collect SS-26-071014
1488711.49 N PID: 0.0ppm
-674585.15 E
470.58 HAE

13:28 Collect SS-27-071014 PID: 0.0ppm
* ~~TIDDLE~~ TRIMBLE DIED → FLAGGING

13:35 Collect SS-28-071014
brown clay, close to wetland
PID: 0.0 ppm

1350 Collect SS-29-071014
1358 Collect SS-30-071014
1402 Collect SS-31-071014
1412 Collect SS-32-071014
1430 Pack samples
1500 Offsite to FedEX

Location _____ Date 7/11/14

Project / Client _____

7:20 A. Rielly, K. Reepmeyer, L. Estrada onsite
Weather 61° F sunny
Plan is to continue surface soil sampling and GW sampling.
7:40 A. Rielly & L. Estrada GPS surface soil locations collected after Trimble unit dried on 7/10/14

SS-27 1488590.36 N -674528.16 E 469.25 HAE
SS-28 1488483.33 N -674504.36 E 462.43 HAE
SS-32 1488547.47 N -674362.38 E 466.66 HAE
SS-31 1488631.40 N -674422.10 E 467.07 HAE
SS-30 1488733.11 N -674461.52 E 469.36 HAE
SS-29 1488771.68 N -674521.90 E 468.64 HAE

8:00 Collect SS-33-071114
1488738.21 N PID = 0.0 ppm
-674350.48 E
470.02 HAE

8:10 Collect SS-34-071114 PID = 0.0 ppm
1488669.10 N
-674367.69 E
467.82 HAE

Location _____ Date 7/11/14

Project / Client _____

8:15 Collect SS-35-071114 PID: 0.0 ppm
1488518.54 N
-674295.64
462.00 HAE

8:22 Collect SS-36-071114 PID 0.0 ppm
1488568.02 N
-674188.77 E
466.99 HAE

8:27 Collect SS-37-071114 PID 0.0 ppm
and SS-FD-04-071114
1488661.75 N
-674 211.40 E
471.82 HAE

845 Collect SS-38-071114 PID 0.0
1488716.14 N
-674271.02 E
470.04 HAE

852 Collect SS-39-071114 PID 0.0 ppm
1488821.50 N
-674 273.71 E
470.05 HAE

900 Collect SS-40-071114 PID 0.0 ppm
Surface soil is sandy
1488870.31 N -674342.28 E
472.19 HAE

Location _____ Date 7/11/14

Project / Client _____

910 Collect SS-41-071114 PID: 0.0 ppm
1488865.62 N
-674215.26 E
477.42 HAE

920 Collect SS-42-071114 PID 0.0 ppm
1488796.61 N
-674,219.47 E
471.06 HAE

927 Collect SS-43-071114 PID 0.0 ppm
1488735.45 N
-674185.44 E
470.38 HAE
Collect # SS-FD-05-071114

934 Collect SS-44-071114 PID 0.0 ppm
1488650.60 N
-674159.77 E
470.79 HAE

940 Collect SS-45-071114 PID 0.0
1488560.88 N
-674116.20 E
466.27 HAE

10:00 Packing & labeling samples
10:40 Offsite, K. Reepmeyer to FedEx

Location _____ Date 7/14/14

Project / Client _____

11:00 A. Rielly onsite
Weather: 72°F mostly sunny

11:40 SS-46-071414 PID 0.0 ppm
42° 50' 15.856" N
78° 50' 53.585 W

11:50 SS-47-071414 ~~FD-06-071414~~
42° 50' 14.632 N PID 0.0
78° 50' 52.583 W

12:05 SS-48-071414 PID 0.0 ppm
42° 50' 13.933" N
78° 50' 52.561" W
145.29 m HAE

12:15 SS-49-071414 PID 0.0 ppm
42° 50' 12.978" N
78° 50' 51.358" W
141.53m HAE

1222 SS-50-071414 PID 0.0
42° 50' 13.142" N
78° 50' 49.657" W
140.86m HAE

Location _____ Date _____

Project / Client _____

1230 SS-51-071414 + MS/MSD
42° 50' 14.244" N
78° 50' 50.809" W
PID: 0.0 ppm
1:00 Finish surface soil sampling
label and pack samples
MW-10 GPS
42° 50' 08.097" N
78° 51' 14.119" W
Collected samples MW-10 and MW-09
17:00 Offsite, A. Rielly to FedEx

7/14/14

Location _____ Date 7/15/14

Project / Client _____

7:20 Onsite K. Koepmeyer and A. Reilly
Weather 69°F, light rain
Plan is to sample four remaining MWs. See other field book for low flow / sampling info

MW-1 (already have)
42° 50' 11.297" N
78° 58' 06.268" W
141.35m HAE

MW-2
42° 50' 12.605" N
78° 51' 03.177" W

14:45 Offsite

7/15/14

Location Buffalo, NY Date 8/25/14

Project / Client 91607 / NYSDEC #915183
GW Mon

1230 E Rosenzweig, Set up on ~~MW-8~~ TP-8

Time	Temp	µS/cm	pH	ORP	Turb	DO
1440	17.17	2.095	11.23	-374.1	143.1	3.30
1445	15.62	2.058	11.39	-385.1	40.7	0.53
1450	15.80	2.040	11.43	-457.3	23.9	0.38
1455	15.83	2.046	11.47	-485.9	11.1	0.28
1500	15.66	2.064	11.48	-495.7	22.5	0.25
1503	15.39	2.071	11.47	-502.7	15.2	0.23
1506	15.59	2.062	11.47	-506.3	14.6	0.21

Sample time 1510
Analysis SVOC
Diss Metals
Hex Chrom
CN
Purged 2 Gal - Cloudy Gray Becoming Clear. Little Odor
Sample id: WG-TP-08-082514
NOTE: Dup 1 Colocated Here
id: WG-TP-DUP1-082514
1415 Collected Field Blank through tubing
Sample id: WG-TP-FB01-082514

8/25/14

Location Buffalo, NY Date 8/26/14

Project / Client 91667 / NYSDEC # 915183

GW Mon

0930 Set up on ~~TP-10~~

DTW - 10.80

Time	temp	ms/cm	pH	ORP	Turb	DO mg/L
0935	20.71	7.257	12.26	-302.5	209.8	1.11
0940	20.15	7.404	12.30	-326.3	428.6	0.41
0945	20.27	7.516	12.25	-320.9	491.8	0.37
0950	20.06	7.553	12.24	-345.3	186.1	0.35
0955	20.36	7.563	12.21	-338.5	159.7	0.34
1000	20.27	7.562	12.19	-329.1	147.0	0.33
1005	20.49	7.575	12.17	-334.4	122.1	0.32
1008	20.54	7.564	12.16	-338.7	85.6	0.32
1011	20.52	7.551	12.15	-345.1	72.6	0.32
1014	20.64	7.546	12.12	-344.5	59.6	0.31
1017	20.55	7.550	12.13	-347.7	70.5	0.32
1020	20.48	7.524	12.12	-358.8	65.1	0.32
1023	20.54	7.506	12.10	-346.2	69.2	0.31

Sample time 1025

Analysis SVOC
TCN
Diss Metals
Hex Chrom

Sample id: WG-TP-10-082614

Note: Slight Odor

E Rasmussen 8/26/14

Location Buffalo, NY Date 8/26/14

Project / Client 91667 / NYSDEC # 915183

GW Mon

1100 Set up on ~~TP-9~~

DTW - 5.68

Time	temp	ms/cm	pH	ORP	TURB	DO mg/L
1120	21.63	6.165	12.07	-299.4	146.3	0.74
1125	21.07	6.179	12.09	-336.6	78.5	0.38
1130	20.88	6.204	12.11	-324.6	56.3	0.35
1135	21.17	6.215	12.13	-354.1	47.4	0.34
1140	21.20	6.230	12.17	-358.3	45.7	0.33
1145	21.36	6.236	12.17	-344.9	50.0	0.32
1150	21.27	6.251	12.18	-334.9	47.9	0.32
1153	20.86	6.249	12.18	-337.4	48.2	0.32
1156	20.73	6.171	12.19	-346.1	44.6	0.32
1159	20.91	6.154	12.18	-340.6	42.6	0.32

Sample time 1200

Analysis SVOC
Diss Metals
Hex Chrom
TCN

Purged 2.5 Gal

Sample id: WG-TP09-082614

Desc: Silty Brown Becoming Clear w/a Brown Tint.

Note Heavy odor

Field Filtered Hex Chrom & Diss Metals

E Rasmussen 8/26/14

Location Buffalo NY Date 8/26/14

Project / Client 91667 / NYSDEC 915183

GW Mon

1330 Set up on TP-7

DTW 4.62

- Purged Silty Water for 20 Minutes Prior to Connecting to flow Cell.

Time	Temp	ms/cm	pH	ORP	Turb	DO mg/L
1355	20.32	1.149	9.31	-71.9	152.8	1.17
1400	20.31	1.135	8.99	-70.2	73.5	0.64
1405	20.09	1.130	8.84	-76.0	71.6	0.55
1410	19.97	1.130	8.76	-74.6	24.2	0.52
1415	19.99	1.127	8.72	-77.9	16.8	0.51
1420	20.12	1.124	8.67	-80.3	17.7	0.52
1423	20.10	1.125	8.69	-81.2	16.1	0.48

EK 8/26/14

Sample time 1425

Analysis SVOC
TCN
Hex Chrom
Diss metals

Hex Chrom. & Diss metals Field Filtered using 0.45 micron Filter

Purged ≈ 2.5 Gal

Cloudy dark Brown Becoming Clear

Slight odor No Sheen

EK 8/26/14

Location Buffalo NY Date 8/26/14

Project / Client 91667 / NYSDEC # 915183

GW Mon

1510 Set up on TP-04

DTW - 6.19

- Purged Silty water for 15 minutes prior to Connecting to flow Cell

Time	temp	ms/cm	pH	ORP	TURB	DO mg/L
1525	17.85	0.951	8.71	-180.6	372.1	1.02
1530	17.48	0.926	8.58	-180.9	231.3	0.65
1535	17.58	0.903	8.52	-182.9	132.0	0.44
1540	17.36	0.884	8.47	-185.2	102.7	0.41
1545	17.10	0.867	8.42	-184.9	65.3	0.42
1550	16.78	0.852	8.38	-182.6	57.6	0.38
1555	16.83	0.850	8.35	-182.6	46.4	0.37
1600	16.88	0.823	8.35	-183.1	45.6	0.36
1603	16.77	0.814	8.33	-183.3	31.6	0.36
1606	16.76	0.810	8.31	-182.1	29.2	0.36
1609	16.69	0.803	8.30	-180.7	22.0	0.35
1612	16.70	0.802	8.30	-181.6	20.2	0.35
1615	16.76	0.800	8.30	-184.2	19.6	0.35

Sample time ~~1620~~ 1620

Analysis: SVOC, TCN, Diss Metal, Hex. Chrom

Purged ≈ 4 Gall, Desc Cloudy dark Brown Slight odor No Sheen

EK 8/26/14

Location Buffalo, NY Date 8/27/14

Project / Client 9/0627 / NYSDEC # 915123

GW Mon

0800 Set upon TP-6

DTW 5.46

Purged well for 20 min

Prior to hooking up to low flow Cell

Time	temp	mS/cm	pH	ORP	TURB	DO mg/L
0905	17.45	2.634	10.29	-215.3	195.3	1.09
0910	17.00	2.445	10.55	-243.6	60.0	0.42
915	17.09	2.474	10.57	-246.6	38.0	0.38
0920	17.06	2.464	10.59	-235.3	32.2	0.37
0925	17.17	2.436	10.57	-244.8	29.5	0.38
0930	17.11	2.436	10.57	-257.2	33.1	0.36
0933	17.10	2.422	10.55	-249.6	31.6	0.35
0935	17.05	2.420	10.54	-247.5	32.5	0.35

Sample time 0940

Analysis Diss Metals

TCN

Hex Chrom

SVOC's

Desc: Clear w/ a Brown tint.

slight Odor No Sheen

Purged ≈ 3 Gallons

Filtered Hex Chrom & Diss Metals

w a .45 micron Filter

Location Buffalo Date 1-17-14

Project / Client NYS DEC

TP-09		Restart				
Time	PH	ORP	Cond	Temp	Turb	DO %
9:50	12.17	-548.9	8.00	10.43	24.7	01.9
9:55	12.03	-554.7	6.013	11.09	17.6	1.9
10:00	12.01	-553.8	5.776	11.14	8.72	1.7
10:05	12.00	-553.1	5.812	11.12	8.76	1.8
10:05	12.00					
TP-09		Sample unFilter			10:10	
TP-09		Filter			10:30	
MS/MSD		sampled			10:10 TP-09 unFilter	
TP-10		WL: 10.6'				
Time	PH	ORP	Cond	Temp	Turb	DO %
13:25	12.17	-519.3	7.236	11.40	183	2.8
13:30	12.11	-542.3	7.153	11.73	12.7	1.9
13:35	12.09	-550.7	7.130	11.53	9.11	1.7
13:40	12.04	-534.3	7.130	11.23	49.1	1.5
13:45	12.04	-540.8	7.128	11.18	48.4	1.6
		unFilter	13:50			
		Filter	14:15			

Location BUFFALO, NY Date 5/28/15

Project / Client BLCP PARCEL 4 / NYSDEC

0730 K. REEPMEYER ON SITE. J. STUART (COM SMITH) AND RANDY (SJB) ON SITE COLLECTING SUBSURFACE SOIL. THIS DATA IS IN THE OTHER FIELD BOOK. I WILL BE SAMPLING STORMWATER IN CATCH BASINS AND SWALES ALONG LABURER'S WAY AND SHEA CANAL PARKWAY. SOME ARE NOT NAMED FROM PREVIOUS SAMPLING ACTIVITIES. I AM NAMING THEM AS I SAMPLE.

0828 CB-20
DTW: 3.27 FT FROM TOP OF GRATE
DTB: COULDN'T GET A GOOD IMPRESSION USING THE 100' SOLINST WATER LEVEL METER.

0845 18.45°C
1.027 mS/cm
7.64 pH
173.1 ORP mV
30.7 NTU
5.25 mg/L D.O.

0900 COLLECTED CB-20-052815

0910 COLLECTED CB-20-F-052815.
IT WAS DIFFICULT TO GET THE POLY TUBING STRAIGHT TO HIT THE WATER. ALSO, THERE IS

K. Reepmeyer 5/28/15

Location BUFFALO, NY Date 5/28/15

Project / Client BLCP PARCEL 4 / NYSDEC

A STYROFOAM CARRY-OUT CONTAINER IN CB-20.

0940 K. REEPMEYER OFF SITE TO HOME DEPOT FOR A POLE.

1030 K. REEPMEYER BACK ON SITE. MOB. TO CB-21.

DTW: 3.26 FT BELOW TOP OF GRATE

1046 22.70 °C
2.390 mS/cm
7.71 pH
-28.6 mV ORP
105.6 NTU
1.28 mg/L D.O.

1050 COLLECTED CB-21-052815

1100 COLLECTED CB-21-F-052815

1108 THE SWALE TO THE EAST OF THE BLCP SIGN, "CB-17", IS DRY. NO SAMPLE.

1114 MOB. TO CB-22

DTW: 3.05 FT FROM TOP OF GRATE

1120 PREMIER AND VERIZON REPS ON SITE QUESTIONING THE WORK AND BORING LOCATIONS.
17.64 °C
0.698 mS/cm
8.23 S.U.

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Location BUFFALO, NY Date 5/28/15

Project / Client BLCP PARCEL 4 / NYSDEC

1120 CB-22 WQ PARAMETERS CONT'D
27.3 mV ORP
37.6 NTU
1.46 mg/L D.O.

1135 COLLECTED CB-22-052815.

1145 COLLECTED CB-22-F-052815.

1155 MOB. TO CB-23
DTW: 2.77 FT BELOW TOP OF GRATE

1215 COLLECTED CB-23-052815

1225 COLLECTED CB-23-F-052815

1235 17.93°C
3.679 mS/cm
12.82 S.U.
-96.6 mV ORP
7.3 NTU
0.03 mg/L D.O.

1240 MOB. TO CB-18 (SWALE). THERE IS SOME WATER PRESENT BUT NONE FLOWING. I WILL SAMPLE WHAT'S AVAILABLE.
CORRECTION: TINY BIT OF FLOW.
CB-18
NO DEPTH MEASURED.
SAMPLES COLLECTED IN CULVERT ENTRANCE (PHOTO TAKEN)

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Location BUFFALO, NY Date 5/28/15

Project / Client BLCP PARCEL 4 / NYSDEC

1250	COLLECTED CB-18-052815.
1300	COLLECTED CB-18-F-052815
1309	18.34°C
	2.933 mS/cm^c
	12.94 S.U.
	-145.6 mV ORP
	-1.0 NTU
	1.17 mg/L D.O.
1312	THERE ARE PLASTIC CONTAINERS DEGRADING IN THE SWALE BEFORE THE CULVERT ENTRANCE (PHOTO TAKEN).
	THE HNO_3 IS VOLATILIZING OUT OF THE SAMPLE BOTTLE (VIDEO TAKEN).
	WATER FLOWED INTO THE CULVERT FROM THE NRTH AND SOUTH, WHILE THE STREAM FROM THE SWALE APPEARED TO NOT BE FLOWING.
1315	MOB. TO CB-24. WATER IS VERY CLEAR, SIMILAR TO CB-18. THIS SUGGESTS THAT CB-18 FLOWS INTO CB-24.
1322	DTW: 3.90 FROM TOP OF GRATE
1330	COLLECTED CB-24-052815.
1340	COLLECTED CB-24-F-052815.
1342	17.49°C
	2.986 mS/cm^c

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Location BUFFALO, NY Date 5/28/15

Project / Client BLCP PARCEL 4 / NYSDEC

1342	CB-24 WQ PARAM. CONT'D
	3.01 S.U.
	-130.7 mV ORP
	-0.3 NTU
	3.33 mg/L D.O.
1346	MOB. TO CB-19 (SWALE). NO WATER DEPTH TAKEN.
	WATER IS VERY CLEAR. SAMPLES COLLECTED FROM NEAR ENTRANCE TO CULVERT.
1410	COLLECTED CB-19-052815
1420	COLLECTED CB-19-F-052815
1421	16.91°C
	3.050 mS/cm^c
	13.07 S.U.
	-132.0 mV ORP
	0.5 NTU
	2.68 mg/L D.O.
1425	MOB. TO CB-25
	DTW: 3.06 FT FROM TOP OF GRATE.
1430	COLLECTED CB-25-052815. DROPPED NaOH FROM CN CONTAINER INTO CB-25 - MAY BE FOUND IN ALL SAMPLES EXCEPT SVOCs.
1440	COLLECTED CB-25-F-052815.

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Location BUFFALO, NY Date 5/28/15

Project / Client BLCP PARCEL 4 / NYSDEC

1442	CB-25 WQ PARAM
	17.26°C
	3.052 mS/cm^c
	13.03 S.U.
	-123.6 mV ORP
	5.9 NTU
	3.29 mg/L D.O.
1448	MOB TO CB-12
	DTW: 3.89 FT
1450	COLLECTED CB-12-052815.
1455	COLLECTED CB-DUP-01-052815.
1500	COLLECTED CB-12-F-052815.
1502	19.11 °C
	0.369 mS/cm^c
	10.18 S.U.
	-67.2 mV ORP
	48.0 NTU
	2.74 mg/L D.O.
1510	MOB TO CB-15 (SWALE). IT IS DRY. NO SAMPLE.
1513	K. REEPMEYER OFF SITE
1550	K. REEPMEYER ON SITE. MOB TO CB-26.
1600	COLLECTED CB-26-052815 FREE CN.
1605	COLLECTED CB-26-MS-052815 FREE CN
1610	COLLECTED CB-26-MSD-052815 FREE CN.

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Location BUFFALO, NY Date 5/28/15

Project / Client BLCP PARCEL 4 / NYSDEC

1620	COLLECTED CB-26-F-052815 FREE CN.
1623	CB-26 WQ
	21.06 °C
	1.915 mS/cm^c
	12.62 S.U.
	17.4 mV ORP
	33.6 NTU
	6.16 mg/L D.O.
1635	MOB TO CB-27.
1640	COLLECTED CB-27-052815 FREE CN.
1645	COLLECTED CB-27-F-052815 FREE CN.
1645	MOB TO CB-28.
1650	COLLECTED CB-28-052815 FREE CN.
1655	COLLECTED CB-28-F-052815 FREE CN.
1700	MOB TO CB-29.
1705	COLLECTED CB-29-052815 FREE CN.
1710	COLLECTED CB-29-FD-052815 FREE CN.
1715	PACKED COOLER FOR ALLOWAY (FREE CN ONLY).
1815	K. REEPMEYER OFF SITE TO FEDEX TO DELIVER COOLER TO ALLOWAY IN MARION, OH.
1850	K. REEPMEYER ON SITE.
1900	J. STUART OFF SITE.
2015	K. REEPMEYER OFF SITE

K. Reepmeyer 5/28/15

Location BUFFALO, NY Date 5/29/15

Project / Client BLCP PARCEL 4 / NYSDEC

0640	K. REEPMEYER (CDM SMITH) ON SITE TO COMPLETE CATCH BASIN SAMPLING ALONG SHIP CANAL PARKWAY TO THE EAST OF PARCEL 4.
	J. STUART (CDM SMITH) AND R. ANDY (SSB) TO COMPLETE SUBSURFACE SOIL BORINGS (IN OTHER FIELD BOOK).
0722	59°F, PARTLY CLOUDY, 78% HUMIDITY
	WIND SE @ 8 MPH
	J. STUART ON SITE.
	RANDY ON SITE AT 0700.
0740	MOB. TO CB-26.
	DTW: 6.29 FT. BELOW TOP OF GRATE.
0800	COLLECTED CB-26-052915
0805	" CB-26-MS-052915
0810	" CB-26-MSD-052915
0815	" CB-26-F-052915
0823	20.09°C
	3.885 mS/cm^c
	12.66 S.U.
	-105.9 mV ORP
	8.5 NTU
	1.73 mg/L D.O.
0828	MOB. TO CB-27

K. Reepmeyer 5/29/15

Location BUFFALO, NY Date 5/29/15

Project / Client BLCP PARCEL 4 / NYSDEC

0828	DTW (CB-27): 5.48 FT BELOW TOP OF GRATE
0835	COLLECTED CB-27-052915
0840	COLLECTED CB-27-F-052915
0845	COLLECTED CB-DUP-01-052915 (FILTERED).
0852	17.91°C
	1.847 mS/cm^c
	12.60 S.U
	-79.9 mV ORP
	133.2 NTU
	3.48 mg/L D.O.
0901	K. REEPMEYER OFF SITE FOR ICE.
0922	K. REEPMEYER ON SITE
0925	MOB. TO CB-28
	DTW: 6.11 FT BELOW TOP OF GRATE
0940	COLLECTED CB-28-052915
0945	" CB-DUP-02-052915
0950	" CB-28-F-052915
0952	17.73°C
	0.495 mS/cm^c
	9.68 S.U
	20.2 mV ORP
	50.2 NTU
	6.13 mg/L D.O.

K. Reepmeyer 5/29/15

Location BUFFALO, NY Date 5/29/15

Project / Client BCP PARCEL 4 / NYSDEC

1001	MOB. TO CB-29.
	DTW: 6.14 FT BELOW TOP OF GRATE.
1025	COLLECTED CB-29-052915.
1030	" CB-29-F-052915.
1035	" CB-29-F-MS-052915.
1040	" CB-29-F-MSD-052915.
1045	17.84 °C
	0.479 mS/cm
	9.08 S.U.
	66.1 mV ORP
	6.4 NTU
	4.91 mg/L D.O.
1100	PACKED COOLERS FOR SATURDAY DELIVERY.
	PACKED EXTRA BOTTLES AND COOLERS FOR
	GROUND DELIVERY.
1230	OFF SITE TO FEDEX.
1330	ON SITE TO LABEL SOIL JARS.
1445	OFF SITE TO FEDEX AND CDM SMITH
	BUFFALO FOR SUPPLIES (OTHER PROJECT).

K Reeprayer 5/29/15

Location Date

Project / Client

Location BUFFALO, NY Date 5/26/15

Project / Client BLCP PARCEL 4

NYSDEC

0915 K. REEPMEYER ON SITE.
RANDY (SJB) ON SITE.
0925 MOBILIZED TO SB-52.
TRUCK-MOUNTED RIG HIT CONCRETE AT FIRST LOCATION. THE GRASS HAS A MIX OF ROCKS UNDERNEATH, SHOWN THROUGH BARE SPOTS WHERE GRASS WON'T GROW. THE SLOPE OF THE GRASS MAKES IT NECESSARY TO DRILL CLOSE TO THE SIDEWALK (PHOTO TAKEN).
0930 MOVED NORTHEAST TO TRY AGAIN.
0943 AMBIENT PID IS READING 2.3 PPM.
0945 SB-52 0-4
PID max: 4.4ppm
2.5' RECOVERY
0.75' SOIL
0.25' FILL MATERIAL
0.5' CLAY WITH SMALL WHITE SPHERES (PHOTO)
1' BROWN-GRAY MOIST CLAY
AMBIENT PID: 3.2PPM
0954 4-8'
3' RECOVERY
PID max: 4.7 ppm
0-1' DRY SOIL W/ FILL
1-2' BROWN CLAY WITH LARGE ROCKS
2-3' WET BROWN CLAY W/ SMALL ROCKS - ASPHALT?
1000 AMBIENT PID: 3.7PPM
SB-52 8-12'
3.25' RECOVERY
PIDmax: 4.0 ppm
0-1' SMALL STONES - WET
2-3.25' WET BROWN-GRAY CLAY W/ RED BRICK FILL.
SOME SMALL CRYSTALLINE PARTICLES - GRAY IN COLOR - COLLECTED THEM IN TCN AND RCN CONTAINERS.
1013 AMBIENT PID IS READING 4.4PPM.
52 12-16'
4' RECOVERY
0-1.25' SMALL ROCK SLOUGH
1.25'-1.75' CLAY AND SMALL ROCKS WITH BLACK LIQUID.
1.75'-2.25' DARK STAINED CLAY
2.25-4' HARD, COHESIVE GRAY CLAY - WET OUTSIDE
PIDmax: 5.2ppm

K. Reepmeyer 5/26/15

Location BUFFALO, NY Date 5/26/15

Project / Client BLCP PARCEL 4

NYSDEC

K. Reepmeyer 5/26/15

Location BUFFALO, NY Date 5/26/15

Project / Client BLCP PARCEL 4

NYSDEC

1027	AMBIENT PID = 5.8PPM
	SB-52 16-20'
	RECOVERY: 4FT
	PIDMAX: 6.7ppm
	0-7.5' SMALL STONE SLOUGH
	0.75-1.25' STAINED (BLACK) GRAY CLAY- BLACK LIQUID-LOOKS LIKE OIL
	1.25-2.5' HARD GRAY CLAY
	2.5-4' RED-BROWN HARD CLAY
1045	MOBILIZED TO SB-53
1056	AMBIENT PID: 6.4PPM
	SB-53 0-4'
	3' RECOVERY
	MAX PID: 6.9PPM
	0-1.25 SOIL, BROWN, DRY
	1.25-2.00 DK BROWN DRY CLAY-SILTY
	2-3' ROCKY DRY FILL MATERIAL
1100	HIT REFUSAL AT 4' FOR 4-8'. MOVED NE ~ 25'.
1110	HIT REFUSAL ~ 3.75'. MOVED BACK SW. BETWEEN TWO LIGHTPOLES (2-3 BEFORE BLCP SIGN).
1120	AMBIENT PID: 8.0ppm
	70°, CLOUDY, 77% HUMIDITY, WIND SW@13MPH

K. Reepmeyer 5/26/15

Location BUFFALO, NY Date 5/26/15

Project / Client BLCP PARCEL 4

NYSDEC

1121	REFUSAL AT 1.5'.
1125	MOVED BACK SO EQUIDISTANT BTWN LIGHT POLES 2 AND 3.
1132	HIT NEAR REFUSAL AT 1.5 AND 3' BGS.
	AMBIENT PID: 8.1PPM
	SB-53A 0-4'
	MAX PID: 9.2ppm
	RECOVERY 3.5'
	0-1.5 TOPSOIL AND FILL
	1.5'-2.0' FILL AND CEMENT
	2.0'-2.5' FILL WITH GRAY SILTY CLAY
	2.5-3.0' ROCKS AND CONCRETE
	3-3.5' SILTY MOIST BROWN CLAY
	NO SAMPLE
1151	SB-53A 4-8'
	AMBIENT PID: 6.0 ppm
	4' RECOVERY
	0-1.5' HARD GRAY CLAY AND FILL
	1.5-2.0' SILTY GRAY CLAY W/ SMALL STONES
	2-2.75' DARK GRAY STAINED CLAY W/ SILT
	2.75-4' SILTY GRAY CLAY
	MAX PID: 7.7ppm
1244	HIT REFUSAL AT 8.25'.
	SJB TOOK LUNCH

K Reepmeyer 5/26/15

Location BUFFALO, NY Date 5/26/15

Project / Client BLCP PARCEL 4

NYSDEC

1205	J. STUART (COM SMITH) ON SITE.
1230	MOBILIZED TO THE SWALE ADJACENT TO THE BLCP SIGN.
1235	HIT REFUSAL AT 1'. MOVED APPROX. 2' TO THE WEST.
1300	HIT REFUSAL. TRIED TO EMPTY THE SHOE AND ADVANCE THE SPOON. COULD NOT GET TO 4-FT.
1318	ABANDONED SWALE AREA. MOVED NORTH ALONG HIGHWAY 5 PARALLEL.
1320	RAINING.
1330	RAIN STOPPED.
1340	HIT REFUSAL AT 3.5 FT SB-54 2.25' RECOVERY 0-.5' TOP SOIL AND SMALL STONES 0.5-1' DARK BROWN SOIL 1-1.75' DARK SILTY SOIL WITH RED TINGE ON OUTSIDE 1.75-2.25' GRAY SOIL AND SILT WITH SOME ROCKS
1353	WAS UNABLE TO ADVACE FURTHER. SAMPLED 0-4 AND MOVED NORTH ~6'.
1357	HIT REFUSAL AT 1.5'
1410	MOBILIZED TO THE NEXT SWALE

K. Reepmeyer 5/26/15

Location BUFFALO, NY Date 5/26/15

Project / Client BLCP PARCEL 4

NYSDEC

	AREA ALONG LABUREE'S WAY (ON THE NORTH SIDE) TO THE EAST OF SB-54.
1418	HIT REFUSAL AT 1'.
1420	MOVED SOUTH ~20'.
1430	HIT REFUSAL AT 1-FT BGS. IT IS GREY WITH WATER-ROCK SLAG.
1440	MOBILIZED TO THE NEXT SWALE SECTION TO THE EAST.
1449	SB-55 0-4' AMBIENT PID: 3.6 ppm 3.5 FT RECOVERY 0-1' SMALL PIECES OF FILL AND CONCRETE 1-2' CRUSHED STONE AND ROCK SLAG 2-3.25' LARGE STONES WITH LIGHT GRAY SILTY MATERIAL; BLUE ON THE BOTTOM 0.5' 3.25-3.5' CRUSHED STONE AND DARK BLACK FILL MAX PID: 4.0ppm
1501	SB-55 4-8' 3.75' RECOVERY 3.6 ppm MAX PID 0-1' SLOUGH

K. Reepmeyer 5/26/15

Location BUFFALO, NY Date 5/26/15

Project / Client BLCP PARCEL 4

NYSDEC

	1-2' DARK BROWN MOIST SOIL WITH WOOD PIECES
	2-2.5' DARK BROWN SOIL WITH SOME GRAY CLAY
	2.5-4' GRAY MOIST SILTY CLAY
1508	SB-55 8-12
	4' RECOVERY
	0-1.25' SLOUGH
	1.25-4' HARD GRAY CLAY- SILTY AND MOIST ON THE OUTSIDE
	AMBIENT PID: 3.3 ppm
	MAX PID: 3.5ppm
1515	SB-55 12-16'
	AMBIENT PID: 2.8ppm
	MAX PID: 2.8ppm
	4' RECOVERY
	0-0.5' SLOUGH
	0.5-2.5' HARD GRAY CLAY - MOIST OUTSIDE -
	2.5-4' VERY STICKY GRAY CLAY - WET
1530	SB-55 16-20'
	AMBIENT PID: 2.3ppm
	MAX PID:
	RECOVERY OF 4'
	0-1.5' SLOUGH
	1.5-4.0' WET STICKY CLAY - VERY LIQUID - WITH LARGE ROCKS.

K. Reepmeyer 5/26/15

Location BUFFALO, NY Date 5/26/15

Project / Client BLCP PARCEL 4

NYSDEC

1545	MOBILIZED TO THE SWALE ON THE NORTHERN CORNER OF LABORER'S WAY AND SHIP CANAL PKWY.
1604	SB-56 0-4' PID: 6.0ppm
	2.75' RECOVERY
	0-0.75' BROWN GRAVELLY FILL
	0.75'-2.0' LARGE GRAVEL - WET
	2.0-2.5' GRAVEL WITH WHITE LIQUID
	2.5-2.75' BLUE-GRAY LARGE GRAVEL
	ENOUGH SAMPLE FOR BTEX + TCN ANALYSIS
	SARS ONLY.
1613	SB-56 4-8'
	4' RECOVERY
	0-1.5' SLOUGH
	1.5-2.5 BROWN MOIST SOIL WITH WOOD CHUNKS
	2.5-4' BROWN SOIL WITH GRAY MOIST SILTY CLAY.
	AMBIENT PID: 3.9 ppm
	PID: 3.9ppm
1620	SB-56 8-12'
	4' RECOVERY
	0.5' SLOUGH
	0.5-4' GRAY HARD CLAY - MOIST
	AMBIENT PID: 4.1 ppm
	PID: 4.1 ppm

K. Reepmeyer 5/26/15

Location BUFFALO, NY Date 5/26/15

Project / Client BLCP PARCEL 4
NYSDEC

1630	SB-56 12-16'
	AMBIENT PID: 43 ppm
	PID: 4.4 ppm
	RECOVERY OF 4'
	0-0.5' SLOUGH
	0.5-2.5' GREY MOIST SILTY CLAY - HARD
	2.5-4' MUSHY GRAY CLAY, SILTY
1650	SB-56 16-20'
	ALL SLOUGH - <1' RECOVERY
	NO SAMPLE.
1700	RANDY (SJB) OFF SITE.
	COM SMITH PACKING TWO COOLERS.
1820	DELIVERED COOLERS TO FEDEX (OFF SITE).

K. Reepmeyer 5/26/15

Location BUFFALO, NY Date 5/27/15

Project / Client BLCP PARCEL 4
NYSDEC

0700	RANDY (SJB), J. STUART, AND K. REEPMEYER (COM SMITH) ON SITE.
	UNCOVERED DRUMS ON THE SW CORNER WITHIN THE SITE FENCE. TWO CONTAIN POLY TUBING, A HAMMER, GARBAGE BAGS, AND UNUSED PRESERVED BOTTLEWARE.
	K. REEPMEYER EMPTIED ONE FOR SOIL COLLECTION.
0735	SJB SET UP ON THE CENTER OF THE NORTHERN BOUNDARY OF LOT 4.
0746	SB-57 0-4'
	PID: 0.0 ppm
	3' RECOVERY
	0-2' DARK BROWN SOIL. SILTY
	2-2.5' SOME BLUE-GREY STONE - MAY BE GRAVEL (PUT INTO CN)
	2.5-3' GRAY AND BROWN CLAY - MOIST
0752	SB-57 4-8'
	MAX PID 2.7 PPM
	3.5' RECOVERY
	0-.75' SLOUGH
	.75'-1' GRAY CLAY W/ SOME BLACK STREAKS

K. Reepmeyer 5/27/15

Location BUFFALO, NY Date 5/27/16

Project / Client BLCP PARCEL 4

NYSDEC

0752	SB-57 4-8' CONT'D:
	1'-2' GRAY THIN ROCKS IN DRY SILTY GRAY CLAY
	2-2.75' GRAY MOIST CLAY WITH STONES
	2.75-3.5' WET GRAY CLAY WITH THIN ROCKS AND SMALL STONES
0800	SB-57 8-12'
	PID AMBIENT: 0.3ppm
	PID MAX: 0.4 ppm
	2.75' RECOVERY
	0-0.5' SLOUGH - WET
	0.5-1.25' WET DARK BROWN SILTY SOIL W/ STONES
	1.25-1.5' RED BRICK FILL - WET
	1.5-2.25' WET DARK BROWN SOIL - SILTY
	2.25-2.75 DARK BROWN MOIST CLAY - COHESIVE
0808	SB-57 12-16'
	PID AMBIENT: 0.4ppm
	PID MAX: 0.5PPM
	3.25' RECOVERY
	0-0.5' SLOUGH
	0.5-1.25' SILTY GRAY WET CLAY
	1.25-3.25' HARD (VERY) LIGHT BROWN CLAY SILTY

K Reepmeyer 5/27/15

Location BUFFALO, NY Date 5/27/15

Project / Client BLCP PARCEL 4

NYSDEC

0821	SB-57 16-20'
	RECOVERY: 4'
	0-0.5' SLOUGH
	0.5-2.5' HARD LIGHT BROWN CLAY - WET
	2.5-3.5' GRAY WET CLAY - SOFTER
	3.5-3.6' BLACK SILTY STONES
	3.6-4' MUSHY WET GRAY CLAY
0836	MOBILIZED TO THE WESTERN SIDE OF LOT 4 ALONG SHIP CANAL PARKWAY, APPROXIMATELY 10' EAST OF THE MOWN GRASS.
0840	SB-58 0-4'
	4' RECOVERY
	PID AMBIENT: 0.7PPM
	PID MAX: 1.0PPM
	0-3' FILL, GRAVEL, AND STALE
	3-4' SILTY BROWN (DARK) CLAY - SOFT AND BRITTLE
	K. REEPMEYER CALLED SPECTRUM. ONLY NEED 8 OZ. TOTAL FOR THE FOUR ANALYSES.
0849	SB-58 4-8'
	3' RECOVERY
	0-0.75' SLOUGH
	0.75-1.25' SOFT BROWN MOIST CLAY

K. Reepmeyer 5/27/15

Location BUFFALO, NY Date 5/27/15

Project / Client BLCP PARCEL 4

NYSDEC

0849 SB-58 4-8' CONT'D

1.25-2.5' HARD MOIST BROWN CLAY WITH SMALL FILL AND RED BRICK FILL

2.5-3' HARD SILTY DARK BROWN CLAY

PID AMBIENT: 0.7 ppm

PID MAX: 0.8 PPM

0856 SB-58 8-12'

3' RECOVERY

0-1' STICKY BROWN CLAY WITH GRAVEL AND FILL SLOUGH

1-1.5' COHESIVE MEDIUM BROWN MOIST CLAY

1.5-2' DARK BROWN SOIL W/ CRYSTALLINE FLECKS - APPEAR SPARKLY (PHOTO TAKEN)

2-3' SILTY DARK BROWN MOIST CLAY

PID AMBIENT: 0.8 PPM

PID MAX: 0.8 PPM

0903 67°F; 82% HUMIDITY; CLOUDY; WIND SW @ 11 MPH

0908 SB-58 12-16'

3' RECOVERY

VERY WET ON TOP

GRAY SILTY LIQUID ON OUTSIDE

0-3' LIGHT BROWN MOIST, HARD SILTY CLAY WITH GRAY STRIATIONS

MAX PID: 0.8 PPM

K. Reepmeyer 5/27/15

Location BUFFALO, NY Date 5/27/15

Project / Client BLCP PARCEL 4

NYSDEC

AMBIENT PID: 0.8 PPM

0921 SB-58 16-20'

AMBIENT PID: 0.8 PPM

MAX PID: 0.8 PPM

RECOVERY: 4'

0-1' SLOUGH AND WATER WITH CLAY CHUNKS

1-4' WET GRAY CLAY; SILTY

0926 DUP-1 COLLECTED.

0935 MOB TO SB-59 - N END OF LOT 7.

0948 SB-59 0-4'

RECOVERY: 3'

AMBIENT PID: 1.2 ppm

MAX PID: 1.7 ppm

0-1' BRITTLE DARK BROWN DRY SOIL WITH FILL MATERIAL

1-2' LIGHT BROWN CLAY - SILTY - WITH FILL RED BRICK, AND GRAVEL

~~2-3~~ 5/27/15

2-3' LIGHT BROWN CLAY; SILTY AND BRITTLE

0957 SB-59 4-8'

2' RECOVERY

0-0.5' SLOUGH-WET

0.5-1' WET FILL AND GRAVEL

1-1.5' BEIGE HARD ROCK-LIKE MATERIAL WITH HATCHING (PHOTO TAKEN)

K Reepmeyer 5/27/15

Location BUFFALO, NY Date 5/27/15

Project / Client BLCP PARCEL 4

NYSDEC

0957	SB-59 4-8' CONT'D
	1.5-2' SMALL BLACK AND BEIGE ROCKS AND FILL
	NO SAMPLE - ALL FILL AND ROCK
1005	HIT REFUSAL ADVANCING TO 8-12.
	RELOCATED APPROXIMATELY 10 FT WEST.
1019	SB-59A 0-4'
	SAME COMPOSITION AS SB-59. NO SAMPLE.
	HIT NEAR REFUSAL AT 7'
1034	SB-59A 4-8'
	2.5' RECOVERY
	SAME COMPOSITION AS SB-59 4-8'
	NO SAMPLE - ALL FILL AND GRAVEL.
1051	SB-59A 8-12'
	2.25' RECOVERY
	AMBIENT PID: 2.1
	PID MAX: 2.2
	2'-3' BLACK, GRAVELLY, WHITE FLAKES
	3'-4' BLACK, GOOD FLAKES, BROWNISH GRAY SILTY CLAY
1105	SB-59A 12-16'
	AMBIENT PID: 2.4ppm
	MAX PID: 2.5ppm
	4' RECOVERY

K. Reepmeyer 5/27/15

Location BUFFALO, NY Date 5/27/15

Project / Client BLCP PARCEL 4

NYSDEC

1105	SB-59A 12-16' CONT'D
	0-0.75' SLOUGH - GRAVEL AND FILL
	0.75'-2.5' BROWN (LIGHT) SILTY CLAY WITH GRAY STRIATIONS - WET ON THE OUTSIDE
	2.5-4' GRAY CLAY WITH LIGHT BROWN STRIATIONS; HARD, SILTY AND WET OUTSIDE, MORE MUSHY.
1121	SB-59A 16-20'
	RECOVERY: 3.5'
	0-1.5' WET CRUSHED FILL AND GRAVEL
	1.5-3.5' HARD WET GRAY
	PID AMBIENT: 2.3ppm
	PID MAX: 2.5 ppm
1130	J. STUART OFF SITE FOR LUNCH
	SJB TAKING LUNCH.
1200	JSTUART ON SITE
	82 MORE SAMPLES PER REMAINING JARS.
	SB-60 → 74, 5 DEPTHS EACH REMAINING
	14x5 = 70
	+ 4 DUPS + 5 MS/MSDS
	8 JARS + 10 JARS (402) = 88 NEEDED

K. Reepmeyer 5/27/15

Location BUFFALO, NY Date 5/27/15

Project / Client BLCP PARCEL 4

NYSDEC

1217	SB-60 0-4'
	RECOVERY: 3'
	0-2' BROWN SOIL WITH FILL MATERIAL AND LARGE CHUNKS OF FILL
	2-3' GRAY DRY, SILTY CLAY WITH CHUNKS OF FILL MATERIAL
	AMBIENT PID: 3.2PPM
	MAX PID: 3.6PPM
1231	HIT REFUSAL AT 6FT BGS.
1233	SB-60 4-6'
	2.5' RECOVERY
	BLACK WET CHUNKS OF FILL WITH GRAVEL, THE LIQUID ON THE FILL IS BLACK-WET SILTY SOIL?
1238	MOBILIZED APPROX. 45' FT WEST TO ADVANCE ANOTHER BORING.
1250	HIT REFUSAL AT 3FT BGS
B04	RELOCATED MULTIPLE TIMES, BUT HIT REFUSAL ON FIRST 0-4FT SPOON AT EACH.
	MOBILIZED TO SB-61 PROPOSED LOCATION.
1330	SJB ON SITE TO DROP-OFF TRACK-MOUNTED DRILL RIG.
1340	SJB OFF SITE (EXCEPT RANDY).
	AT APPROXIMATELY 1230, DAVID LOCEY

K. Reepmeyer 5/27/15

Location BUFFALO, NY Date 5/27/15,

Project / Client BLCP PARCEL 4

NYSDEC

	(NYSDEC) WAS ON SITE AND INQUIRED ABOUT THE WORK PLAN. HE IS OVERSEEING DRILLING ACTIVITIES ON THE SOUTH SIDE OF UNION SHIP CANAL.
1349	HIT REFUSAL AT 3FT BGS USING THE TRACK RIG.
1354	MOVED ~10 FT EAST TO TRY AGAIN.
1400	HIT REFUSAL AT 3-FT.
	RELOCATED TO THE NEXT SAMPLE POINT- NOW SB-61. APPROXIMATELY 1/3 OF LOT 8 IN (TO THE EAST OF LOT 9) ALONG THE NORTHERN EDGE ~10' SOUTH OF THE GAS MAIN.
1412	SB-61 0-4'
	3.75' RECOVERY
	0-0.5' TOPSOIL W/ BRICK FILL
	0.5-1.0' CONCRETE
	1.0-1.5' BROWN DRY SOIL WITH FILL
	1.5-1.75' CONCRETE
	1.75-2.25' RED BRICK
	2.25-2.75' BROWN SOIL W/ LARGE ROCK AND BLACK FILL
	2.75-3.25' GRAVEL
	3.25-3.5' HARD DRY GRAY CLAY W/SHALE

Location BUFFALO, NY Date 5/27/15

Project / Client BLCP PARCEL 4

NYSDEC

	SB-61 CONT'D 0-4':
	3.5-4' BLACK FILL W/ SPECKS OF SPARKLE AND ROCKS
	AMBIENT PID: 10.0 ppm
	MAX PID: 10.3 PPM
KR ~~1420~~	SAMPLED RCN4 TCN ONLY
1420	SB-61 4-7' ← HIT REFUSAL
	PID AMBIENT: 8.0 ppm
	MAX PID: 12.3 PPM
	RECOVERY: 3.5'
	0-0.5' BRICK-RED
	0.5-0.75' PURPLE ROCKS
	0.75-1.0' DARK BROWN SOIL
	1.0-1.25' BLACK MOIST SOIL - SILTY
	1.25-2.0 SHALE AND GRAVEL - GRAY AND DRY
	2.0-4.0' DRY GRAY CLAY WITH FILL
1442	SB-61A 0-4' (MIXED ~ 15'S OF SB-61)
	RECOVERY 3.5 FT
	AMBIENT PID: 6.3 ppm
	MAX PID: 7.0 PPM
	0-0.5' BROWN SOIL W/ FILL MATERIAL
	0.5-3.0 DARK BROWN SOIL WITH LARGE FILL CHUNKS AND BLACK SOIL WITH SPARKLY FLECKS

K. Reepmeyer 5/27/15

Location BUFFALO, NY Date 5/27/15

Project / Client BLCP PARCEL 4

NYSDEC

1442	SB-61A 0-4 CONT'D
	3.0-3.25 GRAVEL
	3.25-4.0 DARK BROWN / BLACK SOIL
1445	SB-61A 4-8'
	AMBIENT PID: 5.5 ppm
	MAX PID: 5.6 ppm
	2' RECOVERY
	0-0.75 DARK BROWN / BLACK SOIL
	0.75-1.25' GRAVEL AND SHALE IN DRY SILT (BROWN)
	1.25-2' WET DARK BROWN / BLACK SILTY SAND W/ FILL / STONES
1450	SB-61A 8-12'
	HAD MANY VOIDS PER SSB
	1.75' RECOVERY
	0-1.0' DARK BROWN WET SAND ON GRAVEL AND FILL
	1-1.75' BLACK DRY SILTY SOIL - WET OUTSIDE
	AMBIENT PID: 5.0 ppm
	MAX PID: 5.0 ppm
1455	SB-61A 12-16'
	4' RECOVERY
	0-0.5' SLOUGH
	0.5-1.25' VERY MUSHY WET BLACK CLAY AND SILT

K. Reepmeyer 5/27/15

Location BUFFALO, NY Date 5/27/15

Project / Client BCP PARCEL 4

NYSDEC

1455 SB-61A 12-16' CONT'D PID MAX: +0.2ppm
1.25-2.0' WET DARK BROWN SILTY CLAY
2.0-2.25' GRAY SILTY CLAY; SOFT ON OUTSIDE
2.25-4.0' LIGHT BROWN CLAY WITH GRAY STRIATIONS-; SILTY AND DRY

1500 SB-61A 16-20'
3' RECOVERY
0-0.25' SLOUGH
0.25'-2.0 GRAY SILTY CLAY
2.0-4.0 LIGHT BROWN AND GRAY SILTY CLAY
PID AMBIENT: 4.3ppm
MAX PID: 4.3ppm

1520 SB-62 0-4'
2' RECOVERY
AMBIENT PID: 4.4 ppm
MAX PID: 7.1ppm
0-0.5 TOPSOIL
0.5-1.5 DARK BROWN DRY SOIL WITH SPARKLE FLECKS
1.5-1.7 GRAY DRY, SILTY CLAY; CRUMBLY
1.7-2.0 WOOD CHUNKS IN BROWN CLAY AND SPARKLY BLACK ROCK-LOOKS LIKE IRON ORE.

1530 SB-62 4-8'
3' RECOVERY

K. Reepmeyer 5/27/15

Location BUFFALO, NY Date 5/27/15

Project / Client BCP PARCEL 4

NYSDEC

1530 SB-62 4-8' CONT'D
0-1' SLOUGH
1-1.25' WOOD PIECES STAINED BLACK
1.25-1.35' BLACK ROCK
1.35-1.50 DARK BROWN SILTY WET SAND
1.5-1.6' BLACK PLASTIC-LIKE A LINER
1.6-3.0' BLACK VERY WET SILTY SAND
AMBIENT PID: 4.4ppm
MAX PID: 4.6 ppm

1533 SB-62 8-12'
2.5' RECOVERY PID: 0.0PPM
STAINED BLACK WATER AT TOP OF SPOON SECTION
0-0.5' SLOUGH
0.5-1.5' BLACK SILTY WET SAND WITH SMALL STONES
1.5-2.5' DARK BROWN CLAY, VERY SILTY STAINED BLACK IN SOME AREAS
DUP-02 COLLECTED

1537 SB-62 12-16'
2.75' RECOVERY
PID: 0 ppm
0-.5' BLACK SILT WET W/ SMALL STONES
0.5-1' MUSHY DARK BROWN WET SILTY CLAY
1-1.75' HARD GRAY CLAY, SILTY, MOIST OUTSIDE

Location BUFFALO, NY Date 5/27/15

Project / Client BLCP PARCEL 4

NYSDEC

1537	SB-62 D-16 CONT'D
	1.75-2.75' HARD LIGHT BROWN CLAY, COHESIVE, SILTY, MOST OUTSIDE
KR 5/27/15 1540	TOOK MS/MSD.
1540	SB-62 16-20'
	3' RECOVERY
	GRAY AND LIGHT BROWN CLAY-WET OUTSIDE
	J. STUART OFF SITE TO PICK UP WATER
	SAMPLING BOTTLES/COOLERS AND EQUIPMENT
	FROM THE COM SMITH OFFICE
	RANDY STORED THE TRACK-MOUNTED RIG
	WITHIN THE LOT 9 FENCE.
1600	RANDY OFF SITE.
1800	K. REEPMEYER AT FEDEX TO DELIVER ONE COOLER.

K. Reepmeyer 5/27/15

Location BUFFALO, NY Date 5/28/15

Project / Client BLCP PARCEL 4

NYSDEC

CLEAR, 59°

7:55	6304
	3' RECOVERY
	0-1' topsoil - dry
	1'-3' SLAG pieces, light tannish masonry blueish slag - dry
	PID AMBIENT → 0.0 ppm
	PID → 0.0 ppm
8:01	6348
	3.5' RECOVERY
	0-1.5' wet, brown, gravelly/slag
	1.5'-3.5' wet, dark brown coarse sand, light tannish masonry layer
	PID AMBIENT → 0.0 ppm
	PID → 0.0 ppm
8:04	63817
	FULL RECOVERY
	0-1' dark brown, coarse, gravelly wet
	1'-2' same as above w/o gravel
	2-3 gray clay

Location _____ Date 5/28/15

Project / Client _____

3-4' black, shale like, fractable
PID AMBIENT → 0.0 PID → 0.0

8:10 631216
3' recovery
0-2.0' wet sand
2.0-2.5 peat like
2.5-3.0 brown clay
PID AMBIENT → 0.0 PID → 0.0

8:26 631620
Full recovery
0-2' brownish clay, silty
2'-4' grayish clay, silty, stiff
PID AMBIENT → 0.0
PID → 0.0

9:03 6404
2.5' recovery
0-0.5 topsoil w/ slag, gravel
0.5-2.5 slag pieces, gravel, silt
dry
PID AMBIENT → 0.5 ppm
PID → 0.6

Location _____ Date 5/28/15

Project / Client _____

9:21 REFUSED @ ≈ 4.5' B.G.
MOVED 5' SOUTH TO ATTEMPT 64A
REFUSED @ ≈ 4' B.G. SAMPLE TUBE
IDENTICAL TO 6404 (NONE TAKEN)

9:29 MOVED 10' NORTH TO ATTEMPT
NEW 64A

9:32 64A04
2.5' RECOVERY
0-2' SAME AS 6404: topsoil
w/ slag, gravel, debris, silt
dry
2'-2.5 MOIST, BLACK, PEAT LIKE
SAMPLES CONSIST PRIMARILY
OF THIS MATERIAL
PID AMBIENT → 0.1 PID → 0.2

9:42 64A48
FULL RECOVERY
0-1' dark brown, gravelly
silty, dry, slag pieces
1'-4' rotten egg odor, slag pieces
some gravel, black color

Location _____ Date 5/28/15

Project / Client _____

PID AMBIENT → 0.2
PID → 0.5

9:49 64AB12
FULL RECOVERY
0-3' BLACK, WET, SLAG HEAVY SOME GRAVEL
3'-4' BROWN CLAYEY SILT, SOME GRAY COLOR
PID AMBIENT → 0.2
PID → 0.6

10:04 64A1216
FULL RECOVERY
0-2' GRAY/BROWN SILTY CLAY OR CLAYEY SILT
2-4 STIFF GRAY/BROWN CLAY
PID AMBIENT → 0.2
PID → 0.2

10:09 64A1620
FULL RECOVERY
0-4' GRAY/BROWN STIFF CLAY

Location _____ Date 5/28/15

Project / Client _____

PID AMBIENT → 0.2
PID → 0.2
10:20 END

10:34 6504
3' RECOVERY
0-1' TOP SOIL, LIGHT BROWN WITH 3" MASONRY AT BASE
1'-3' DRY, SLAG PIECES (SMALLER IN SIZE THAN @ 64A BROWN, SAND AND SILT
PID AMBIENT — 1.0
PID — 1.2

10:40 6548
FULL RECOVERY
0-1.5 BROWN SAND/SILT W/ SLAG AND MASONRY DEBRIS DRY, ORANGE
1.5-4.0 MOIST, SLAG, SILT, MASONRY DEBRIS

PID AMBIENT → 0.9
PID → 6.1

Location _____ Date 5/28/15

Project / Client _____

10:45 65812
2' RECOVERY
0-2.0' BLACK, WET SLAG HEAVY
ONLY COULD GET RCN SAMPLE
RCN MAY NOT BE GOOD SAMPLE
PID AMBIENT → 0.8
PID → 1.2

10:50 651216
3' RECOVERY
0-1' BROWN, MOIST SILTY
1-1.5 SILTY CLAY OR CLAYEY SILT GRAY/BROWN
1.5-3 STIFF BROWN CLAY, SOME GRAY
PID AMBIENT → 0.8
PID → 0.9

11:07 651620
3.5' RECOVERY
0-3.5 STIFF BROWN/GRAY CLAY
PID AMBIENT → 0.7
PID → 0.7

Location _____ Date 5/28/15

Project / Client _____

12:00 6604
3' RECOVERY
0-2' SILT/SAND TOPSOIL WITH SLAG PIECES, tan masonry debris, grainy
2-3' dark gray/brown mulch
PID AMBIENT 0.7
PID 0.9

12:06 6648
3' RECOVERY
0-1.5 SILT/SAND/GRAINY SLAG DEBRIS,
1.5-3.0 MOIST, DARK CHUNKY SLAG WITH tan and gray resin?
PID AMBIENT → 0.8
PID → 1.2

12:15 6612
1' RECOVERY
BLACK, WET SLAG HEAVY CHUNKY, ROTTEN EGG ODOR
ONLY COULD GET RCN SAMPLE
PID AMB → 0.7 PID → 1.0

Location _____ Date 5/28/15

Project / Client _____

12:20 661216
Full RECOVERY
0-1.5 gray silty sandy fine
1.5-3.0 brown/gray silty clay
PID AMB → 0.8
PID → 0.9

12:25 661620
3' Recovery
0-3' brown/gray stiff clay
PID AMB → 0.8
PID → 0.8

13:00 6704
FULL RECOVERY
0-1' TOPSOIL w/ SLAG DEBRIS
1-4' dark gray, grainy, slag debris
Masonry debris, gravel
PID AMB — 2.0
PID — 3.0

DUP 03 TAKEN

Location _____ Date 5/28/15

Project / Client _____

13:06 6748
2.75' RECOVERY
0-2.75 WET, SLAG LADEN, dark gray
AMB PID — 1.9
PID — 2.4

13:13 67812
2.75' recovery
0-.75 WET, GRITTY, dark gray
w/ slag, oil sheen
0.75-2.5 - PEAT-LIKE
2.5-2.75 - gray clayey sand
PID AMB — 1.5
PID — 1.6
ms
msd

13:18 671216
3.5 Recovery
0-0.5 sandy gray clay
0.5-3.5 stiff gray/brown clay
PID AMB — 1.1
PID — 1.1

Location _____ Date 5/28/15

Project / Client _____

13:21 671620
1.5' recovery
stiff gray brown clay
PID AMB → 1.1
PID → 1.1

14:20 6804
Full Recovery
0-3' SLAG LADEN, coarse gravel brown, masonry debris, grainy
3-4' dark gray w/ light blue slag and slag debris, coarse dry

AMB PID - 1.8
PID - 4.5

14:27 6848
3' recovery
0-3' moist, dark, gritty w/ slag debris. two ≈ 2" layers of masonry debris (tan, light blue)

PID AMB - 1.5
PID - 2.4

Location _____ Date 5/28/15

Project / Client _____

14:34 68812
2' recovery
0-2' dark brown soil, muddy w/ fine slag particles, a few marble sized slag pieces
→ Dup 04 taken
AMB PID - 1.2
PID - 1.8

14:42 681216
3' recovery
0-2.5' dark brown muddy sloppy soil - no slag
2.5-3.0' peat like, dry
AMB PID - 1.2
PID - 1.3

14:52 681620
1' recovery
0-1' brown clay, little gray color

AMB PID - 1.2
PID - 1.2

Location _____ Date 5/28/15

Project / Client _____

15:28 6904
3.5' recovery
0-1' topsoil w/ coarse slag debris
1-2' similar to top layer with larger slag pieces
2-2.5 yellowish tan masonry rubble
2.5-3' dark gray coarse soil with slag debris
AMB PID - 3.1 PID - 3.4

15:35 6948
2.5' recovery
0-1.5' dark brown wet, muddy soil w/ some slag and Masonry debris
1.5-2.5 dark brown mucky soil no coarseness

15:46 69812
3.0' recovery
0-3' dark brown mucky soil

AMB PID - 2.3
PID - 2.4
DUP 05 taken

Location _____ Date 5/28/15

Project / Client _____

15:56 691216
2.5' recovery
0-2.5' stiff gray/brown clay

AMB PID 2.1
PID 2.1

16:04 691620
3.5' recovery
0-3.5' stiff gray/brown clay

AMB PID - 2.3
PID - 2.3

16:25 drill rig packed up

Location _____ Date 5/29/15

Project / Client _____

CLEAR, 60°

7:53 7004

3' RECOVERY

0-1.5 TOPSOIL WITH SLAG PEBBLES AND FINE SLAG DEBRIS

1.5-3' DARKER BROWN WITH GRAY SLAG PIECES, MULCH/WOOD DEBRIS, DRY

AMB PID 0.2

PID 2.4

7:59 7048

FULL RECOVERY

0-1 DARK BROWN SOIL W/ GRAY SLAG PIECES, DRY

1-3.5 DARK BROWN SOIL W/ GRAY SLAG DEBRIS, MOIST

3.5-4 ≈ 3" LAYER OF TAN MASONRY DEBRIS ABOVE SLOPPY BLACK FIBROUS LAYER

AMB PID 0.5

PID 0.7

Location _____ Date 5/29/15

Project / Client _____

8:09 70812

0.5' RECOVERY ONLY RCN/TCN SAMPLE

SLOPPY BLACK FIBROUS ABOVE BLACK STIFFER SOIL, FINE, NO SLAG/GRAVEL/STONES

AMB PID - 0.5

PID - 0.5

8:18 701216

3.5' RECOVERY

0-0.5 PEAT LIKE, MOIST

0.5-3.5 GRAY/BROWN CLAY, STIFF

AMB PID 0.5 PID 0.7

8:27 701620

3.5 RECOVERY

0-3.5 GRAY CLAY, STIFF

AMB PID - 1.0

PID - 1.0

Location _____ Date 5/29/15

Project / Client _____

8:55 7104
3.5' Recovery
0-2' BROWN TOPSOIL, very little slag debris, dry
@ 2' ≈ 3" layer of gray slag
2.25-3.5 similar to 0-2' but moist
DUP 06 taken
AMB PID - 2.0 PID - 2.5

9:01 7148
Full Recovery
0-4' SLIGHTLY moist, dark brown soil, gray slag laden, silty
DUP 07 taken
AMB PID 2.0 PID 3.2

9:06 71817
1.5' Recovery
0-1.5' wet, dark brown sandy, silty, fibrous, no slag/gravel
AMB PID 3.0. PID 3.1

Location _____ Date 5/29/15

Project / Client _____

9:16 711216
2' recovery
0-0.5 Peat like
0.5-2 gray brown clay stiff
AMB PID 3.2
PID 3.4

9:26 711620
3' recovery
0-3 gray brown stiff clay
AMB PID 3.2
PID 3.3

10:06 7204
3' recovery
0-1' topsoil w/ slag debris and slag pieces
1-1.5 Same as above but moist above tan masonry layer ≈ 4" in depth
1.5-3 dark brown, moist consistency similar
AMB PID 7.7. PID 8.7 to 1-1.5

Location _____ Date 5/29/15

Project / Client _____

10:09 7248

Full recovery

0-2 dark brown silty soil with slag pieces (gray) and plant fiber, moist, tan Masonry

2-4 Same as above but lighter in color rusty no fiber, drier

AMB PID 7.0 PID 8.2

10:13 7281?

full recovery!

0-1' same 2-4' above

1-4' dark brown moist sandy soil with slag debris and pieces gritty

AMB PID 6.3

PID 6.4

Location _____ Date _____

Project / Client _____

11:34 7304

3' recovery

0-1 reddish brown slag laden sandy grainy top soil bluish slag pieces

1-2 dark brown slag laden sandy grainy soil w/ gray slag pieces

2-3 same as above but moist and rusty color

AMB PID 6.7 PID 6.9

11:40 7348

2.5' recovery

0-0.5' rusty color, wet sandy with slag debris and slag pieces

0.5-1.5 black slag laden very coarse, chunky

1.5-2.5 black sandy silty moist no slag or debris no stones

AMB PID 5.7 PID 6.2

Location _____ Date _____

Project / Client _____

11:47 7382

2.5' recovery

0-0.5 peat like

0.5-1.5 sandy clay, gray

1.5-2.5 stiff gray clay

AMB PID 5.7 PID 5.9

Location _____ Date _____

Project / Client _____

8/24/15

8:00 A. Reilly and C. Meehan on site

Weather: 65°F, partly sun

8:30 SJB (3 personnel) on site,

9:05 Set up at SB-80

9:10 Begin drilling at SB-80

0-2 ft recovery 1.5 ft
topsoil top 2", white flat rock, loose
meter: 0.5 uR/hr @ 2 ft bgs

2-4 ft: recovery 5"
loose, brown silty, chunk of slag
meter 0.3 uR/hr near slag chunk
hit refusal at 3.6

3.2-3.6 crumbly blue slag material
meter: 0.6 uR/hr

10:00 Collect SB-80-0-3.6-20150824

10:08 Set up at SB-75

0-2 ft: recovery 8"
top 2" light gray loose, dry material with large chunk concrete?, some brick pieces, bottom is dark brown sandy silty, loose
reading: 0.5 uR/hr
moved auger ~2 ft due to hitting boulder having trouble driving split spoon, called JOHN A. Pic-corrow - she will call SJB to decide if geoprobe may be option

8/24/15

2-4 ft spoon
3-3.5 ft recovery 0.5 ft
cohesive piece of silty, clay with chunks of blue slag material
meter: 0.4 uR/hr

11:20 Collect SB-75-0-3.5-20150824

4:30 SJB takes rig back to truck to fix jack

11:50 SJB to lunch, A. Reilly and C. Meehan to get ice

12:27 Return from lunch

1235 Set up at SB-77

0-2 ft recovery 2 ft
dark brown, top soil with sparkles
meter: 0.6

2-4 ft recovery 1 foot
brown, dry fill material, crumbles
meter: 0.5

4-6 ft recovery 8"
loose, dry rusty brown color fill with shiny
meter: 0.5

6-8 recovery 0.5 ft
silty black/brown with shiny, slag pieces at 6.5 ft bgs,

8-10 recovery 10", bluish slag material, gray clay
meter 0.6

8/24/15

1340 Collect SB-77-0-9-20150824
1345 Set up at SB-74
0-2 ft recovery 1.0 ft
0-6" topsoil, 6"-12" white-gray chunks concrete?, crumbled white material
meter: 0.5
2-4 ft recovery 1.5 ft
0-0.5 light brown and gray loose gravel
0.5-1.0 black clayey material w/ blue specks and wood fibers
1.0-1.5 clay with greenish blue streaks, crumbles easily, some rock, meter: 0.4
4-6 recovery 2 ft
0-1 loose, med gray rock
1-2 blue colored clay, bottom 3 inches blue and green flat rock pieces, similar to shale like
6-8 ft recovery 1.0 ft
0-0.5 moist, brown clay with small stones
0.5-1.0 bluish brown clay, crumbles easily; meter: 0.5
8-10 ft recovery 2.0 ft
0-1 top 3 inches blue/gray clay remaining is loose black granular material with blue specks meter: 0.6

8/24/15

10-12 recovery 2.0 ft
wet, dark gray/blue silty material with gravel size rocks, meter: 0.6
12-14 ft recovery 1.5 ft
0-0.5 ft ~~rusty orange rock~~ dark gray/blue silty material w/ gravel
1.0-1.5 rusty orange rock chunks
14:55 Collect SB-74-0-14-20150824
1510 Set up at SB-82
0-2 ft recovery 1.0 ft
0-4" topsoil, plant material
4"-1.0 ft orange concrete/masonry pieces Meter: 0.4
2-4 ft recovery 1.0 ft
orange concrete/masonry, some wood fibers, black silty material, crumbles
4-6 ft recovery 1.0 ft
0-6" orange concrete pieces and orange dust, some wood fibers, meter 0.6
6"-1.0 ft darker black silty material with light gray rock pieces
6-8 ft recovery 6"
wet, chunks of gray rock, small orange chunks, wood fibers, 0.5 meter
8-10 ft recovery 6", wet, primarily wood fragments, meter 0.9

8/24/15

10-12 ft, recovery 0.5 ft
Wet, wood pieces with orange hard chunks concrete/masonry, meter: 0.5
12-14 ft, recovery 1.5 feet
Wet, black silty, wood fragments
meter: 0.6
14-16 recovery 2 feet
soft brown/gray clay meter:
1640 Collect SB-82-0-16-20150824
1645 SJB decon
1505 SJB and CMM Smith offsite

8/27/15

0645 SJB on site
700 A. Pitelli + C. Mitchell on site
weather light rain 63°F
710 MLB to SB-79
727 Begin drilling SB-79
0-2 ft recovery 1.5 ft
top 2" topsoil, roots, wood, light brown
meter = 0.6 uR/hr
gray, reddish stone, rock mixture
2-4 ft. recovery 1 ft recovery
top 2" soil/fill - light brown
6" reddish brick like stones
4" black clay - smells of petroleum
4-6 1.5 ft recovery
0-0.75 ft black silty clay with small stones
0.75-1.0 orange masonry pieces
1-1.5 black clay, silty, some rock slag pieces
6-8 ft. 1.5 ft recovery
reddish rock, brick like pieces
gray slag
brown clay
815 Collected SB-79-0-8-2015
815 MLB to SB-78
CMM

8/25/15

6:12 Begin drilling SB-78

0-2 2ft recovery meter 0.5
dark brown Topsoil

2-4ft. 1.5 ft recovery
dark brown topsoil, lighter towards bottom 6"
meter = 0.6 uR/hr

4-6ft. 1.5ft. recovery meter 0.5
dark brown topsoil

6-8ft. 1.5 ft. recovery
4" dark brown top soil
1' gray ~~crumbly~~ clay
last 7" gray gravelly silt
meter = 0.8 uR/hr.

8-10ft. 2 ft. recovery
top 1.5 ft. gray, white ~~silt~~ drill cuttings
bottom 0.5 ft black silty clay
meter = 0.7 uR/hr.

10-12ft 2 ft. recovery
6" gray, whitish silty clay
1.5' black & brown petroleum smell
meter 0.8 uR/hr.

12-14ft. 2 ft. recovery
black w/ streaks brown & gray, rock towards bottom
meter = 0.9 uR/h

9:35 collect SB-78-0-14-2015 @ 25 + DUP ~~AM~~

8/25/15

collected 2 gallon Ziplocks, Sample + Dup.1

9:40 Clean pipes @ SB-78
9:45 MOB drill to decon area
10:15 MOB SB-76
10:20 Begin drilling SB-76
10:28 hit slab of concrete - moving to new SB-76 location - forward several feet.
10:32 Begin drilling new SB-76

0-2ft. 1.5 ft. recovery
6" brown topsoil - light brown
6" rock - grey
6" dark brown rocky soil
meter = 0.8 uR/hr.

2-4ft. 1.5ft recovery
top 1'4" light brown soil - topsoil
2" slag - gray, bluish slag
meter = 0.7 uR/h

4-6ft. 2 ft. recovery
1 ft - dark brown/gray
top 1 ft. brown soil
bottom ft. hard clay - brittle w/ rocks in it.
meter = 0.6 uR/h

6-8ft. 1.5 ft. recovery
top 4" brown soil
6" light brown silty clay
4" gray on side - yellow inside sand like but softer section hard

8/25/15

bottom 4" gray hard-brittle clay/rock
meter=0.5 µR/h.

11:05 collect sample SB-76-0-8-20150825
11:10 MOB SB-81
11:15 Begin drilling SB-81
0-2ft. 1.3 ft recovery dark brown soil w/ sparkling sheen
meter=0.3 µR/hr
2-4ft. meter=0.7 2ft. recovery 1ft. dark brown soil w/ sparkles turn to dark gray clay like dirt bits sing
bottom 4" light gray clay
4-6ft. 2ft. recovery
top 6" dark brown soil
bottom 1.5' gray-light brown brittle, rock like or hard clay
meter=0.7 µR/hr.
11:45 collect SB-81-0-6-20150825
11:55 SJB TO lunch
12:00 Test America on site to pick up
TA picked up samples: SB-82, SB-79, SB-78 DUP 1., SB-76, SB-81
12:07 A. Ridly, C. Meehan off site for lunch
12:30 SJB decon equipment
12:30 A Ridly GPS completed SB's

8/25/15

12:50 MOB SB-83
B00 Start drilling SB-83
0-2 ft. 2 ft. recovery brown topsoil w/ sparkles
meter 0.7
2-4 ft. 1.5 ft. recovery
top 6" dark brown topsoil
bottom 1' light gray and brown brittle dry clay. - last 6" of very hard, solid pieces
meter = 0.6 µR/hr.
4-6 ft. 1.5 ft. recovery meter: 0.5
top 6" dark brown/green/gray compacted clay - dry. brittle
6" gray & red/orange mason
bottom 6" wood pieces - black - smell petroleum -
6-8 ft. 1 ft. recovery. wet, black water table oil staining silty clay, some rocks. smell petroleum orange mason material
meter=0.4 µR/h
8-10 ft. very wet material - dripped off when spoon pulled up
6" recovery, black covered wood
meter=0.3 µR/h

8/25/15

10-12ft 6" recovery, dark brown wood w/ orange mason material
meter: 0.4 uR/hr.
13:50 Collected SB-83-0-12-20150825
14:00 MOB SB-88
14:15 Begin drilling SB-88
0-2 ft. No recovery - just one large rock. not collected.
2-4 ft. 6" recovery
top 4" brown topsoil w/rocks
2" yellow w/ blue stripes solid rock material
bottom 2" concrete & wood covered in soil
meter = 0.6 uR/h.
moved SB-88 over slightly
0-2 ft. 2 ft. recovery
dark brown soil w/ rock slag pieces gravel, orange bits, petroleum smell
meter = 0.8 uR/hr. came from orange material
4-6 ft. 1 ft. recovery
top 2" dark brown soil
4" light gray and dark clay solidified sand and slag

CMH

8/25/15

bottom 6" dark gray to black clay with wood and coal chunks petroleum smell
meter = 0.6 uR/h over light colored solidified sandish material
6-8 ft. 1.5 ft. recovery
top 6" light gray, black mix slag, gravel, ~~dirt~~ soil, chunk of solid light gray
bottom 1' black and brown, orange wet silty clay.
petroleum smells
meter = 0.6 uR/h
14:43 collect SB-88-0-8-20150825
collect MS/MSD
14:52 MOB SB-84
14:57 SSB decon augers
1500 Begin drilling SB-84
0-2 ft recovery 1.5 feet
top 3" topsoil, plant material
3"-1 Foot: dark brown, silty with few chunks blue slag
1-1.5 ft dark brown, silty with dark orange hard material, rock. meter = 0.5

CMH

8/25/15

2-4 ft. 1, 2 ft. recovery
meter: 0.5 μR/h
top 6" brown soil, orange pieces
rest hard brown, gray, w/ bits
rock slag

4-6 ft. 1.5 ft. recovery
same looking material as 2-4
brown, reddish, gray, black,
slag chunks
bottom 6" wetter, w/ very
light brown bits, reddish,
black, petro smell
meter = 0.6 μR/hr.

6-8 ft. hit water table
6" recovery
black and off white
pieces of rock, may be shells
meter = 0.7 μR/h

8-10 ft. 2 ft. recovery
all black with red brick
light gray, slag, wet
meter: 0.6 μR/h

15:50 Collected SB-84-0-10-20150825
16:00 SJB + CDM cleanup
16:15 CDM + SJB offsite

CMM

8/26/15

6:45 E. Rosenzweig and C. Meehan
on site: weather: 70° partly cloudy
7:15 one SJB driller on site
7:20 deconning rigs
7:30 CDM flagging the rest of
soil borings
8:00 mob to SB 85
8:13 begin drilling SB-85
0-2 ft. 14" recovery
~~bottom 6" fine, very fine sandy soil~~ CM
~~dark brown~~
top 4" light brown, fine, sand
bottom 10" dark brown, very fine
sandy & w/ ash in it (white/black)
~~meter~~ meter = 0.5 μR/hr.
2-4 ft. 13" recovery meter = 0.7 μR/h
8" SAA (10")
5" gray ~~w/ brick chunks~~, silty
clay, little brick
4-6 ft. full recovery meter = 0.6 μR/h
2" SAA
22" black, Ash, trace silicon sand
6-8 ft. no recovery, wet
8-10 ft. hit water 14" recovery meter = 0.5 μR/h
dark gray/black, slag, fly ash, little gravel
Smell: organic, sulfur smell CMM 8/26

9:10 Collected SB-85-0-10-20150826 and SB-85 MS/MSD Triple volume collected for MS/MSD

9:20 MOB [SB-89]

9:27 Begin drilling SB-89

0-2ft. 23" recovery meter=0.7uR/h dark brown, very fine sand, little to some gravel, little brick, ash

2-4 ft. 20" recovery meter=0.6uR/h first 1ft. SAA bottom 8" gray fine sand

4-6ft. 1ft. recovery meter=0.5uR/h dark brown, fine sand, little concrete

6-8ft. 2" recovery meter=0.5uR/h black fine sand, some cerodse moist

8-10ft. hit water at 8ft. 7ft" recovery meter=0.4uR/h black, ~~gravelly~~, fine to medium little sandy pieces

10-12ft 11" recovery meter=0.7uR/h black, silty clay

10:00 Collected SB-89-0-12-20150826

10:15 MOB [SB-87]

0-2' 23" Recovery 0uR/hr

13" Dark Brown VF-Silt little Gravel, Ash

2-4' 23" Recovery 0.4uR/hr

SAA

4-6ft. 19" recovery meter=0.4uR/hr SAA

6-8ft. 17" recovery meter=0.4uR/hr SAA but moist

8-10 ft. 16" recovery meter=0.7uR/hr SAA moist

10-12ft 16" recovery meter=0.5uR/hr top 4" SAA moist 6" gray silty clay 6" light brown clay

10:50 Collected SB-89-0-12-20150826 Collected Dup. 2

11:00 MOB to [SB-92]

11:05 begin drilling SB-92

0-2ft. 18" recovery meter=0.7uR/h dark brown, fine sand, little concrete

2-4ft. 18" recovery meter=0.4uR/h SAA, some concrete

4-6ft. 13" recovery meter=0.4uR/h SAA- moist → wet

6-8ft. 12" recovery meter = 0.3 μR/h
wet, SAA, lower 2" some fly ash
8-10 ft. 6" recovery meter = 0.3 μR/h
dark brown, silty clay with peat
11:35 collected SB-92-0-10-20150826
11:55 SJB + CDM offsite for lunch
12:40 SJB + CD M back on site
12:42 Begin drilling SB-91
0-2ft. 22" recovery meter=0.4 μR/h
light brown, sand, some concrete
2-4ft. 20" recovery meter: 0.5 μR/hr.
dark brown, fine sand, some concrete, little coal
4-6 ft. 15" recovery meter = 0.6 μR/h
dark brown, sand, little concrete
6-8ft. 11" recovery meter = 0.4 μR/h.
SAA, bottom 1" some slag
8-10ft 23" recovery meter = 0.5 μR/h
19" black, silty clay
4" dark brown clayey silty clay, some peat
13:10 collect SB-91-0-10-20150826
13:15 MoB SB-91
13:20 Begin drilling SB-92
0-2ft full recovery meter = 0.4 μR/h
brown, sand, little concrete

2-4ft - 17" Recovery 0.6 μR/hr
8" Dark Brown F-M SAND
Trace Gravel
1" Brown M-SAND
↓ Dark Brown F-M SAND
Trace Gravel, Ash
4-6' 13" Recovery 0.4 μR/hr
↓ SAA trace Brick
▼ At 5'
6-8' Black F-C SAND - Saturated
Recovery 11" 0.4 μR/hr
8-10' 10" meter = 0.35 μR/hr.
SAA
13:45 Collected SB-92-0-10-20150826
13:53 MoB SB-93
14:00 Begin drilling SB-93
0-2ft. 23" recovery meter = 0.9 μR/hr.
dark brown Fine SAND.
Little gravel
2-4ft. 16" recovery meter = 0.6 μR/h.
TOP 12" SAA
bottom 4" dark gray SILT, little sky
4-6ft. Full recovery meter: 0.8 μR/h
around 4 1/2 ft.
SAA, little concrete, little wood

6-8 ft. Full Recovery meter=0.6 uR/h
Black, fine, Sand
bottom 4" saturated, black, course sand
8-10 ft. 10" recovery meter = 0.4 uR/h
Gray coarse silt
14:25 Collected SB-93-0-10-20150826
14:30 MOB SB-90
14:33 Begin drilling SB-90
0-2 ft. Full recovery, meter: 0.6 uR/h
Dark brown, fine Some slag, little concrete
Spoon refusal at 2½ ft.
2-4 ft. 6" recovery meter = 0.6 uR/h 8/26/15
dark brown, ~~SAA~~ fine, SAND
little slag. ~~little~~ 8/26/15
4-6 ft. 21" recovery meter = 0.7 uR/h.
Dark brown, fine, SAND,
bottom 2" moist
6-8 ft. 13" recovery meter = 0.5 uR/h
Black saturated, F-C Sand
8-10 ft. 14" recovery meter = 0.6 uR/h
SAA
15:04 Collects SB-90-0-10-20150826
15:10 MOB SB-98
15:17 Begin Drilling SB-98
0-2 FT- 17" recovery 1.6 uR/h
8/26

Light brown Fine SAND, little concrete, ~~some~~ little brick
2-4 Ft. Full recovery meter 8/26/15 = 1.6 uR/h
Dark brown, fine SAND, little concrete
4-6 ft. Full recovery 0.9 uR/h
very dark brown, fine, SAND, little slag
6-8 ft. 1" recovery 0.3 uR/h
Black, Coarse SAND, little SLAG
8-10 ft. 3" =0.3 uR/h
Saturated Dark brown Clay
15:50 Collected SB-98-0-10-2 50826
16:20 SJB offsite
16:30 CDM offsite
8/26/15

8/27/15 BLCP

7:00 CDM onsite weather: 58°, cloudy
7:10 SJB onsite
7:15 MOB [SB-95]
7:18 Begin drilling SB-95
0-2ft. ~~Full recovery~~ 19" recovery meter=0.5 uR/h dark brown, SAND, little concrete
2-4ft. ~~Full recovery~~ 22" recovery meter=0.5 uR/h Dark brown SAND, little concrete, sparse peat.
4-6ft. Full recovery meter=0.6 uR/h dark brown, fine SAND, sparse concrete, sparse purple gravel
6-8ft. Spoon refusal at 7.5ft. ~~auger SAA~~ 15" recovery meter=0.6 uR/h SAA
8-10ft 8" recovery meter=0.3 uR/h Black, saturated coarse SAND, some wood/peat, bottom 1" slag
7:55 collect SB-95-0-10-20150827
8:02 MOB [SB-94]
8:08 Begin drilling SB-94
0-2ft. 22" recovery meter=0.4 uR/h top 1ft. brown, fine SAND,

CM 8/27

8/27/15 BLCP

bottom 10" mixture black, white, light brown - concrete, ash, SAND
2-4ft. 15" recovery 0.4 uR/hr. dark brown, light brown beige, fine SAND, some concrete
4-6ft. 19" recovery meter=0.4 uR/hr. Top 10" black-dark brown coarse sand, 3" purple and beige coarse SAND bottom 6" gray silty CLAY
6-8ft. Full recovery meter=0.5 uR/h Black, coarse SAND
8-10ft. 15" recovery meter=0.3 uR/h Black, coarse SAND

CM

8:40 Collected SB-94-0-10-20150827
9:10 Set up on [SB-96]
0-2' Dark Brown VF-F SAND Some Gravel, Brick, Concrete Recovery - 24" 0.6 uR/hr
2-4' 14" Recovery 0.7 uR/hr 6" SAA ↓ Black VF-M sand and Ash trace Gravel
4-6' 19" Recovery 0.2 uR/hr

CM 8/27

8/27/15

12" SAA
bottom 7" gray, fine SAND, little slag, trace ash
6-8 Ft. Full Recovery 0.8 uR/hr.
dark gray, black, coarse SAND ~~#5~~ trace Ash, Slag
8-10 Ft. 22" recovery 1.5 uR/h.
Black, coarse SAND, trace concrete, trace brick
9:55 Collect SB-96-0-10-20150827
10:00 MOB SB-86
10:08 Begin drilling SB-86
0-2ft. 22" Recovery = 0.9 uR/hr.
dark Brown, fine SAND, lit. concrete, trace brick
2-4ft 17" recovery = 0.6 uR/h
SAA
4-6ft. 16" recovery 0.5 uR/hr
Black, F-M sand, little concrete, brick, slag,
6-8ft. 14" Recovery 0.8 uR/hr
↓ SAA slight petroliun odor
▼ @ 7' BGS
8-10' Spoon Refusal @ 8.5' BGS
6" recovery 0.4 uR/h
Black, coarse, SAND, little concrete
Petroleum Shell

8/27

10:30 Note: found gate open to fenced in area after it was locked on 8/25/15 by CDM. Closed and locked gate.
10:45 collect SB-86-0-8.5-20150827
10:55 Test America here to pick up Samples
11:05 gps left are coordinates
11:30 Finish every GPS coordinate
1:50 CDM ~~off~~ site

Clear 8/27

8/27/15

GPS Coordinates

SB85	1488678.03 N -674938.33 E	
SB87	1488529.14 N -674846.39 E	
SB86	1488276.65 N -674915.06 E	
SB92	1488420.91 N -674677.06 E	
SB91	1488516.28 N -674374.23 E	
SB95	1488588.9 N -674123.72 E	579.18 Ft (MSL)
SB94	1488667.21 N -673946.04 E	
SB96	1488900.8 N -674098.76 E	
SB93	148854.45 N -674278.24 E	
SB-97	1488712.09 N -674359.66 E	575.37 FT (MSL)
SB98	1488647.52 N -674473.73 E	575.83 FT (MSL)

CMS/27

8/27/15

SB-90	1488756.80 N -674535.55 E	576.4 FT (MSL)
SB-89	1488627.81 N -674812.84 E	578.25 FT (MSL)
SB79	1488462.81 N -675248.65	570.31 (MSL)
SB-80	1488190.07 N -675204.77 E	562.41 (MSL)
SB-83	1488509.32 N -675381.11	557.84 (MSL)
SB-75	1488146.98 N -675303.47 E	563.73 MSL
SB-77	1488205.5 N -675419.95 E	
SB-74	1488076.8 N -675576.37 E	568.03 MSL
SB-82	1488356.6 N -675246.33 E	570.27 MSL
SB-88	1488470.88 N -675010.75 E	562.64
SB-78	1488362.41 N -675398.83 E	568.8 MSL
SB-84	1488590.14 -675042.52	570.46

allen 8/27

SB-76	1488363.41 -675675.82E	567.4
SB-81	1488460.25 -675585.92E	564.13 MSL

SOIL

SB-XX-0-4-052615
1 Reactive CN
2 Total CN
3 TAL Metals
4 SVOCs
(4-FT SPOONS; 0 to 20')

CATCH BASINS

STORMWATER
CB-XX-MMDDYY
- Total CN
- TAL Metals
- SVOCs
* (Free CN) → Alloway ← Trows. or earlier
* Filtered & unfiltered
* Collect 2F parameters & depth (to water, to bottom)

- PROPOSED GEOPROBE LOCATIONS
- PROPOSED SURFACE WATER LOCATIONS

Catch basins

TIFFT STREET

100' NYSDEC WETLAND BUFFER

LOT 10
18.0± ACRES
10.8± ACRES DEVELOPABLE

LOT 11
17.4± ACRES
6.3± ACRES DEVELOPABLE

LOT 6
10.8± ACRES
5.5± ACRES DEVELOPABLE

LOT 5
5.4± ACRES

LOT 9
5.5± ACRES

LOT 8
4.9± ACRES

LOT 7
4.8± ACRES

LOT 4
5.6± ACRES

PROPOSED 15' WIDE UTILITY CORRIDOR (TYP. BOTH SIDES)

SHIP CANAL PARKWAY

SISQUEHANNA DRIVE

EUHRMANN BLVD

NYS ROUTE 5

STORMWATER TREATMENT FACILITY

SHIP CANAL COMMONS

UNION SHIP CANAL

NOTE:
THIS SHEET INDICATES MASS SITE GRADING TO PROVIDE FUTURE BUILDING PADS AND POSITIVE SITE DRAINAGE. THE EARTHWORK SHOWN OUTSIDE OF THE R.O.W. CONSTITUTES ADD-ALTERNATE BID #1. SEE SHEETS C-118 - C-121.

C&S COMPANIES
C&S Engineers, Inc.
90 Broadway
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

STATE OF NEW YORK
LOWELL K. DEWEY
PROFESSIONAL ENGINEER

BUDC
Buffalo Urban Development Corporation

BUFFALO URBAN DEVELOPMENT CORPORATION
BUFFALO LAKESIDE COMMERCE PARK
PHASE IV
ERIE COUNTY
BUFFALO, NY

MARK	DATE	DESCRIPTION
		REVISIONS
PROJECT NO:		135D.001.001
DATE:		7-29-10
DRAWN BY:		M. SUTTON
DESIGNED BY:		M. SUTTON
CHECKED BY:		L. DEWEY

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

CIVIL

OVERALL SITE PLAN

C-102

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Oct 04, 2010 - 3:15pm
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Location BUFFALO, NY Date 5/29/15

Project / Client BLCP PARCEL 4 / NYSDEC

1001	MOB. TO CB-29.
	DTW: 6.14 FT BELOW TOP OF GRATE.
1025	COLLECTED CB-29-052915.
1030	" CB-29-F-052915.
1035	" " CB-29-F-MS-052915.
1040	" " CB-29-F-MSD-052915.
1045	17.84 °C
	0.479 mS/cm
	9.08 S.U.
	66.1 mV ORP
	6.4 NTU
	4.91 mg/L D.O.
1100	PACKED COOLERS FOR SATURDAY DELIVERY.
	PACKED EXTRA BOTTLES AND COOLERS FOR
	GROUND DELIVERY.
1230	OFF SITE TO FEDEX.
1330	ON SITE TO LABEL SOIL JARS.
1445	OFF SITE TO FEDEX AND COMSMITH
	BUFFALO FOR SUPPLIES (OTHER PROJECT).

K Reppreyer 5/29/15

Location Buffalo, NY Date 10/12/15

Project / Client BLCP PARCEL 4 / NYSDEC

SB-74 63°F sunny

741	L. Estrada onsite.
821	~~SB~~ SSB onsite. and F. Moody.
822	Called A. Picuno to ask about bottleware. Bottleware was not ordered so I will call TA later.
843	Mob to ~~SB~~ SETUP RIG TP-13. (SB-74)
	0-2' 1 ~~ft~~' of recovery. PID 0.0 brown-top soil
	2-4' 1.5' recovery, gray cement + light + brown/gray slag. PID 0.0
910	Collected SB-74-0-4-101215
	4-6' 2 ft recovery gray slag material some brown soil PID 0.0
	6-8' 1.5' recovery saturated PID 0.0
	YE ~~moist~~, rock pieces, sandy gravel 10/12/15 light gray in color.
932	collected Sample SB-74-4-8-101215
	8-10' saturated; dark gray/light gray slag material, rock pieces. PID 0.0 1.5' recovery @9 natural/native dark [gray clay].
	10-12' dark brown some spots of orange - natural clay - 2' recovery. PID 0.0

Lri E 10/12/15

Location Buffalo, NY Date 10/12/15

Project / Client BLCP. NYSDEC / CDM

SB-74

1006 Collected Sample SB-74-8-12-101215.

NOTE: All samples are being collected in zip locks due to lack of bottles.

+ DUP - SB-DUP-1-101215

12-14' 2' recovery, saturated. dark brown clay 12-13

13-14' gray clay. PID 0.0

1020 ~~SB-14~~ ~~SB5~~ offsite - to get chips, ~~food~~ and breakfast.

E. Moody and L. Estrada break.

1030 ~~SB3~~ ~~SB5~~ back onsite. Said Tim need to get more equipment.

1037 E. Moody and L. Estrada offsite for bathroom.

1121 ~~SB3~~ ~~SB5~~ and CDM back onsite.

Resume drilling SB-74.

14-16' 10" Recovery Brown gray clay

1126 Collected sample "SB-74-12-16-101215".

PID 0.0

16-18' 1' recov. Gray clay

1136 18-20' 2' recov. gray clay PID 0.0

Jim Eston 10/12/15

Location Buffalo, NY Date 10/12/15

Project / Client BLCP NYSDEC / CDM

SB-75

1148 Installed 2" PVC

10' RISER 10' SCREEN.

~ 5" STICK UP BACKFILL W/SAND

(NOTE: SPOKE W/ A. PICUNAS - WILL PICK UP BOTTLES ~~FROM AFTER SET UP~~ LOCATION later when A. Picunas calls back).

Speak w/ Ovidette to get ~~to~~ counter service set-up).

→ Location is about 50 ft of the curb - north

→ North of service tower on Parcel 4

1300 PACKED UP AT TP-13 / SB-74

SBJ and CDM offsite for lunch.

1344 ~~SB-SB3~~ + CDM back onsite.

1355 Decon and mob to TP-14 (SB-75).

1403 Mob - Collected Sample SB-75-0-4-101215

0-2' 1' recovery - Top soil, brown. some rock pieces. PID 0.0 ppm

2-4' 1' recov slag and some top soil. PID 0.0

1420 4-6' 1.75' recov. slag material. PID 0.0

6-8' 1' recov. slag PID 0.0.

1428 Collected sample SB-75-4-8-101215

Jim Eston 10/12/15

Location Buffalo, NY Date 10/12/15

Project / Client BLCP Parcel 4. / NYSDEC

SB-75.

8-10' 1.5' recovery slag material and some dark/black soil. PID 0.0

10-12' 0' recovery

1439 Collected sample SB-75-8-12-101215.

12-14' 1' recovery dark soft brown soil/clay.. moist. PID 0.0.

14-16' moist, 1' recov. gray clay PID 0.0

1449 Collected sample SB-75-12-16-101215

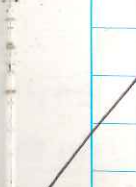
1500 Drill crew got auger auger stuck to the next one - try to get unstuck...

16-18' 2' recovery slag 16-16.5'
16.5'-18' gray clay. PID 0.0.

18-20' 1.75' rec. gray clay PID 0.0

1578 Collected sample SB-75-16-20-101215.

1555 Installed ¾" 2" PVC.
10' RISER 10' SCREEN.
BACKFILL SAND + CHIPS + CUTTINGS.
PACK UP AT SB-75 / TP-~~16~~ 14
Jia Entsminger 10/12/15



Location Buffalo, NY Date 10/12/15

Project / Client BLCP Parcel 4 / NYSDEC

SB ~~SB~~

1618 ~~SB~~ offsite.

1630 CDM offsite to pick up bottles and COCs at TA and then to FedEx.

1900 Samples received by TA.

Jia Ent 10/12/15

Location Buffalo, NY Date 10/13/15

Project / Client BLCP Parcel 4 / NYSDEC

SB-76

728 L. Estrada onsite. Weather: 61°C cloudy, windy (17 mph).

745 E. Moody onsite with ice.

820 STB ~~SBJ~~ onsite.

838 Mob to TP-15 (SB-76).

0-2' 1' rec. top soil and some chunks of orange brick/cement. PID 0.0

2-4' 2' rec light brown sand, fill black streaks PID 0.0

903 Collected sample SB-76-0-4-101315

4-6' 2' recovery light gray/dark gray slag material, rock chunks. PID 0.0

6-8' 6" recovery slag and rock pieces PID 0.0

922 Collected sample SB-76-4-8-101315.

8-10' 1.75' recovery

PID 0.0 dark gray slag material.

10-12' 1' recovery some slag dark brown/black soil - clayey. some wood chips

935 Collected sample SB-76-8-12-101315

12-14' - 0' recovery

14-16' - 1' rec. Sat. dark-gray brown clay PID 0.0

Jia Eaton 10/13/15

Location Buffalo, NY Date 10/13/15

Project / Client BLCP Parcel 4 / NYSDEC

SB-76

953 Collected sample SB-76-12-16-101315

16-18' 2' rec. Sat. gray clay PID 0.0.

18-20' 2' rec. Sat. gray clay PID 0.0

1018 Collected sample SB-76-16-20-

→ SB-MS-101315, SB-MSD-101315 101815

1015 INSTALLED 2" PVC + MS/MSD TP-15

10' RISER, 10' SCREEN

BACK FILL 2 of 3 bgs - 12 - SAND

12 - 10 - CHIPS

10 - 0 CUTTINGS

1053 ~~SBJ~~ STB Pack up at TP-15.

1149 ~~SBJ~~ offsite for Lunch.

1200 CDM Smith offsite for lunch.

1257 CDM + SBJ back onsite.

1300 ~~SBJ~~ STB putting drums in secured Lot 9.

1313 Subsurface Soil Coordinates. SP WEST - NY

	Northing (ft)	East (ft)	Elevation (ft)
TP-13/SB-74	1034134.60	1076973.37	463.86
TP-14/SB-75	1033937.30	1076453.80	463.80
TP-15/SB-76	1033718.17	1075860.77	464.27

Jia Eaton 10/12/15

Location Buffalo, NY Date 10/13/15

Project / Client BLCP Parcel 4 / NYSDEC

SS-72 — SS-75

1353 Mob towards SS-72. Starting surface soil sampling.

1400 Collected sample SS-72-101315. 2 jars for pH + TAL metals
PID 0.0
1035721.28 N
1075872.31 E
461.78 ~~HAE~~
Loc 10ft to the east of TP-15

1416 Collected sample SS-73-101315
2 jars for pH and TAL metals
PID 0.0
1033850.02 N
1076126.31 E
461.38 ft HAE
Loc: within storm outfall basin

1433 Collected sample SS-74-101315
PID 0.0
1033949.57 N
1076491.07 E
463.65 HAE
Loc. 10ft east of TP-14

1441 Collected sample SS-75-101315 + MS/MSD
→ SS-MS-101315
→ SS-MSD-101315
PID 0.0
1034204.92 ft N
1076698.00 E
463.56 HAE

Jin Eo 10/13/15

Location Buffalo, NY Date 10/13/15

Project / Client BLCP Parcel 4 / NYSDEC

SS-76, SS-77

1504 Collected SS-76-101315.
1033573.76 ft N
1076562.17 ft E
461.43 HAE
PID 0.0

1510 Collected SS-77-101315 + DUP
→ SS-DUP-101315
1033648.34 N
1076621.96 E
465.44 HAE

1539 SJB picked up the rig and left the site.
COM labeling and packing coolers for TA.

1600 Mob to TP-13.
DTW TIC (ft): 6.80
DTB TIC (ft): 20.05
STICKUP: 8.25" AGS

1635 Began purging TP-13

TIME	TEMP °C	pH	ORP	SPC mS/cm	TURB NTU	DO mg/L
1635	13.35	10.80	59.3	1.223	1483.5	10.18
1640	13.58	10.77	54.1	1.242	1487.2	6.00
1645	13.96	10.90	40.1	1.302	483.7	4.57
1650	14.28	10.99	27.1	1.319	339.5	3.33
1655	14.15	10.95	20.0	1.262	577.4	2.72
Via 1700	13.89	10.85	18.0	1.234	668.4	2.33

Jin Eo 10/13/15

Location Buffalo, NY Date 10/13/15

Project / Client BCP Parcel 4 / NYSDEC

TP-13 Cont...

Time	Temp °C	pH	ORP	SPC	Turb	DO (mg/L)
1705	13.65	10.73 10.52	17.2	1.203	707.1	2.17
1710	13.47	10.52 10.45	17.4	1.167	860.6	2.89
1715	13.38	10.45	18.6	1.141	1035.7	2.64
Emptied FLOW CELL						
1720	13.22	10.55	20.5	1.124	1118.4	6.24
1725	13.18	10.66	21.0	1.124	841.5	4.41
1730	13.15	10.74	21.6	1.124	710.3	4.27
1735	13.10	10.71	21.3	1.107	703.1	4.25

1745 Packed up and brought purge water to drums.

1800 CDM Smith offsite.

Liz Estrada 10/13/15

Location Buffalo, NY Date 10/14/15

Project / Client BCP Parcel 4 / NYSDEC

Weather: 50°F mostly cloudy, wind 12 mph.

721 L. Estrada and E. Moody onsite.

730 E. Moody set up at TP-14.

Water quality parameters in other Field Book (Field Book II).

740 L. Estrada mob to TP-02.

PID 0.0 DTW TIC: 5.66 DTB: 14.81

TIME	TEMP ±10%	SPC ±3%	DO ±10%	pH ±0.1	ORP ±10	TURB ±10%
935	16.16	2.947	4.31	8.04	-115.1	594.2
940	16.18	2.416	3.89	7.95	-124.9	432.0
945	16.16	2.384	3.78	7.88	-127.4	93.1
950	16.15	2.364	3.40	7.85	-123.6	56.6
955	16.20	2.353	2.62	7.83	-120.7	61.7
1000	16.18	2.346	2.58	7.81	-121.9	42.8
1005	16.19	2.338	2.22	7.80	-121.9	24.2
1010	16.21	2.334	2.12	7.80	-122.0	27.3

Purged 4 gallons.

1015 Collected TP-02-101415

1020 Collected TP-02-F-101415

1100 ~~Debrief~~ SE L. Estrada offsite for bathroom, food and water.

1135 Mob to TP-03.

Liz Es 10/14/15

Location Buffalo, NY Date 10/14/15

Project / Client BLCP/NYSDEC

TP-03

1155 DTW TIC: 4.21 ft

DTB TIC: WLM was not pudging bot 1 oft

1215 Began purging TP-03.

~~TIME TEMP°C pH ORP SPC~~ 1E

TIME	TEMP°C	SPC 3%	DO 10%	pH 0.1	ORP 10	TURB 10%
1220	15.59	0.466	5.44	9.34	18.0	187.1
1225	15.70	0.432	2.52	9.61	-19.5	30.9
1230	15.62	0.411	1.84	9.58	-45.5	11.8
1235	15.59	0.405	1.56	9.58	-62.8	6.3
1240	15.58	0.403	1.36	9.58	-76.7	5.2
1245	15.58	0.402	1.18	9.63	-88.0	3.9
1250	15.57	0.400	1.04	9.62	-99.0	3.6
1255	15.53	0.399	0.98	9.62	-103.5	3.6

Purged 4 gallons.

1300 Collected TP-03-101415.

1312 Collected TP-03-F-101415

1417 Mob to TP-04.

DTW TIC: 6.20 ft DTB TIC - 15.00

1429 Began purging TP-04.

TIME	TEMP	SPC	DO	pH	ORP	TURB
1435	15.66	0.611	3.88	8.35	-3.5	69.4
1440	15.64	0.614	2.39	8.15	-52.1	17.7
1445	15.54	0.608	2.16	8.09	-67.0	15.6

Jim Eaton 10/14/15

Location Buffalo, NY Date 10/14/15

Project / Client BLCP/NYSDEC

TP-04 cont.-

TIME	TEMP	SPC	DO	pH	ORP	TURB
1450	15.35	0.592	1.92	8.11	-80.4	15.2
1455	15.26	0.575	1.76	8.11	-91.4	11.0
1500	15.12	0.561	1.66	8.18	-94.6	11.3

1505 Collected Sample TP-04-101415.

1515 Collected TP-04-F-101415.

1520 Packing up and labeling.

Sample prep.

1559 TA came and took samples.

1556 Took FB-101415

Field Blank.

1610 E. Muddy offsite. L. Estrada offsite to FedEx Alloway Samp.

Jim Eaton 10/14/15

78

Location Buffalo, NY Date 10/15/15

Project / Client BLCP / NYSDEC

TP-05

700 L. Estrada onsite.
730 E. Moody onsite.
830 Finally found TP-05 - mob to TP-05
Helped E Moody get set up on catch basins.
DTW TIC: 8.25 ft DTB TIC: 15 ft
907 Began purging TP-05. E Moody offsite to get PVC to keep catch basin tubing in place.

TIME	TEMP (10%)	SPC (3%)	DO (±10%)	pH (±0.1)	ORP	TURB
910	15.55	0.642	5.74	7.96	-18.1	153.1
915	15.27	0.651	3.74	8.02	-127.3	15.6
920	15.28	0.647	3.45	8.02	-141.5	9.2
925	15.33	0.640	3.12	8.06	-144.8	1.2
930	15.43	0.639	2.86	7.95	-147.2	0.8
935	15.55	0.641	2.66	7.92	-141.1	0.9

Purged 3 gallons.
940 Collected TP-05-101515
945 Collected TP-DUP-01-101515 (unfiltered).
952 Collected TP-05-F-101515
1046 Mob to TP-06.
DTW TIC: 6.89 ft DTB TIC: 14.80 ft
1134 Began purging TP-06. Very clear.

Jii Estrada 10/15/15

79

Location Buffalo, NY Date 10/15/15

Project / Client BLCP / NYSDEC

TIME	TEMP	SPC	DO	pH	ORP	TURB
1135	17.50	0.960	6.44	9.10	32.3	13.9
1140	17.05	0.957	3.43	9.29	33.3	8.5
1145	16.95	0.960	2.41	9.30	36.4	16.0
1150	16.93	0.968	2.37	9.32	38.3	7.2
1155	16.92	0.975	2.28	9.32	37.4	8.9 (SE)

Purged ~3 gal.
1200 Collected TP-06-101515
1210 Collected TP-06-F-101515
1324 Labeling and organizing.
1400 Mob to TP-14.
1407 Began purging TP-14

TIME	TEMP	SPC	DO	pH	ORP	TURB
1410	14.74	1.115	8.73	11.49	-7.7	62.3
1415	14.32	1.212	2.92	11.64	-29.1	96.0
1420	14.11	1.278	2.66	11.49	-42.8	69.6
1425	14.07	1.246	1.76	11.51	-59.1	53.7
1430	14.01	1.277	1.51	11.55	-72.5	51.9
1435	13.98	1.275	1.41	11.61	-83.3	54.1 (SE + MS/MSD)

1445 Collected TP-14-101515, TP-MS-01-101515, and TP-MSD-01-101515

Jii Estrada 10/15/15

Location Buffalo, NY Date 10/16/15

Project / Client BLCP/NYSDEC

7:15 L. Estrada onsite to label drums, organize and pre-label. Checked with hotel, package was not arrived yet.

11:15 SJB onsite to bring two drums. Put both in SW corner of Lot 9. 4 others are in the East gate of Lot 9.

1120 Package arrived EI Moody is bringing it to the site.

1204 Mob to ~~CB~~ SE CB-27.

DTW top of grate: 5.47 ft.

1220 Collected CB-27-101615

1223 Collected CB-27-F-101615

Temp: 15.40°C

SPC: 1.883 mS/cm

DO: 12.13 DO mg/L

pH: 12.03 pH

ORP: -7.2 ORP mV

TURB 11.3 NTU

1305 Mob to CB-28

DTW - top of grate = 6.28 ft.

1323 Collected CB-28-101615

1326 Collected CB-28-F-101615

Sri Eva 10/16/15

Location Buffalo, NY Date 10/19/15

Project / Client BLCP / NYSDEC

1130 L. Estrada and E. Mundy onsite.
1145 L. Estrada mob to TP-11.
DTW TIC: 5.44 DTB: 14.68
1234 Began purging TP-11.

TIME	TEMP	SPC	DO	pH	ORP	TURB
1237	15.09	1.597	4.65	10.17	-58.9	1021.4
1242	15.15	1.752	1.24	10.68	-141.4	453.8
1247	15.07	1.781	0.79	10.85	-183.7	132.1
1252	15.05	1.787	0.76	10.95	-192.4	62.1
1257	15.07	1.786	0.73	11.02	-192.6	34.1
1302	15.04	1.780	0.56	11.05	-189.0	7.2
1307	15.14	1.765	0.56	11.07	-186.8	2.6
1312	15.12	1.763	0.56	11.09	-190.4	1.8
1317	15.30	1.765	0.92	11.09	-193.3	0.7
1322	15.30	1.765	0.90	11.09	-192.5	0.6

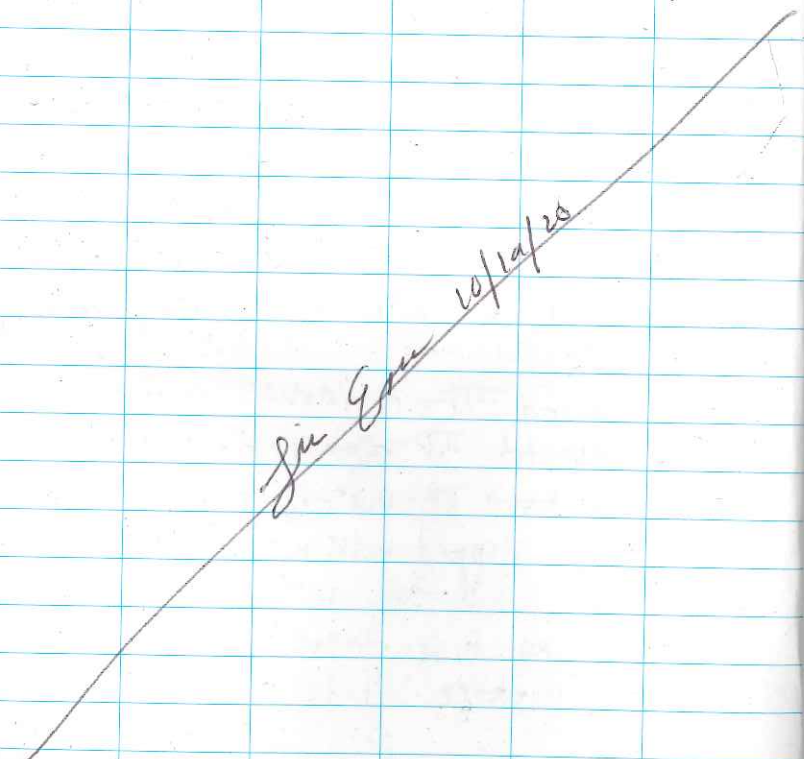
1325 Collected TP-11-101915
1335 Collected TP-~~DUP~~11-F-101915
Collected TP-DUP-02-101915 (filtered)
1358 Pump stopped working. Called Pine. Said fuse is probably blown. No fuses were provided. Will get more later.

JE 10/19/15

Location Buffalo, NY Date 10/19/15

Project / Client BLCP/NYSDEC

1430	Lost the keys to my rental van....
1500	Found them. Packing up and labeling.
1600	Collected FB-101915.
1630	TA took samples.
1645	L. Estrada offsite to FedEx.



Location Buffalo, NY Date 10/20/15

Project / Client BLCP/NYSDEC

MW-405.

620 L. Estrada onsite.

726 Mob to MW-405.

DTW TIC: 6.92 ft DTB TIC: 26.79 ft

Stick up:

758 Began purging MW-405.

TIME	TEMP	SPC	DO	pH	ORP	TURB
800	13.74	2.659	20.74	11.04	-33.9	7.0
805	13.18	2.718	*47.12	11.45	-100.8	6.5
810	12.84	2.871	8.38	11.68	-157.9	9.4
815	12.49	3.127	15.52	11.88	-201.2	9.0
820	12.37	3.270	20.00	11.94	-219.8	4.0
825	12.35	3.341	15.78	11.97	-230.4	2.8
830	12.39	3.382	15.98	11.99	-238.1	2.3
835	12.39	3.390	16.17	12.02	-241.4	2.3

Purged ~4 gal

840 Collected MW-405-102015.

845 Collected MW-405-F-102015 Water has a yellow brown tint to it. DO readings very high - lots of bubbles present in LDPE tubing.

930 Helped E. Moody calibrate MS YSI. Temp was above 60 °C.

1026 Mob to MW-404

Jen Ebert 10/20/15

Location Buffalo NY Date 10/20/15

Project / Client BLCP / NYSDEC

MW-404

1026 MW-404

DTW TIC - 8.28 ft DTB: 13.26

Stick UP:

1045 ~~SC~~

~~1054~~ Spoke with A. Dickmas. E. Moody's YSI's temp sensor went bad. He will proceed with readings but will get another YSI tomorrow.

1051 Began purging MW-404.

TIME	TEMP	SPC	DO	~~pH~~ ~~ORP~~ ORP	TURB
1055	15.03	1.446	16.67	6.30 101.0	1.0
1100	14.58	1.470	7.83	6.44 44.7	2.6
1105	14.54	1.488	9.45	6.45 -68.5	2.6
1110	14.57	1.490	11.28	6.50 -95.6	2.4
1115	14.68	1.494	13.61	6.53 -105.0	2.0
1120	14.71	1.498	14.39	6.52 -106.1	2.0

Purged ~3 gal

1125 Collected MW-404-102015

1130 Collected MW-404-F-102015

1200 Helped E. Moody Located TP-09.

1230 Packing up and labeling.

1330 Wells ABB-MW-103 and MW-UNK are covered by some very dense brush and weeds. Will attempt to clear tomorrow. Jen Eaton 10/20/15

Location Buffalo, NY Date 10/20/15

Project / Client BLCP - NYSDEC

TP-08

1340 Mob to TP-08.

DTW TIC: 5.68 ft DTB: 15.0 ft

1349 Began purging TP-08.

TIME	TEMP	SPC	DO	pH	ORP	TURB
1355	16.37	1.714	15.89	10.36	-167.6	71.1
1400	16.08	1.742	20.04	10.45	-225.7	27.9
1405	15.91	1.743	27.13	10.44	-239.5	15.2
1410	15.86	1.741	30.75	10.47	-244.5	10.3
1415	15.82	1.740	29.81	10.47	-247.5	6.1
1420	15.78	1.740	28.23	10.49	-251.6	4.6
1425	15.80	1.742	31.34	10.52	-254.4	3.2
1430	15.85	1.744	31.31	10.52	-255.6	1.7
1435	15.94	1.748	31.88	10.54	-256.5	1.6

DO seems impossibly high. Calibrated YSI this morning. Will re-prep DO probe tomorrow.

1440 Collected TP-08-102015

1450 Collected TP-08-F-102015

1500 Collected TP-MS-02-102015 and TP-MSD-02-102015 (filtered)

1600 Collected FB-102015.

1620 TA onsite to ~~collected~~ take samples

1640 C. Estrada offsite to FedEx.

Jen Eaton 10/20/15

Location _____ Date _____

Project / Client _____

0952 Mob to CB-11.
DTW TOC: 3.94
1010 Collected CB-11-102115
1013 Collected CB-11-F-102115
1020 Collected CB-MS-01-102115 and CB-MSD-01-102115 (Filtered)
1023
Temp: 16.36 °C
SPC: 0.217 ms/cm
DO: 6.24 mg/L
pH: 6.84 SU
ORP: 58.9 mV
TURB: 6.2 NTU
1117 Mob to CB-10.
DTW TOC: 3.03 ft
1130 Collected CB-10-102115
1133 Collected CB-10-F-102115.
1146 Temp: 16.17 °C
SPC: 2.718 ms/cm
DO: 7.22 mg/L
pH: 10.92 SU
ORP: -85.1 mV
TURB: 1.0 NTU

Jen Estes 10/21/15

Location _____ Date _____

Project / Client _____

1343 CB-24
→ Temp: 17.05°C
SPC 2.532 ms/cm
DO: 6.15 mg/L
pH: 11.32 SU
ORP: -156.1 mV
TURB: 1.0 NTU.
1400 Mob to ~~FB~~ CB-23.
DTW TOC: 2.68 ft
water is a yellow brown color. Not very turbid
1410 Collected CB-23-102115
1413 Collected CB-23-~~F~~-102115
Collected ~~DUP~~ CB-DUP-02-102115
Temp: 17.79°C
SPC: 2.382 ms/cm
DO: 0.25 mg/L
pH: 10.24 SU
ORP: -93.7 mV
TURB: 20.5 NTU.
1427 Mob to CB-08
1435 Collected CB-08-102115
1438 Collected CB-08-F-102115

Jin Eze 10/21/15

Location Buffalo, NY Date 10/21/15

Project / Client BLCP/ NYSDEC

1446	CB-08
	Temp: 17.29°C
	SPC: 2.169 ms/cm
	DO: 2.85 mg/L
	PH: 8.25 SU
	ORP: -37.6 mV
	TURB: 7.6 NTU.
1500	Labeling and packing coolers.
1550	Collected ~~FB~~ FB-102115.
1620	TA onsite to pick up samples.
1640	L. Estrada and E. Moody offsite.

Jr Eps 10/21/15

Location Buffalo, NY Date 10/22/15

Project / Client BLCP/ NYSDEC

630	L. Estrada onsite to prepare bottles and labels.
	WEATHER: 63°F 58% humd.
	20 mph wind SW.
746	Mob to CB-07.
	DTW TOC: 3.35 ft
800	Collected CB-07-102215
805	Collected CB-07-F-102215.
	Temp: 15.47°C
	SPC: 0.773 mS/cm
	DO: 7.25 mg/L
	pH: 7.19
	ORP: 50.4 mV
	TURB: 11.3 NTU.
836	Could not located grates for CB-09 and CB-30. Called K. Reepmeyer to discuss.
	CB-30 is a manhole halfway down.
	CB-09 is also a manhole.
900	Finished Trimming around snake pit. Cut lock off. No indication of which well it is. More northern well has been abandoned. It was filled with concrete. picture taken.

Jr Eps

Location _____ Date 10/22/15

Project / Client _____

1920 Mob to CB-09. (manhole) SW DTW top of manhole 5.25

930 Collected CB-09-102215

933 Collected CB-09-F-102215

Temp: 15.41°C

SPC: 2.336 mS/cm

DO: 7.13 mg/L

pH: 10.94 SU

ORP: -91.9 mV

TURB - 0.2 NTU

• MANHOLE ON THE CURB.

1013 Mob CB-30. (manhole).

DTW TOP OF MANHOLE: 5.08 ft

1025 Collected CB-30-102215

1028 Collected CB-30-F-102215

Temp: 15.06 °C

SPC: 2.332 mS/cm

DO: 9.60 mg/L

pH: 11.23 SU

ORP: -119.1 mV

TURB: 0.1 NTU.

Note: In both CB-09 and CB-30 a white powdery substance was left on the tubing after it was removed from the well. Photo taken. Also, some ~~orange~~ JE orangy-white scum was left in the WLM after sampling CB-30. Jo Ea

Location _____ Date 10/22/15

Project / Client _____

Note: cont... Photo was taken.

1043 Mob to CB-16.

~~Ea~~ Film of white scum/powder substance on the top of the water in CB-16. Photo taken.

DTW TOC: 3.50 ft.

1055 Collected CB-16-102215

1058 Collected CB-16-F-102215

Temp: 14.81°C

SPC: 0.662 mS/cm

DO: 10.25 mg/L

pH: 10.15 SU

ORP: -52.2

TURB: 0.7 NTU

1130 Q L. Estrada offsite to bathroom and get more garbage bags.

1145 L. Estrada back onsite.

1200 Mob to MW-UNK. From the google Earth map the more northern well is labeled as ABB-MW-103 which is the well that has been abandoned. MW-UNK, is 2" in diameter.

DTW TIC: 7.57 ft DTB: 13.17 ft.

STICK UP: ~1.07 ft ags.

Jo Ea

96

Location Buffalo, NY Date 10/22/15

Project / Client

1221 Began purging MW-UNK.

TIME	TEMP	SPC	DO	pH	ORP	TURB
1225	15.81	1.452	8.28	8.25	31.7	5.0
1230	15.65	1.399	4.42	8.21	1.9	2.0
1235	15.65	1.362	2.23	8.24	-13.7	2.8
1240	15.67	1.358	1.77	8.22	-25.4	3.0
1245	15.68	1.346	1.65	8.23	-35.3	2.9
1250	15.67	1.345	1.57	8.23	-44.5	2.9

Purged ~ 3 gallons.

1300 Collected MW-UNK-102215.
1305 Collected MW-UNK-F-102215
1330 Labeling and packing coolers.
1500 Collect FB-102215.
1541 TA onsite to pick up samples.
1630 Put a new lock on SW gates because there was none when arrived onsite 10/12/15.
~~1645~~ Locked up both gates. L. Estrada offsite
1710 to FedEx samples to Alloway.

JE

JE 10/22/15

Location _____ Date _____

Project / Client _____

11:47	7381Q
	7.5' recovery
	0-0.5 peat like
	0.5-1.5 sandy clay, gray
	1.5-7.5 stiff gray clay
	AMB PID 5.7 PID 5.9

Location Buffalo, NY Date 10/14/15

Project / Client BLCP/ NYSDEC

721 2 Estimator and E. Moody onsite
58°F, Cloudy, Wind W 12 MPH

745 MOB to TP-14
Stick Up: 10 3/4"
DTW TIC (ft): 7.54
DTB TIC (ft): 19.45

825 Began Purging TP-14

Time	Temp (C)	Spec Cond.	DO	pH	Redox Potential	Turb
830	12.42	0.618	0.59	10.61	-115.1	1380.5
835	12.35	0.610	0.39	10.12	-130.9	1389.8
840	12.38	0.598	0.39	9.82	-137.1	1390.1
850 ~~845~~	12.60	0.656	0.89	11.31	-170.5	524.8
855 ~~850~~	12.82	0.921	0.74	11.83	-186.3	461.9
900	12.56	0.570	0.43	11.27	-196.6	850.1
905	12.71	0.792	0.31	11.69	-212.7	736.4
910	12.74	0.751	0.24	11.78	-216.0	686.1
915	12.65	0.607	0.20	11.53	-214.7	867.9
920	12.66	0.634	0.18	11.55	-211.6	874.3

Location Buffalo, NY Date 10/14/15

Project / Client BLCP/ ~~NFG~~ NYSDEC

1035	Mob to TP-15
	Stick Up!
	DTW (TIC) (ft): 5.71
	DTB TIC (ft): 19.95
12:45 ~~50~~	Began Purging TP-15

Time	Temp(c)	Spec Cond.	DO	pH	Redox Potential	Turbidity
12~~50~~	13.30	0.718	3.15	7.48	22.3	758.9
1255	13.56	0.683	0.98	9.79	-26.6	510.3
1300	13.75	0.852	0.68	10.49	-122.7	258.1
1305	13.95	0.740	0.20	11.37	-199.8	140.6
1310	14.02	0.815	0.13	11.62	-215.6	138.5
1315	14.20	0.931	0.19	11.78	-226.0	150.3
1320	14.24	1.075	0.18	11.93	-236.5	111.9
1325	14.28	1.150	0.17	11.99	-241.8	85.6
1330	14.27	1.271	0.12	12.08	-254.4	55.6
1335	14.28	1.353	0.10	12.13	-259.4	34.8
1340	14.23	1.439	0.10	12.18	-267.8	24.2
1345	14.25	1.478	0.09	12.20	-274.3	18.0
1350	14.29	1.512	0.09	12.21	-268.8	12.6
1355	14.29	1.528	0.08	12.23	-280.0	11.5

Location Buffalo NY Date 10/15/15

Project / Client BLCP/NYSDEC

724	E. Moody and L. Estrada on site
820	Mob to CB-08
	CB-08 is dry, no water to sample
826	Mob to CB-~~26~~ 12
	DTW TIC (ft): 3.80

Time	Temp(c)	Spec Cond.	~~DO~~	pH	Redox Potential	Turbidity	DO

~~Collected CB-26-101515~~

Abandoned Sampling at CB-26

- Water level too low for pump/tubing

1527	Started Purging TP-13

Location Buffalo, NY Date 10/15/15

Project / Client BLCP / NYSDEC

Time	(C) Temp	Spec Cond	DO	pH	Redox Potential	Turb
1520	15.15	0.792	4.41	8.49	29.5	203.5
1525	15.72	0.784	5.17	8.39	44.1	195.0
1530	16.16	0.793	6.35	8.39	57.9	180.1
1535	16.30	0.797	7.01	8.40	64.6	174.7
1540	16.39	0.799	7.40	8.42	70.0	169.7

1540 ~~Took Samples~~ WATER WAS NOT PUMPING, FLOW CELL WAS EMPTYING Checked water level – 2 ft of drawdown. Need longer tubing, which we do not have will try again tomorrow.

10/15/15

Location Buffalo, NY Date 10/16/16

Project / Client BLCP / NYSDEC

1130 E. Moody on site

~~Mob to CB-12~~

1200 Mob to CB-12

DTW TIC (ft): 3.80

Time	(C) Temp	Spec Cond	DO	pH	Redox Potential	Turb
1245	17.2	0.246	3.50	7.89	-11.0	40.6

1240 Took Samples CB-12-101615

CB-12-F-101615

CB-12-DUP-101615

1300 Mob to CB-26

DTW TIC (ft): 6.17

1320 Began Sampling CB-26

Time	Temp (C)	Spec Cond	DO	pH	Redox Potential	Turbidity
1350	16.30	2.266	2.37	12.22	-177.9	7.2

1347 Collected Samples CB-26-101615

CB-26-F-101615

1500 E Moody offsite

10/16/15

Location Buffalo, NY Date 10/19/15

Project / Client ~~BCP~~ BCP, NYSDEC

1100 E. Moody on site

1207 Mob to TP-~~X~~13, began purging

DTW TIC (ft): 7.12

Time	(C) Temp	Spec Cond	DO	pH	Redox Potential	Turb. (NTU)
1215	14.90	0.762	2.90	9.77	42.5	27.5
1220	15.46	0.769	2.09	9.31	39.6	21.8
1225	15.58	0.771	1.68	9.13	44.3	17.2
1230	15.80	0.776	1.23	9.10	47.2	16.6
1235	15.86	0.780	0.87	9.07	50.7	17.1
1240	16.06	0.788	0.73	9.04	55.3	17.4

~~1255~~ 1255 Collected Samples TP-13-101915

1305 Collected Samples TP-13-F-101915

~~1430~~ ~~1440~~

~~1455~~ Mob to TP-15

DTW TIC (ft): 5.83

1440 began Purging TP-15

Location Buffalo, NY Date 10/19/15

Project / Client ~~BCP~~ BCP, NYSDEC

Time	(C) Temp	Spec Cond	DO	pH	Redox ~~Potential~~	Turb.
1445	15.73	0.866	4.74	11.13	-134.0	19.3
1450	14.45	0.672	0.81	10.92	-165.9	22.2
1455	14.37	0.681	0.53	11.09	-203.6	12.9
1500	14.31	0.820	0.36	11.49	-226.8	7.6
1505	14.34	0.914	0.22	11.75	-256.9	~~6.8~~ 6.8
1510	14.49	1.108	0.15	11.85	-267.0	6.5
1515	14.42	1.250	0.13	11.915	-276.5	4.6
1520	14.41	1.350	0.08	12.02	-283.6	3.5
1525	14.52	1.442	0.07	12.07	-275.6	2.6
1530	14.53	1.506	0.06	12.10	-283.4	2.3
1535	14.55	1.543	0.03	12.13	-266.0	2.0
1540	14.55	1.570	~~0.02~~ 0.02	12.13	-258.0	1.8

1545 Collected Samples TP-15-101915

1550 Collected Samples TP-15-F-101915

~~1600~~ 1630 E. Moody left site

10/19/15

Location Buffalo, NY Date 102015

Project / Client BLCP/NYSDEC

730 E. Moody on site

805 Mob to TP-10

DTW TIC (ft): 10.78

825

830 Began Purging TP-10

Time	(c) Temp	Spec Cond	DO	pH	Redox Potential	Turb.
830	14.06	4.525	0.05	12.18	-185.0	243.1
835	13.46	5.324	0.05	12.55	~~-299.~~ -292.2	76.1
840	13.36	5.343	0.04	12.58	-309.5	29.1
845	13.31	5.365	0.04	12.59	-325.3	26.2
850	13.32	5.357	0.05	12.59	-334.8	27.2
855	13.29	5.330	0.05	12.59	-343.2	19.5
900	13.24	5.313	0.06	12.59	-348.1	17.4
905						

920 Collected Samples TP-10-102015

930 Collected Samples TP-10-~~DUP~~F-102015

Location Buffalo, NY Date 102015

Project / Client BLCP/NYSDEC

*Note, YSI Temp/Conductivity readings became inaccurate during time of sampling (~920), temps around 55-65 °C. Lia called Amy P., who stated to proceed with sampling, but to note anomaly. Pine Environmental to send working unit to Buffalo for tomorrow morning.

1030 - Attempted Sensor Calibration, all parameters Temperature/Conductivity not corrected

1300 Mob to TP-9

DTW TIC (Ft): 5.61

TTB TIC (Ft) 14.75

1310 Began Purging TP-9

* Time	(c) Temp	Spec* Cond	DO	pH	Redox Potential	Turbidity**
1310	64.00	6.351	2.18	10.33	-170.0	18.0
1315	64.55	6.466	0.37	10.46	-240.4	1.4
1320	64.45	6.425	0.31	10.48	-243.2	1.5
1325	64.20	6.367	0.27	10.49	-254.2	0.4
1330	63.61	6.313	0.27	10.50	-256.6	-0.3
1335	64.47	6.286	0.26	10.49	-257.8	-0.3
1340	64.46	6.250	0.27	10.51	-268.5	-1.4

Location Buffalo, NY Date 10/20/15

Project / Client BLCP / NYSDEC

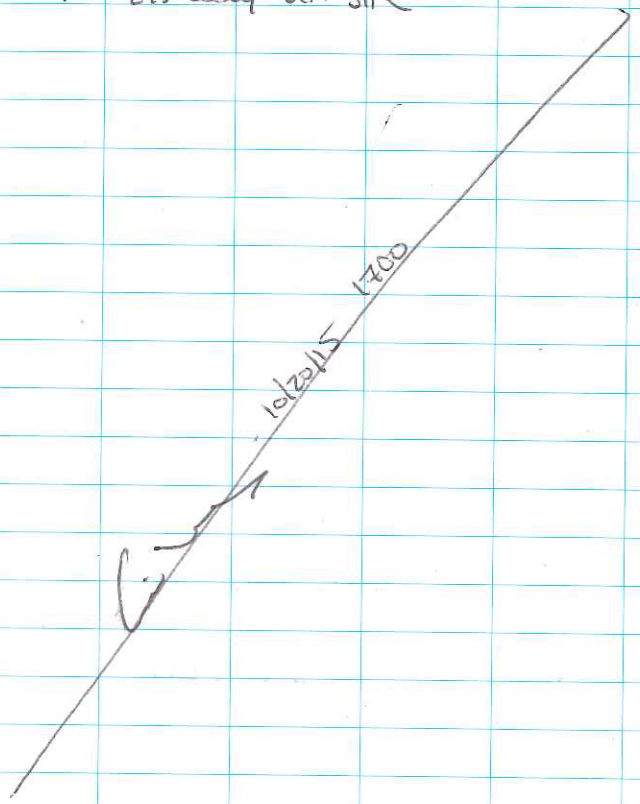
* According to TA, temp/conductivity sensor faulty, inaccurate readings.

** Turbidity must not have been properly calibrated, testwater was turbid.

1346 Collected Samples TP-9-102015

1353 Collected Samples TP-F-102015

~~1553~~ 1700 E. Moxley left site



Location Buffalo, NY Date 10/21/15

Project / Client BLCP/NYSDEC

725 E. Moxley on site

820 Mob to CB-5

DTW TIC (ft): 2.763

DTB TIC (ft): 2.76

~~Time~~

~~0~~855 Collected Sample CB-5-10215

900 Collected Sample CB-5-F-102115

Time	Temp (C)*	Spec Cond	DO	pH	Redox Potent.	Turb
930	5418	0.419	17.58	7.09	183.4	10.2

945 Mob to CB-6

DTW TIC (ft): 3.28

DTB TIC (ft): 4.34

1000 Collected Sample CB-6-102115

1005 Collected Sample CB-6-F-102115

Time	Temp	Spec Cond	DO	pH	Redox Potent.	Turb
1005	5546	0.438	20.01	6.88	100.5	10.4

Location Buffalo, NY Date 10/21/15

Project / Client BCP, NYSDEC

1015 Mob to CB-20
DTW TIC (ft): 3.27
DTB TIC (ft): 4.41

Time	Temp	Spec Cond	DO	pH	Redox Potential	Turbidity
1105	49.90	0.204	8.03	6.74	65.4	27.3

1050 Collected Sample CB-20-102115

1100 Collected Sample CB-20-F-102115

1230 Mob to CB-17: CB-17, swale is dry. No samples
~~DTW TIC (ft):~~
~~DTB TIC (ft):~~

Time	Temp	Spec Cond	DO	pH	Redox Potential	Turbidity

~~Collected Sample CB-17-102115~~

~~Collected Sample CB-17-102115~~

Location Buffalo, NY Date 10/21/15

Project / Client BCP, NYSDEC

~~1240~~ Mob to CB-21
DTW TIC (ft): 3.28
DTB TIC (ft): 4.17

1250 Collected Sample CB-21-102115

1300
~~1355~~ Collected Samples CB-21-MS-02-102115
CB-21-MSD-02-102115
(unfiltered)

1310 Collected Sample CB-21-F-102115

Time	Temp	Spec Cond	DO	pH	Redox Potential	Turbidity
1312	58.60	0.719	35.80	6.45	74.7	19.7

~~1350~~ Mob to CB-18
DTW TIC (ft): 1
DTB TIC (ft): 0.1

1400 Collected Sample CB-18-102115

1410 Collected Sample CB-18-F-102115

Time	Temp	Spec Cond	DO	pH	Redox Potent	Turbid
1417	58.75	5.052	160.88	11.14	-202.9	0.5

Location Buffalo, NY Date 10/21/15

Project / Client BLCP/NYSDEC

1440 Mob to CB-22
DTW TIC (ft): 3.7
DTB TIC (ft): 4.26

1445 Collected Samples CB-22-102115

1450 Collected Samples CB-22-F-102115

Time	Temp	Spec Cond	DO	pH	Redox Potential	Turb
1453	57.91	0.603	107.27	8.01	-21.1	3.2

1700 EMoody left site

10/21/15

Location Buffalo, NY Date 10/22/15

Project / Client BLCP/NYSDEC

720 E. Moody onsite

810 Mob to CB-01
DTW TIC (ft): 9.24
~~DTB TIC (ft):~~

855 Collected Samples CB-01-102215

900 Collected Samples CB-01-F-102215

905 Collected Samples CB-MS-03-102215
CB-MSD-03-102215

Time	Temp	Spec Cond	DO	pH	Redox Potential	Turb
908	49.6	3.472	3.27	10.58	-152.2	28.9

* YSI Recalibrated ~~DO~~ DO at 800.

920 Mob to CB-02
DTW TIC (ft): 10.60
~~DTB TIC (ft):~~

1000 Collected Sample CB-2-102215

Location Buffalo, NY Date 10/22/15

Project / Client BLCP/NYSDEC

1005 Collected Sample CB-02-F-102215

1010 Collected Sample CB-DUP-03-102215

Time	Temp	Spec Cond.	DO	pH	Redox Poten	Turb.
~~1005~~ 1010	46.15	3.467	3.88	10.08	-148.8	4.3

1047 Mob at CB-03

DTW TIC (ft): 9.03

~~DTB TIC (ft)~~:

1050 Collected Sample CB-03-102215

1055 Collected Sample CB-03-F-102215

Time	Temp	Spec Cond	DO	pH	Redox Potent	Turb
1102	48.79	3.514	3.38	10.66	-152.3	9.9

1250 Mob to CB-04

DTW TIC (ft): 7.62

~~DTB TIC (ft)~~:

Location Buffalo, NY Date 10/22/15

Project / Client BLCP/NYSDEC

1242 Collected Samples CB-04-102215

1246 Collected Samples CB-04-F-102215

Time	Temp	Spec Cond	DO	pH	Redox Potential	Turbidity
1247	55.58	3.789	2.90	10.57	-151.7	8.8

1320 Mob to Basin 1

1342 Collected BASIN-1-102215

1347 Collected BASIN-1-F-~~10~~102215

1352 Collected BASIN-MS-04-102215 *

BASIN-MSD-04-102215 *

Time	Temp	Spec Cond	DO	pH	Redox Potent	Turb
1353	65.73	3.864	2.65	10.30	-126.2	~~2.0~~ 2.1

1417 Mob to BASIN 3

1426 Collected BASIN-3-102215

1432 Collected BASIN-3-F-102215

1437 Collected BASIN-DUP-04-102215 *

Location Buffalo, NY Date 10/22/15

Project / Client BZCP/ NYSDEC

Time	Temp	Spec Cond	DO	pH	Redox Potent	Turb
1439	66.42	4.240	2.57	10.43	-154.0	25.1

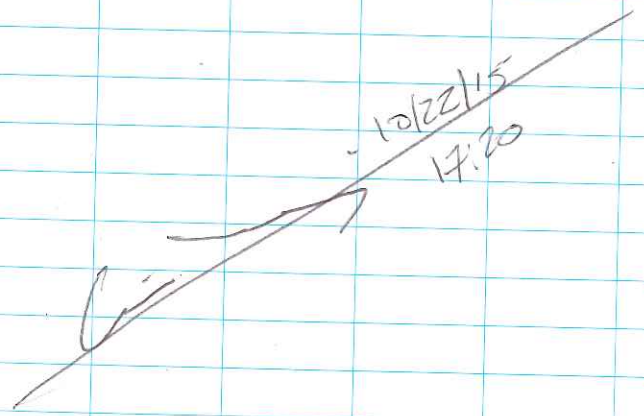
1500 Mob to BASIN 2

1514 Collected Sample BASIN-2-102215

1516 Collected Sample BASIN-2-F-102215

Time	Temp	Spec Cond	DO	pH	Redox Potent	Turb
1517	70.64	4.907	1.87	10.52	-187.1	83.4

1720 E. Moody left site



Appendix E

Photo Log

Buffalo Lakeside Commerce Park, TP-01



TP-1 on top of pile

CDM Smith

Buffalo Lakeside Commerce Park, TP-1



3-6' of fill material changing to ash at 6'

CDM Smith

Buffalo Lakeside Commerce Park, TP-1



Fill to ash at 6 feet

Buffalo Lakeside Commerce Park, TP-1



TP-1 location looking North

Buffalo Lakeside Commerce Park, TP-1



Location of TP-1

Buffalo Lakeside Commerce Park, TP-2



TP-2; Top of dirt road from parking area

Buffalo Lakeside Commerce Park, TP-2



TP-2; Concrete debris & black fly ash

Buffalo Lakeside Commerce Park, TP-2



TP-2; Black fly ash and some concrete

Buffalo Lakeside Commerce Park, TP-2



TP-2; Black fly ash to 8' with concrete mixed in

CDM Smith

Buffalo Lakeside Commerce Park, TP-2



TP-2; 1' fill material before fly ash

CDM Smith

Buffalo Lakeside Commerce Park, TP-2



TP-2, Fill to fly ash

Buffalo Lakeside Commerce Park, TP-2



TP-2; excavated material, all black

Buffalo Lakeside Commerce Park, TP-3



TP-3; Near NW corner ~100' from pile of concrete

Buffalo Lakeside Commerce Park, TP-3



TP-3; Concrete chunk in top 3'

Buffalo Lakeside Commerce Park, TP-3



TP-3, Top 3' fill material with concrete

Buffalo Lakeside Commerce Park, TP-3



TP-3; Black fly at 3' to ~8' then gray slag

Buffalo Lakeside Commerce Park, Riprap Ridge



9/17/2014, Flow over rocks in basin, looking North

CDM Smith

Buffalo Lakeside Commerce Park, TP-3



TP-3

CDM Smith

Buffalo Lakeside Commerce Park, TP-3



TP-3; Gray Slag at ~ 8-9'

Buffalo Lakeside Commerce Park, TP-4



TP-4; West from TP-3 toward NYS Route 5

Buffalo Lakeside Commerce Park, TP-4



TP-4 location looking south

CDM Smith

Buffalo Lakeside Commerce Park, TP-4



TP-4; 0-3' fly ash fill mixed with petroleum odor

CDM Smith

Buffalo Lakeside Commerce Park, TP-4



TP-4; Concrete top 3'

Buffalo Lakeside Commerce Park, TP-4



TP-4; Black Fly ash – hard digging to 6'

Buffalo Lakeside Commerce Park, TP-5



TP-5; NW corner of Lot 9

Buffalo Lakeside Commerce Park, TP-5



TP-5, Looking North

Buffalo Lakeside Commerce Park, TP-5



TP-5; Slag material from 5 to 6'

Buffalo Lakeside Commerce Park, TP-5



TP-5; Bottom w/slag; petroleum odor

Buffalo Lakeside Commerce Park, TP-5



TP-5; Slag at bottom – very hard layer

CDM Smith

Buffalo Lakeside Commerce Park, TP-5



TP-5; Brown-black fly ash mix to ~5'

CDM Smith

Buffalo Lakeside Commerce Park, TP-6



TP-6 - ~70E of TP-5; 0-3' brown/black fly ash

Buffalo Lakeside Commerce Park, Union Ship Canal



TP-6; ~2.5-3' slag material

Buffalo Lakeside Commerce Park, TP-6



TP-6; Gray slag from Excavation

Buffalo Lakeside Commerce Park, TP-6



TP-6; ~6' gray to black slag but still hard

Buffalo Lakeside Commerce Park, TP-7



TP-7; East side of large hill ~60E of from TP-3

Buffalo Lakeside Commerce Park, TP-7



TP-7; Brownish-black ash with wood timbers

Buffalo Lakeside Commerce Park, TP-7



TP-7; Hard digging to ~5' then broke through

Buffalo Lakeside Commerce Park, TP-7



TP-7; Black soft Fly ash ~ 5-8' then slag

Buffalo Lakeside Commerce Park, TP-8



TP-8; 75'N of South property line in side of slope

Buffalo Lakeside Commerce Park, Diagram



TP-8; Side slope of fly ash

Buffalo Lakeside Commerce Park, TP-8



TP-8; More compact fly ash 0-3'

Buffalo Lakeside Commerce Park, Catch Basin 1



TP-8; Gray slag/brown and gray ash

Buffalo Lakeside Commerce Park, TP-1



TP-8; Wood timber at slag/ash interface ~5'

Buffalo Lakeside Commerce Park, TP-8



TP-8; Blue/gray clay below slag ~6'

Buffalo Lakeside Commerce Park, TP-8



TP-8; Silty/sandy clay with some gravel

CDM Smith

Buffalo Lakeside Commerce Park, TP-8



TP-8; Chunk of material showing layers

CDM Smith

Buffalo Lakeside Commerce Park, TP-8



TP-8 looking south from top of ash pile

Buffalo Lakeside Commerce Park, TP-9



TP-9; ~55' north of TP-8

Buffalo Lakeside Commerce Park, TP-9



TP-9; 0-3' Black ash with wood timber

CDM Smith

Buffalo Lakeside Commerce Park, TP-9



TP-9; More compact ash – hard digging

CDM Smith

Buffalo Lakeside Commerce Park, TP-9



TP-9; Broke through hard layer around 4'

Buffalo Lakeside Commerce Park, TP-9



TP-9; Softer black ash around 5'-8' then slag ~11'

Buffalo Lakeside Commerce Park, TP-10



TP-10; Close to center of site near SB-20

Buffalo Lakeside Commerce Park, TP-10



TP-10 into small fill pile/debris

Buffalo Lakeside Commerce Park, TP-10



TP-10; 0-3' Rock/fill material

Buffalo Lakeside Commerce Park, TP-10



TP-10; Black fly ash 3-6' compact

Buffalo Lakeside Commerce Park, Lot 9



C&D Debris Near TP-11 and SB-18; shingles

CDM Smith

Buffalo Lakeside Commerce Park, Lot 9



C&D Debris – roof shingles near TP-11

CDM Smith

Buffalo Lakeside Commerce Park, TP-11



TP-11 – Slag at ~6-7'

Buffalo Lakeside Commerce Park, TP-11



TP-11; Black dense fly ash

Buffalo Lakeside Commerce Park, TP-11



TP-11; Material

Buffalo Lakeside Commerce Park, TP-11



TP-11; Location

Buffalo Lakeside Commerce Park, Lot 9



Concrete C&D debris at grade

Buffalo Lakeside Commerce Park, TP-12



TP-12; C&D pile in Northeast corner

Buffalo Lakeside Commerce Park, TP-12



TP-12; C&D pile ~ 7' high

CDM Smith

Buffalo Lakeside Commerce Park, TP-12



TP-12; Pipe material and brick

CDM Smith

Buffalo Lakeside Commerce Park, TP-12



TP-12; Pipe, brick and concrete

CDM Smith

Buffalo Lakeside Commerce Park, TP-12



TP-12; Conduit, pipe, brick C&D

CDM Smith

Buffalo Lakeside Commerce Park, TP-12



TP-12; Large concrete with rebar

CDM Smith

Buffalo Lakeside Commerce Park, TP-12



TP-12; C&D with fly ash mixed in

CDM Smith

Buffalo Lakeside Commerce Park, TP-12



TP-12; Slag layer reached ~4' below grade

CDM Smith

Buffalo Lakeside Commerce Park, TP-12



TP-12

CDM Smith

Buffalo Lakeside Commerce Park, TP-13



TP-13 at South PL to slope of ash ~70' long

CDM Smith

Buffalo Lakeside Commerce Park, TP-13



TP-13; 3"minus stone from 0-1.5'

CDM Smith

Buffalo Lakeside Commerce Park, TP-13



TP-13; 3"minus then gray crushed stone then clay

CDM Smith

Buffalo Lakeside Commerce Park, TP-13



TP-13; Sidewall

CDM Smith

Buffalo Lakeside Commerce Park, TP-13



TP-13; Running north towards fly ash

CDM Smith

Buffalo Lakeside Commerce Park, TP-13



TP-13; Black fly ash top layer gets thicker towards pile

CDM Smith

Buffalo Lakeside Commerce Park, TP-13



TP-13; 3" minus ends about 70' from PL then black/brown ash 1.5'

Buffalo Lakeside Commerce Park, TP-14



TP-14; Hazardous area within fence

Buffalo Lakeside Commerce Park, TP-14



TP-14; Brown fly ash – 0-2'; dense

Buffalo Lakeside Commerce Park, TP-15



TP-15; 75' from East PL 0-1' black fly ash

Buffalo Lakeside Commerce Park, TP-15



TP-15; 1-3.5' C&D material

CDM Smith

Buffalo Lakeside Commerce Park, TP-15



TP-15; C&D to ~4 feet then gray hard slag

CDM Smith

Buffalo Lakeside Commerce Park, TP-15



TP-15; Extend towards hazardous area extent of C&D

Buffalo Lakeside Commerce Park, TP-15



TP-15; C&D Stops near gate to hazardous area

Buffalo Lakeside Commerce Park, TP-16



TP-16; 25' from East PL

Buffalo Lakeside Commerce Park, TP-16



TP-16; C&D material to 6'

Buffalo Lakeside Commerce Park, TP-16



TP-16; C&D brick, pipe material

CDM Smith

Buffalo Lakeside Commerce Park, TP-16



TP-16; Fiberglass material

CDM Smith

Buffalo Lakeside Commerce Park, TP-16



TP-16; Fiberglass removed from TP

Buffalo Lakeside Commerce Park, TP-16



TP-16; C&D material to 6' then slag layer

Buffalo Lakeside Commerce Park, TP-17



TP-17; Start near PL then move west

Buffalo Lakeside Commerce Park, TP-17



TP-17; Looking East

Buffalo Lakeside Commerce Park, TP-17



TP-17; Limit of C&D meets black ash

Buffalo Lakeside Commerce Park, TP-18



TP-18; Near NE corner ~ 60' from North PL

Buffalo Lakeside Commerce Park, TP-18



TP-18; Looking North; ash 0-1'

Buffalo Lakeside Commerce Park, TP-18



TP-18; C&D to ~5' then slag layer

Buffalo Lakeside Commerce Park, SB-29



7/7/2014, 3' bgs, Example of purple material

Buffalo Lakeside Commerce Park, SB-30



7/7/2014, 2' bgs, Orange concrete/brick dust

Buffalo Lakeside Commerce Park, SB-33



7/7/2014, 6-7' bgs, Porous gray slag

CDM Smith

Buffalo Lakeside Commerce Park, SB-38



7/8/2014, 0-1' bgs, Blue concrete and slag chunks

CDM Smith

Buffalo Lakeside Commerce Park, SB-41



7/8/2014, 1-2' bgs, Example of blue color on rock surface

Buffalo Lakeside Commerce Park, Parcel 4 Site



7/8/2014, Surface debris

Buffalo Lakeside Commerce Park, TP-10



7/14/2014, Example of groundwater color

Buffalo Lakeside Commerce Park, TP-11



8/26/2014, Brown-orange groundwater sample color

Buffalo Lakeside Commerce Park, TP-11



8/26/2014, Example of groundwater color in sampling bottle

Buffalo Lakeside Commerce Park, Basin Area



August 2014, Blue-green surface color with white bottom sediment, looking Southwest

Buffalo Lakeside Commerce Park, Lagoon Area



August 2014, Example of gray-white pond sediment, possible salt precipitate

Buffalo Lakeside Commerce Park, Temporary Well



August 2014, Brown-green water purged from well

Buffalo Lakeside Commerce Park, Basin Area



August 2014, Two separate basins within the pond

CDM Smith

Buffalo Lakeside Commerce Park, Basin Area



August 2014, Riprap ridge separating different basins of the pond

CDM Smith

Buffalo Lakeside Commerce Park, Basin Area



9/17/2014, Influent pipe to storm water basin, looking Northwest

CDM Smith

Buffalo Lakeside Commerce Park, Basin Area



9/17/2014, Holes in storm water basin sediment in influent area, looking North

CDM Smith

Buffalo Lakeside Commerce Park, Riprap Ridge



9/17/2014, Flow over rocks in basin, looking North

Buffalo Lakeside Commerce Park, Basin Area



9/17/2014, Vegetation dead zone at the edge of the water in basin, looking North

Buffalo Lakeside Commerce Park, West of Concrete Sidewalk



9/17/2014, Storm sewer manhole west of concrete sidewalk on BLCP

Buffalo Lakeside Commerce Park, Basin Area



9/17/2014, Tubing at Basin 1 location for surface water sampling, looking North

Buffalo Lakeside Commerce Park, Basin Area



9/17/2014, Surface water sampling setup with pump and tubing at basin, looking West

CDM Smith

Buffalo Lakeside Commerce Park, TP-08



9/17/2014, Temporary Well 8 location

CDM Smith

Buffalo Lakeside Commerce Park, Union Ship Canal Park



9/18/2014, Sunrise over Union Ship Canal Park

Buffalo Lakeside Commerce Park, Union Ship Canal



9/18/2014, Wildlife in Union Ship Canal, looking East

Buffalo Lakeside Commerce Park, Union Ship Canal



9/18/2014, Exposed liner of north edge of Union Ship Canal

CDM Smith

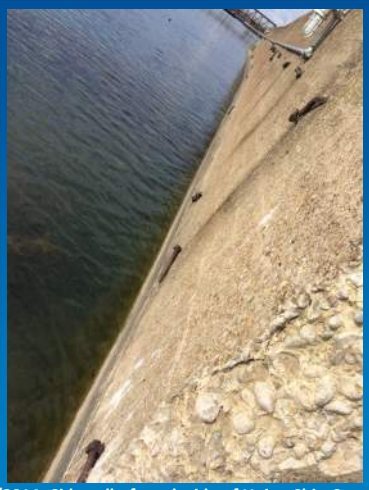
Buffalo Lakeside Commerce Park, Union Ship Canal



9/19/2014, Outfall and walkway at Union Ship Canal, Looking Southeast

CDM Smith

Buffalo Lakeside Commerce Park, Union Ship Canal



9/18/2014, Sidewall of north side of Union Ship Canal

CDM Smith

Buffalo Lakeside Commerce Park, Union Ship Canal



9/18/2014, Outfall into Union Ship Canal, Looking North

CDM Smith

Buffalo Lakeside Commerce Park, Union Ship Canal



9/18/2014, Dead zone at outfall into Union Ship Canal, Looking Southwest

Buffalo Lakeside Commerce Park, Union Ship Canal



9/18/2014, White sediment and dead zone at outfall into Union Ship Canal, Looking Southwest

Buffalo Lakeside Commerce Park, Union Ship Canal



9/18/2014, Living plants along the north edge of Union Ship Canal, Looking East

Buffalo Lakeside Commerce Park, Union Ship Canal



9/18/2014, Extent of white sediment plume at outfall into Union Ship Canal, Looking Southwest

Buffalo Lakeside Commerce Park, Basin 2



9/18/2014, Brown material sediment sample for Basin 2

CDM Smith

Buffalo Lakeside Commerce Park, Basin 2



9/18/2014, Blue water in Basin 2, looking Northwest

CDM Smith

Buffalo Lakeside Commerce Park, Basin Area



9/18/2014, Blue water and white-grey sediment within pond, surrounding vegetation present, looking Southwest

Buffalo Lakeside Commerce Park, Riprap Ridge



9/18/2014, Bubbling of water along riprap ridge

Buffalo Lakeside Commerce Park, Basin Area



9/18/2014, Exit pipe in storm water basin, Looking North

Buffalo Lakeside Commerce Park, TP-08



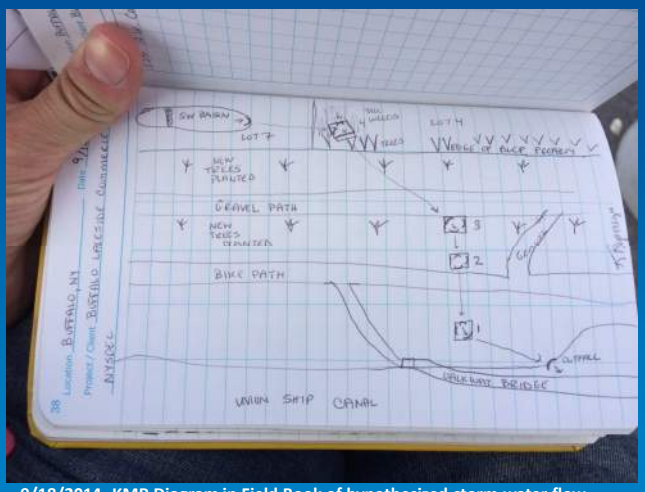
9/18/2014, Groundwater sampling setup at TP-08

Buffalo Lakeside Commerce Park, TP-10



9/18/2014, Groundwater sampling setup at TP-10, turbid GW

Buffalo Lakeside Commerce Park, Diagram



9/18/2014, KMR Diagram in Field Book of hypothesized storm water flow

Buffalo Lakeside Commerce Park, Catch Basin 1



9/19/2014, Exterior of Catch Basin 1, looking South

CDM Smith

Buffalo Lakeside Commerce Park, Catch Basin 1



9/19/2014, Catch Basin 1 interior, looking Northwest

CDM Smith

Buffalo Lakeside Commerce Park, Catch Basin 1



9/18/2014, Interior of Catch Basin 1

Buffalo Lakeside Commerce Park, Catch Basin 1



9/19/2014, Sediment collection device at Catch Basin 1, Looking Southeast

Buffalo Lakeside Commerce Park, Catch Basin 1



9/19/2014, Water collecting setup at Catch Basin 1, Looking South

Buffalo Lakeside Commerce Park, Catch Basin 1



9/19/2014, Flowers near Catch Basin 1

Buffalo Lakeside Commerce Park, Catch Basin 2



9/18/2014, Catch Basin cover text

Buffalo Lakeside Commerce Park, Catch Basin 2



9/18/2014, Water level reading setup at Catch Basin 2

Buffalo Lakeside Commerce Park, Catch Basin 2



9/18/2014, Interior of Catch Basin 2

Buffalo Lakeside Commerce Park, Catch Basin 3



9/18/2014, Exterior of Catch Basin 3, looking South

Buffalo Lakeside Commerce Park, Catch Basin 3



9/19/2014, Catch Basin 3 collection setup, looking West

Buffalo Lakeside Commerce Park, Catch Basin 4



9/18/2014, Exterior of Catch Basin 4 located in weeds near edge of Lots 7 and 4, looking West

Buffalo Lakeside Commerce Park, Catch Basin 4



9/18/2014, Exterior of Catch Basin 4 located in weeds near edge of Lots 7 and 4, looking West

CDM Smith

Buffalo Lakeside Commerce Park, Catch Basin 4



9/18/2014, Interior of Catch Basin 4 showing unknown flow, Looking West

CDM Smith

Buffalo Lakeside Commerce Park, Catch Basin X



9/18/2014, Interior of Catch Basin X

Buffalo Lakeside Commerce Park, Laborers Way



9/18/2014, Storm water manhole at Laborers Way, Catch Basins lined up, Looking North

Buffalo Lakeside Commerce Park, SB-99



10/12/2015, SB-99, 9-10' Some dark gray slag pieces and light gray concrete chunks

Buffalo Lakeside Commerce Park, SB-100



10/12/2015, SB-100, 4-6' Some dark gray slag pieces and powdery concrete pieces

Buffalo Lakeside Commerce Park, SB-101



10/13/2015, SB-101, 2-4' light brown sand, fill with black streaks

Buffalo Lakeside Commerce Park, SB-101



10/13/2015, SB-101, 4-6' blue-gray slag material, large chunks

Buffalo Lakeside Commerce Park, SB-101



10/13/2015, SB-101, 6-8' 6" recovery, some rock pieces

CDM Smith

Buffalo Lakeside Commerce Park, SB-101



10/13/2015, SB-101, 8-10' Dark gray slag material

CDM Smith

Buffalo Lakeside Commerce Park, SB-101



10/13/2015, SB-101, 10-12' Dark brown-black soft soil, some wood pieces

CDM Smith

Buffalo Lakeside Commerce Park, SB-101



10/13/2015, SB-101, 14-16' Saturated dark brown soil

CDM Smith

Buffalo Lakeside Commerce Park, SB-101



10/13/2015, SB-101, Left 16-18' dark brown-gray native clay
Right 18-20' dark brown clay

CDM Smith

Buffalo Lakeside Commerce Park, MW-405



10/19/2015, MW-405, Top of inner casing broken and lock broken off

CDM Smith

Buffalo Lakeside Commerce Park, CB-09



10/22/2015, CB-09, White powdery substance from the tubing

CDM Smith

Buffalo Lakeside Commerce Park, CB-30



10/22/2015, CB-30, Orange-white mush substance stuck in water level meter

CDM Smith

Buffalo Lakeside Commerce Park, CB-16



10/22/2015, CB-16, White scum layer on top of water in the catch basin

Buffalo Lakeside Commerce Park, MW-UNK



10/22/2015, MW-UNK looking West, Two wells within the pit on Lot 8, one was abandoned and backfilled with concrete (right).

Buffalo Lakeside Commerce Park, MW-UNK



10/22/2015, MW-UNK, No indication of what the monitoring well number was

Appendix F

Chain of Custodies

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

Test

THE LEADER I

480-71154 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Heidi Dudek	11/10/14	278870
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
625 Broadway, 12th Floor	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Pinnas	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP CN Trackdown, Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site No. 915193A Lab Call Out, Parcel 4 Call Out			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Free CN	Avail CN	TCL SVOCs + 20	Hg, TAL Metals, Total CN	Special Instructions/ Conditions of Receipt
SB-01-1114-0-4	11/10/14	12:12				X	X						X	X	X	X	X	
SB-01-1114-4-8	11/10/14	12:12				X	X						X	X	X	X	X	
SB-01-1114-8-12	11/10/14	12:25				X	X						X	X	X	X	X	
SB-01-1114-12-16	11/10/14	12:30				X	X						X	X	X	X	X	
SB-01-1114-16-20	11/10/14	12:30				X	X						X	X	X	X	X	
SB-02-1114-0-4	11/10/14	12:50				X	X						X	X	X	X	X	
SB-02-1114-4-8	11/10/14	12:55				X	X						X	X	X	X	X	
SB-02-1114-8-12	11/10/14	13:05				X	X						X	X	X	X	X	
SB-02-1114-12-16	11/10/14	13:10				X	X						X	X	X	X	X	
SB-02-1114-16-20	11/10/14	13:15				X	X						X	X	X	X	X	
SB-03-1114-0-4	11/10/14	12:37				X	X						X	X	X	X	X	
SB-03-1114-4-8	11/10/14	12:45				X	X						X	X	X	X	X	

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Amy Pinnas	11/10/14	15:10	1. Received By	11/10/14	15:15
2. Relinquished By	11/10/14	15:45	2. Received By	11/10/14	1545
3. Relinquished By			3. Received By		

Comments

3.6 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Heidi Dudek	11/10/14	278871
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
625 Broadway, 12th Floor	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Ravas	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BCP CN Trackdown, Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site No. 915193A, Parcel 4, Lab Call Out			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Free CN	Avail CN	TCL SVOCs +20	Hg, TAL Metals	Total CN	Special Instructions/ Conditions of Receipt
SB-04-1114-0-4	11/10/14	12:30				X	X						X	X	X	X	X	
SB-04-1114-4-8	11/10/14	12:45				X	X						X	X	X	X	X	
SB-04-1114-8-12	11/10/14	13:00				X	X						X	X	X	X	X	
~~SB-04-1114-12-16~~	~~11/10/14~~					~~X~~	~~X~~											
~~SB-04-1114-16-20~~	~~11/10/14~~					~~X~~	~~X~~											
SB-05-1114-0-4	11/10/14	13:20				X	X						X	X	X	X	X	
SB-05-1114-4-8	11/10/14	13:35				X	X						X	X	X	X	X	
SB-05-1114-8-12	11/10/14	13:50				X	X						X	X				
SB-05-1114-12-16	11/10/14	14:10				X	X						X	X	X	X	X	
SB-05-1114-16-20	11/10/14	14:20				X	X						X	X	X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Amy Ravas	11/10/14	15:10	1. Received By: Jay Dykas	11/10/14	15:15
2. Relinquished By: Jay Dykas	11/10/14	15:25	2. Received By: Amy Ravas	11/10/14	1545
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments

3.6 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

480-71163 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Heidi Dudek	11/11/14	278872
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
625 Broadway	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Andy Fauras	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP GI Trackdown, Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site No. 915193A, Parcel 4, Lab Call Out			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Free CN	Total CN	TCL SVOCs +20	Hg, TAL Metals, Total CN								Special Instructions/ Conditions of Receipt
SW-CB01-1114-F	11/10/14	16:40		X			X		X		X	X		X	X	X	X							
SW-CB01-1114-U	11/10/14	16:20		X			X		X		X	X		X	X	X	X							
SO-06-1114-0-4	11/10/14	14:50				X	X						X	X	X	X	X							
SO-06-1114-4-8	11/10/14	15:00				X	X						X	X										
SO-06-1114-8-12	11/10/14	15:10				X	X						X	X	X	X	X							
SO-06-1114-12-16	11/10/14	15:20				X	X						X	X	X	X	X							
SO-06-1114-16-20	11/10/14	15:30				X	X						X	X	X	X	X							
SE-CB01-1114	11/11/14	08:23			X		X						X	X	X	X	X							
SO-08-1114-4-8	11/11/14	10:20				X	X						X	X	X	X	X							
SO-08-1114-8-12	11/11/14	10:30				X	X						X	X	X	X	X							
SO-08-1114-12-16	11/11/14	10:40				X	X						X	X	X	X	X							
SO-08-1114-16-20	11/11/14	10:50				X	X						X	X	X	X	X							

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
Andy Fauras	11/11/14	14:00		11/11/14	1515
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
	11/11/14	1555		11/11/14	1555
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments

2.8, 2.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Heidi Dudek	11/11/14	278874
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
625 Broadway	518-402-9813		

City	State	Zip Code	Site Contact	Lab Contact
Albany	NY	12233-7017	Amy Figueras	Brian Fischer

Project Name and Location (State)	Carrier/Waybill Number
BCP CN Trackdown	

Contract/Purchase Order/Quote No.: Site No. 915193A, Parcel 4 Lab Callout

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: Free CN	Avail CN	TCL SVOCs +20	Ha, TAL Metals	Total CN	Special Instructions/ Conditions of Receipt
SO-08-1114-0-4	11-11-14	10:10				X	X						X	X	X	X	X	
SO-07-1114-0-4	11-11-14	9:00				X	X						X	X	X	X	X	
SO-07-1114-4-8	11-11-14	9:15				X	X						X	X	X	X	X	
SO-07-1114-8-12	11-11-14	9:30				X	X						X	X	X	X	X	
SO-07-1114-12-16	11-11-14	9:45				X	X						X	X	X	X	X	
SO-07-1114-16-20	11-11-14	10:00				X	X						X	X	X	X	X	
SO-07-1114-MS	11-11-14	9:15				X	X						X	X	X	X	X	
SO-07-1114-MSD	11-11-14	9:15				X	X						X	X	X	X	X	
SO-09-1114-0-4	11-11-14	11:05				X	X						X	X	X	X	X	
SO-09-1114-4-8	11-11-14	11:15				X	X						X	X	X	X	X	
SO-09-1114-8-12	11-11-14	11:25				X	X						X	X	X	X	X	
SO-09-1114-12-16	11-11-15	11:35				X	X						X	X	X	X	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	Amy Figueras	11/11/14	14:40		11/11/14	1515
2.		11/11/14	1555		11/11/14	1555
3.						

Comments

2.8(2.0#)

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

480-71165 Chain of Custody

Receipt _____

? Yes☐ No☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client		Date	Chain of Custody Number
NYSDEC	Heidi Dudek		278873
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
625 Broadway	518-402-9813		

City	State	Zip Code	Site Contact	Lab Contact
Albany	NY	12233-7017	Anil Pavas	Brian Fischer

Project Name and Location (State)	Carrier/Waybill Number
BCP CN Trackdown	

Contract/Purchase Order/Quote No.: Site No. 915934, Lab Call Out

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Avail CN	Total CN	TCL SVOCs +20	Hg, TAL Metals	Free CN	Special Instructions/ Conditions of Receipt
SW-CB02-1114-U	11/11/14	09:20		X			X		X		X		X	X	X	X		
SW-CB02-1114-F	11/11/14	09:35		X			X		X		X		X	X	X	✓		
SW-CB02-1114-MS/MSD-U	11/11/14	09:40		X			X		X		X		X	X	X	X		
SW-CB03-1114-U	11/11/14	10:20		X			X		X		X		X	X	X	X		
SW-CB03-1114-F	11/11/14	10:30		X			X		X		X		X	X	X	X		
SW-BD01-1114-U	11/11/14	10:40		X			X		X		X		X	X	X	X		
SO-09-1114-16-20	11/11/14	11:45				X	X						X	X	X	X	X	
SO-BD-01-1114-0-4	11/11/14	12:20				X	X						X	X	X	X	X	
SO-10-1114-0-4	11/11/14	12:20				X	X						X	X	X	X	X	
SO-10-1114-4-8	11/11/14	12:30				X	X						X	X	X	X	X	
SO-10-1114-8-12	11/11/14	12:40				X	X						X	X	X	X	X	
SO-10-1114-12-16	11/11/14	12:50				X	X						X	X	X	X	X	

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Anil Pavas	11/11/14	14:45	1. Received By:	11/11/14	655
2. Relinquished By:	11/11/14	1555	2. Received By:	11/11/14	1555
3. Relinquished By:			3. Received By:		

Comments

2.8, 2.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC	Heidi Duder	11-11-14	278875

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page ____ of ____
625 Broadway	518-402-9813		

City	State	Zip Code	Site Contact	Lab Contact
Albany	NY	12233-7017	Amy Picuras	Brian Fisher

Project Name and Location (State): BLCP CN Trackdown, Buffalo, NY

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: Site No. 915193A, Parcel 4, Lab Call out

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Free CN	Acid CN	TCL, SVOCs+20	Hg, TAL Metals	Total CN	Special Instructions/ Conditions of Receipt
SO-16-1114-16-20	11/11/14	13:00				X	X		X				X	X	X	X	X	
SW-CB04-1114-G	11/11/14	11:45	X	X			X		X		X	X		X	X	X	X	
SW-CB04-1114-F	11/11/14*	11:55	X	X			X		X		X	X		X	X	X	X	
SW-CB-05-1114-G	11/11/14	12:30		X			X		X		X	X		X	X	X	X	
SW-CB05-1114-F	11/11/14	12:45		X			X		F		X	F		X	X	Y	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
David Likis	11-11-14	15:08		11/11/14	1515
2. Relinquished By	Date	Time	2. Received By	Date	Time
	11/11/14	1555		11/11/14	1555
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

7.8, 2.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

480-71360 Chain of Custody

TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC	Heidi Dudek	11/13/14	278877
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
625 Broadway, 12th Floor	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Pickwas	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
~~Albany~~ BLCP CN Track down, Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site NO. 915193A, Parcel 4, Lab call out			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Acid CN	Total CN	TCL SVOCs+20	Hg, TAL Metals	Special Instructions/ Conditions of Receipt
SW-CB-13-1114-4	11/12/14	15:40		X			X		X		X	X	X	X	X	X	
SW-CB-13-1114-F	11/12/14	16:00		X			X		X		X	X	X	X	X	X	
SW-CB-14-1114-4	11/13/14	10:24		X			X		X		X	X	X	X	X	X	
SW-CB-14-1114-F	11/13/14	11:00		X			X		X		X	X	X	X	X	X	
SW-CB-17-1114-4	11/13/14	12:25		X			X		X		X	X	X	X	X	X	
SW-CB-17-1114-F	11/13/14	12:45		X			X		X		X	X	X	X	X	X	
SW-CB-18-1114-4	11/13/14	11:45		X			X		X		X	X	X	X	X	X	
SW-CB-18-1114-F	11/13/14	12:10		X			X		X		X	X	X	X	X	X	
SW-CB-19-1114-4	11/13/14	11:05		X			X		X		X	X	X	X	X	X	
SW-CB-19-1114-F	11/13/14	11:00		X			X		X		X	X	X	X	X	X	
~~SW-CB-1114-4~~																	
~~SW-CB-1114-F~~																	

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	Amy Pickwas	11/13/14	13:54		11/13/14	15:10
2.		11/13/14	15:50		11/13/14	15:50
3.						

Comments

2 of 4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

480-71459 Chain of Custody

...erature on Receipt _____

...ing Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC	Heidi Dudek	11/14/14	278879
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 2
625 Broadway, 12th Floor	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Ricevas	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP CN Track Down, Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site No. 915193A, Parcel 4, Lab Callout			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Acetyl Cl2	Total Cl2	TCL SVOCs+20	Hg TAL Metals	Free Cl2	Special Instructions/ Conditions of Receipt
SS-01-1114	11-13-14	14:40				X	X						X	X	X	X	X	
SS-02-1114	11-13-14	14:49				X	X						X	X	X	X	X	
SS-03-1114	11-13-14	14:55				X	X						X	X	X	X	X	
SS-04-1114	11-13-14	15:03				X	X						X	X	X	X	X	
SS-05-1114	11-13-14	15:13				X	X						X	X	X	X	X	
SS-06-1114	11-13-14	15:51				X	X						X	X	X	X	X	
SS-07-1114	11-13-14	15:22				X	X						X	X	X	X	X	
SS-08-1114	11-13-14	15:47				X	X						X	X	X	X	X	
SS-09-1114	11-13-14	~~15:42~~ 15:32				X	X						X	X	X	X	X	
SS-10-1114	11-13-14	15:47				X	X						X	X	X	X	X	
SE-CB12-1114	11/14/14	08:45			X		X						X	X	X	X	X	
SE-CB13-1114	11/14/14	09:15			X		X						X	X	X	X	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Amy Ricevas	11/14/14	11:32
2. Relinquished By: TA Buffalo	11/14/14	1530
3. Relinquished By		
1. Received By: TA Buffalo	11/14/14	1449
2. Received By	11/14/14	1530
3. Received By		

Comments

2.6 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Heidi Dudek	11/14/14	277700
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
625 Broadway, 12th Floor	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Fiorucci	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP CN Trackdown, Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site No. 915198A, Parcel 4, Lab Callout			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Avail CN	Total CN	TCL SVOCs + 20	Hg, TAL Metal	Free CN	Special Instructions/ Conditions of Receipt
SE-CB14-1114	11/14/14	09:40			X		X						X	X	X	X	X	
SE-CB19-1114	11/14/14	09:55			X		X						X	X	X	X	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Amy Fiorucci	11/14/14	11:40	1. Received By: TA Buffalo	11/14/14	1409
2. Relinquished By: TA Buffalo	11/14/14	1530	2. Received By:	11/14/14	1530
3. Relinquished By:			3. Received By:		

Comments

2.6 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Heidi Dudek	11/17/14	278882
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
625 Broadway, 12th Floor	(518) 402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Picunas	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BCP CN Trackdown, Buffalo, NY			
Contract/Purchase Order/Quote No.			
BCP Parcel 4 Site 915193A Lab Call Out			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Avail CN	TCL SVOCs +20	Hg, TAL Metals	Free CN	Total CN	Special Instructions/ Conditions of Receipt
SW-CB15-1114-U	11/17/14	09:50		X			X		X		X		X	X	X		X	
SW-CB15-1114-F	11/17/14	10:10		X			X		X		X		X	X	X		X	
SED-CB15-1114	11/17/14	10:30			X		X						X	X	X	X	X	
SW-CB16-1114-U	11/17/14	11:35		X			X		X		X		X	X	X	X	X	
SW-CB16-1114-F	11/17/14	11:50		X			X		X		X		X	X	X	X	X	
SW-CB20-1114-U	11/17/14	12:50		X			X		X		X		X	X	X	X	X	
SW-CB20-1114-F	11/17/14	13:00		X			X		X		X		X	X	X	X	X	
GW-TP09-1114-U	11/17/14	10:10		X			X		X		X		X	X	X		X	
GW-TP09-1114-F	11/17/14	11:30		X			X		X		X		X	X	X		X	
GW-TP09-1114-U-MS/MSD	11/17/14	10:10		X			X		X		X		X	X	X		X	
GW-TP10-1114-U	11/17/14	13:50		X			X		X		X		X	X	X		X	
GW-TP10-1114-F	11/17/14	14:50		X			X		X		X		X	X	X		X	

480-71528 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Amy Picunas	11/17/14	14:25	1. Received By: Jay Dykas	11/17/14	14:45
2. Relinquished By: Jay Dykas	11/17/14	15:15	2. Received By: Lindsay Olson TA BUFF	11/17/14	15:15
3. Relinquished By:			3. Received By:		

Comments

#1 2.3, 2.6

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: NYS DEC	Project Manager: Heidi Dudek	Date: 12/10/14	Chain of Custody Number: 277703
Address: 625 Broadway, 12th floor	Telephone Number (Area Code)/Fax Number: (518) 402-9873	Lab Number:	Page 1 of ____
City: Albany / State: NY / Zip Code: 12233	Site Contact: Amy Picunas	Lab Contact: Brian Fischer	
Project Name and Location (State): BLCP Fradl down, Buffalo, NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: BLCP Parcel 4 Site 915934 Lab Collect			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): Avail. Cl	Tal Metals + Hg	TCL SVOC + Zn	TOTAL CN	Free CN	Special Instructions/ Conditions of Receipt
GW-TP7-1214-U	12/9/14	1605		X			X		X		X		X	X	X	X		
GW-TP7-1214-F	12/9/14	1620		X			X		X		X		X	X	X	X		
GW-TP12-1214-U	12/10/14	0800		X			X		X		X		X	X	X	X		
GW-TP12-1214-F	12/10/14	0815		X			X		X		X		X	X	X	X		
SED-CB21-1214	12/10/14	0945			X		X						X	X	X	X	X	
SED-CB20-1214	12/10/14	0930			X		X						X	X	X	X	X	
SED-CB23-1214	12/10/14	0915			X		X						X	X	X	X	X	
SED-CB24-1214	12/10/14	0900			X		X						X	X	X	X	X	

480-72809 Chain of Custody

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

1. Relinquished By	Date: 12/10/14	Time: 3:10pm	1. Received By	Date: 12/10/14	Time: 5:10
2. Relinquished By	Date: 12/10/14	Time: 16:10	2. Received By: TA Buff	Date: 12/10/14	Time: 16:10
3. Relinquished By	Date:	Time:	3. Received By	Date:	Time:

Comments

1 3.7

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☑ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith
Amy Picunas
11 British American Blvd
Latham, NY 12110
Telephone #: 518-782-4500
Project Mgr: H. Ducket

Invoice To:

P.O No.: Quote/RQN:

Project No: 915193
Site Name: Buffalo Lakeside Commerce Park
Location: Buffalo State: NY
Sampler(s): A. Rielly K. Beepmeyer, L. Estrada

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

N1176 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Gorc Total CN	6010C TAL metals	SVOCs 8270	Check if chlorinated
01	SB-01-10-070714	7/7/14	13:05	G	SO		1			X	X	X	☐
02	SB-02-10-070714	7/7/14	13:35	G	SO		1			X	X	X	☐
03	SB-03-10-070714	7/7/14	13:45	G	SO		1			X	X	X	☐
04	SB-04-10-070714	7/7/14	14:00	G	SO		1			X	X	X	☐
05	SB-05-10-070714	7/7/14	14:20	G	SO		1			X	X	X	☐
06	SB-06-10-070714	7/7/14	14:35	G	SO		1			X	X	X	☐
07	FD-01-070714	7/7/14	14:35	G	SO		1			X	X	X	☐
08	SB-07-03-070714	7/7/14	15:55	G	SO		1			X	X	X	☐
09	SB-07-10-070714	7/7/14	16:10	G	SO		1			X	X	X	☐
10	SB-08-04-070714	7/7/14	16:30	G	SO		1			X	X	X	☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
Katelyn Beepmeyer	FedEx	7/8/14	1416
FedEx		7/9/14	11:05

Temp °C: Observed; Correction Factor 1.7, 2.3; Corrected; IR ID #

☑ EDD format: NYSDEC
☑ E-mail to: PICUNASAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith
Amy Picunas
11 British American Blvd
Latham, NY 12110
Telephone #: ~~914~~ 518-782-4500
Project Mgr: H. Dudek

Invoice To:

P.O No.: Quote/RQN:

Project No: 915193
Site Name: Buffalo Lakeside Commerce Park
Location: Buffalo NY KR State: NY
Sampler(s): A. Rielly; L. Estrada

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

N1176 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: 9010C Total CN	6010C TAL metals	SVOCs 8270	Hex Chromium 7196A	Check if chlorinated
11	SB-09-04-070814A	7/8/14	8:10	G	SO		1			X	X	X		☐
12	SB-12-10-070814	7/8/14	9:00	G	SO		2			X	X	X	X	☐
13	SB-13-08-070814	7/8/14	9:20	G	SO		2			X	X	X	X	☐
14	SB-14-10-070814	7/8/14	9:35	G	SO		2			X	X	X	X	☐
15	SB-15-08-070814	7/8/14	9:50	G	SO		2			X	X	X	X	☐
16	SB-16-10-070814	7/8/14	10:15	G	SO		2			X	X	X	X	☐
17	SB-01-00070814	7/8/14	10:45	G	SO		1						X	☐
18	SB-02-10-070814	7/8/14	11:00	G	SO		1						X	☐
19	SB-03-10-070814	7/8/14	11:15	G	SO		1						X	☐
20	SB-04-10-070814	7/8/14	11:25	G	SO		1						X	☐

Relinquished by:	Received by:	Date:	Time:
Katelyn Reepmeyer	FedEx	7/8/14	14:15
FedEx		7/9/14	11:05

Temp °C
Observed
Correction Factor 1.7, 2.3
Corrected
IR ID #

☑ EDD format: NYSDEC
☑ E-mail to: PicunasAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: 1 week
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith
Amy Picard
518-782-4500
Telephone #:
Project Mgr:

Invoice To:
P.O No.: Quote/RQN:

Project No:
Site Name: BLCP
Location: Buffalo State: NY
Sampler(s):

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

N1176 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Total CN	TAL metals	SVOCs	Hexavalent Chromium	MS/MSD	Check if chlorinated
21	SB-10-10-070814 A	7/8/14	8:25		SO		3	1		X	X	X		X	☐
22	SB-11-10-070814A	7/8/14	8:40		SO		1			X	X	X			☐
23	FD-02-070814 ft	7/8/14	8:40		SO		1			X	X	X			☐
24	SB-05-10-070814	7/8/14	11:45		SO		1						X		☐
25	SB-06-10-070814	7/8/14	12:45		SO		1						X		☐
26	FD-01-070814	7/8/14	12:45		SO		1						X		☐
27	RB-01-070814	7/8/14	13:00		W		1		3	X	X	X	X		☐
28	SB-07-03-070814	7/8/14	13:05		SO		1						X		☐
29	SB-07-10-070814	7/8/14	13:10		SO		1						X		☐
30	SB-08-04-070814	7/8/14	13:40										X		☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply
MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature]	7/8/14	16:00	Observed
Fedex	[signature]	7/9/14	11:05	Corrected: 4.8
				IR ID #

☐ EDD format:
☐ E-mail to:

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

JK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith
Amy Picunas
578-782-4500

Telephone #:

Project Mgr:

Invoice To:

P.O No.: Quote/RQN:

Project No:

Site Name:

Location: State:

Sampler(s):

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

NJ176 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Hexavalent Chromium	MS/MSD	Check if chlorinated
31	SB-09-04-070814B	7/8/14	13:50		SO					X		☐
32	SB-11-10-070814B	7/8/14	14:05		SO					X		☐
33	FD-02-070814B	7/8/14	14:05		SO					X		☐
34	SB-10-10-070814B	7/8/14	14:20		SO					X	X	☐
												☐
												☐
												☐
												☐
												☐
												☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
	Fedex	7/8/14	16:00	Observed
PRP 7/9/14 Fedex		7/9/14	11:05	Corrected: 4.8
				IR ID #

☐ EDD format:

☐ E-mail to:

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken

☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

IR

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: KP	Page 01 of 01
Reviewed By: VW	Log-in Date 07/09/2014
Work Order: N1176	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s)	Present / Absent
	Intact / Broken
2. Custody Seal Nos.	N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present / Absent
4. Airbill	AirBill / Sticker
	Present / Absent
5. Airbill No.	FedEx 7704 9310 1389
6. Sample Tags	Present / Absent
Sample Tag Numbers	Listed / Not Listed on Chain-of-Custody
7. Sample Condition	Intact / Broken/ Leaking
8. Cooler Temperature Indicator Bottle	Present / Absent
9. Cooler Temperature	1.7c 4.8 °C 2.3 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	07/09/2014
12. Time Received	11:05

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
N1176-01							
N1176-02							
N1176-03							
N1176-04							
N1176-05							
N1176-06							
N1176-07							
N1176-08							
N1176-09							
N1176-10							
N1176-11							
N1176-12							
N1176-13							
N1176-14							
N1176-15							
N1176-16							
N1176-17							
N1176-18							
N1176-19							
N1176-20							
N1176-21							
N1176-22							
N1176-23							
N1176-24							
N1176-25							
N1176-26							
N1176-27	<2						
N1176-28							
N1176-29							
N1176-30							
N1176-31							
N1176-32							
N1176-33							
N1176-34							

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form Yes / No

Rad OK Yes / No

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith
Amy Piccinas
Telephone #: 518-782-4500
Project Mgr:

Invoice To:
P.O No.: Quote/RQN:

Project No: BLCP
Site Name:
Location: Buffalo State: NY
Sampler(s):

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

N1181 G= Grab C=Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Total I C N	TAL metals	SVOCs 8270	Hexavalent Chrom.	Check if chlorinated
01	SS-01-070914	7/9/14	13:05		SO		2			X	X	X	X	☐
02	SS-02-070914	7/9/14	13:15		SO		2			X	X	X	X	☐
03	SS-03-070914	7/9/14	13:23		SO		2			X	X	X	X	☐
04	SS-04-070914	7/9/14	13:30		SO		2			X	X	X	X	☐
05	SS-FD-01-070914	7/9/14	13:30		SO		2			X	X	X	X	☐
06	SS-05-070914	7/9/14	13:40		SO		2			X	X	X	X	☐
07	SS-06-070914	7/9/14	13:45		SO		2			X	X	X	X	☐
08	SS-07-070914	7/9/14	13:55		SO		2			X	X	X	X	☐
09	SS-08-070914	7/9/14	14:00		SO		2			X	X	X	X	☐
10	SS-09-070914	7/9/14	14:10		SO		2			X	X	X	X	☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	FedEx	7/9/14	15:55	Observed
FedEx	[signature]	7/10/14	9:15	Corrected 3.3C
				IR ID #

☐ EDD format:
☐ E-mail to:

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith

Invoice To:

Project No:

Site Name: BCP

Location: Buffalo State: NY

Telephone #: 518-782-4500

Project Mgr: Amy Picunas

P.O No.: Quote/RQN:

Sampler(s):

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

N1181 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total CN	TAL metals	5 VOCs 8270	Hexavalent Chromium					Check if chlorinated
11	SS-10-070914	7/9/14	14:55				2			X	X	X	X					☐
12	SS-FD-02-070914	7/9/14	14:55				2			X	X	X	X					☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
[signature]	FedEx	7/9/14	15:55
FedEx	[signature]	7/10/14	9:15

Temp °C
Observed
Correction Factor
Corrected 3.3°C
IR ID #

☐ EDD format:
☐ E-mail to:

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: WSL	Page 01 of 00
Reviewed By: VRD	Log-in Date 07/10/2014
Work Order: N1181	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent
   Intact / Broken
2. Custody Seal Nos. N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent
4. Airbill — AirBill / Sticker
   Present / Absent
5. Airbill No. FedEx 7704 9317 2289
6. Sample Tags — Present / Absent
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody
7. Sample Condition — Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle — Present / Absent

9. Cooler Temperature	3.3 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	07/10/2014
12. Time Received	09:15

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
N1181-01							
N1181-02							
N1181-03							
N1181-04							
N1181-05							
N1181-06							
N1181-07							
N1181-08							
N1181-09							
N1181-10							
N1181-11							
N1181-12							

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form Yes / No

Rad OK Yes / No

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☑ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith

Invoice To: CDM Smith

Project No: BLCP

Site Name:

Location: Buffalo State: NY

Sampler(s): MR, KW, CL

Telephone #: 315-752-4500

Project Mgr: Amy Allen

P.O No.: Quote/RQN:

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

N1194 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Containers: Total CN	Analysis: VOCs	Analysis: SVOCs	Analysis: Pest. Chlordane?	Analysis: MS/MSD	Check if chlorinated
01	SS-11-071014	7/10/14	8:00		SO		6			X	X	X	X	X	☐
02	SS-12-071014	7/10/14	8:10		SO		2			X	X	X	X		☐
03	SS-13-071014	7/10/14	8:16		SO		2			X	X	X	X		☐
04	SS-14-071014	7/10/14	8:25		SO		2			X	X	X	X		☐
05	SS-15-071014	7/10/14	8:30		SO		2			X	X	X	X		☐
06	SS-16-071014	7/10/14	9:25		SO		2			X	X	X	X		☐
07	SS-17-071014	7/10/14	9:37		SO		2			X	X	X	X		☐
08	SS-18-071014	7/10/14	9:50		SO		2			X	X	X	X		☐
09	SS-19-071014	7/10/14	10:00		SO		2			X	X	X	X		☐
10	SS-20-071014	7/10/14	10:15		SO		2			X	X	X	X		☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	Fedex	7/10/14	11:00	Observed
Fedex	[signature]	7/11/14	9:59	Correction Factor 3.5 1.9 3.5
				Corrected
				IR ID #

☑ EDD format: NYSDEC
☐ E-mail to: PicunesAEE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☑ Rush TAT - Date Needed: 1 WEEK

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Amy Picunas
CDM Smith
11 British American Blvd
Latham, NY 12110
Telephone #: 518-782-4500
Project Mgr: H. Dudek

Invoice To: CDM Smith

P.O No.: _____ Quote/RQN: _____

Project No: 915193
Site Name: BUFFALO LAKESIDE COMMERCE PARK
Location: BUFFALO State: NY
Sampler(s): A. RILELLY L. ESTRADA, K. REEPMEYER

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

N1194 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis:								Check if chlorinated
										5 / C2	4 / TAL METALS 6010	SVOCS 8270	HEX. CHROM. 218.6					
11	GW-TP-01-071014	7/10/14	0950	G	GW		1		3	1	1	1	1					☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Alice Neel	Fedex	7/10/14	11:00	Observed
Fedex	[signature]	7/11/14	9:59	Correction Factor 0.7 0.9 0.5
				Corrected
				IR ID #

☑ EDD format: NYSDEC
☑ E-mail to: PicunasAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
☐ Standard TAT - 7 to 10 business days
☑ Rush TAT - Date Needed: 1 week
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith
Telephone #: 518 782-4500
Project Mgr: Amy Picunas

Invoice To: CDM Smith
P.O No.: _____ Quote/RQN: _____

Project No: BCP
Site Name: _____
Location: Buffalo State: NY
Sampler(s): AK, KRLE

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

N1194 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Containers: Total CN	Analysis: TAL metals	Hex. Chromium	SVOC 8270	MS/MSD					Check if chlorinated
12	SS-21-071014	7/10/14	1205		SO		2			X	X	X	X						☐
13	SS-22-071014	7/10/14	1215		SO		2			X	X	X	X						☐
14	SS-23-071014	7/10/14	1220		SO		6			X	X	X	X	X					☐
15	SS-24-071014	7/10/14	1230		SO		2			X	X	X	X						☐
16	SS-FD-03-071014	7/10/14	1230		SO		2			X	X	X	X						☐
17	SS-25-071014	7/10/14	1250		SO		2			X	X	X	X						☐
18	SS-26-071014	7/10/14	1255		SO		2			X	X	X	X						☐
19	SS-27-071014	7/10/14	1328		SO		2			X	X	X	X						☐
20	SS-28-071014	7/10/14	1335		SO		2			X	X	X	X						☐
21	SS-29-071014	7/10/14	1350		SO		2			X	X	X	X						☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply
MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	Fedex	7/10/14	1336	Observed
Fedex	[signature]	7/11/14	9:59	Correction Factor 1.5 3.5
				Corrected
				IR ID #

☑ EDD format: NYSDEC
☐ E-mail to: PICUNASAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☒ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith

Invoice To: CDM Smith

Project No: BLCP

Site Name:

Location: Buffalo State: NY

Telephone #: 518-782-4500

Project Mgr: Amy Picunas

P.O No.: Quote/RQN:

Sampler(s): AR, KR, LE

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

N1194 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total CN	TAL metals	Hex. Chromium	SVOCs	Check if chlorinated
22	SS-30-071014	7/10/14	1358	-	SO		2			X	X	X	X	☐
23	SS-31-071014	7/10/14	1402		SO		2			X	X	X	X	☐
24	SS-32-071014	7/10/14	1412		SO		2			X	X	X	X	☐
25	GW-TP-03-071014	7/10/14	1420		GW		1		3	X	X	X	X	☐
26	GW-TP-02-071014	7/10/14	1220		GW		1		3	X	X	X	X	☐
27	FB-01-071014	7/10/14	1430		GW		1		3	X	X	X	X	☐
														☐
														☐
														☐
														☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	Fedex	7/11/14	1530	Observed
Fedex	[signature]	7/11/14	9:59	Correction Factor 4.5 1.3 3.5
				Corrected
				IR ID #

☒ EDD format: NYSDEC
☐ E-mail to: picunasAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: KT	Page 01 of 01
Reviewed By: WL	Log-in Date 07/11/2014
Work Order: N1194	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent
   Intact / Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent
4. Airbill — AirBill / Sticker
   Present / Absent
5. Airbill No. — FedEx 7704 9371 8840
6. Sample Tags — Present / Absent
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody
7. Sample Condition — Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle — Present / Absent
9. Cooler Temperature — 4.3 °C
   1.9, 3.5
10. Does information on TR/COCs and sample tags agree? — Yes / No
11. Date Received at Laboratory — 07/11/2014
12. Time Received — 09:59

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
N1194-01							
N1194-02							
N1194-03							
N1194-04							
N1194-05							
N1194-06							
N1194-07							
N1194-08							
N1194-09							
N1194-10							
N1194-11	<2			>12			
N1194-12							
N1194-13							
N1194-14							
N1194-15							
N1194-16							
N1194-17							
N1194-18							
N1194-19							
N1194-20							
N1194-21							
N1194-22							
N1194-23							
N1194-24							
N1194-25	<2			>12			
N1194-26	<2			>12			
N1194-27	<2			>12			

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form — Yes / No

Rad OK — Yes / No

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☑ ~~Rush~~ TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith

Invoice To: CDM Smith

Project No: BLCP

Site Name:

Location: Buffalo State: NY

Sampler(s): AR, KR, LE

Telephone #: 518-787-4500

Project Mgr: Amy Picunas

P.O No.: Quote/RQN:

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

N1205 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: METALS 6010	CN 9010	SVOC 8270	HEX. CHROM. 218.6	Check if chlorinated
01	SS-42-071114	7/11/14	920		SO		2							☐
02	SS-43-0711 14	7/11/14	927		SO		2							☐
03	SS-FD05-071114	7/11/14	927		SO		2							☐
04	SS-44-071114	7/11/14	934		SO		2							☐
05	SS-45-0711 14	7/11/14	940		SO		2							☐
06	GW-TP-08-071114	7/11/14	0847	G	GW		1		3	1	1	1	1	☐
07	GW-DUP-01-071114	7/11/14	0850	G	GW		1		3	1	1	1	1	☐
08	FB-01-071114	7/11/14	1027	G			1		3	1	1	1	1	☐
														☐
														☐

List Preservative Code below: 4 5

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
Katelyn Reepmeyer	Fedex	7/11/14	1200
Fedex	[signature]	7/14/14	11:45

Temp °C
Observed
Correction Factor: 22.0
Corrected
IR ID #

☑ EDD format: NYSDEC
☑ E-mail to: PicunasAE@CDMSmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

IR

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☑ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith

Invoice To: CDM Smith

Project No: BLCP

Site Name:

Location: Buffalo State: NY

Sampler(s): AR, ER, LE

Telephone #: 518-782-4500

Project Mgr: Amy Picinas

P.O No.: Quote/RQN:

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

N1205 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Containers: Tot+CN	Analysis: Tot metals	Analysis: SVOCs	Analysis: Hex. Chromium	Check if chlorinated
09	SS-33-071114	7/11/14	8:00		SO		2			X	X	X	X	☐
10	SS-34-071114	7/11/14	8:10		SO		2			X	X	X	X	☐
11	SS-35-071114	7/11/14	8:15		SO		2			X	X	X	X	☐
12	SS-36-071114	7/11/14	822		SO		2			X	X	X	X	☐
13	SS-37-071114	7/11/14	827		SO		2			X	X	X	X	☐
14	SS-FD04-071114	7/11/14	8:27		SO		2			X	X	X	X	☐
15	SS-38-071114	7/11/14	845		SO		2			X	X	X	X	☐
16	SS-39-071114	7/11/14	852		SO		2			X	X	X	X	☐
17	SS-40-071114	7/11/14	900		SO		2			X	X	X	X	☐
18	SS-41-071114	7/11/14	910		SO		2			X	X	X	X	☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Katalyn Koepmeyer	Fedex	7/11/14	1200	Observed
Fedex		7/14/14	11:45	Correction Factor -1.0°
				Corrected
				IR ID #

☑ EDD format: NYSDEC

☐ E-mail to: PicinasAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: KP	Page 01 of 01
Reviewed By: JCD	Log-in Date 07/14/2014
Work Order: N1205	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent
   Intact / Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent
4. Airbill — AirBill / Sticker
   Present / Absent
5. Airbill No. — FedEx 7704 9320 1793
6. Sample Tags — Present / Absent
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody
7. Sample Condition — Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle — Present / Absent

9. Cooler Temperature	22.0 °C 9.0°C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	07/14/2014
12. Time Received	11:45

Sample Transfer	
Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
N1205-01							
N1205-02							
N1205-03							
N1205-04							
N1205-05							
N1205-06	<2			>12			
N1205-07	<2			>12			
N1205-08	<2			>12			
N1205-09							
N1205-10							
N1205-11							
N1205-12							
N1205-13							
N1205-14							
N1205-15							
N1205-16							
N1205-17							
N1205-18							

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form — Yes / No

Rad OK — Yes / No

Spectrum Analytical, Inc. RI Division Sample Condition Notification

Project#:_____ Date of Receipt: 7/14/14

Client: CDM Received By: KP

Client project #/name: Lakeside

Unusual Occurance Description:

2 coolers received with high temperatures

9.0°C

22.0°C

Client Contacted:

Contacted via: Phone/Fax/E-mail

Date:_____ Time:_____

Contacted By:_____

Name of person contacted:_____

Client Response:

Responded via: Phone/Fax/E-mail

Date:_____

Name of person responding:_____

Responding to:_____

Action Taken: _____

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith, Latham NY
Telephone #: 518-782-4500
Project Mgr: Amy Picuno

Invoice To: CDM Smith
P.O No.: _____ Quote/RQN: _____

Project No: _____
Site Name: Buffalo Lateside Commerce Park
Location: Buffalo State: NY
Sampler(s): AR, KR

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

N1204 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Total CN	TAL metals	SVOCs	Hex. Chromium	MS/MSD				Check if chlorinated
01	SS-46-071414	7/14/14	1140		SO		2			X	X	X	X					☐
02	SS-47-071414	7/14/14	1150		SO		2			X	X	X	X					☐
03	SS-48-071414	7/14/14	1205		SO		2			X	X	X	X					☐
04	SS-49-071414	7/14/14	1215		SO		2			X	X	X	X					☐
05	SS-50-071414	7/14/14	1222		SO		2			X	X	X	X					☐
06	SS-51-071414	7/14/14	1230		SO		6			X	X	X	V	X				☐
07	SS-FD-06-071414	7/14/14	1180		SO		2			X	X	X	X					☐
08	GW-TP-10-071414	7/14/14	1428		GW		1		3	X	X	X	X					☐
09	GW-TP-11-071414	7/14/14	1300		GW		1		3	X	X	X	X					☐
10	FB-03-071414	7/14/14	1530		GW		1		3	X	X	X	X					☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
[signature] FedEx	FedEx	7/14/14	1700
FedEx	[signature]	7/15/14	10:30

Temp °C: Observed _____ Correction Factor 3.6 2.0 Corrected _____ IR ID # _____

☒ EDD format: NYSDEC
☐ E-mail to: PicunoAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☒ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Cam Smith
Graham MP

Telephone #: 518-782-4500
Project Mgr: Amy Pruno

Invoice To: Cam Smith

P.O No.: _____ Quote/RQN: _____

Project No: Buffalo
Site Name: Lakeside Commerce Park
Location: Buffalo State: NY
Sampler(s): MR RPS

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

N1206 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Total Cr	Hexavalent Cr	SVOCs	Methylchrysene	Check if chlorinated
11	GW-TP-09-071414	7/14/14	1615		GW		1		3	X	X	X	X	☐
12	GW-TP-02-071414	7/14/14	1615		GW		1		3	X	X	X	X	☐
														☐
														☐
														☐
														☐
														☐
														☐
														☐
														☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
Fedex	Fedex	7/14/14	1700
Fedex	[signature]	7/15/14	10:30

Temp °C: Observed _____ Correction Factor 3.6 2.0 Corrected _____ IR ID # _____

☒ EDD format: NYSDEC
☐ E-mail to: Pruno.Amy@tetratech.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: KP	Page 01 of 00
Reviewed By: JKD	Log-in Date 07/15/2014
Work Order: N1208	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent
   Intact / Broken
2. Custody Seal Nos. N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent
4. Airbill — AirBill / Sticker
   Present / Absent
5. Airbill No. FedEx 7704 9360 6627
6. Sample Tags — Present / Absent
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody
7. Sample Condition — Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle — Present / Absent

9. Cooler Temperature	3.6 °C 2.0C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	07/15/2014
12. Time Received	10:30

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
N1208-01							
N1208-02							
N1208-03							
N1208-04							
N1208-05							
N1208-06							
N1208-07							
N1208-08	<2			>12			
N1208-09	<2			>12			
N1208-10	<2			>12			
N1208-11	<2			>12			
N1208-12	<2			>12			

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form — Yes / No

Rad OK — Yes / No

Sample Condition Form

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith
Latham NY

Telephone #: 518-782-4500
Project Mgr: Amy Picunas

Invoice To: CDM Smith

P.O No.: _____ Quote/RQN: _____

Project No: _____
Site Name: BLCP
Location: Buffalo State: NY
Sampler(s): KR. AR

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

N 1220 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total CN	Total metals	Hex. Chromium	SVOC	Check if chlorinated
01	GW-TP-06-071514	7/15/14	1125		GW		1		3	X	X	X	X	☐
02	GW-TP-07-071514	7/15/14	1245		GW		1		3	X	X	X	X	☐
03	GW-TP-12-071514	7/15/14	1345		GW		1		3	X	X	X	X	☐
														☐
														☐
														☐
														☐
														☐
														☐
														☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	Fedex	7/15/14	1430	Observed
Fedex	[signature]	7/16/14	7:58	Correction Factor 3.3
				Corrected
				IR ID #

☒ EDD format: NYSDEC
☒ E-mail to: PicunasAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: KP	Page 01 of 00
Reviewed By: JKD	Log-in Date 07/16/2014
Work Order: N1220	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent
   Intact / Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent
4. Airbill — AirBill / Sticker
   Present / Absent
5. Airbill No. — FedEx 8061 6700 8541
6. Sample Tags — Present / Absent
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody
7. Sample Condition — Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle — Present / Absent
9. Cooler Temperature — 3.3 °C
10. Does information on TR/COCs and sample tags agree? — Yes / No
11. Date Received at Laboratory — 07/16/2014
12. Time Received — 07:58

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
N1220-01	<2			>12			
N1220-02	<2			>12			
N1220-03	<2			>12			

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form — Yes / No

Rad OK — Yes / No

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 1 week
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith
Telephone #: 518-782-4500
Project Mgr: Amy Picunes

Invoice To: CDM Smith
P.O No.: _____ Quote/RQN: _____

Project No: _____
Site Name: BLCP
Location: Buffalo State: NY
Sampler(s): KR, AR

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

N122 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Total CN	TAL metals	Hex chromium	SVOCs	MS/MSD				Check if chlorinated
01	GW-TP-05-071514	7/15/14	8:50		GW		3		9	X	X	X	X	X				☐
02	GW-FB-04-071514	7/15/14	930		GW		1		3	X	X	X	X					☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Fedex	Fedex	7/15/14	1045	Observed
		7/16/14	9:48	Correction Factor 4.7
				Corrected
				IR ID #

☒ EDD format: NYSDEC
☒ E-mail to: PicunesAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: KP	Page 01 of 00
Reviewed By: DKD	Log-in Date 07/16/2014
Work Order: N1221	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s)	Present / Absent
	Intact / Broken
2. Custody Seal Nos.	N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present / Absent
4. Airbill	AirBill / Sticker
	Present / Absent
5. Airbill No.	FedEx 7704 9357 9571
6. Sample Tags	Present / Absent
Sample Tag Numbers	Listed / Not Listed on Chain-of-Custody
7. Sample Condition	Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle	Present / Absent
9. Cooler Temperature	4.7 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	07/16/2014
12. Time Received	09:48

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
N1221-01	<2			>12			
N1221-02	<2			>12			

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form Yes / No

Rad OK Yes / No

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 1 WEEK

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: AMY PICUNAS
11 BRITISH AMERICAN BLVD.
SUITE 200
LATHAM, NY 12110
Telephone #: 518-782-4500
Project Mgr: HEIDE AUDER

Invoice To: AMY PICUNAS
11 BRITISH AMERICAN BLVD.
SUITE 200
LATHAM, NY 12110
P.O No.: _____ Quote/RQN: _____

Project No: 915183
Site Name: BUFFALO LAKESIDE COMMERCE PARK
Location: BUFFALO State: NY
Sampler(s): ERIC ROSENZWEIG
KATELYN REEPMEYER

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

List Preservative Code below: F4 5

QA/QC Reporting Notes:
* additional charges may appply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

N1532 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: SVOC	METALS	CYANIDE	HEX. CHROM	Check if chlorinated
01	WG-TP-08-082514	8/25/14	1510	WG			2		3	2	1	1	1	☐
02	WG-TP-DUP1-082514	8/25/14	1510	WG			2		3	2	1	1	1	☐
03	WG-TP-FB01-082514	8/25/14	1415	FB			2		3	2	1	1	1	☐
04	WG-TP-02-082514	8/25/14	1615	WG			2		3	2	1	1	1	☐
04	WG-TP-MS-082514	8/25/14	1615	WG			2		3	2	1	1	1	☐
04	WG-TP-MSD-082514	8/25/14	1615	WG			2		3	2	1	1	1	☐
														☐
														☐
														☐
														☐
														☐

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
Katelyn Reepmeyer		08/26/14	09:00

Temp °C: Observed 5.2, 2.2 C; Correction Factor; Corrected; IR ID #

☑ EDD format: NYSDEC EQUIS
E-mail to: PICUNASAE@COMSMITH.COM

Condition upon receipt: Custody Seals: ☑ Present ☑ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: WJL	Page 01 of 00
Reviewed By: KP	Log-in Date 08/26/2014
Work Order: N1532	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s)	Present / Absent
	Intact / Broken
2. Custody Seal Nos.	N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present / Absent
4. Airbill	AirBill / Sticker
	Present / Absent
5. Airbill No.	FedEx 7709 1552 5217
6. Sample Tags	Present / Absent
Sample Tag Numbers	Listed / Not Listed on Chain-of-Custody
7. Sample Condition	Intact / Broken/ Leaking
8. Cooler Temperature Indicator Bottle	Present / Absent
9. Cooler Temperature	5.2 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	08/26/2014
12. Time Received	09:00

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
N1532-01	<2			>12			
N1532-02	<2			>12			
N1532-03	<2			>12			
N1532-04	<2			>12			

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form Yes / No

Rad OK Yes / No

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Amy Picunas
11 British American Blvd
Suite 200
Latham, NY 12110
Telephone #: 518-782-4500
Project Mgr: Heide Dudek

Invoice To: Amy Picunas
11 British American Blvd
Suite 200
Latham, NY 12110
P.O No.: _____ Quote/RQN: _____

Project No: 91667 / 918153
Site Name: BUFFALO LAKESIDE COMMERCE PARK
Location: BUFFALO State: NY
Sampler(s): Eric Rosenzweig
Katelyn Reepmeyer

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

N1537 G= Grab C=Compsite

List Preservative Code below: FH | F | 5

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: SVOC	metals	Hex. Chrom.	Cyanide	Check if chlorinated
01	WG-TP-01-082614	8/26/14	1015	GW	WG	0	2	0	3	2	1	1	1	☐
02	WG-TP-11-082614	8/26/14	1135	GW	WG	0	2	0	3	2	1	1	1	☐
03	WG-TP-12-082614	8/26/14	1428	GW	WG	0	2	0	3	2	1	1	1	☐
04	WG-TP-03-082614	8/26/14	1559	GW	WG	0	2	0	3	2	1	1	1	☐
05	WG-TP-10-082614	8/26/14	1025	GW	WG	0	2	0	3	2	1	1	1	☐
06	WG-TP-09-082614	8/26/14	1200	GW	WG	0	2	0	3	2	1	1	1	☐
07	WG-TP-07-082614	8/26/14	1425	GW	WG	0	2	0	3	2	1	1	1	☐
08	WG-TP-04-082614	8/26/14	1620	GW	WG	0	2	0	3	2	1	1	1	☐
														☐
														☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Katelyn Reepmeyer		8/27/14	10:27	Observed 3.5C 4.0C, 3.4C
				Corrected
				IR ID #

☑ EDD format: NYSDEC EQUIS
☑ E-mail to: PICUNASAE@COMSMITH.COM

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: KP	Page 01 of 00
Reviewed By: KP	Log-in Date 08/27/2014
Work Order: N1537	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent
   Intact / Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent
4. Airbill — AirBill / Sticker Present / Absent
5. Airbill No. — FedEx 7709 1556 9867
6. Sample Tags — Present / Absent
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody
7. Sample Condition — Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle — Present / Absent
9. Cooler Temperature — 4.0 °C
10. Does information on TR/COCs and sample tags agree? — Yes / No
11. Date Received at Laboratory — 08/27/2014
12. Time Received — 10:27

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
N1537-01	<2			>12			
N1537-02	<2			>12			
N1537-03	<2			>12			
N1537-04	<2			>12			
N1537-05	<2			>12			
N1537-06	<2			>12			
N1537-07	<2			>12			
N1537-08	<2			>12			

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil — A= Air
UA = Unpreserved Aqueous — H = HCl
M = MeOH — E = Encore
N = NaHSO4 — F = Freeze

See Sample Condition Notification/Corrective Action Form — Yes / No

Rad OK — Yes / No

Spectrum Analytical, Inc. RI Division Sample Condition Notification

Project#: N1537
Client: CDM - LATHAM
Client project #/name: Buffalo Lakeside

Date of Receipt: 8/27/14
Received By: VEB

Unusual Occurance Description:

Rec'd 1 - liter bottle and the 500mL ~~VOA~~ VEB 8/28/14 Hex chrom bottle was empty; still have 1 - 1 liter, 1 50mL HNO3, 1 - 50mL NAOH.

Client Contacted:
Contacted via: Phone/Fax/E-mail
Date:_____ Time:_____
Contacted By:_____
Name of person contacted:_____

Client Response:
Responded via: Phone/Fax/E-mail
Date:_____
Name of person responding:_____
Responding to:_____

Action Taken: Sufficient sample volume for all analyses

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Amy Picunas
11 British American Blvd
Suite 200
Latham, NY 12110
Telephone #: 518-782-4500
Project Mgr: Heidi Dudek

Invoice To: Amy Picunas
11 British American Blvd
Suite 200
Latham, NY 12110
P.O No.: _____ Quote/RQN: _____

Project No: 91667/91583
Site Name: Buffalo Lakeside Commerce Park
Location: Buffalo State: NY
Sampler(s): Eric Rosenzweig
Katelyn Reepmeyer

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

N1547 G= Grab C=Compsite

List Preservative Code below: F4 | 5 | F

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: SVOC	metals	cyanide	Hx. Chrom.	Check if chlorinated
01	WG-TP-06-082714	8/27/14	0940	GW	WG	0	2	0	3	2	1	1	1	☐
02	WG-TP-05-082714	8/27/14	0943	GW	WG	0	2	0	3	2	1	1	1	☐
														☐
														☐
														☐
														☐
														☐
														☐
														☐
														☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Katelyn Reepmeyer		8/27/14	9:57	Observed 2.5
				Corrected
				IR ID #

☑ EDD format: NYSDEC EQUIS
☑ E-mail to: PicunaSAE@camsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: KP	Page 01 of 00
Reviewed By: KP 8/28	Log-in Date 08/28/2014
Work Order: N1547	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s)	Present / Absent
	Intact / Broken
2. Custody Seal Nos.	N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present / Absent
4. Airbill	AirBill / Sticker
	Present / Absent
5. Airbill No.	FedEx 7709 6614 0754
6. Sample Tags	Present / Absent
Sample Tag Numbers	Listed / Not Listed on Chain-of-Custody
7. Sample Condition	Intact / Broken/ Leaking
8. Cooler Temperature Indicator Bottle	Present / Absent
9. Cooler Temperature	2.5 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	08/28/2014
12. Time Received	09:57

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
N1547-01	<2			>12			
N1547-02	<2			>12			

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form Yes / No

Rad OK Yes / No

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☑ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: AMY PICUNAS
CDM SMITH
11 BRITISH AMERICAN BLVD
LATHAM, NY 12110
Telephone #: 518-782-4500
Project Mgr: AMY PICUNAS

Invoice To: AMY PICUNAS

P.O No.: 91667 Quote/RQN: _____

Project No: 91667
Site Name: BUFFALO LAKESIDE COMMERCE PARK
Location: BUFFALO State: NY
Sampler(s): K. REEPMEYER

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

P0972 G= Grab C=Compsite

ALL COMPOSITE KR

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Reactive CN	Total CN	TAL Metals	SVOCs	Check if chlorinated
01	SB-52-0-4-052615	5/26/15	0945	G	SO		4			1	1	1	1	☐
02	SB-52-4-8-052615	5/26/15	0954	G	SO		4			1	1	1	1	☐
03	SB-52-8-12-052615	5/26/15	1000	G	SO		4			1	1	1	1	☐
04	SB-52-12-16-052615	5/26/15	1013	G	SO		4			1	1	1	1	☐
05	SB-52-16-20-052615	5/26/15	1027	G	SO		4			1	1	1	1	☐
06	SB-53-0-4-052615	5/26/15	1056	G	SO		4			1	1	1	1	☐
07	SB-53A-4-8-052615	5/26/15	1151	G	SO		4			1	1	1	1	☐
08	SB-54-0-4-052615	5/26/15	1340	G	SO		4			1	1	1	1	☐
09	SB-55-0-4-052615	5/26/15	1449	G	SO		4			1	1	1	1	☐
10	SB-55-4-8-052615	5/26/15	1501	G	SO		4			1	1	1	1	☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
		5/27/15	1127
		05/28/15	12:22

Temp °C: Observed 3.7; Correction Factor 0; Corrected 3.7; IR ID # C1

☑ EDD format: NYSDEC EQuIS
☑ E-mail to: PICUNASAE@CDMSMITH.com
REEPMEYERKM@CDMSMITH.com

Condition upon receipt: Custody Seals: ☑ Present ☑ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

3.9°C IR

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: AMY PICUNAS
CDM SMITH
11 BRITISH AMERICAN BLVD
LATHAM, NY 12110
Telephone #: 518-782-4500
Project Mgr: AMY PICUNAS

Invoice To: AMY PICUNAS

P.O No.: 91667 Quote/RQN: _____

Project No: 91667
Site Name: BLCP PARCEL 4
Location: BUFFALO State: NY
Sampler(s): K. REEPMEYER
J. STUART

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

Page 2

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Reactive CN	Total CN	TAL Metals	SVOCs	Check if chlorinated
11	SB-55-8-12-052615	5/26/15	1508	SO	C		4			1	1	1	1	☐
12	SB-55-12-16-052615	5/26/15	1515	SO	C		4			1	1	1	1	☐
13	SB-55-16-20-052615	5/26/15	1530	SO	C		4			1	1	1	1	☐
14	SB-56-0-4-052615	5/26/15	1604	C	SO		2			1	1	Ø	Ø	☐
15	SB-56-4-8-052615	5/26/15	1613	C	SO		4			1	1	1	1	☐
16	SB-56-8-12-052615	5/26/15	1620	C	SO		4			1	1	1	1	☐
17	SB-56-12-16-052615	5/26/15	1630	C	SO		4			1	1	1	1	☐
		KR 5/26/15												☐
														☐
														☐

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	5/27/15	1127
[signature]	[signature]	05/28/15	12:22

Temp °C
Observed: 3.7
Correction Factor: 0
Corrected: 3.7
IR ID #: 01

☑ EDD format: NYSDEC EQUIS
☑ E-mail to: PICUNASAE@CDMSMITH.COM
REEPMEYERKM@CDMSMITH.COM

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

3.9 °C IR

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: WJL	Page 01 of 00
Reviewed By: KD	Log-in Date 05/28/2015
Work Order: P0972	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent
   Intact / Broken
2. Custody Seal Nos. N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent
4. Airbill — AirBill / Sticker
   Present / Absent
5. Airbill No. Courier N/A
6. Sample Tags — Present / Absent
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody
7. Sample Condition — Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle — Present / Absent

9. Cooler Temperature	3.9 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	05/28/2015
12. Time Received	12:22

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
P0972-01							
P0972-02							
P0972-03							
P0972-04							
P0972-05							
P0972-06							
P0972-07							
P0972-08							
P0972-09							
P0972-10							
P0972-11							
P0972-12							
P0972-13							
P0972-14							
P0972-15							
P0972-16							
P0972-17							

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form — Yes / No

Rad OK — Yes / No

SPECTRUM ANALYTICAL, INC.
Featuring
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Page 1 of 4

CHAIN OF CUSTODY RECORD

☑ 11 Almgren Drive, Agawam, MA 01001, (413) 789-9018
☐ 8405 Benjamin Road, Ste A, Tampa, FL 33634, (813) 888-9507
☐ 646 Camp Avenue, N Kingstown, RI 02852, (401) 732-3400

Special Handling:

TAT- Ind icate Date Needed: 2-WEEKS
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: AMY PICUNAS
COM SMITH
11 BRITISH AMERICAN BLVD
LATHAM, NY 12110
Telephone #: 518-782-4500
Project Mgr. NANCY STRU

Invoice To: AMY PICUNAS

P.O. No.: 91667 RQN:

Project No.: 91667
Site Name: BLCP PARCEL 4
Location: BUFFALO State: NY
Sampler(s): K. REEPMEYER

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= _____ 12= _____

List preservative code below:

QA/QC Reporting Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Containers: # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | REACTIVE CN

Analyses: TOTAL CN | TAL METALS | SVOCS

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other _____
State-specific reporting standards: _____

Page 87

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	REACTIVE CN	TOTAL CN	TAL METALS	SVOCS	QA/QC Notes
01	SB-57-0-4-052715	5/27/15	0746	C	SO		4			1	1	1	1	
02	SB-57-4-8-052715	5/27/15	0752	C	SO		4			1	1	1	1	
03	SB-57-8-12-052715	5/27/15	0800	C	SO		4			1	1	1	1	
04	SB-57-12-16-052715	5/27/15	0808	C	SO		4			1	1	1	1	
05	SB-57-16-20-052715	5/27/15	0821	C	SO		4			1	1	1	1	
06	SB-58-0-4-052715	5/27/15	0840	C	SO		2			1	1	1	1	Katie @ Agawam said
07	SB-58-4-8-052715	5/27/15	0849	C	SO		2			1	1	1	1	8oz TOTAL IS ~~ENOUGH~~ FOR
08	SB-58-8-12-052715	5/27/15	0856	C	SO		2			1	1	1	1	THE 4 ANALYSES PER
09	SB-58-12-16-052715	5/27/15	0908	C	SO		2			1	1	1	1	SAMPLE.
10	SB-58-16-20-052715	5/27/15	0921	C	SO		2			1	1	1	1	

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	5/28/15	1033	1.7
[signature]	[signature]	5-29-15	806	-1
[signature]	[signature]	05/29/15	12:00	1.4
				0.2

☑ EDD Format NYSDEC EQuIS
☑ E-mail to PICUNASAE@COMSMITH.COM
REEPMEYERKM@COMSMITH.COM

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.0°C IR

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 4

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: AMY PICUNAS
CDMSMITH
11 BRITISH AMERICAN BLVD
LATHAM, NY 12110
Telephone #: 518-782-4500
Project Mgr: NANCY STRUZENSKI

Invoice To: AMY PICUNAS
P.O No.: 91667 Quote/RQN: _____

Project No: 91667
Site Name: BCP PARCEL 4
Location: BUFFALO State: NY
Sampler(s): K. REEPMEYER
J. STUART

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

Page 4 of 4

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: REACTIVE CN	TOTAL CN	TAL METALS	SVOCS	Check if chlorinated
11	BUP-01-052715	5/27/15	0926	C	SO		2			1	1	1	1	☐
12	SB-59-0-4-052715	5/27/15	0948	C	SO		2			1	1	1	1	☐
13	SB-59A-8-12-052715	5/27/15	1051	C	SO		2			1	1	1	1	☐
14	SB-59A-12-16-052715	5/27/15	1105	C	SO		2			1	1	1	1	☐
15	SB-59A-16-20-052715	5/27/15	1121	C	SO		2			1	1	1	1	☐
16	SB-60-0-4-052715	5/27/15	1217	C	SO		2			1	1	1	1	☐
17	SB-57-0-4-MS-052715	5/27/15	0746	C	SO		1			1	1	1	1	☐
18	SB-57-0-4-MSD-052715	5/27/15	0746	C	SO		1			1	1	1	1	☐
17	SB-61-0-4-052715	5/27/15	1412	C	SO		1			1	1	0	0	☐
18	SB-61-4-7-052715	5/27/15	1420	C	SO		2			1	1	1	1	☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
		5/28/15	1033
		5-28-15	800
		05/29/15	12:00

Temp °C: Observed 1.4; Correction Factor -1; Corrected 4; IR ID # U2

☑ EDD format: NYSDEC EQUIS
☑ E-mail to: PICUNASAE@CDMSMITH.COM
REEPMEYERKM@CDMSMITH.COM

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.0°C IR

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 4

Special Handling:
- ☑ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: AMY PICUNAS
COM SMITH
11 BRITISH AMERICAN BLVD
LATHAM, NY 12110
Telephone #: 518-782-4500
Project Mgr: NANCY STRUZENSKI

Invoice To: AMY PICUNAS

P.O No.: 91667 Quote/RQN: _____

Project No: 91667
Site Name: BLCP PARCEL 4
Location: BUFFALO NY State: NY
Sampler(s): K. REEAMEYER
J. STUART

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID: WJ4		Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: REACTIVE CN	TOTAL CN	TAL METALS	SVOCs	Check if chlorinated
19	21	SB-61A-0-4-052715	5/27/15	1442	C	SO		2			1	1	1	1	☐
20	22	SB-61A-4-8-052715	5/27/15	1445	C	SO		2			1	1	1	1	☐
21	23	SB-61A-8-12-052715	5/27/15	1450	C	SO		2			1	1	1	1	☐
22	24	SB-61A-12-16-052715	5/27/15	1455	C	SO		2			1	1	1	1	☐
23	25	SB-61A-16-20-052715	5/27/15	1500	C	SO		2			1	1	1	1	☐
24	26	SB-62-0-4-052715	5/27/15	1520	C	SO		2			1	1	1	1	☐
25	27	SB-62-4-8-052715	5/27/15	1530	C	SO		2			1	1	1	1	☐
26	28	SB-62-8-12-052715	5/27/15	1533	C	SO		2			1	1	1	1	☐
27	29	DUP-02-052715	5/27/15		C	SO		2			1	1	1	1	☐
28	30	SB-62-12-16-052715	5/27/15	1537	C	SO		2			1	1	1	1	☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
		5/28/15	1033	Observed 1.4
		5-29-15	800	Correction Factor -1
		05/29/15	12:00	Corrected 1.4
				IR ID # 02

☑ EDD format: NYSDEC EQuIS
☑ E-mail to: ACUNASHE@COMSMITH.COM
REEAMEYERKM@COMSMITH.COM

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.0°C IR

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 4 of 4

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: AMY PICUNAS
COM SMITH
11 BRITISH AMERICAN BLVD
LATHAM, NY 12110
Telephone #: 518-782-4500
Project Mgr: NANCY STRUZENSKI

Invoice To: AMY PICUNAS

P.O No.: 916167 Quote/RQN: _____

Project No: 916167
Site Name: BLCP PARCEL 4
Location: BUFFALO State: NY
Sampler(s): K. REEPMEYER
J. STUART

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

PO 987

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Containers: REACTIVE CN	Analysis: TOTAL CN	Analysis: TAL METALS	Analysis: SVOCS	Check if chlorinated
28	SB-62-12-16MS-052715	5/27/15	1537	C	SO		2			1	1	1	1	☐
28	SB-62-12-16MSD-052715	5/27/15	1537	C	SO		2			1	1	1	1	☐
29	SB-62-16-20-052715	5/27/15	1540	C	SO		2			1	1	1	1	☐
														☐
														☐
														☐
														☐
														☐
														☐
														☐

K. Reepmeyer 5/27/15

K. Reepmeyer 5/27/15

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
		5/28/15	1033	Observed 1.4
		5-29-15	800	Correction Factor -1
		05/29/15	12:00	Corrected 1.4
				IR ID # 10

☑ EDD format: NYSDEC EQuIS
☐ E-mail to: PICUNASAE@COMSMITH.COM
REEPMEYERKM@COMSMITH.COM

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.0°C IR

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: WJL	Page 01 of 01
Reviewed By:	Log-in Date 05/29/2015
Work Order: P0987	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s)	Present / Absent
	Intact / Broken
2. Custody Seal Nos.	N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present / Absent
4. Airbill	AirBill / Sticker
	Present / Absent
5. Airbill No.	Courier N/A
6. Sample Tags	Present / Absent
Sample Tag Numbers	Listed / Not Listed on Chain-of-Custody
7. Sample Condition	Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle	Present / Absent
9. Cooler Temperature	2.0 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	05/29/2015
12. Time Received	12:00

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
P0987-01							
P0987-02							
P0987-03							
P0987-04							
P0987-05							
P0987-06							
P0987-07							
P0987-08							
P0987-09							
P0987-10							
P0987-11							
P0987-12							
P0987-13							
P0987-14							
P0987-15							
P0987-16							
P0987-17							
P0987-18							
P0987-19							
P0987-20							
P0987-21							
P0987-22							
P0987-23							
P0987-24							
P0987-25							
P0987-26							
P0987-27							
P0987-28							
P0987-29							

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form Yes / No

Rad OK Yes / No

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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of ~~2~~ 5

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Amy PICUNAS
11 BRITISH AMERICAN BLVD
LATHAM, NY 12110

Telephone #: 518-782-4500
Project Mgr: NANCY STRUZENSKI

Invoice To: ←

P.O No.: ~~tbl~~ 91667 Quote/RQN: _____

Project No: 91667
Site Name: BCP PARCEL C1
Location: BUFFALO State: NY
Sampler(s): J. STUART

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

P0990 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Reactive CN	Total CN	TAL Metals	SVOCs	Check if chlorinated
01	SB-69-0-4-052815	5/28/15	1528	C	SO		4			1	1	1	1	☐
02	SB-69-4-8-052815		1535				4			1	1	1	1	☐
03	SB-69-8-12-052815		1546				4			1	1	1	1	☐
04	SB-69-12-16-052815		1556				4			1	1	1	1	☐
05	DUP-05-052815						1			1				☐
06	SB-69-16-20-052815		1604				4			1	1	1	1	☐
07	SB-68-16-20-052815		1452				4			1	1	1	1	☐
08	SB-68-12-16-052815		1442				4			1	1	1	1	☐
09	SB-68-8-12-052815		1434				4			1	1	1	1	☐
10	SB-68-4-8-052815		1427				4			1	1	1	1	☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
K. Reepmeyer		05/30/15	09:40	Observed 2.1c, 1.1c
				Correction Factor 1.5c
				Corrected
				IR ID #

☑ EDD format: EQUIS NYSDEC
☑ E-mail to: PICUNASAE@CDMSMITH.COM
REEPMEYERKM@CDMSMITH.COM

Condition upon receipt: Custody Seals: ☑ Present ☑ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of ~~17~~

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: _____

Telephone #: _____

Project Mgr: _____

Invoice To: _____

P.O No.: _____ Quote/RQN: _____

Project No: _____

Site Name: _____

Location: _____ State: _____

Sampler(s): _____

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

D0990 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Reactive CN	Total CN	TAL Metals	SVOCs	Check if chlorinated
11	SB-66-0-4-052815	5/28/15	1200	C	SO		4			1	1	1	1	☐
12	SB-66-4-8-052815		1206				4			1	1	1	1	☐
13	SB-65-12-16-052815		1050				4			1	1	1	1	☐
14	SB-65-16-20-052815		1102				4			1	1	1	1	☐
15	SB-66-8-12-052815		1215				1			1				☐
16	SB-66-12-16-052815		1220				4			1	1	1	1	☐
17	SB-66-16-20-052815		1225				4			1	1	1	1	☐
18	SB-65-8-12-052815		1045				1			1				☐
19	SB-65-4-8-052815		1040				4			1	1	1	1	☐
20	SB-65-0-4-052815		1034				4			1	1	1	1	☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
		05/30/15	09:40	Observed 2.1c, 1.1c°
				Correction Factor 1.5c
				Corrected
				IR ID #

☐ EDD format: _____

☐ E-mail to: _____

Condition upon receipt: Custody Seals: ☑ Present ☑ Intact ☐ Broken

☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 7&8T

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: _____

Invoice To: _____

Project No: _____

Site Name: _____

Location: _____ State: _____

Telephone #: _____

Project Mgr: _____

P.O No.: _____ Quote/RQN: _____

Sampler(s): _____

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

Po990 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Reactive CN	Total CN	TAL Metals	SVOCs	Check if chlorinated
21	SB-68-04-052815	5/28/15	1420	C	SO		4			1	1	1	1	☐
22	SB-67-16-20-052815		1321				4			1	1	1	1	☐
23	DUP-04-052815						1			1				☐
24	SB-67-12-16-052815		1318				4			1	1	1	1	☐
25	SB-67-8-12-MS-052815		1313				4			1	1	1	1	☐
25	SB-67-8-12-MSD-052815		1313				4			1	1	1	1	☐
25	SB-67-8-12-052815		1313				4			1	1	1	1	☐
26	SB-67-4-8-052815		1306				4			1	1	1	1	☐
27	DUP-03-052815						1			1				☐
28	SB-67-0-4-052815		1300				4			1	1	1	1	☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
		05/30/15	09:40	Observed 2.1°C, 1.1°C
				Correction Factor 1.5°C #R
				Corrected
				IR ID #

☐ EDD format: _____

☐ E-mail to: _____

Condition upon receipt: Custody Seals: ☑ Present ☑ Intact ☐ Broken

☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 7

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: _____

Invoice To: _____

Project No: _____

Site Name: _____

Location: _____ State: _____

Sampler(s): _____

Telephone #: _____

Project Mgr: _____

P.O No.: _____ Quote/RQN: _____

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

PO990 G= Grab C=Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Reactive CN	Total CN	TAL Metals	SVOCs	Check if chlorinated
29	SB-64A-16-20-052815	5/28/15	1009	C	SO		4			1	1	1	1	☐
30	SB-64A-12-16-052815		1004				4			1	1	1	1	☐
31	SB-64A-8-12-052815		0949				4			1	1	1	1	☐
32	SB-64A-4-8-052815		0942				4			1	1	1	1	☐
33	SB-64A-0-4-052815		0932				4			1	1	1	1	☐
34	SB-64-0-4-052815		0903				4			1	1	1	1	☐
35	SB-63-0-4-052815		0755				2			1	1	1	1	☐
36	SB-63-4-8-052815		0801				2			1	1	1	1	☐
37	SB-63-8-12-052815		0804				2			1	1	1	1	☐
38	SB-63-12-16-052815		0810				2			1	1	1	1	☐

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
		05/30/15	09:40	Observed 2.1°C, 1.1°C
				Correction Factor 1.5°C IR
				Corrected
				IR ID #

☐ EDD format: _____

☐ E-mail to: _____

Condition upon receipt: Custody Seals: ☑ Present ☑ Intact ☐ Broken

☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 007

Special Handling:

☐ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: _____

Telephone #: _____

Project Mgr: _____

Invoice To: _____

P.O No.: _____ Quote/RQN: _____

Project No: _____

Site Name: _____

Location: _____ State: _____

Sampler(s): _____

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1=_____ X2=_____ X3=_____

Page 90

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Reactive CN	Analysis: Total CN	TAL Metals	SVOCs	Check if chlorinated
39	SB-63-16-20-052815	5/28/15	0826	C	SO		4			1	1	1	1	☐
														☐
														☐
														☐
														☐
														☐
														☐
														☐
														☐
														☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
		05/30/15	09:40	Observed 2.1c, 1.1c
				Correction Factor 1.5c
				Corrected
				IR ID #

☐ EDD format: _____

☐ E-mail to: _____

Condition upon receipt: Custody Seals: ☑ Present ☑ Intact ☐ Broken

☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Page 6 of 7

CHAIN OF CUSTODY RECORD

☐ 11 Almgren Drive
Agawam, MA 01001
(413) 789-9018

☐ 8405 Benjamin Road, Ste A
Tampa, FL 33634
(813) 888-9507

☐ 646 Camp Avenue
N Kingstown, RI 02852
(401) 732-3400

Special Handling:

TAT- Ind icate Date Needed: STD

- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: _____

Telephone #: _____

Project Mgr. _____

Invoice To: _____

P.O. No.: _____ RQN: _____

Project No.: _____

Site Name: _____

Location: _____ State: _____

Sampler(s): _____

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= _____ 12= _____

List preservative code below:

QA/QC Reporting Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

QA/QC Reporting Level

☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: Reactive CN	Total CN	SVOC	TAL METALS					
46990																		
46	SB-70-04-052915	5/29/15	0753	C	SO		4			1	1	1	1					
41	SB-70-8-052915		0759							1	1	1	1					
42	SB-70-8-12-052915		0809							1	1							
43	SB-70-12-16-052915		0818							1	1	1	1					
44	SB-70-16-20-052915		0827							1	1	1	1					
45	SB-71-04-052915		0855							1	1	1	1					
46	SB-DUP-06-052915									1	1	1	1					
47	SB-71-4-8-052915		0901							1	1	1	1					
48	SB-DUP-07-052915									1	1	1	1					
49	SB-71-8-12-052915		0906							1	1	1	1					

Relinquished by:	Received by:	Date:	Time:	Temp°C
		05/29/15	09:40	2.1°c, 1.1°c
				1.5°c

☐ EDD Format _____

☐ E-mail to _____

Condition upon receipt: Custody Seals: ☑ Present ☐ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
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Page 7 of 7

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Special Handling:

TAT- Ind icate Date Needed: STD

- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: _____

Telephone #: _____

Project Mgr. _____

Invoice To: _____

P.O. No.: _____ RQN: _____

Project No.: _____

Site Name: _____

Location: _____ State: _____

Sampler(s): _____

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= _____ 12= _____

List preservative code below:

QA/QC Reporting Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Containers: # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic

Analyses: Reactive CN | Total CN | SVOCs | TAL METALS

QA/QC Reporting Level

☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other _____

State-specific reporting standards: _____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Reactive CN	Total CN	SVOCs	TAL METALS
S6	SB-71-12-16-052915	5/29/15	0916	C	SO		2			1	1	1	1
S1	SB-71-16-20-052915	↓	0926	↓	↓		↓			1	1	1	1
S2	SB-72-0-4-052915		1006							1	1	1	1
S3	SB-72-4-8-052915		1009							1	1	1	1
S4	SB-72-8-12-052915		1013							1	1	1	1
S5	SB-73-0-4-052915		1134							1	1	1	1
S6	SB-73-4-8-052915		1140							1	1	1	1
S7	SB-73-8-12-052915	↓	1147	↓	↓		↓			1	1	1	1

Relinquished by:	Received by:	Date:	Time:	Temp°C
		05/30/15	09:40	2.1°C, 1.1°C
				1.5°C

☐ EDD Format _____

☐ E-mail to _____

Condition upon receipt: Custody Seals: ☑ Present ☑ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: WJV	Page 01 of 02
Reviewed By: KP	Log-in Date 05/30/2015
Work Order: P0990	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent
   Intact / Broken
2. Custody Seal Nos. N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent
4. Airbill — AirBill / Sticker
   Present / Absent
5. Airbill No. FedEx 7807 3613 9444
6. Sample Tags — Present / Absent
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody
7. Sample Condition — Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle — Present / Absent
9. Cooler Temperature: 2.1 °C
10. Does information on TR/COCs and sample tags agree? — Yes / No
11. Date Received at Laboratory: 05/30/2015
12. Time Received: 09:40

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
P0990-01							
P0990-02							
P0990-03							
P0990-04							
P0990-05							
P0990-06							
P0990-07							
P0990-08							
P0990-09							
P0990-10							
P0990-11							
P0990-12							
P0990-13							
P0990-14							
P0990-15							
P0990-16							
P0990-17							
P0990-18							
P0990-19							
P0990-20							
P0990-21							
P0990-22							
P0990-23							
P0990-24							
P0990-25							
P0990-26							
P0990-27							
P0990-28							
P0990-29							
P0990-30							
P0990-31							
P0990-32							
P0990-33							
P0990-34							

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form — Yes / No

Rad OK — Yes / No

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By:	Page 01 of 01
Reviewed By:	Log-in Date 05/30/2015
Work Order: P0990	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent
   Intact / Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent
4. Airbill — AirBill / Sticker
   Present / Absent
5. Airbill No. — FedEx 7807 3613 9444
6. Sample Tags — Present / Absent
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody
7. Sample Condition — Intact / Broken/ Leaking
8. Cooler Temperature Indicator Bottle — Present / Absent
9. Cooler Temperature — 2.1 °C
10. Does information on TR/COCs and sample tags agree? — Yes / No
11. Date Received at Laboratory — 05/30/2015
12. Time Received — 09:40

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
P0990-35							
P0990-36							
P0990-37							
P0990-38							
P0990-39							
P0990-40							
P0990-41							
P0990-42							
P0990-43							
P0990-44							
P0990-45							
P0990-46							
P0990-47							
P0990-48							
P0990-49							
P0990-50							
P0990-51							
P0990-52							
P0990-53							
P0990-54							
P0990-55							
P0990-56							
P0990-57							

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil — A= Air
UA = Unpreserved Aqueous — H = HCl
M = MeOH — E = Encore
N = NaHSO4 — F = Freeze

See Sample Condition Notification/Corrective Action Form — Yes / No

Rad OK — Yes / No

Sample Condition Form

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CHAIN OF CUSTODY RECORD

Page 1 of 4

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: AMY PICUNAS
CDM SMITH
11 BRITISH AMERICAN BLVD
LATHAM, NY 12110
Telephone #: 518-782-4500
Project Mgr: NANCY STRUZENSKI

Invoice To: ←

P.O No.: 91667 Quote/RQN: _____

Project No: 91667
Site Name: BLCP PARCEL 4
Location: BUFFALO State: NY
Sampler(s): K. REEPMEYER

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water STW=STORM WATER
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1=_____ X2=_____ X3=_____

Page 991

G= Grab C=Compsite

List Preservative Code below: 5 | | 4 | 5F | F | 4F

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TOTAL CN	SVOC TOTAL	TAL METALS	TOTAL CN	SVOC	TAL METALS	Check if chlorinated
01	CB-20-052815	5/28/15	0900	G	STW		1		2	1	1	1				☐
02	CB-20-F-052815		0910				1		2				1	1	1	☐
03	CB-21-052815		1050				1		2	1	1	1				☐
04	CB-21-F-052815		1100				1		2				1	1	1	☐
05	CB-22-052815		1135				1		2	1	1	1				☐
06	CB-22-F-052815		1145				1		2				1	1	1	☐
07	CB-23-052815		1215				1		2	1	1	1				☐
08	CB-23-F-052815		1225				1		2				1	1	1	☐
09	CB-18-052815		1250				1		2	1	1	1				☐
10	CB-18-F-052815	↓	1300	↓	↓		1		2				1	1	1	☐

Relinquished by:	Received by:	Date:	Time:
K. Reepmeyer		05/30/15	09:40

Temp °C
Observed: 3.4°C, 4.2°C
Correction Factor: 3.0°C, 3.3°C
Corrected: 1.2°C
IR ID #

☑ EDD format: NYSDEC EQUIS
☑ E-mail to: PICUNASAE@CDMSMITH.com
REEPMEYERKM@CDMSMITH.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
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Page 2 of 4

CHAIN OF CUSTODY RECORD

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☐ 8405 Benjamin Road, Ste A
Tampa, FL 33634
(813) 888-9507

☐ 646 Camp Avenue
N Kingstown, RI 02852
(401) 732-3400

Special Handling:

TAT- Ind icate Date Needed: STD

- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: _____

Telephone #: _____

Project Mgr. _____

Invoice To: _____

P.O. No.: _____ RQN: _____

Project No.: _____

Site Name: _____

Location: _____ State: _____

Sampler(s): _____

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= _____ 12= _____

List preservative code below: 5 | | 4 | 5F | F | 4F

QA/QC Reporting Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

P0991

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: TOTAL CN	SVOC	TAL METALS	TOTAL CN	SVOC	TAL METALS
11	CB-24-052815		1330	G	STW		1		2	1	1	1			
12	CB-24-F-052815		1340				1		2				1	1	1
13	CB-19-052815		1410				1		2	1	1	1			
14	CB-19-F-052815		1420				1		2				1	1	1
15	CB-25-052815		1430				1		2	1	1	1			
16	CB-25-F-052815		1440				1		2				1	1	1
17	CB-12-052815		1450				1		3	1	1	1			
18	CB-DUP-01-052815						1		2	1	1	1			
19	CB-12-F-052815		1500				1		2				1	1	1

KRaftmeyer

QA/QC Reporting Level

☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other _____

State-specific reporting standards: _____

Relinquished by:	Received by:	Date:	Time:	Temp°C

☑ EDD Format _____

☑ E-mail to _____

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
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Page 3 of 4

CHAIN OF CUSTODY RECORD

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Special Handling:

TAT- Ind icate Date Needed: STD

- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: _____

Telephone #: _____

Project Mgr. _____

Invoice To: _____

P.O. No.: _____ RQN: _____

Project No.: _____

Site Name: _____

Location: _____ State: _____

Sampler(s): _____

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= _____ 12= _____

List preservative code below: 5 | | 4 | 5F | F | 4F

QA/QC Reporting Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

P0991

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: TOTAL CN	SVOC	TAL METALS	TOTAL CN	SVOC	TAL METALS
20	CB-26-052915	5/29/15	0800	G	SW		1		2	1	1	1			
20	CB-26-MS-052915		0805							1	1	1			
20	CB-26-MSD-052915		0810							1	1	1			
21	CB-26-F-052915		0815										1	1	1
22	CB-27-052915		0835							1	1	1			
23	CB-27-F-052915		0840										1	1	1
24	CB-DUP-01-052915												1	1	1
25	CB-28-052915		0940							1	1	1			
26	CB-DUP-02-052915									1	1	1			
27	CB-28-F-052915		0950										1	1	1

QA/QC Reporting Level

☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other _____

State-specific reporting standards: _____

Relinquished by:	Received by:	Date:	Time:	Temp°C

☑ EDD Format _____

☑ E-mail to _____

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

Page 4 of 4

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☐ 646 Camp Avenue
N Kingstown, RI 02852
(401) 732-3400

Special Handling:

TAT- Ind icate Date Needed: STD.

- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: _____

Telephone #: _____

Project Mgr. _____

Invoice To: _____

P.O. No.: _____ RQN: _____

Project No.: _____

Site Name: _____

Location: _____ State: _____

Sampler(s): _____

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= _____ 12= _____

List preservative code below:

5		4	5F	F	4F		

QA/QC Reporting Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

P0991

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: TOTAL CN	SVOC	TAL METALS	TOTAL CN	SVOC	TAL METALS
28	CB-29-052915	5/29/15	1025	G	SW		1		2	1	1	1			
29	CB-29-F-052915	↓	1030	↓	↓		↓		↓				1	1	1
29 30	CB-29-F-MS-052915		1035										1	1	1
29 31	CB-29-F-MSD-052915		1040										1	1	1

K Reagan 5/29/15

QA/QC Reporting Level

☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other _____

State-specific reporting standards:

_____

Relinquished by:	Received by:	Date:	Time:	Temp°C

☑ EDD Format _____

☐ E-mail to _____

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: WJC	Page 01 of 01
Reviewed By: KP	Log-in Date 05/30/2015
Work Order: P0991	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s)	Present / Absent
	Intact / Broken
2. Custody Seal Nos.	N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present / Absent
4. Airbill	AirBill / Sticker
	Present / Absent
5. Airbill No.	FedEx 7807 3483 6279
6. Sample Tags	Present / Absent
Sample Tag Numbers	Listed / Not Listed on Chain-of-Custody
7. Sample Condition	Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle	Present / Absent
9. Cooler Temperature	4.2 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	05/30/2015
12. Time Received	09:40

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
P0991-01	<2			>12			
P0991-02	<2			>12			
P0991-03	<2			>12			
P0991-04	<2			>12			
P0991-05	<2			>12			
P0991-06	<2			>12			
P0991-07	<2			>12			
P0991-08	<2			>12			
P0991-09	<2			>12			
P0991-10	<2			>12			
P0991-11	<2			>12			
P0991-12	<2			>12			
P0991-13	<2			>12			
P0991-14	<2			>12			
P0991-15	<2			>12			
P0991-16	<2			>12			
P0991-17	<2			>12			
P0991-18	<2			>12			
P0991-19	<2			>12			
P0991-20	<2			>12			
P0991-21	<2			>12			
P0991-22	<2			>12			
P0991-23	<2			>12			
P0991-24	<2			>12			
P0991-25	<2			>12			
P0991-26	<2			>12			
P0991-27	<2			>12			
P0991-28	<2			>12			
P0991-29	<2			>12			

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form Yes / No

Rad OK Yes / No

Chain of Custody Record

1 of 4

Alloway
Your Resource for Defensible Data

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement.

- 1101 North Cole Street, Lima, OH 45805 (P) 419-223-1362 (F) 419-227-3792
- 1776 Marion-Waldo Road, Marion OH 43302 (P) 740-389-5991 (F) 740-389-1481
- 1502 West Fourth Street, Mansfield, OH 44906 (P) 419-525-1644 (F) 419-524-5575

Report To:
Name: AMY PICUNAS
Company: CDM SMITH
Address: 11 BRITISH AMERICAN BLVD LATHAM, NY 12110

Invoice To (If Different):
Name:
Company:
Address:

Notes/Comments: NYSDEC EQUIS EDD

Phone #: 518-782-4500 Fax #:
E-mail: PICUNASAC@CDMSMITH.COM PO#: 916067

Project Name: BLCP PARCEL 4
Sampler: K. REEPMEYER (Print) K. Reepmeyer (Signature)

Turnaround: *(Rush Charges May Apply)*
Next Day ☐ 3 Working Days ☐ Routine ☑
2 Working Days ☐ 5 Working Days ☐

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Composite	Grab	Matrix Code	Number of Containers	Preservation Code #	Analysis Required	Alloway LIMS # For Lab Use Only
1	CB-29-052815	5/28/15	1705		✓	W	1	5	FREECN	
2	CB-29-F-052815		1710		✓		1			
3	CB-28-052815		1650		✓		1			
4	CB-28-F-052815		1655		✓		1			
5	CB-27-052815		1640		✓		1			
6	CB-27-F-052815		1645		✓		1			
7	CB-26-052815		1600		✓		1			
8	CB-26-F-052815		1620		✓		1			

	Relinquished by:	Received by:	Date	Time
1	K. Reepmeyer			
2				
3				
4				
5				
6				

Received for Laboratory By: (circle one): Mansfield Lima Marion
(Signature)

Method of Delivery: UPS ☐ Fed Ex ☑ Client ☐ Alloway Pick Up ☐ Alloway Sampling ☐ Other ☐

Matrix Codes: ww - wastewater; gw - groundwater; dw - drinking water; sw - surface water; w - water; oil - oil; s - solid; sg - sludge; l - leachate; a - acid; p - product; o - other

Preservation Codes: 1 - None; 2 - HNO_3; 3 - H_2SO_4; 4 - HCl; 5 - NaOH; 6 - NaOH & Zinc Acetate; 7 - Sodium Thiosulfate; 8 - Ascorbic Acid; 9 - Maleic Acid; 10 - EDA; 11 - Ammonium Chloride; 12 - $(NH_4)_2SO_4$ & NH_4OH; 13 - Zinc Acetate; 14 - Sodium Sulfite; 15 - Potassium Dihydrogen Citrate; 16 - Sodium Sulfite/Sodium Bisulfate

Sample Receiving *(For Lab Use Only)*
Ice Present? Y ☐ N ☐
Proper Preservation? Y ☐ N ☐
Container Temperature: _____

Transported to: Lima / Marion By: K. Reepmeyer Received By: _____ Date: _____ Time: _____

Transported to: Lima / Marion By: _____ Received By: _____ Date: _____ Time: _____

Chain of Custody Record

2 of 4

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement.

Alloway
Your Resource for Defensible Data

- 1101 North Cole Street, Lima, OH 45805
  (P) 419-223-1362 (F) 419-227-3792
- 1776 Marion-Waldo Road, Marion OH 43302
  (P) 740-389-5991 (F) 740-389-1481
- 1502 West Fourth Street, Mansfield, OH 44906
  (P) 419-525-1644 (F) 419-524-5575

Report To:	Invoice To (If Different):	Notes/Comments:
Name:	Name:	
Company:	Company:	
Address:	Address:	
Phone #:	Fax #:	
E-mail:	PO#:	
Project Name		Turnaround: (*Rush Charges May Apply*) Next Day ☐ 3 Working Days ☐ Routine ☑ 2 Working Days ☐ 5 Working Days ☐
Sampler (Print) (Signature)		

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Composite	Grab	Matrix Code	Number of Containers	Preservation Code #	Analysis Required	Alloway LIMS # For Lab Use Only
1	CB-26-MS-052815	5/28/15	1105		✓	W	1	5		
2	CB-26-MSD-052815		1110		✓		1			
3	CB-12-052815		1450		✓		1			
4	CB-12-F-052815		1500		✓		1			
5	CB-DUP-01-052815		"		✓		1			
6	CB-25-052815		1430		✓		1			
7	CB-25-F-052815		1440		✓		1			
8	CB-19-052815		1410		✓		1			

	Relinquished by:	Received by:	Date	Time
1	K. Poppenger			
2				
3				
4				
5				
6				
	Received for Laboratory By: (circle one): Mansfield Lima Marion (Signature)			

Method of Delivery

- UPS ☐
- Fed Ex ☑
- Client ☐
- Alloway Pick Up ☐
- Alloway Sampling ☐
- Other ☐

Matrix Codes:

- ww - wastewater
- gw - groundwater
- dw - drinking water
- sw - surface water
- w - water
- oil - oil
- s - solid
- sg - sludge
- l - leachate
- a - acid
- p - product
- o - other

Preservation Codes:

- 1 - None
- 2 - HNO_3
- 3 - H_2SO_4
- 4 - HCl
- 5 - NaOH
- 6 - NaOH & Zinc Acetate
- 7 - Sodium Thiosulfate
- 8 - Ascorbic Acid
- 9 - Maleic Acid
- 10 - EDA
- 11 - Ammonium Chloride
- 12 - $(NH_4)_2SO_4$ & NH_4OH
- 13 - Zinc Acetate
- 14 - Sodium Sulfite
- 15 - Potassium Dihydrogen Citrate
- 16 - Sodium Sulfite/Sodium Bisulfate

Sample Receiving (*For Lab Use Only*)

Ice Present? Y ☐ N ☐

Proper Preservation? Y ☐ N ☐

Container Temperature: _____

Transported to: Lima / Marion By: _____ Received By: _____ Date: _____ Time: _____

Transported to: Lima / Marion By: _____ Received By: _____ Date: _____ Time: _____

Chain of Custody Record

3 of 4

Alloway
Your Resource for Defensible Data

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement.

- 1101 North Cole Street, Lima, OH 45805
  (P) 419-223-1362 (F) 419-227-3792
- 1776 Marion-Waldo Road, Marion OH 43302
  (P) 740-389-5991 (F) 740-389-1481
- 1502 West Fourth Street, Mansfield, OH 44906
  (P) 419-525-1644 (F) 419-524-5575

Report To:	Invoice To (If Different):	Notes/Comments:
Name:	Name:	
Company:	Company:	
Address:	Address:	

Phone #: _____ Fax #: _____

E-mail: _____ PO#: _____

Project Name: _____

Sampler: _____ (Print) _____ (Signature)

Turnaround: (*Rush Charges May Apply*)
Next Day ☐ 3 Working Days ☐ Routine ☑
2 Working Days ☐ 5 Working Days ☐

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Composite	Grab	Matrix Code	Number of Containers	Preservation Code #	Analysis Required	Alloway LIMS # For Lab Use Only
1	CB-19-F-052815	5/28/15	1420		✓	W	1	5		
2	CB-24-052815		1330		✓		1			
3	CB-24-F-052815		1340		✓		1			
4	CB-18-052815		1250		✓		1			
5	CB-18-F-052815		1300		✓		1			
6	CB-23-052815		1215		✓		1			
7	CB-23-F-052815		1225		✓		1			
8	CB-22-052815		1135		✓		1			

	Relinquished by:	Received by:	Date	Time
1	K. Resplmeyer			
2				
3				
4				
5				
6				

Received for Laboratory By: (circle one): Mansfield Lima Marion

(Signature)

Method of Delivery
- UPS ☐
- Fed Ex ☑
- Client ☐
- Alloway Pick Up ☐
- Alloway Sampling ☐
- Other ☐

Matrix Codes:
- ww - wastewater
- gw - groundwater
- dw - drinking water
- sw - surface water
- w - water
- oil - oil
- s - solid
- sg - sludge
- l - leachate
- a - acid
- p - product
- o - other

Preservation Codes:

1 - None	7 - Sodium Thiosulfate	13 - Zinc Acetate
2 - HNO_3	8 - Ascorbic Acid	14 - Sodium Sulfite
3 - H_2SO_4	9 - Maleic Acid	15 - Potassium Dihydrogen Citrate
4 - HCl	10 - EDA	16 - Sodium Sulfite/Sodium Bisulfate
5 - NaOH	11 - Ammonium Chloride	
6 - NaOH & Zinc Acetate	12 - $(NH_4)_2SO_4$ & NH_4OH	

Sample Receiving
(For Lab Use Only)

Ice Present? Y ☐ N ☐

Proper Preservation? Y ☐ N ☐

Container Temperature: _____

Transported to: Lima / Marion By: _____ Received By: _____ Date: _____ Time: _____

Transported to: Lima / Marion By: _____ Received By: _____ Date: _____ Time: _____

Chain of Custody Record

Alloway
Your Resource for Defensible Data

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement.

4 of 4

- 1101 North Cole Street, Lima, OH 45805
  (P) 419-223-1362 (F) 419-227-3792
- 1776 Marion-Waldo Road, Marion OH 43302
  (P) 740-389-5991 (F) 740-389-1481
- 1502 West Fourth Street, Mansfield, OH 44906
  (P) 419-525-1644 (F) 419-524-5575

Report To:	Invoice To (If Different):	Notes/Comments:
Name:	Name:	
Company:	Company:	
Address:	Address:	
Phone #: ____ Fax #: ____		
E-mail: ____ PO#: ____		
Project Name		
Sampler (Print) (Signature)		

Turnaround: (*Rush Charges May Apply*)
Next Day ☐ 3 Working Days ☐ Routine ☑
2 Working Days ☐ 5 Working Days ☐

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Composite	Grab	Matrix Code	Number of Containers	Preservation Code #	Analysis Required	Alloway LIMS # For Lab Use Only
1	CB-22-F-052815	5/28/15	1145		✓	W	1	5		
2	CB-21-052815	↓	1050		✓	↓	1	↓		
3	CB-21-F-052815		1100		✓		1			
4	CB-20-052815		0900		✓		1			
5	CB-20-F-052815		0910		✓		1			
6	X Reapmeyer 5/28/15									
7										
8										

	Relinquished by:	Received by:	Date	Time
1	K. Reapmeyer			
2				
3				
4				
5				
6				
	Received for Laboratory By: (circle one): Mansfield Lima Marion (Signature)			

Method of Delivery: UPS ☐ Fed Ex ☑ Client ☐ Alloway Pick Up ☐ Alloway Sampling ☐ Other ☐

Matrix Codes: ww - wastewater; gw - groundwater; dw - drinking water; sw - surface water; w - water; oil - oil; s - solid; sg - sludge; l - leachate; a - acid; p - product; o - other

Preservation Codes: 1 - None; 2 - HNO_3; 3 - H_2SO_4; 4 - HCl; 5 - NaOH; 6 - NaOH & Zinc Acetate; 7 - Sodium Thiosulfate; 8 - Ascorbic Acid; 9 - Maleic Acid; 10 - EDA; 11 - Ammonium Chloride; 12 - $(NH_4)_2SO_4$ & NH_4OH; 13 - Zinc Acetate; 14 - Sodium Sulfite; 15 - Potassium Dihydrogen Citrate; 16 - Sodium Sulfite/Sodium Bisulfate

Sample Receiving (*For Lab Use Only*)
Ice Present? Y ☐ N ☐
Proper Preservation? Y ☐ N ☐
Container Temperature: ____

Transported to: Lima Marion By: ____ Received By: ____ Date: ____ Time: ____

Transported to: Lima Marion By: ____ Received By: ____ Date: ____ Time: ____

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TAL-4124 (1007)

Client: CDMSMITH	Project Manager: Amy Picunas	Date: 8/27/15	Chain of Custody Number: 277707
Address: 11 British American Blvd	Telephone Number (Area Code)/Fax Number: 518-782-4300	Lab Number:	Page 1 of 2
City: Latham / State: NY / Zip Code: 12110	Site Contact: Eric Rosenzweig	Lab Contact:	
Project Name and Location (State): BLCP	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Analysis (Attach list if more space is needed): TcNorm; ISO UR; GR Alpha Total UR/TH

Special Instructions/ Conditions of Receipt: NYS DECED

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH
SB-85-0-10-20150826	8/26/15	9:10				X						
SB-85 MS	8/26/15	9:10				X						
SB-85 MSD	8/26/15	9:10				X						
SB-89-0-12-20150826	8/26/15	10:00				X						
SB-92-0-10-20150826	8/26/15	11:35				X						
SB-91-0-10-20150826	8/26/15	13:10				X						
DUP 2	8/26/15					X						
SB-97-0-10-20150826	8/26/15	13:45				X						
SB-93-0-10-20150826	8/26/15	14:25				X						
SB-90-0-10-20150826	8/26/15	15:04				X						
SB-98-0-10-20150826	8/26/15	15:50				X						
SB-84-0-10-20150826	8/26/15	15:50				X						

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	8/27/15	10:50	1. Received By	8/27/15	10:50
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDMSMITH	Amy Picuno	8/27/15	277708
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
11 British American Blvd.	518-782-4500		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110	Eric Rosenzweig		
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TENORM	ISO UR	GR AlPha	TOTAL U+TH
SB-88-0-8-20150825	8/25/15	1443				X							X	X	X	X
SB-83-0-12-20150825	8/25/15	1350				X							X	X	X	X
SB-87-0-12-20150826	8/26/15	10:45				X							X	X	X	X
SB-88 (U) (SD)	8/25/15	1443				X							X	X	X	X
SB-95-0-10-20150827	8/27/15	7:55				X							X	X	X	X
SB-94-0-10-20150827	8/27/15	8:40				X							X	X	X	X
SB-96-0-10-20150827	8/27/15	9:55				X							X	X	X	X
SB-86-0-8.5-20150827	8/27/15	10:45				X							X	X	X	X

Special Instructions/ Conditions of Receipt: NYSDEC EDD

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	8/27/15	10:50	1. Received By	8/27/15	10:50
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	A Pinnas	8/25/14	277706
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd	518 782-4500		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TEMORM	ISO UR	GR ALPHA	TOTAL UR KTH	Special Instructions/ Conditions of Receipt
SB-82-D-16-20150824	8/24/15	1640				X							X	X	X	X	NYSDEC EDD
SB-79-D-8-20150825	8/25/15	805				X							X	X	X	X	
SB-76-D-8-20150825	8/25/15	1105				X							X	X	X	X	
SB-81-D-6-20150825	8/25/15	1145				X							X	X	X	X	
SB-78-D-14-20150825	8/25/15	935				X							X	X	X	X	
SB-DUP1-20150825	8/25/15					X							X	X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	8/25/15	1200	1. Received By TA BUFFALO	8/25/15	1200
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Picinas	08/24/15	277705
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page _____ of _____**
11 British American	518-782-4550 / 518-782-4526		
City	**State**	**Zip Code**	**Site Contact**	**Lab Contact**
Latham	NY	12110		
Project Name and Location (State)	**Carrier/Waybill Number**
BLCP	
Contract/Purchase Order/Quote No.	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: TENORM	ISO. UR.	GR ALPHA	TOTAL U/Th
SB-80-0-3.6-20150824	8/24/15	1000				X							X	X	X	X
SB-75-0-3.5-20150824	8/24/15	1124				X							X	X	X	X
SB-77-0-9-20150824	8/24/15	1340				X							X	X	X	X
SB-74-0-14-20150824	8/24/15	1455				X							X	X	X	X

Special Instructions/ Conditions of Receipt

NYS DEC EDD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	08/24/15	1515	1. Received By	8/24/15	1515
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Picunas / Heide Dudek (NYSDEC)	10/12/15	292031
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
11 British American Blvd.	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110		Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park Parcel 4			
Contract/Purchase Order/Quote No.			
91667 (CDM) / 915193A (NYSDEC)			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270C	TOTAL CN 9012	THL M. 60108	Free CN 1016
SB-74-0-4-101215	10/12/15	910				X	3						X	X	X	X
SB-74-4-8-101215	10/12/15	932				X	3						X	X	X	X
SB-74-8-12-101215	10/12/15	1006				X	3						X	X	X	X
SB-DUP-1-101215	10/12/15	1006				X	3						X	X	X	X
SB-74-12-16-101215	10/12/15	1126				X	3						X	X	X	X
SB-74-16-20-101215	10/12/15	1136				X	3						X	X	X	X
SB-75-0-4-101215	10/12/15	1403				X	3						X	X	X	X
SB-75-4-8-101215	10/12/15	1428				X	3						X	X	X	X
SB-75-8-12-101215	10/12/15	1439				X	3						X	X	X	X
SB-75-12-16-101215	10/12/15	1449				X	3						X	X	X	X
SB-75-16-20-101215	10/12/15	1518				X	3						X	X	X	X

480-88934 Chain of Custody

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
LIA ESTRADA	10/12/15	1900	[signature] HABUFFALO	10/12/15	1910
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

20 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith – NYSDEC	Amy Dichas – Heide Dudek		292033
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
11 British American Blvd.	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110	LIA ESTRADA 370		
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park Parcel 4			
Contract/Purchase Order/Quote No.			
91667 (CDM) – 915193A (DEC)			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TAL M. 6010C	pH – 9045D
SS-72-101315	10/13/15	1400				X	2						X	X
SS-73-101315	10/13/15	1416				X	2						X	X
SS-74-101315	10/13/15	1433				X	2						X	X
SS-75-101315	10/13/15	1441				X	2						X	X
SS-MS-101315	10/13/15	1441				X	2						X	X
SS-MSD-101315	10/13/15	1441				X	2						X	X
SS-76-101315	10/13/15	1504				X	2						X	X
SS-77-101315	10/13/15	1510				X	2						X	X

Special Instructions/ Conditions of Receipt

480-89011 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	LIA ESTRADA	10/13/15	1614		10/13/15	16:18
2.		10/13/15	16:50		10/13/15	1650
3.						

Comments

Temp 5.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith - NYSDEC	Amy Piconas - Heide Dudek	10/13/15	292032
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd.	518-782-4526		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park Parcel 4			
Contract/Purchase Order/Quote No.			
91667 (COM) - 915193A			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	Tot. CN 9012B	Free CN 9016	TAL metals 6010	pH 9045D
SB-76-0-4-101315	10/13/15	903				X	3						X	X	X	X	
SB-76-04-8-101315	10/13/15	922				X	3						X	X	X	X	
SB-76-8-12-101315	10/13/15	935				X	3						X	X	X	X	
SB-76-12-16-101315	10/13/15	953				X	3						X	X	X	X	
SB-76-16-20-101315	10/13/15	1010				X	3						X	X	X	X	
SB-MS-101315	10/13/15	1010				X	3						X	X	X	X	
SB-MSD-101315	10/13/15	1010				X	3						X	X	X	X	

Special Instructions/ Conditions of Receipt

480-89012 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: LIA ESTRADA	10/13/15	1614
2. Relinquished By: [signature]	10/13/15	16:50
3. Relinquished By:		

	Date	Time
1. Received By: [signature]	10/13/15	16:18
2. Received By: [signature]	10/13/15	1650
3. Received By:		

Comments:
Temp 5.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith - NYS DEC	Amy Picunas	10/14/15	292034
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd.	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park Panel 4			
Contract/Purchase Order/Quote No.			
91667			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TAL M. 6010	TOTAL CN 9012	SVOC 8270D
TP-02-101415	10/14/15	1015		X			2		1		1		X	X	X
TP-02-F-101415	10/14/15	1020		X			2		1		1		X	X	X
TP-03-101415	10/14/15	1300		X			2		1		1		X	X	X
TP-03-~~10~~F-101415	10/14/15	1312		X			2		1		1		X	X	X
TP-04-101415	10/14/15	1505		X			2		1		1		X	X	X
TP-04-F-101415	10/14/15	1515		X			2		1		1		X	X	X
FB-101415	10/14/15	1556		X			2		1		1		X	X	X

Special Instructions/ Conditions of Receipt

480-89110 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Lia Estrada	10/14/15	1602
2. Relinquished By: Joy Loyless	10/14/15	16:36
3. Relinquished By:	Date	Time
1. Received By: Joy Loyless	10/14/15	16:02
2. Received By: Drew Kow	10/14/15	1636
3. Received By:	Date	Time

Comments

Temp 3.7 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAme

THE LEADER IN ENVIRONM

480-89238 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Amy Pickens – CDM Smith	Amy Pickens	10/15/15	292035
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
11 British American Blvd.	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park, Buffalo NY.			
Contract/Purchase Order/Quote No.			
71667			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOC, 8270D	TAL Metals 6010C	Total CN 9012B	Special Instructions/ Conditions of Receipt
TP-05-101515	10/15/15	940		X			2		1		1		X	X	X	
TP-05-F-101515	"	952		X			2		1		1		X	X	X	
TP-06-101515	"	1200		X			2		1		1		X	X	X	
TP-06-F-101515	"	1210		X			2		1		1		X	X	X	
TP-DUP-01-101515	"	945		X			2		1		1		X	X	X	
TP-14-101515	"	1445		X			2		1		1		X	X	X	
TP-MS-01-101515	"	1445		X			2		1		1		X	X	X	
TP-MSD-01-101515	"	1445		X			2		1		1		X	X	X	
TP-14-F-101515	"	1505		X			2		1		1		X	X	X	
FB-101515	"	1627		X			2		1		1		X	X	X	

Possible Hazard Identification

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	LIA ESTRADA	10/15/15			10/16/15	16:40
2.	Jay Sylvia	10/16/15	17:17		10/15/15	1717
3.						

Comments

3.0, 3.6 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Pidnas - Heide Dudek	10/16/15	292036
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
11 British American Blvd.	518-782-9526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park, NY			
Contract/Purchase Order/Quote No.			
91667			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL Metals 6010C
CB-12-101615	10/16/15	1240		X			2		1				X	X
CB-12-F-101615	10/16/15	1240		X			2		1				X	X
CB-DUP-01-101615	10/16/15	1240		X			2		1				X	X
CB-26-101615	10/16/15	1347		X			2		1				X	X
CB-26-F-101615	10/16/15	1347		X			2		1				X	X
CB-27-101615	10/16/15	1220		X			2		1				X	X
CB-27-F-101615	10/16/15	1223		X			2		1				X	X
CB-28-101615	10/16/15	1323		X			2		1				X	X
CB-28-F-101615	10/16/15	1326		X			2		1				X	X
FB-101615	10/16/15	1440		X			2		1				X	X

Special Instructions/ Conditions of Receipt

480-89318 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10/16/15	15:00	1. Received By	10/16/15	15:00
2. Relinquished By	10/16/15	15:30	2. Received By	10/16/15	15:30
3. Relinquished By			3. Received By		

Comments

4.1 °C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy DiCuno	10/19/15	292037
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd.	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOC 8270D	TAL Met. 6010C	TOTAL CN 9012B
TP-11-101915	10/19/15	1325					2		1		1		X	X	X
TP-11-F-101915	10/19/15	1335					2		1		1		X	X	X
TP-DUP-02-101915	10/19/15	1335					2		1		1		X	X	X
TP-13-101915	10/19/15	1255					2		1		1		X	X	X
TP-13-F-101915	10/19/15	1305					2		1		1		X	X	X
TP-15-101915	10/19/15	1545					2		1		1		X	X	X
TP-15-F-101915	10/19/15	1550					2		1		1		X	X	X
FB-101915	10/19/15	1600					2		1		1		X	X	X

Special Instructions/ Receipt

480-89389 Chain of Custody

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: LIA ESTRADA	10/19/15	1631	1. Received By	10/19/15	1631
2. Relinquished By	10/19/15	17:05	2. Received By	10/19/15	1705
3. Relinquished By			3. Received By		

Comments

U.U.E.

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Picunas	10/20/15	292038
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 11210			
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8270 SVOCs	TAL (Metals) 6010	TCN 9012
MW-405-102015	10/20/15	~~1125~~ 840		X			2		1		1		X	X	X
MW-405-F-102015	"	~~1130~~ 845		X			2		1		1		X	X	X
MW-404-102015	"	1125		X			2		1		1		X	X	X
MW-404-F-102015	"	1130		X			2		1		1		X	X	X
TP-08-102015	"	1440		X			2		1		1		X	X	X
TP-08-F-102015	"	1450		X			2		1		1		X	X	X
TP-MS-02-102015	"	1500		X			2		1		1		X	X	X
TP-MSD-02-102015	"	1500		X			2		1		1		X	X	X
TP-10-102015	"	920		X			2		1		1		X	X	X
TP-10-F-102015	"	930		X			2		1		1		X	X	X
~~TP-09-102015~~	"	1346		X			2		1		1		X	X	X
~~TP-09-F-102015~~	"	1353		X			2		1		1		X	X	X
FB-102015	"	1600		X			1		1		1		X	X	X

Special Instructions/ Conditions of Receipt

480-89476 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: LIA ESTRADA	10/20/15	1620
2. Relinquished By: [signature]	10/20/15	*1700
3. Relinquished By: [signature]		
1. Received By: [signature]	10/20/15	1620
2. Received By: [signature]	10/20/15	1700
3. Received By		

Comments

Temp 4.7 5.2 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmeri

THE LEADER IN ENVIRONMENTAL

480-89590 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Picunas	10/21/15	292040
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 3
11 British American Blvd.	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo, Lakeside Commerce Park (NY)			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL ME. 6010C	Special Instructions/ Conditions of Receipt
CB-29-102115	10/21/15	840		Y			2		1				X	Y	
CB-29-F-102115	"	845		Y			2		1				Y	Y	
CB-14-102115	"	930		Y			2		1				Y	Y	
CB-14-F-102115	"	933		Y			2		1				Y	Y	
CB-11-102115	"	1010		Y			2		1				Y	Y	
CB-11-F-102115	"	1013		Y			2		1				Y	Y	
CB-MS-01-102115	"	1020		Y			2		1				Y	Y	
CB-MSD-01-102115	"	1020		Y			2		1				Y	Y	
CB-10-102115	"	1130		Y			2		1				Y	Y	
CB-10-F-102115	"	1133		Y			2		1				Y	Y	
CB-19-102115	"	1200		Y			2		1				Y	Y	
CB-19-F-102115	"	1203		Y			2		1				Y	Y	

Possible Hazard Identification

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: LIA ESTRADA	10/21/15	1622	1. Received By:	10/21/15	16:22
2. Relinquished By:	10/21/15	17:00	2. Received By:	10/21/15	1700
3. Relinquished By:			3. Received By:		

Comments

#1 3.0, 3.2, 3.4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Address: Same	Telephone Number (Area Code)/Fax Number		Lab Number
City / State / Zip Code	Site Contact	Lab Contact	Page 2 of 3
Project Name and Location (State)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL Met. 6010C	Special Instructions/ Conditions of Receipt
CB-25-102115	~~10/21/15~~ 10/21/15	1240		X			2		1				X	X	
CB-25-F-102115	10/21/15	1243		X			2		1				X	X	
CB-24-102115	"	1335		X			2		1				X	X	
CB-24-F-102115	"	1338		X			2		1				X	X	
CB-23-102115	"	1410		X			2		1				X	X	
CB-23-F-102115	"	1413		X			2		1				X	X	
CB-DUP-02-102115	"	1413		X			2		1				X	X	
CB-08-102115	"	1435		X			2		1				X	X	
CB-08-F-102115	"	1438		X			2		1				X	X	
~~FB~~ FB-102115	"	1550		X			2		1				X	X	
CB-05-102115	"	855		X			2		1				X	X	
CB-05-F-102115	"	900		X			2		1				X	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: LIA ESTRADA	10/21/15	1622	1. Received By:	10/21/15	16:22
2. Relinquished By:	10/21/15	17:00	2. Received By:	10/21/15	1700
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments

#1 3.0, 3.2, 3.4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Same	Same	10/21/15	292041
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 3
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL Metal 6010C	Special Instructions/ Conditions of Receipt
CB-06-102115	10/21/15	1000		X			2		1				8	1	
CB-06-F-102115	11	1005		1			2		1				1	1	
CB-20-102115	11	1050		1			2		1				1	1	
CB-20-F-102115	11	1100		1			2		1				1	1	
CB-21-102115	11	1250		1			2		1				1	1	
CB-MS-02-102115	11	1300		1			2		1				1	1	
CB-MSD-02-102115	11	1300		1			2		1				1	1	
CB-21-F-102115	11	1310		1			2		1				1	1	
CB-18-102115	11	1400		1			2		1				1	1	
CB-18-F-102115	11	1410		1			2		1				1	1	
CB-22-102115	11	1445		1			2		1				1	1	
CB-22-F-102115	11	1450		1			2		1				1	1	

Analysis (Attach list if more space is needed)

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: GIA ESTRADA	10/21/15	1622	1. Received By:	10/21/15	16:22
2. Relinquished By:	10/21/15	17:00	2. Received By:	10/21/15	1700
3. Relinquished By:			3. Received By:		

Comments

#1 3.0, 3.2, 3.4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Picunko	10/22/15	292043
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 3**
11 British American Blvd.	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL Metals 6010C	Test CN 9012	Special Instructions/ Conditions of Receipt
CB-07-102215	10/22/15	800		X			2		1				X	X		
CB-07-F-102215	"	805		X			2		1				X	X		
CB-09-102215	"	930		X			2		1				X	X		
CB-09-F-102215	"	933		X			2		1				X	X		
CB-30-102215	"	1025		X			2		1				X	X		
CB-30-F-102215	"	1028		X			2		1				X	X		
CB-16-102215	"	1055		X			2		1				X	X		
CB-16-~~KEF~~-102215	"	1058		X			2		1				X	X		
MW-UNK-102215	"	1300		X			2		1		1		X	X	X	
MW-UNK-~~2001~~F-102215	"	1305		X			2		1		1		X	X	X	
FB-102215	"	1500		X			2		1		1		X	X	X	
CB-01-102215	"	855		X			2		1				X	X		

480-89685 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	L IA ESTRADA	10/22/15	1600	Matt. Ving TABUFFALO	10/22/15	1600
2.	Matt. Ving TABUFFALO	10/22/15	1730		10/22/15	1730
3.						

Comments

3,4,11,3,9 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Same		10/22/15	292042
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 3
City / State / Zip Code	Site Contact: Same	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State)	Carrier/Waybill Number		Special Instructions/ Conditions of Receipt
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	SVOCs 8270D	TAL Metals 6010C
CB-01-F-102215	10/22/15	900		X			2		1				0	1
CB-MS-03-102215	"	905		X			2		1				1	1
CB-MSD-03-102215	"	905		X			2		1				0	0
CB-02-102215	"	1000		X			2		1				1	1
CB-02-F-102215	"	1005		X			2		1				1	1
CB-DUP-03-102215	"	1010		X			2		1				1	1
CB-03-102215	"	1050		X			2		1				1	1
CB-03-F-102215	"	1055		X			2		2				0	0
CB-04-102215	"	1242		X			2		1				1	1
CB-04-F-102215	"	1246		X			2		1				0	0
BASIN-1-102215	"	1342		X			2		1				0	0
BASIN-1-F-102215	"	1347		X			2		1				1	1

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1	LIA ESTRADA	10/22/15	1606	Mark Pino TABUFFALO	10/22/15	1606
2	Mark Pino TABUFFALO	10/22/15	1730		10/22/15	1730
3						

Comments

3,4,6,1,3,9 #1

DISTRIBUTION: *WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy*

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
		10/22/15	275600
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 3
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL M. 6010C	Special Instructions/ Conditions of Receipt
BASIN-MS-04-102215	10/22/15	1352		X			2		1						
BASIN-MSD-04-102215	"	1352		X			2		1						
BASIN-2-102215	"	1511		X			2		1						
BASIN-2-F-102215	"	1516		X			2		1						
BASIN-3-102215	"	1428		X			2		1						
BASIN-3-F-102215	"	1432		X			2		1						
BASIN-DUP-04-102215	"	1437		X			2		1						

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	LIA ESTRADA	10/22/15	1606	TA BUFFALO	10/22/15	1606
2.	TA BUFFALO	10/22/15	1730		10/22/15	1730
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Appendix G

Laboratory Reports

Report Date:
11-Oct-12 17:44

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: L1966
Project : BLCP Buffalo
Project #: D007621-1

Attn: John P. Blaum

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
L1966-01	SB-01 0-4	Soil	17-Sep-12 09:35	20-Sep-12 08:40
L1966-02	SB-01 4-8	Soil	17-Sep-12 09:35	20-Sep-12 08:40
L1966-03	SB-02 0-4	Soil	17-Sep-12 10:15	20-Sep-12 08:40
L1966-04	SB-02 4-8	Soil	17-Sep-12 10:15	20-Sep-12 08:40
L1966-05	SB-02 8-12	Soil	17-Sep-12 10:15	20-Sep-12 08:40
L1966-06	SB-03 0-4	Soil	17-Sep-12 10:45	20-Sep-12 08:40
L1966-07	SB-03 4-8	Soil	17-Sep-12 10:45	20-Sep-12 08:40
L1966-08	SB-04 0-4	Soil	17-Sep-12 11:15	20-Sep-12 08:40
L1966-09	SB-04 4-8	Soil	17-Sep-12 11:15	20-Sep-12 08:40
L1966-10	SB-04 8-12	Soil	17-Sep-12 11:15	20-Sep-12 08:40
L1966-11	SB-05 0-4	Soil	17-Sep-12 12:00	20-Sep-12 08:40
L1966-12	SB-05 4-8	Soil	17-Sep-12 12:00	20-Sep-12 08:40
L1966-13	SB-06 0-4	Soil	17-Sep-12 13:30	20-Sep-12 08:40
L1966-14	SB-06 4-8	Soil	17-Sep-12 13:30	20-Sep-12 08:40
L1966-15	SB-07 0-4	Soil	17-Sep-12 13:50	20-Sep-12 08:40
L1966-16	SB-07 4-8	Soil	17-Sep-12 13:50	20-Sep-12 08:40
L1966-17	SB-08 0-4	Soil	17-Sep-12 14:05	20-Sep-12 08:40
L1966-18	SB-08 4-8	Soil	17-Sep-12 14:05	20-Sep-12 08:40
L1966-19	SB-09 0-4	Soil	17-Sep-12 14:50	20-Sep-12 08:40
L1966-20	DUP 1	Soil	18-Sep-12 08:35	20-Sep-12 08:40

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

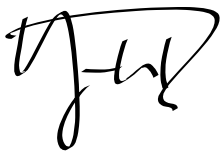
Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:



Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

175 Metro Center Boulevard · Warwick, RI 02886-1755 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : BLCP Buffalo -- D007621-1 **SDG :** L1966

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-01 0-4	L1966-01				SW6010_S	
SB-01 4-8	L1966-02				SW6010_S	
SB-02 0-4	L1966-03				SW6010_S	
SB-02 4-8	L1966-04				SW6010_S	
SB-02 8-12	L1966-05				SW6010_S	
SB-03 0-4	L1966-06				SW6010_S	
SB-03 4-8	L1966-07				SW6010_S	
SB-04 0-4	L1966-08				SW6010_S	
SB-04 4-8	L1966-09				SW6010_S	
SB-04 8-12	L1966-10				SW6010_S	
SB-05 0-4	L1966-11				SW6010_S	
SB-05 4-8	L1966-12				SW6010_S	
SB-06 0-4	L1966-13				SW6010_S	
SB-06 4-8	L1966-14				SW6010_S	
SB-07 0-4	L1966-15				SW6010_S	
SB-07 4-8	L1966-16				SW6010_S	
SB-08 0-4	L1966-17				SW6010_S	
SB-08 4-8	L1966-18				SW6010_S	
SB-09 0-4	L1966-19				SW6010_S	
DUP 1	L1966-20				SW6010_S	

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : BLCP Buffalo -- D007621-1 **SDG :** L1966

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
L1966-01A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-02A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-03A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-04A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-05A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-06A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-07A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-08A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-09A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-10A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-11A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-12A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-13A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-14A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-15A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-16A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-17A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-18A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-19A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-20A	SL	SW6010_S	9/20/2012	10/1/2012
L1966-20ADUP	SL	SW6010_S	9/20/2012	10/1/2012
L1966-20AMS	SL	SW6010_S	9/20/2012	10/1/2012

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: L1966

Client ID: CDM_LATHAM
Project: CLCP Buffalo
WO Name: BLCP Buffalo
Location: CDM_BLCP, D007621-1
Comments: N/A

Case:
SDG:
PO: 0897-91667

HC Due: 10/09/12
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
L1966-01A	SB-01 0-4	09/17/2012 09:35	09/20/2012	Soil	PMoist	/					A4
L1966-01A	SB-01 0-4	09/17/2012 09:35	09/20/2012	Soil	SW6010_S	/					A4
L1966-02A	SB-01 4-8	09/17/2012 09:35	09/20/2012	Soil	PMoist	/					A4
L1966-02A	SB-01 4-8	09/17/2012 09:35	09/20/2012	Soil	SW6010_S	/					A4
L1966-03A	SB-02 0-4	09/17/2012 10:15	09/20/2012	Soil	PMoist	/					A4
L1966-03A	SB-02 0-4	09/17/2012 10:15	09/20/2012	Soil	SW6010_S	/					A4
L1966-04A	SB-02 4-8	09/17/2012 10:15	09/20/2012	Soil	PMoist	/					A4
L1966-04A	SB-02 4-8	09/17/2012 10:15	09/20/2012	Soil	SW6010_S	/					A4
L1966-05A	SB-02 8-12	09/17/2012 10:15	09/20/2012	Soil	PMoist	/					A4
L1966-05A	SB-02 8-12	09/17/2012 10:15	09/20/2012	Soil	SW6010_S	/					A4
L1966-06A	SB-03 0-4	09/17/2012 10:45	09/20/2012	Soil	PMoist	/					A4
L1966-06A	SB-03 0-4	09/17/2012 10:45	09/20/2012	Soil	SW6010_S	/					A4
L1966-07A	SB-03 4-8	09/17/2012 10:45	09/20/2012	Soil	PMoist	/					A4
L1966-07A	SB-03 4-8	09/17/2012 10:45	09/20/2012	Soil	SW6010_S	/					A4
L1966-08A	SB-04 0-4	09/17/2012 11:15	09/20/2012	Soil	PMoist	/					A4
L1966-08A	SB-04 0-4	09/17/2012 11:15	09/20/2012	Soil	SW6010_S	/					A4
L1966-09A	SB-04 4-8	09/17/2012 11:15	09/20/2012	Soil	PMoist	/					A4
L1966-09A	SB-04 4-8	09/17/2012 11:15	09/20/2012	Soil	SW6010_S	/					A4
L1966-10A	SB-04 8-12	09/17/2012 11:15	09/20/2012	Soil	PMoist	/					A4
L1966-10A	SB-04 8-12	09/17/2012 11:15	09/20/2012	Soil	SW6010_S	/					A4
L1966-11A	SB-05 0-4	09/17/2012 12:00	09/20/2012	Soil	PMoist	/					A4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: L1966

Client ID: CDM_LATHAM
Project: CLCP Buffalo
WO Name: BLCP Buffalo
Location: CDM_BLCP, D007621-1
Comments: N/A

Case:
SDG:
PO: 0897-91667

HC Due: 10/09/12
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
L1966-11A	SB-05 0-4	09/17/2012 12:00	09/20/2012	Soil	SW6010_S	/					A4
L1966-12A	SB-05 4-8	09/17/2012 12:00	09/20/2012	Soil	PMoist	/					A4
L1966-12A	SB-05 4-8	09/17/2012 12:00	09/20/2012	Soil	SW6010_S	/					A4
L1966-13A	SB-06 0-4	09/17/2012 13:30	09/20/2012	Soil	PMoist	/					A4
L1966-13A	SB-06 0-4	09/17/2012 13:30	09/20/2012	Soil	SW6010_S	/					A4
L1966-14A	SB-06 4-8	09/17/2012 13:30	09/20/2012	Soil	PMoist	/					A4
L1966-14A	SB-06 4-8	09/17/2012 13:30	09/20/2012	Soil	SW6010_S	/					A4
L1966-15A	SB-07 0-4	09/17/2012 13:50	09/20/2012	Soil	PMoist	/					A4
L1966-15A	SB-07 0-4	09/17/2012 13:50	09/20/2012	Soil	SW6010_S	/					A4
L1966-16A	SB-07 4-8	09/17/2012 13:50	09/20/2012	Soil	PMoist	/					A4
L1966-16A	SB-07 4-8	09/17/2012 13:50	09/20/2012	Soil	SW6010_S	/					A4
L1966-17A	SB-08 0-4	09/17/2012 14:05	09/20/2012	Soil	PMoist	/					A4
L1966-17A	SB-08 0-4	09/17/2012 14:05	09/20/2012	Soil	SW6010_S	/					A4
L1966-18A	SB-08 4-8	09/17/2012 14:05	09/20/2012	Soil	PMoist	/					A4
L1966-18A	SB-08 4-8	09/17/2012 14:05	09/20/2012	Soil	SW6010_S	/					A4
L1966-19A	SB-09 0-4	09/17/2012 14:50	09/20/2012	Soil	PMoist	/					A4
L1966-19A	SB-09 0-4	09/17/2012 14:50	09/20/2012	Soil	SW6010_S	/					A4
L1966-20A	DUP 1	09/18/2012 08:35	09/20/2012	Soil	PMoist	/					A4
L1966-20A	DUP 1	09/18/2012 08:35	09/20/2012	Soil	SW6010_S	/					A4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: BLCP Buffalo

Laboratory Workorder / SDG #: L1966

SW846 6010C

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 6010C.

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3050B.

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on sample: DUP 1 (L1966-20AMS).

Percent recoveries were within the QC limits with the following exceptions:

DUP 1 (L1966-20AMS), Spike sample recovery is below criteria for Antimony at 39% with criteria of (75-125).

D. Post Digestion Spike (PDS):

Post-digestion spike analysis was performed on sample: DUP 1 (L1966-20APDS).

DUP 1 (L1966-20APDS) for Antimony due to recovery of this element outside of QC limits in the matrix spike.

E. Duplicate sample:

Duplicate analyses were performed on sample: DUP 1 (L1966-20ADUP).

Relative percent differences were within the QC limits with the following exceptions:

DUP 1 (L1966-20ADUP), Duplicate analysis not within control limit for Aluminum, Barium, Beryllium, Cadmium, Calcium, Cobalt, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Sodium, Thallium, Vanadium and Zinc.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on sample: DUP 1 (L1966-20ASD).

Percent differences were within the QC limits with the exception of the following:

DUP 1 (L1966-20ASD), Serial Dilution analysis not within control limit for Cobalt, Nickel and Zinc.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 10/11/12

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

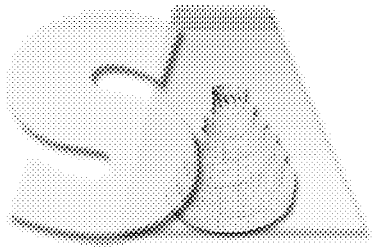
E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DUP 1

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-20

Level (low/med): MED Date Received: 09/20/2012

% Solids: 86.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23300		*	P
7440-36-0	Antimony	0.36	U	N	P
7440-38-2	Arsenic	7.0			P
7440-39-3	Barium	208		*	P
7440-41-7	Beryllium	4.3		*	P
7440-43-9	Cadmium	1.5		*	P
7440-70-2	Calcium	172000		*	P
7440-47-3	Chromium	14.8			P
7440-48-4	Cobalt	2.9		*E	P
7440-50-8	Copper	44.3			P
7439-89-6	Iron	32100			P
7439-92-1	Lead	430		*	P
7439-95-4	Magnesium	23000		*	P
7439-96-5	Manganese	1610		*	P
7440-02-0	Nickel	11.9		*E	P
7440-09-7	Potassium	1530		*	P
7782-49-2	Selenium	5.0		*	P
7440-22-4	Silver	0.099	B		P
7440-23-5	Sodium	626		*	P
7440-28-0	Thallium	3.1		*	P
7440-62-2	Vanadium	10.4		*	P
7440-66-6	Zinc	592		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-01 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-01

Level (low/med): MED Date Received: 09/20/2012

% Solids: 88.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200		*	P
7440-36-0	Antimony	2.6		N	P
7440-38-2	Arsenic	11.4			P
7440-39-3	Barium	68.5		*	P
7440-41-7	Beryllium	1.5		*	P
7440-43-9	Cadmium	4.5		*	P
7440-70-2	Calcium	29500		*	P
7440-47-3	Chromium	59.0			P
7440-48-4	Cobalt	9.5		*E	P
7440-50-8	Copper	277			P
7439-89-6	Iron	106000			P
7439-92-1	Lead	1260		*	P
7439-95-4	Magnesium	7180		*	P
7439-96-5	Manganese	1770		*	P
7440-02-0	Nickel	64.3		*E	P
7440-09-7	Potassium	835		*	P
7782-49-2	Selenium	0.68	U	*	P
7440-22-4	Silver	0.14	B		P
7440-23-5	Sodium	153		*	P
7440-28-0	Thallium	0.23	U	*	P
7440-62-2	Vanadium	20.2		*	P
7440-66-6	Zinc	1250		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-01 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-02

Level (low/med): MED Date Received: 09/20/2012

% Solids: 67.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19700		*	P
7440-36-0	Antimony	0.51	B	N	P
7440-38-2	Arsenic	20.5			P
7440-39-3	Barium	160		*	P
7440-41-7	Beryllium	3.7		*	P
7440-43-9	Cadmium	2.9		*	P
7440-70-2	Calcium	110000		*	P
7440-47-3	Chromium	43.4			P
7440-48-4	Cobalt	5.1		*E	P
7440-50-8	Copper	68.4			P
7439-89-6	Iron	117000			P
7439-92-1	Lead	120		*	P
7439-95-4	Magnesium	23800		*	P
7439-96-5	Manganese	3320		*	P
7440-02-0	Nickel	17.3		*E	P
7440-09-7	Potassium	1820		*	P
7782-49-2	Selenium	1.3	B	*	P
7440-22-4	Silver	0.085	U		P
7440-23-5	Sodium	394		*	P
7440-28-0	Thallium	0.74	B	*	P
7440-62-2	Vanadium	14.4		*	P
7440-66-6	Zinc	1000		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-02 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-03

Level (low/med): MED Date Received: 09/20/2012

% Solids: 83.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12700		*	P
7440-36-0	Antimony	0.30	U	N	P
7440-38-2	Arsenic	3.0			P
7440-39-3	Barium	12.9		*	P
7440-41-7	Beryllium	0.63		*	P
7440-43-9	Cadmium	0.012	U	*	P
7440-70-2	Calcium	81900		*	P
7440-47-3	Chromium	22.8			P
7440-48-4	Cobalt	14.7		*E	P
7440-50-8	Copper	24.2			P
7439-89-6	Iron	27900			P
7439-92-1	Lead	17.8		*	P
7439-95-4	Magnesium	5930		*	P
7439-96-5	Manganese	637		*	P
7440-02-0	Nickel	46.3		*E	P
7440-09-7	Potassium	1360		*	P
7782-49-2	Selenium	1.7		*	P
7440-22-4	Silver	0.051	U		P
7440-23-5	Sodium	122		*	P
7440-28-0	Thallium	0.18	U	*	P
7440-62-2	Vanadium	15.1		*	P
7440-66-6	Zinc	38.6		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-02 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-04

Level (low/med): MED Date Received: 09/20/2012

% Solids: 88.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14200		*	P
7440-36-0	Antimony	0.42	U	N	P
7440-38-2	Arsenic	5.7			P
7440-39-3	Barium	33.8		*	P
7440-41-7	Beryllium	0.75		*	P
7440-43-9	Cadmium	0.016	U	*	P
7440-70-2	Calcium	60700		*	P
7440-47-3	Chromium	23.8			P
7440-48-4	Cobalt	13.8		*E	P
7440-50-8	Copper	42.2			P
7439-89-6	Iron	31200			P
7439-92-1	Lead	21.1		*	P
7439-95-4	Magnesium	8890		*	P
7439-96-5	Manganese	606		*	P
7440-02-0	Nickel	46.3		*E	P
7440-09-7	Potassium	1720		*	P
7782-49-2	Selenium	2.3		*	P
7440-22-4	Silver	0.070	U		P
7440-23-5	Sodium	155		*	P
7440-28-0	Thallium	0.24	U	*	P
7440-62-2	Vanadium	17.0		*	P
7440-66-6	Zinc	74.2		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-02 8-12

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-05

Level (low/med): MED Date Received: 09/20/2012

% Solids: 79.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15800		*	P
7440-36-0	Antimony	0.41	U	N	P
7440-38-2	Arsenic	5.2			P
7440-39-3	Barium	27.7		*	P
7440-41-7	Beryllium	0.79		*	P
7440-43-9	Cadmium	0.016	U	*	P
7440-70-2	Calcium	70700		*	P
7440-47-3	Chromium	26.6			P
7440-48-4	Cobalt	21.8		*E	P
7440-50-8	Copper	28.5			P
7439-89-6	Iron	34700			P
7439-92-1	Lead	27.0		*	P
7439-95-4	Magnesium	7200		*	P
7439-96-5	Manganese	687		*	P
7440-02-0	Nickel	58.3		*E	P
7440-09-7	Potassium	1990		*	P
7782-49-2	Selenium	2.4		*	P
7440-22-4	Silver	0.070	U		P
7440-23-5	Sodium	151		*	P
7440-28-0	Thallium	0.24	U	*	P
7440-62-2	Vanadium	19.4		*	P
7440-66-6	Zinc	58.6		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-03 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-06

Level (low/med): MED Date Received: 09/20/2012

% Solids: 88.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13700		*	P
7440-36-0	Antimony	0.38	U	N	P
7440-38-2	Arsenic	3.6			P
7440-39-3	Barium	19.6		*	P
7440-41-7	Beryllium	0.71		*	P
7440-43-9	Cadmium	0.015	U	*	P
7440-70-2	Calcium	86400		*	P
7440-47-3	Chromium	24.1			P
7440-48-4	Cobalt	17.2		*E	P
7440-50-8	Copper	26.6			P
7439-89-6	Iron	30500			P
7439-92-1	Lead	20.4		*	P
7439-95-4	Magnesium	6510		*	P
7439-96-5	Manganese	746		*	P
7440-02-0	Nickel	49.7		*E	P
7440-09-7	Potassium	1940		*	P
7782-49-2	Selenium	2.0		*	P
7440-22-4	Silver	0.065	U		P
7440-23-5	Sodium	132		*	P
7440-28-0	Thallium	0.22	U	*	P
7440-62-2	Vanadium	16.2		*	P
7440-66-6	Zinc	40.1		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-03 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-07

Level (low/med): MED Date Received: 09/20/2012

% Solids: 87.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14200		*	P
7440-36-0	Antimony	0.31	U	N	P
7440-38-2	Arsenic	4.6			P
7440-39-3	Barium	11.7		*	P
7440-41-7	Beryllium	0.58		*	P
7440-43-9	Cadmium	0.012	U	*	P
7440-70-2	Calcium	70700		*	P
7440-47-3	Chromium	25.7			P
7440-48-4	Cobalt	17.7		*E	P
7440-50-8	Copper	27.1			P
7439-89-6	Iron	32700			P
7439-92-1	Lead	22.9		*	P
7439-95-4	Magnesium	7360		*	P
7439-96-5	Manganese	479		*	P
7440-02-0	Nickel	54.2		*E	P
7440-09-7	Potassium	2320		*	P
7782-49-2	Selenium	1.6		*	P
7440-22-4	Silver	0.052	U		P
7440-23-5	Sodium	132		*	P
7440-28-0	Thallium	0.18	U	*	P
7440-62-2	Vanadium	17.3		*	P
7440-66-6	Zinc	57.4		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-04 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-08

Level (low/med): MED Date Received: 09/20/2012

% Solids: 85.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13900		*	P
7440-36-0	Antimony	1.0	B	N	P
7440-38-2	Arsenic	10.9			P
7440-39-3	Barium	211		*	P
7440-41-7	Beryllium	2.4		*	P
7440-43-9	Cadmium	2.1		*	P
7440-70-2	Calcium	82700		*	P
7440-47-3	Chromium	47.3			P
7440-48-4	Cobalt	5.4		*E	P
7440-50-8	Copper	314			P
7439-89-6	Iron	81000			P
7439-92-1	Lead	262		*	P
7439-95-4	Magnesium	16700		*	P
7439-96-5	Manganese	3170		*	P
7440-02-0	Nickel	25.4		*E	P
7440-09-7	Potassium	1760		*	P
7782-49-2	Selenium	4.8		*	P
7440-22-4	Silver	0.068	U		P
7440-23-5	Sodium	461		*	P
7440-28-0	Thallium	1.3		*	P
7440-62-2	Vanadium	17.1		*	P
7440-66-6	Zinc	598		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-04 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-09

Level (low/med): MED Date Received: 09/20/2012

% Solids: 85.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13500		*	P
7440-36-0	Antimony	1.7		N	P
7440-38-2	Arsenic	7.8			P
7440-39-3	Barium	160		*	P
7440-41-7	Beryllium	2.1		*	P
7440-43-9	Cadmium	4.5		*	P
7440-70-2	Calcium	57700		*	P
7440-47-3	Chromium	42.7			P
7440-48-4	Cobalt	12.1		*E	P
7440-50-8	Copper	103			P
7439-89-6	Iron	61600			P
7439-92-1	Lead	517		*	P
7439-95-4	Magnesium	13100		*	P
7439-96-5	Manganese	1770		*	P
7440-02-0	Nickel	50.9		*E	P
7440-09-7	Potassium	2200		*	P
7782-49-2	Selenium	4.5		*	P
7440-22-4	Silver	0.066	U		P
7440-23-5	Sodium	687		*	P
7440-28-0	Thallium	1.3		*	P
7440-62-2	Vanadium	43.7		*	P
7440-66-6	Zinc	1050		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-04 8-12

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-10

Level (low/med): MED Date Received: 09/20/2012

% Solids: 79.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22700		*	P
7440-36-0	Antimony	0.42	U	N	P
7440-38-2	Arsenic	7.5			P
7440-39-3	Barium	229		*	P
7440-41-7	Beryllium	3.6		*	P
7440-43-9	Cadmium	1.4		*	P
7440-70-2	Calcium	117000		*	P
7440-47-3	Chromium	31.9			P
7440-48-4	Cobalt	3.0		*E	P
7440-50-8	Copper	173			P
7439-89-6	Iron	67000			P
7439-92-1	Lead	359		*	P
7439-95-4	Magnesium	19200		*	P
7439-96-5	Manganese	3700		*	P
7440-02-0	Nickel	18.9		*E	P
7440-09-7	Potassium	5820		*	P
7782-49-2	Selenium	6.5		*	P
7440-22-4	Silver	0.070	U		P
7440-23-5	Sodium	736		*	P
7440-28-0	Thallium	4.5		*	P
7440-62-2	Vanadium	15.2		*	P
7440-66-6	Zinc	1090		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-05 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-11

Level (low/med): MED Date Received: 09/20/2012

% Solids: 86.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7070		*	P
7440-36-0	Antimony	1.0	B	N	P
7440-38-2	Arsenic	8.9			P
7440-39-3	Barium	223		*	P
7440-41-7	Beryllium	0.38		*	P
7440-43-9	Cadmium	0.81		*	P
7440-70-2	Calcium	70500		*	P
7440-47-3	Chromium	29.5			P
7440-48-4	Cobalt	6.0		*E	P
7440-50-8	Copper	99.5			P
7439-89-6	Iron	43900			P
7439-92-1	Lead	387		*	P
7439-95-4	Magnesium	11500		*	P
7439-96-5	Manganese	910		*	P
7440-02-0	Nickel	19.5		*E	P
7440-09-7	Potassium	1080		*	P
7782-49-2	Selenium	2.7		*	P
7440-22-4	Silver	0.13	B		P
7440-23-5	Sodium	318		*	P
7440-28-0	Thallium	0.22	U	*	P
7440-62-2	Vanadium	24.4		*	P
7440-66-6	Zinc	437		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-05 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-12

Level (low/med): MED Date Received: 09/20/2012

% Solids: 76.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11400		*	P
7440-36-0	Antimony	0.44	U	N	P
7440-38-2	Arsenic	6.1			P
7440-39-3	Barium	220		*	P
7440-41-7	Beryllium	0.32		*	P
7440-43-9	Cadmium	0.34		*	P
7440-70-2	Calcium	67800		*	P
7440-47-3	Chromium	28.9			P
7440-48-4	Cobalt	3.8		*E	P
7440-50-8	Copper	27.0			P
7439-89-6	Iron	11100			P
7439-92-1	Lead	355		*	P
7439-95-4	Magnesium	6180		*	P
7439-96-5	Manganese	515		*	P
7440-02-0	Nickel	11.1		*E	P
7440-09-7	Potassium	1580		*	P
7782-49-2	Selenium	1.7	B	*	P
7440-22-4	Silver	0.075	U		P
7440-23-5	Sodium	980		*	P
7440-28-0	Thallium	0.32	B	*	P
7440-62-2	Vanadium	26.2		*	P
7440-66-6	Zinc	203		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-06 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-13

Level (low/med): MED Date Received: 09/20/2012

% Solids: 88.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10700		*	P
7440-36-0	Antimony	0.40	U	N	P
7440-38-2	Arsenic	8.8			P
7440-39-3	Barium	103		*	P
7440-41-7	Beryllium	1.6		*	P
7440-43-9	Cadmium	3.5		*	P
7440-70-2	Calcium	52600		*	P
7440-47-3	Chromium	108			P
7440-48-4	Cobalt	6.3		*E	P
7440-50-8	Copper	221			P
7439-89-6	Iron	132000			P
7439-92-1	Lead	324		*	P
7439-95-4	Magnesium	10000		*	P
7439-96-5	Manganese	2650		*	P
7440-02-0	Nickel	52.0		*E	P
7440-09-7	Potassium	1520		*	P
7782-49-2	Selenium	0.68	U	*	P
7440-22-4	Silver	0.37	B		P
7440-23-5	Sodium	223		*	P
7440-28-0	Thallium	0.23	U	*	P
7440-62-2	Vanadium	19.0		*	P
7440-66-6	Zinc	800		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-06 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-14

Level (low/med): MED Date Received: 09/20/2012

% Solids: 73.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7250		*	P
7440-36-0	Antimony	0.87	B	N	P
7440-38-2	Arsenic	11.7			P
7440-39-3	Barium	285		*	P
7440-41-7	Beryllium	0.40		*	P
7440-43-9	Cadmium	3.5		*	P
7440-70-2	Calcium	109000		*	P
7440-47-3	Chromium	41.1			P
7440-48-4	Cobalt	4.6		*E	P
7440-50-8	Copper	126			P
7439-89-6	Iron	25600			P
7439-92-1	Lead	411		*	P
7439-95-4	Magnesium	13700		*	P
7439-96-5	Manganese	642		*	P
7440-02-0	Nickel	13.3		*E	P
7440-09-7	Potassium	1810		*	P
7782-49-2	Selenium	3.6		*	P
7440-22-4	Silver	2.0	B		P
7440-23-5	Sodium	287		*	P
7440-28-0	Thallium	0.30	U	*	P
7440-62-2	Vanadium	22.1		*	P
7440-66-6	Zinc	483		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-07 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-15

Level (low/med): MED Date Received: 09/20/2012

% Solids: 80.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24800		*	P
7440-36-0	Antimony	0.38	U	N	P
7440-38-2	Arsenic	22.9			P
7440-39-3	Barium	336		*	P
7440-41-7	Beryllium	3.7		*	P
7440-43-9	Cadmium	2.7		*	P
7440-70-2	Calcium	179000		*	P
7440-47-3	Chromium	39.2			P
7440-48-4	Cobalt	6.7		*E	P
7440-50-8	Copper	227			P
7439-89-6	Iron	46100			P
7439-92-1	Lead	203		*	P
7439-95-4	Magnesium	22500		*	P
7439-96-5	Manganese	2430		*	P
7440-02-0	Nickel	32.4		*E	P
7440-09-7	Potassium	9210		*	P
7782-49-2	Selenium	6.4		*	P
7440-22-4	Silver	0.064	U		P
7440-23-5	Sodium	795		*	P
7440-28-0	Thallium	4.4		*	P
7440-62-2	Vanadium	16.8		*	P
7440-66-6	Zinc	462		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-07 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-16

Level (low/med): MED Date Received: 09/20/2012

% Solids: 79.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2310		*	P
7440-36-0	Antimony	0.58	B	N	P
7440-38-2	Arsenic	2.0			P
7440-39-3	Barium	285		*	P
7440-41-7	Beryllium	0.37		*	P
7440-43-9	Cadmium	0.017	U	*	P
7440-70-2	Calcium	26300		*	P
7440-47-3	Chromium	3.8			P
7440-48-4	Cobalt	0.34	B	*E	P
7440-50-8	Copper	8.4			P
7439-89-6	Iron	11800			P
7439-92-1	Lead	60.4		*	P
7439-95-4	Magnesium	4970		*	P
7439-96-5	Manganese	364		*	P
7440-02-0	Nickel	1.5	B	*E	P
7440-09-7	Potassium	1550		*	P
7782-49-2	Selenium	1.7	B	*	P
7440-22-4	Silver	0.071	U		P
7440-23-5	Sodium	176		*	P
7440-28-0	Thallium	0.24	U	*	P
7440-62-2	Vanadium	4.4		*	P
7440-66-6	Zinc	72.7		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-08 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-17

Level (low/med): MED Date Received: 09/20/2012

% Solids: 80.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23400		*	P
7440-36-0	Antimony	0.40	U	N	P
7440-38-2	Arsenic	16.0			P
7440-39-3	Barium	216		*	P
7440-41-7	Beryllium	3.2		*	P
7440-43-9	Cadmium	5.9		*	P
7440-70-2	Calcium	143000		*	P
7440-47-3	Chromium	59.2			P
7440-48-4	Cobalt	5.2		*E	P
7440-50-8	Copper	52.3			P
7439-89-6	Iron	84800			P
7439-92-1	Lead	373		*	P
7439-95-4	Magnesium	19000		*	P
7439-96-5	Manganese	4120		*	P
7440-02-0	Nickel	17.4		*E	P
7440-09-7	Potassium	5300		*	P
7782-49-2	Selenium	4.5		*	P
7440-22-4	Silver	0.068	U		P
7440-23-5	Sodium	503		*	P
7440-28-0	Thallium	1.7		*	P
7440-62-2	Vanadium	26.5		*	P
7440-66-6	Zinc	1060		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-08 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-18

Level (low/med): MED Date Received: 09/20/2012

% Solids: 91.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18600		*	P
7440-36-0	Antimony	1.1		N	P
7440-38-2	Arsenic	9.1			P
7440-39-3	Barium	148		*	P
7440-41-7	Beryllium	3.1		*	P
7440-43-9	Cadmium	8.8		*	P
7440-70-2	Calcium	98300		*	P
7440-47-3	Chromium	12.6			P
7440-48-4	Cobalt	6.5		*E	P
7440-50-8	Copper	9.9			P
7439-89-6	Iron	250000			P
7439-92-1	Lead	2.5		*	P
7439-95-4	Magnesium	11200		*	P
7439-96-5	Manganese	4840		*	P
7440-02-0	Nickel	6.7		*E	P
7440-09-7	Potassium	1240		*	P
7782-49-2	Selenium	0.58	U	*	P
7440-22-4	Silver	0.058	U		P
7440-23-5	Sodium	470		*	P
7440-28-0	Thallium	0.20	U	*	P
7440-62-2	Vanadium	26.9		*	P
7440-66-6	Zinc	11.1		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-09 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Lab Sample ID: L1966-19

Level (low/med): MED Date Received: 09/20/2012

% Solids: 86.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21700		*	P
7440-36-0	Antimony	0.83	B	N	P
7440-38-2	Arsenic	74.9			P
7440-39-3	Barium	215		*	P
7440-41-7	Beryllium	1.9		*	P
7440-43-9	Cadmium	5.1		*	P
7440-70-2	Calcium	193000		*	P
7440-47-3	Chromium	46.6			P
7440-48-4	Cobalt	9.1		*E	P
7440-50-8	Copper	53.8			P
7439-89-6	Iron	22600			P
7439-92-1	Lead	144		*	P
7439-95-4	Magnesium	9050		*	P
7439-96-5	Manganese	524		*	P
7440-02-0	Nickel	26.0		*E	P
7440-09-7	Potassium	4370		*	P
7782-49-2	Selenium	8.1		*	P
7440-22-4	Silver	4.8			P
7440-23-5	Sodium	358		*	P
7440-28-0	Thallium	6.3		*	P
7440-62-2	Vanadium	31.5		*	P
7440-66-6	Zinc	834		*E	P

Comments:

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7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-68351**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	468.6		364	546.0	103.0
Antimony				22.8	23.8		18.2	27.3	104.4
Arsenic				22.8	22.6		18.2	27.3	99.1
Barium				455.0	491.9		364	546.0	108.1
Beryllium				11.4	12.0		9.1	13.6	105.3
Cadmium				11.4	11.1		9.1	13.6	97.4
Calcium				1135.0	1137.8		908	1362.0	100.2
Chromium				45.5	47.9		36.4	54.6	105.3
Cobalt				113.5	119.8		90.8	136.2	105.6
Copper				56.5	58.4		45.2	67.8	103.4
Iron				227.5	243.0		182	273.0	106.8
Lead				22.8	22.6		18.2	27.3	99.1
Magnesium				1135.0	1199.1		908	1362.0	105.6
Manganese				113.5	120.7		90.8	136.2	106.3
Nickel				113.5	120.1		90.8	136.2	105.8
Potassium				1135.0	1191.2		908	1362.0	105.0
Selenium				22.8	21.0		18.2	27.3	92.1
Silver				56.5	59.5		42.4	67.8	105.3
Sodium				1135.0	1226.8		908	1362.0	108.1
Thallium				22.8	20.5		18.2	27.3	89.9
Vanadium				113.5	118.1		90.8	136.2	104.1
Zinc				113.5	117.6		90.8	136.2	103.6

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

DUP 1S

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 86.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	8.4		0.36	U	21.5	39	N	P
Arsenic	75-125	28.6		7.0		21.5	100		P
Barium	75-125	602		208		430	92		P
Beryllium	75-125	14.8		4.3		10.7	98		P
Cadmium	75-125	10.6		1.5		10.7	85		P
Chromium	75-125	59.0		14.8		43.0	103		P
Cobalt	75-125	110		2.9		107	100		P
Copper	75-125	98.5		44.3		53.4	102		P
Lead		268		430		21.5	-755		P
Nickel	75-125	123		11.9		107	103		P
Selenium	75-125	24.8		5.0		21.5	92		P
Silver	75-125	64.3		0.061	B	53.4	120		P
Thallium	75-125	19.2		3.1		21.5	75		P
Vanadium	75-125	126		10.4		107	108		P
Zinc		466		592		107	-117		P

Comments:

U.S. EPA - CLP

5B

EPA SAMPLE NO.

POST DIGEST SPIKE SAMPLE RECOVERY

DUP 1A

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		508.92		5.28	U	455.0	112		P

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

DUP 1D

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 86.7 % Solids for Duplicate: 86.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		23274.1789		16574.5179		33.6	*	P
Antimony		0.3600	U	0.3600	U			P
Arsenic		7.0426		6.9890		0.8		P
Barium		208.1279		135.0326		42.6	*	P
Beryllium		4.3278		2.3405		59.6	*	P
Cadmium	0.2	1.5324		0.9769		44.3	*	P
Calcium		172469.1032		95581.3086		57.4	*	P
Chromium		14.7967		16.0303		8		P
Cobalt	2.4	2.9439		5.4546		59.8	*	P
Copper		44.2582		39.2627		12		P
Iron		32090.4662		28323.4063		12.5		P
Lead		430.0864		246.3173		54.3	*	P
Magnesium		22972.0975		14419.2408		45.7	*	P
Manganese		1606.2955		1107.8852		36.7	*	P
Nickel	2.4	11.8695		19.9715		50.9	*	P
Potassium		1530.9470		1152.2926		28.2	*	P
Selenium	1.4	5.0246		3.2259		43.6	*	P
Silver		0.0989	B	0.0610	U	200		P
Sodium		626.0439		378.8930		49.2	*	P
Thallium	0.9	3.0989		1.5595		66.1	*	P
Vanadium	2.4	10.4155		14.0065		29.4	*	P
Zinc		591.5086		366.9335		46.9	*	P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-68351**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_121001A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 10/01/12 11:01	C	10/01/12 11:41	C	10/01/12 12:18	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	1.367	B	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	0.684	B	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	0.410	U	P
Barium	1.6	B	1.1	U	1.9	B	1.4	B	0.036	B	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.030	B	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.166	B	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	1.794	B	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	0.630	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.130	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.043	U	P
Potassium	76.6	B	114.9	B	174.6	B	96.0	B	3.400	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	0.640	U	P
Silver	11.4	B	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	34.6	B	29.0	U	34.2	B	29.0	U	1.100	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	0.189	B	P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121001A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 10/01/12 12:47	C	10/01/12 13:24	C	10/01/12 14:04	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.8	B	4.3	U			P
Barium			1.5	B	1.1	U	1.3	B			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			31.0	U	31.0	U	31.0	U			P
Lead			4.2	U	4.2	U	4.2	U			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Potassium			123.8	B	93.7	B	182.7	B			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			29.0	U	29.0	U	29.0	U			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.9	U	4.9	U	4.9	U			P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121001A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 10/01/12 14:40	C	10/01/12 15:17	C	10/01/12 15:50	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.3	U					P
Barium			1.1	U	1.1	U					P
Beryllium			0.3	U	0.3	U					P
Cadmium			0.9	U	0.9	U					P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U					P
Cobalt			0.7	U	0.7	U					P
Copper			3.6	U	3.6	U					P
Iron			34.7	B	31.0	U	31.0	U			P
Lead			4.2	U	4.2	U					P
Magnesium			76.0	U	76.0	U					P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U					P
Potassium			209.0	B	121.3	B					P
Selenium			12.0	U	12.0	U					P
Silver			6.9	U	6.9	U					P
Sodium			29.0	U	29.0	U					P
Thallium			6.2	U	6.2	U					P
Vanadium			1.1	U	1.1	U					P
Zinc			6.3	B	6.9	B					P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1966

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121001A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	10/01/12 16:27	C	10/01/12 17:00	C		C		C	M
Aluminum			66.0	U	66.0	U					P
Calcium			110.0	U	110.0	U					P
Iron			31.0	U	31.0	U					P
Manganese			10.0	U	10.0	U					P

Report Date:
11-Oct-12 17:55

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: L1967
Project : BLCP Buffalo
Project #: D007621-1

Attn: John P. Blaum

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
L1967-01	SB-10 0-4	Soil	18-Sep-12 08:35	20-Sep-12 08:40
L1967-02	SB-10 4-8	Soil	18-Sep-12 08:35	20-Sep-12 08:40
L1967-03	SB-10 8-12	Soil	18-Sep-12 08:35	20-Sep-12 08:40
L1967-04	SB-11 0-4	Soil	18-Sep-12 09:05	20-Sep-12 08:40
L1967-05	SB-11 4-8	Soil	18-Sep-12 09:05	20-Sep-12 08:40
L1967-06	SB-11 8-12	Soil	18-Sep-12 09:05	20-Sep-12 08:40
L1967-07	DUP 2	Soil	18-Sep-12 09:05	20-Sep-12 08:40
L1967-08	SB-12 0-4	Soil	18-Sep-12 09:35	20-Sep-12 08:40
L1967-09	SB-12 4-8	Soil	18-Sep-12 09:35	20-Sep-12 08:40
L1967-10	SB-12 8-12	Soil	18-Sep-12 09:35	20-Sep-12 08:40
L1967-11	SB-13 0-4	Soil	18-Sep-12 09:55	20-Sep-12 08:40
L1967-12	SB-13 4-8	Soil	18-Sep-12 09:55	20-Sep-12 08:40
L1967-13	SB-13 8-12	Soil	18-Sep-12 09:55	20-Sep-12 08:40
L1967-14	SB-14 0-4	Soil	18-Sep-12 10:45	20-Sep-12 08:40
L1967-15	SB-14 4-8	Soil	18-Sep-12 10:45	20-Sep-12 08:40
L1967-16	SB-14 8-12	Soil	18-Sep-12 10:45	20-Sep-12 08:40
L1967-17	SB-14 12-16	Soil	18-Sep-12 10:45	20-Sep-12 08:40
L1967-18	SB-14 16-20	Soil	18-Sep-12 10:45	20-Sep-12 08:40
L1967-19	SB-15 0-4	Soil	18-Sep-12 11:50	20-Sep-12 08:40
L1967-20	SB-16 0-4	Soil	18-Sep-12 13:15	20-Sep-12 08:40

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

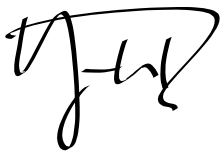
Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:



Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

175 Metro Center Boulevard · Warwick, RI 02886-1755 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : BLCP Buffalo -- D007621-1 **SDG :** L1967

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-10 0-4	L1967-01				SW6010_S	
SB-10 4-8	L1967-02				SW6010_S	
SB-10 8-12	L1967-03				SW6010_S	
SB-11 0-4	L1967-04				SW6010_S	
SB-11 4-8	L1967-05				SW6010_S	
SB-11 8-12	L1967-06				SW6010_S	
DUP 2	L1967-07				SW6010_S	
SB-12 0-4	L1967-08				SW6010_S	
SB-12 4-8	L1967-09				SW6010_S	
SB-12 8-12	L1967-10				SW6010_S	
SB-13 0-4	L1967-11				SW6010_S	
SB-13 4-8	L1967-12				SW6010_S	
SB-13 8-12	L1967-13				SW6010_S	
SB-14 0-4	L1967-14				SW6010_S	
SB-14 4-8	L1967-15				SW6010_S	
SB-14 8-12	L1967-16				SW6010_S	
SB-14 12-16	L1967-17				SW6010_S	
SB-14 16-20	L1967-18				SW6010_S	
SB-15 0-4	L1967-19				SW6010_S	
SB-16 0-4	L1967-20				SW6010_S	

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : BLCP Buffalo -- D007621-1 **SDG :** L1967

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
L1967-01A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-02A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-03A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-04A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-05A	SL	SW6010_S	9/20/2012	10/3/2012
L1967-06A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-07A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-08A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-09A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-10A	SL	SW6010_S	9/20/2012	10/3/2012
L1967-11A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-12A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-13A	SL	SW6010_S	9/20/2012	10/3/2012
L1967-14A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-15A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-16A	SL	SW6010_S	9/20/2012	10/3/2012
L1967-17A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-18A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-19A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-20A	SL	SW6010_S	9/20/2012	10/5/2012
L1967-20ADUP	SL	SW6010_S	9/20/2012	10/5/2012
L1967-20AMS	SL	SW6010_S	9/20/2012	10/3/2012

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: L1967

Client ID: CDM_LATHAM
Project: CLCP Buffalo
WO Name: BLCP Buffalo
Location: CDM_BLCP, D007621-1
Comments: N/A

Case:
SDG:
PO: 0897-91667

HC Due: 10/09/12
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
L1967-01A	SB-10 0-4	09/18/2012 08:35	09/20/2012	Soil	PMoist	/					A4
L1967-01A	SB-10 0-4	09/18/2012 08:35	09/20/2012	Soil	SW6010_S	/					A4
L1967-02A	SB-10 4-8	09/18/2012 08:35	09/20/2012	Soil	PMoist	/					A4
L1967-02A	SB-10 4-8	09/18/2012 08:35	09/20/2012	Soil	SW6010_S	/					A4
L1967-03A	SB-10 8-12	09/18/2012 08:35	09/20/2012	Soil	PMoist	/					A4
L1967-03A	SB-10 8-12	09/18/2012 08:35	09/20/2012	Soil	SW6010_S	/					A4
L1967-04A	SB-11 0-4	09/18/2012 09:05	09/20/2012	Soil	PMoist	/					A4
L1967-04A	SB-11 0-4	09/18/2012 09:05	09/20/2012	Soil	SW6010_S	/					A4
L1967-05A	SB-11 4-8	09/18/2012 09:05	09/20/2012	Soil	PMoist	/					A4
L1967-05A	SB-11 4-8	09/18/2012 09:05	09/20/2012	Soil	SW6010_S	/					A4
L1967-06A	SB-11 8-12	09/18/2012 09:05	09/20/2012	Soil	PMoist	/					A4
L1967-06A	SB-11 8-12	09/18/2012 09:05	09/20/2012	Soil	SW6010_S	/					A4
L1967-07A	DUP 2	09/18/2012 09:05	09/20/2012	Soil	PMoist	/					A4
L1967-07A	DUP 2	09/18/2012 09:05	09/20/2012	Soil	SW6010_S	/					A4
L1967-08A	SB-12 0-4	09/18/2012 09:35	09/20/2012	Soil	PMoist	/					A4
L1967-08A	SB-12 0-4	09/18/2012 09:35	09/20/2012	Soil	SW6010_S	/					A4
L1967-09A	SB-12 4-8	09/18/2012 09:35	09/20/2012	Soil	PMoist	/					A4
L1967-09A	SB-12 4-8	09/18/2012 09:35	09/20/2012	Soil	SW6010_S	/					A4
L1967-10A	SB-12 8-12	09/18/2012 09:35	09/20/2012	Soil	PMoist	/					A4
L1967-10A	SB-12 8-12	09/18/2012 09:35	09/20/2012	Soil	SW6010_S	/					A4
L1967-11A	SB-13 0-4	09/18/2012 09:55	09/20/2012	Soil	PMoist	/					A4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: L1967

Client ID: CDM_LATHAM
Project: CLCP Buffalo
WO Name: BLCP Buffalo
Location: CDM_BLCP, D007621-1
Comments: N/A

Case:
SDG:
PO: 0897-91667

HC Due: 10/09/12
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
L1967-11A	SB-13 0-4	09/18/2012 09:55	09/20/2012	Soil	SW6010_S	/					A4
L1967-12A	SB-13 4-8	09/18/2012 09:55	09/20/2012	Soil	PMoist	/					A4
L1967-12A	SB-13 4-8	09/18/2012 09:55	09/20/2012	Soil	SW6010_S	/					A4
L1967-13A	SB-13 8-12	09/18/2012 09:55	09/20/2012	Soil	PMoist	/					A4
L1967-13A	SB-13 8-12	09/18/2012 09:55	09/20/2012	Soil	SW6010_S	/					A4
L1967-14A	SB-14 0-4	09/18/2012 10:45	09/20/2012	Soil	PMoist	/					A4
L1967-14A	SB-14 0-4	09/18/2012 10:45	09/20/2012	Soil	SW6010_S	/					A4
L1967-15A	SB-14 4-8	09/18/2012 10:45	09/20/2012	Soil	PMoist	/					A4
L1967-15A	SB-14 4-8	09/18/2012 10:45	09/20/2012	Soil	SW6010_S	/					A4
L1967-16A	SB-14 8-12	09/18/2012 10:45	09/20/2012	Soil	PMoist	/					A4
L1967-16A	SB-14 8-12	09/18/2012 10:45	09/20/2012	Soil	SW6010_S	/					A4
L1967-17A	SB-14 12-16	09/18/2012 10:45	09/20/2012	Soil	PMoist	/					A4
L1967-17A	SB-14 12-16	09/18/2012 10:45	09/20/2012	Soil	SW6010_S	/					A4
L1967-18A	SB-14 16-20	09/18/2012 10:45	09/20/2012	Soil	PMoist	/					A4
L1967-18A	SB-14 16-20	09/18/2012 10:45	09/20/2012	Soil	SW6010_S	/					A4
L1967-19A	SB-15 0-4	09/18/2012 11:50	09/20/2012	Soil	PMoist	/					A4
L1967-19A	SB-15 0-4	09/18/2012 11:50	09/20/2012	Soil	SW6010_S	/					A4
L1967-20A	SB-16 0-4	09/18/2012 13:15	09/20/2012	Soil	PMoist	/					A4
L1967-20A	SB-16 0-4	09/18/2012 13:15	09/20/2012	Soil	SW6010_S	/					A4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: BLCP Buffalo

Laboratory Workorder / SDG #: L1967

SW846 6010C

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 6010C.

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3050B.

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on sample: SB-16 0-4 (L1967-20AMS).

Percent recoveries were within the QC limits with the following exceptions:

SB-16 0-4 (L1967-20AMS), Spike sample recovery is below criteria for Antimony at 38% with criteria of (75-125), Nickel at 73% with criteria of (75-125), Selenium at 0% with criteria of (75-125) and Thallium at 22% with criteria of (75-125).

D. Post Digestion Spike (PDS):

Post-digestion spike analysis was performed on sample: SB-16 0-4 (L1967-20APDS).

SB-16 0-4 (L1967-20APDS) for Antimony, Nickel, Selenium and Thallium due to recoveries of these elements outside of QC limits in the matrix spike.

E. Duplicate sample:

Duplicate analyses were performed on sample: SB-16 0-4 (L1967-20ADUP).

Relative percent differences were within the QC limits with the following exceptions:

SB-16 0-4 (L1967-20ADUP), Duplicate analysis not within control limit for Antimony and Copper.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on sample: SB-16 0-4 (L1967-20ASD).

Percent differences were within the QC limits with the exception of the following:

SB-16 0-4 (L1967-20ASD), Serial Dilution analysis not within control limit for Arsenic, Cadmium, Cobalt, Lead, Magnesium, Nickel and Vanadium.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 10/11/12

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

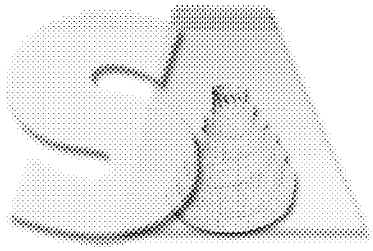
E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DUP 2

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-07

Level (low/med): MED Date Received: 09/20/2012

% Solids: 66.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25000			P
7440-36-0	Antimony	2.5		N*	P
7440-38-2	Arsenic	93.7		E	P
7440-39-3	Barium	252			P
7440-41-7	Beryllium	1.7			P
7440-43-9	Cadmium	6.7		E	P
7440-70-2	Calcium	192000			P
7440-47-3	Chromium	56.5			P
7440-48-4	Cobalt	10.6		E	P
7440-50-8	Copper	106		*	P
7439-89-6	Iron	66700			P
7439-92-1	Lead	182		E	P
7439-95-4	Magnesium	8040		E	P
7439-96-5	Manganese	311			P
7440-02-0	Nickel	31.5		NE	P
7440-09-7	Potassium	3730			P
7782-49-2	Selenium	8.4		N	P
7440-22-4	Silver	5.3			P
7440-23-5	Sodium	345			P
7440-28-0	Thallium	8.7		N	P
7440-62-2	Vanadium	49.9		E	P
7440-66-6	Zinc	1050			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-10 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-01

Level (low/med): MED Date Received: 09/20/2012

% Solids: 83.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26200			P
7440-36-0	Antimony	0.57	B	N*	P
7440-38-2	Arsenic	8.6		E	P
7440-39-3	Barium	218			P
7440-41-7	Beryllium	4.5			P
7440-43-9	Cadmium	2.4		E	P
7440-70-2	Calcium	135000			P
7440-47-3	Chromium	19.1			P
7440-48-4	Cobalt	4.5		E	P
7440-50-8	Copper	55.0		*	P
7439-89-6	Iron	39800			P
7439-92-1	Lead	553		E	P
7439-95-4	Magnesium	25400		E	P
7439-96-5	Manganese	1800			P
7440-02-0	Nickel	16.8		NE	P
7440-09-7	Potassium	1550			P
7782-49-2	Selenium	5.4		N	P
7440-22-4	Silver	0.37	B		P
7440-23-5	Sodium	618			P
7440-28-0	Thallium	3.2		N	P
7440-62-2	Vanadium	11.9		E	P
7440-66-6	Zinc	754			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-10 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-02

Level (low/med): MED Date Received: 09/20/2012

% Solids: 83.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12100			P
7440-36-0	Antimony	0.40	U	N*	P
7440-38-2	Arsenic	10.7		E	P
7440-39-3	Barium	53.2			P
7440-41-7	Beryllium	0.77			P
7440-43-9	Cadmium	0.77		E	P
7440-70-2	Calcium	77600			P
7440-47-3	Chromium	31.7			P
7440-48-4	Cobalt	11.0		E	P
7440-50-8	Copper	39.2		*	P
7439-89-6	Iron	39800			P
7439-92-1	Lead	49.1		E	P
7439-95-4	Magnesium	7140		E	P
7439-96-5	Manganese	587			P
7440-02-0	Nickel	35.7		NE	P
7440-09-7	Potassium	1480			P
7782-49-2	Selenium	2.4		N	P
7440-22-4	Silver	0.093	B		P
7440-23-5	Sodium	157			P
7440-28-0	Thallium	0.23	U	N	P
7440-62-2	Vanadium	22.4		E	P
7440-66-6	Zinc	173			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-10 8-12

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-03

Level (low/med): MED Date Received: 09/20/2012

% Solids: 58.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26700			P
7440-36-0	Antimony	1.2	B	N*	P
7440-38-2	Arsenic	82.0		E	P
7440-39-3	Barium	157			P
7440-41-7	Beryllium	1.8			P
7440-43-9	Cadmium	8.1		E	P
7440-70-2	Calcium	214000			P
7440-47-3	Chromium	50.5			P
7440-48-4	Cobalt	13.0		E	P
7440-50-8	Copper	106		*	P
7439-89-6	Iron	42700			P
7439-92-1	Lead	167		E	P
7439-95-4	Magnesium	7070		E	P
7439-96-5	Manganese	879			P
7440-02-0	Nickel	26.7		NE	P
7440-09-7	Potassium	17300			P
7782-49-2	Selenium	17.9		N	P
7440-22-4	Silver	7.2			P
7440-23-5	Sodium	903			P
7440-28-0	Thallium	4.8		N	P
7440-62-2	Vanadium	47.1		E	P
7440-66-6	Zinc	817			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-11 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-04

Level (low/med): MED Date Received: 09/20/2012

% Solids: 75.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11200			P
7440-36-0	Antimony	7.8		N*	P
7440-38-2	Arsenic	22.9		E	P
7440-39-3	Barium	136			P
7440-41-7	Beryllium	1.8			P
7440-43-9	Cadmium	18.6		E	P
7440-70-2	Calcium	48500			P
7440-47-3	Chromium	50.5			P
7440-48-4	Cobalt	9.1		E	P
7440-50-8	Copper	181		*	P
7439-89-6	Iron	257000			P
7439-92-1	Lead	3560		E	P
7439-95-4	Magnesium	8500		E	P
7439-96-5	Manganese	7940			P
7440-02-0	Nickel	29.9		NE	P
7440-09-7	Potassium	833			P
7782-49-2	Selenium	0.84	U	N	P
7440-22-4	Silver	1.8	B		P
7440-23-5	Sodium	208			P
7440-28-0	Thallium	0.29	U	N	P
7440-62-2	Vanadium	13.5		E	P
7440-66-6	Zinc	6150			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-11 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-05

Level (low/med): MED Date Received: 09/20/2012

% Solids: 71.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25700			P
7440-36-0	Antimony	1.4	B	N*	P
7440-38-2	Arsenic	76.1		E	P
7440-39-3	Barium	282			P
7440-41-7	Beryllium	1.7			P
7440-43-9	Cadmium	6.6		E	P
7440-70-2	Calcium	194000			P
7440-47-3	Chromium	67.3			P
7440-48-4	Cobalt	10.6		E	P
7440-50-8	Copper	59.1		*	P
7439-89-6	Iron	25100			P
7439-92-1	Lead	217		E	P
7439-95-4	Magnesium	21000		E	P
7439-96-5	Manganese	521			P
7440-02-0	Nickel	29.1		NE	P
7440-09-7	Potassium	6220			P
7782-49-2	Selenium	8.1		N	P
7440-22-4	Silver	5.5			P
7440-23-5	Sodium	516			P
7440-28-0	Thallium	8.2		N	P
7440-62-2	Vanadium	37.4		E	P
7440-66-6	Zinc	1080			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-11 8-12

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-06

Level (low/med): MED Date Received: 09/20/2012

% Solids: 61.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28800			P
7440-36-0	Antimony	3.2		N*	P
7440-38-2	Arsenic	126		E	P
7440-39-3	Barium	285			P
7440-41-7	Beryllium	2.1			P
7440-43-9	Cadmium	8.4		E	P
7440-70-2	Calcium	203000			P
7440-47-3	Chromium	61.7			P
7440-48-4	Cobalt	13.7		E	P
7440-50-8	Copper	98.9		*	P
7439-89-6	Iron	46000			P
7439-92-1	Lead	233		E	P
7439-95-4	Magnesium	4440		E	P
7439-96-5	Manganese	210			P
7440-02-0	Nickel	40.1		NE	P
7440-09-7	Potassium	19700			P
7782-49-2	Selenium	11.0		N	P
7440-22-4	Silver	7.3			P
7440-23-5	Sodium	559			P
7440-28-0	Thallium	10.1		N	P
7440-62-2	Vanadium	47.1		E	P
7440-66-6	Zinc	1330			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-12 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-08

Level (low/med): MED Date Received: 09/20/2012

% Solids: 80.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7730			P
7440-36-0	Antimony	4.7		N*	P
7440-38-2	Arsenic	10.5		E	P
7440-39-3	Barium	86.5			P
7440-41-7	Beryllium	1.4			P
7440-43-9	Cadmium	17.0		E	P
7440-70-2	Calcium	30100			P
7440-47-3	Chromium	63.7			P
7440-48-4	Cobalt	7.1		E	P
7440-50-8	Copper	176		*	P
7439-89-6	Iron	229000			P
7439-92-1	Lead	3670		E	P
7439-95-4	Magnesium	5380		E	P
7439-96-5	Manganese	5100			P
7440-02-0	Nickel	44.7		NE	P
7440-09-7	Potassium	912			P
7782-49-2	Selenium	0.65	U	N	P
7440-22-4	Silver	4.0			P
7440-23-5	Sodium	158			P
7440-28-0	Thallium	0.22	U	N	P
7440-62-2	Vanadium	10.7		E	P
7440-66-6	Zinc	6760			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-12 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-09

Level (low/med): MED Date Received: 09/20/2012

% Solids: 83.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5660			P
7440-36-0	Antimony	2.1		N*	P
7440-38-2	Arsenic	17.9		E	P
7440-39-3	Barium	70.5			P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	9.8		E	P
7440-70-2	Calcium	30000			P
7440-47-3	Chromium	19.1			P
7440-48-4	Cobalt	7.3		E	P
7440-50-8	Copper	29.6		*	P
7439-89-6	Iron	250000			P
7439-92-1	Lead	261		E	P
7439-95-4	Magnesium	7570		E	P
7439-96-5	Manganese	6760			P
7440-02-0	Nickel	11.5		NE	P
7440-09-7	Potassium	934			P
7782-49-2	Selenium	0.48	U	N	P
7440-22-4	Silver	0.050	B		P
7440-23-5	Sodium	164			P
7440-28-0	Thallium	0.17	U	N	P
7440-62-2	Vanadium	10.3		E	P
7440-66-6	Zinc	711			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-12 8-12

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-10

Level (low/med): MED Date Received: 09/20/2012

% Solids: 62.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25500			P
7440-36-0	Antimony	1.5	B	N*	P
7440-38-2	Arsenic	64.1		E	P
7440-39-3	Barium	367			P
7440-41-7	Beryllium	2.0			P
7440-43-9	Cadmium	6.8		E	P
7440-70-2	Calcium	219000			P
7440-47-3	Chromium	60.4			P
7440-48-4	Cobalt	13.0		E	P
7440-50-8	Copper	74.7		*	P
7439-89-6	Iron	30100			P
7439-92-1	Lead	227		E	P
7439-95-4	Magnesium	5500		E	P
7439-96-5	Manganese	526			P
7440-02-0	Nickel	33.4		NE	P
7440-09-7	Potassium	11100			P
7782-49-2	Selenium	10.9		N	P
7440-22-4	Silver	5.0			P
7440-23-5	Sodium	466			P
7440-28-0	Thallium	6.1		N	P
7440-62-2	Vanadium	44.3		E	P
7440-66-6	Zinc	1310			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-13 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-11

Level (low/med): MED Date Received: 09/20/2012

% Solids: 84.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11100			P
7440-36-0	Antimony	1.6		N*	P
7440-38-2	Arsenic	11.3		E	P
7440-39-3	Barium	76.8			P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	4.2		E	P
7440-70-2	Calcium	58000			P
7440-47-3	Chromium	63.6			P
7440-48-4	Cobalt	9.7		E	P
7440-50-8	Copper	94.7		*	P
7439-89-6	Iron	81900			P
7439-92-1	Lead	947		E	P
7439-95-4	Magnesium	8690		E	P
7439-96-5	Manganese	1610			P
7440-02-0	Nickel	43.9		NE	P
7440-09-7	Potassium	1170			P
7782-49-2	Selenium	3.2		N	P
7440-22-4	Silver	0.63	B		P
7440-23-5	Sodium	192			P
7440-28-0	Thallium	0.47	B	N	P
7440-62-2	Vanadium	19.7		E	P
7440-66-6	Zinc	1610			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-13 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-12

Level (low/med): MED Date Received: 09/20/2012

% Solids: 81.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13800			P
7440-36-0	Antimony	3.7		N*	P
7440-38-2	Arsenic	17.8		E	P
7440-39-3	Barium	162			P
7440-41-7	Beryllium	2.6			P
7440-43-9	Cadmium	14.3		E	P
7440-70-2	Calcium	74700			P
7440-47-3	Chromium	98.5			P
7440-48-4	Cobalt	8.8		E	P
7440-50-8	Copper	161		*	P
7439-89-6	Iron	180000			P
7439-92-1	Lead	2350		E	P
7439-95-4	Magnesium	14800		E	P
7439-96-5	Manganese	4290			P
7440-02-0	Nickel	51.9		NE	P
7440-09-7	Potassium	1900			P
7782-49-2	Selenium	0.73	U	N	P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	448			P
7440-28-0	Thallium	0.25	U	N	P
7440-62-2	Vanadium	17.1		E	P
7440-66-6	Zinc	3830			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-13 8-12

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-13

Level (low/med): MED Date Received: 09/20/2012

% Solids: 57.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	36800			P
7440-36-0	Antimony	2.0		N*	P
7440-38-2	Arsenic	101		E	P
7440-39-3	Barium	474			P
7440-41-7	Beryllium	2.0			P
7440-43-9	Cadmium	9.4		E	P
7440-70-2	Calcium	325000			P
7440-47-3	Chromium	120			P
7440-48-4	Cobalt	17.3		E	P
7440-50-8	Copper	98.7		*	P
7439-89-6	Iron	30500			P
7439-92-1	Lead	241		E	P
7439-95-4	Magnesium	8230		E	P
7439-96-5	Manganese	267			P
7440-02-0	Nickel	42.2		NE	P
7440-09-7	Potassium	11500			P
7782-49-2	Selenium	11.4		N	P
7440-22-4	Silver	7.2			P
7440-23-5	Sodium	572			P
7440-28-0	Thallium	8.8		N	P
7440-62-2	Vanadium	67.8		E	P
7440-66-6	Zinc	1460			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-14 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-14

Level (low/med): MED Date Received: 09/20/2012

% Solids: 85.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12800			P
7440-36-0	Antimony	2.0		N*	P
7440-38-2	Arsenic	12.8		E	P
7440-39-3	Barium	128			P
7440-41-7	Beryllium	1.6			P
7440-43-9	Cadmium	6.2		E	P
7440-70-2	Calcium	52600			P
7440-47-3	Chromium	63.6			P
7440-48-4	Cobalt	6.7		E	P
7440-50-8	Copper	91.0		*	P
7439-89-6	Iron	95100			P
7439-92-1	Lead	1380		E	P
7439-95-4	Magnesium	13500		E	P
7439-96-5	Manganese	1920			P
7440-02-0	Nickel	34.5		NE	P
7440-09-7	Potassium	1980			P
7782-49-2	Selenium	2.7		N	P
7440-22-4	Silver	1.8			P
7440-23-5	Sodium	359			P
7440-28-0	Thallium	0.65	B	N	P
7440-62-2	Vanadium	21.4		E	P
7440-66-6	Zinc	1500			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-14 12-16

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-17

Level (low/med): MED Date Received: 09/20/2012

% Solids: 76.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8500			P
7440-36-0	Antimony	5.5		N*	P
7440-38-2	Arsenic	13.1		E	P
7440-39-3	Barium	84.6			P
7440-41-7	Beryllium	1.6			P
7440-43-9	Cadmium	22.7		E	P
7440-70-2	Calcium	25600			P
7440-47-3	Chromium	109			P
7440-48-4	Cobalt	8.8		E	P
7440-50-8	Copper	318		*	P
7439-89-6	Iron	209000			P
7439-92-1	Lead	8640		E	P
7439-95-4	Magnesium	7160		E	P
7439-96-5	Manganese	4900			P
7440-02-0	Nickel	71.6		NE	P
7440-09-7	Potassium	640			P
7782-49-2	Selenium	15.2		N	P
7440-22-4	Silver	4.3			P
7440-23-5	Sodium	177			P
7440-28-0	Thallium	0.23	U	N	P
7440-62-2	Vanadium	11.5		E	P
7440-66-6	Zinc	8620			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-14 16-20

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-18

Level (low/med): MED Date Received: 09/20/2012

% Solids: 69.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21800			P
7440-36-0	Antimony	1.5		N*	P
7440-38-2	Arsenic	73.8		E	P
7440-39-3	Barium	187			P
7440-41-7	Beryllium	1.6			P
7440-43-9	Cadmium	5.6		E	P
7440-70-2	Calcium	161000			P
7440-47-3	Chromium	49.5			P
7440-48-4	Cobalt	9.8		E	P
7440-50-8	Copper	87.8		*	P
7439-89-6	Iron	91100			P
7439-92-1	Lead	212		E	P
7439-95-4	Magnesium	12400		E	P
7439-96-5	Manganese	693			P
7440-02-0	Nickel	30.7		NE	P
7440-09-7	Potassium	5810			P
7782-49-2	Selenium	7.3		N	P
7440-22-4	Silver	3.0			P
7440-23-5	Sodium	562			P
7440-28-0	Thallium	2.7		N	P
7440-62-2	Vanadium	40.9		E	P
7440-66-6	Zinc	842			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-14 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-15

Level (low/med): MED Date Received: 09/20/2012

% Solids: 83.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22500			P
7440-36-0	Antimony	0.54	B	N*	P
7440-38-2	Arsenic	8.6		E	P
7440-39-3	Barium	211			P
7440-41-7	Beryllium	2.8			P
7440-43-9	Cadmium	0.80		E	P
7440-70-2	Calcium	117000			P
7440-47-3	Chromium	39.2			P
7440-48-4	Cobalt	4.5		E	P
7440-50-8	Copper	33.3		*	P
7439-89-6	Iron	38500			P
7439-92-1	Lead	116		E	P
7439-95-4	Magnesium	15800		E	P
7439-96-5	Manganese	3780			P
7440-02-0	Nickel	14.4		NE	P
7440-09-7	Potassium	2240			P
7782-49-2	Selenium	4.9		N	P
7440-22-4	Silver	0.062	U		P
7440-23-5	Sodium	631			P
7440-28-0	Thallium	6.3		N	P
7440-62-2	Vanadium	21.5		E	P
7440-66-6	Zinc	198			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-14 8-12

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-16

Level (low/med): MED Date Received: 09/20/2012

% Solids: 82.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26500			P
7440-36-0	Antimony	0.42	U	N*	P
7440-38-2	Arsenic	6.3		E	P
7440-39-3	Barium	225			P
7440-41-7	Beryllium	3.0			P
7440-43-9	Cadmium	0.44		E	P
7440-70-2	Calcium	128000			P
7440-47-3	Chromium	32.9			P
7440-48-4	Cobalt	4.2		E	P
7440-50-8	Copper	30.7		*	P
7439-89-6	Iron	19200			P
7439-92-1	Lead	93.4		E	P
7439-95-4	Magnesium	19700		E	P
7439-96-5	Manganese	3960			P
7440-02-0	Nickel	15.6		NE	P
7440-09-7	Potassium	3150			P
7782-49-2	Selenium	5.0		N	P
7440-22-4	Silver	0.071	U		P
7440-23-5	Sodium	829			P
7440-28-0	Thallium	8.1		N	P
7440-62-2	Vanadium	23.9		E	P
7440-66-6	Zinc	184			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-15 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-19

Level (low/med): MED Date Received: 09/20/2012

% Solids: 79.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8210			P
7440-36-0	Antimony	3.2		N*	P
7440-38-2	Arsenic	13.8		E	P
7440-39-3	Barium	104			P
7440-41-7	Beryllium	1.7			P
7440-43-9	Cadmium	11.7		E	P
7440-70-2	Calcium	31500			P
7440-47-3	Chromium	186			P
7440-48-4	Cobalt	10.4		E	P
7440-50-8	Copper	227		*	P
7439-89-6	Iron	189000			P
7439-92-1	Lead	2560		E	P
7439-95-4	Magnesium	9620		E	P
7439-96-5	Manganese	3750			P
7440-02-0	Nickel	101		NE	P
7440-09-7	Potassium	789			P
7782-49-2	Selenium	0.76	U	N	P
7440-22-4	Silver	2.4			P
7440-23-5	Sodium	127			P
7440-28-0	Thallium	0.26	U	N	P
7440-62-2	Vanadium	21.3		E	P
7440-66-6	Zinc	2780			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-16 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Lab Sample ID: L1967-20

Level (low/med): MED Date Received: 09/20/2012

% Solids: 79.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8850			P
7440-36-0	Antimony	3.6		N*	P
7440-38-2	Arsenic	14.7		E	P
7440-39-3	Barium	124			P
7440-41-7	Beryllium	1.6			P
7440-43-9	Cadmium	14.6		E	P
7440-70-2	Calcium	36900			P
7440-47-3	Chromium	244			P
7440-48-4	Cobalt	11.2		E	P
7440-50-8	Copper	590		*	P
7439-89-6	Iron	216000			P
7439-92-1	Lead	2970		E	P
7439-95-4	Magnesium	9620		E	P
7439-96-5	Manganese	4490			P
7440-02-0	Nickel	107		NE	P
7440-09-7	Potassium	2160			P
7782-49-2	Selenium	0.60	U	N	P
7440-22-4	Silver	1.2	B		P
7440-23-5	Sodium	249			P
7440-28-0	Thallium	0.21	U	N	P
7440-62-2	Vanadium	17.9		E	P
7440-66-6	Zinc	6380			P

Comments:

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-68405**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	466.1		364	546.0	102.4
Antimony				22.8	24.2		18.2	27.3	106.1
Arsenic				22.8	22.8		18.2	27.3	100.0
Barium				455.0	475.2		364	546.0	104.4
Beryllium				11.4	11.7		9.1	13.6	102.6
Cadmium				11.4	11.4		9.1	13.6	100.0
Calcium				1135.0	1121.5		908	1362.0	98.8
Chromium				45.5	46.9		36.4	54.6	103.1
Cobalt				113.5	117.7		90.8	136.2	103.7
Copper				56.5	56.7		45.2	67.8	100.4
Iron				227.5	241.2		182	273.0	106.0
Lead				22.8	23.1		18.2	27.3	101.3
Magnesium				1135.0	1169.7		908	1362.0	103.1
Manganese				113.5	117.9		90.8	136.2	103.9
Nickel				113.5	117.6		90.8	136.2	103.6
Potassium				1135.0	1168.8		908	1362.0	103.0
Selenium				22.8	21.6		18.2	27.3	94.7
Silver				56.5	57.2		42.4	67.8	101.2
Sodium				1135.0	1120.4		908	1362.0	98.7
Thallium				22.8	21.0		18.2	27.3	92.1
Vanadium				113.5	114.4		90.8	136.2	100.8
Zinc				113.5	112.8		90.8	136.2	99.4

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-16 0-4S

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 79.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	11.8		3.6		21.4	38	N	P
Arsenic	75-125	35.4		14.7		21.4	97		P
Barium	75-125	513		124		428	91		P
Beryllium	75-125	11.3		1.6		10.7	91		P
Cadmium	75-125	24.9		14.6		10.7	96		P
Chromium		243		244		42.8	-3		P
Cobalt	75-125	102		11.2		107	85		P
Copper		358		590		53.2	-436		P
Lead		3230		2970		21.4	1254		P
Nickel	75-125	184		107		107	73	N	P
Selenium	75-125	0.60	U	0.60	U	21.4	0	N	P
Silver	75-125	58.0		1.2	B	53.2	107		P
Thallium	75-125	4.7		0.21	U	21.4	22	N	P
Vanadium	75-125	120		17.9		107	96		P
Zinc		7300		6380		107	867		P

Comments:

U.S. EPA - CLP

5B

EPA SAMPLE NO.

POST DIGEST SPIKE SAMPLE RECOVERY

SB-16 0-4A

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		476.14		77.05		455.0	88		P
Nickel		3751.28		2264.77		2270.0	66		P
Selenium		21.24	B	0.64	U	455.0	5		P
Thallium		170.66		0.22	U	455.0	38		P

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

SB-16 0-4D

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 79.9 % Solids for Duplicate: 79.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		8848.7503		10041.1203		12.6		P
Antimony	0.9	3.6253		4.9646		31.2	*	P
Arsenic		14.7463		16.5073		11.3		P
Barium		123.7770		135.5374		9.1		P
Beryllium		1.6381		1.8870		14.1		P
Cadmium		14.6011		16.4613		12		P
Calcium		36948.8376		43933.5565		17.3		P
Chromium		243.9859		203.5843		18.1		P
Cobalt	2.4	11.1894		11.3364		1.3		P
Copper		590.1868		227.9164		88.6	*	P
Iron		215742.5970		247198.6766		13.6		P
Lead		2965.2240		3208.4665		7.9		P
Magnesium		9618.4748		10877.3595		12.3		P
Manganese		4488.7219		5372.9251		17.9		P
Nickel		106.5569		92.2104		14.4		P
Potassium		2160.4474		2593.3870		18.2		P
Selenium		0.6000	U	0.6000	U			P
Silver	1.4	1.1971	B	2.1150		55.4		P
Sodium		248.6866		264.0654		6		P
Thallium		0.2100	U	0.2100	U			P
Vanadium		17.8884		18.9622		5.8		P
Zinc		6375.4554		7029.4220		9.8		P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-68405**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_121002B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 10/02/12 12:18	C	10/02/12 12:52	C	10/02/12 13:25	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	1.999	B	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	0.410	U	P
Barium	1.5	B	1.5	B	1.1	U	1.1	U	0.073	B	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.037	B	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.127	B	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	4.171	B	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	0.834	B	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.248	B	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.043	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	0.640	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	29.0	U	29.0	U	59.6	B	34.2	B	1.100	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.060	U	P

3
BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121002B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 10/02/12 14:03	C	10/02/12 14:37	C	10/02/12 15:13	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.3	U	4.3	U			P
Barium			1.2	B	1.5	B	1.1	U			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	-148.6	B			P
Chromium			0.6	U	0.8	B	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			31.0	U	31.0	U	31.0	U			P
Lead			4.2	U	4.2	U	4.2	U			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			29.0	U	29.0	U	29.0	U			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121002B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 10/02/12 15:55	C	10/02/12 16:35	C	10/02/12 17:09	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.3	U	4.3	U			P
Barium			1.1	U	1.1	U	1.1	U			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			31.0	U	31.0	U					P
Lead			4.2	U	4.9	B	11.1				P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			29.0	U	29.0	U	29.0	U			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121002B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	10/02/12 17:42	C	10/02/12 18:23	C	10/02/12 18:56	C		C	M
Calcium			110.0	U	110.0	U	110.0	U			P
Lead			6.8	B	5.6	B	5.5	B			P
Manganese			10.0	U	10.0	U	10.0	U			P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-68405**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_121003A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	10/03/12 9:03	C	10/03/12 9:33	C	10/03/12 10:10	C		C	M
Potassium	76.0	U	101.9	B	118.0	B	216.5	B	6.546	B	P
Zinc	4.9	U	4.9	U	-6.0	B	4.9	U	0.180	U	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121003A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	10/03/12 10:50	C	10/03/12 11:24	C	10/03/12 11:51	C		C	M
Potassium			185.0	B	76.0	U	76.0	U			P
Zinc			8.2	B	21.3	B	41.8	B			P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121003A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	10/03/12 12:13	C		C		C		C	M
Zinc			16.8	B							P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121005A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	10/05/12 8:31	C	10/05/12 9:04	C	10/05/12 9:41	C		C	M
Iron	31.0	U	31.0	U	31.0	U	31.0	U			P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121005A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	10/05/12 10:18	C	10/05/12 10:51	C	10/05/12 11:28	C		C	M
Iron			31.0	U	31.0	U	31.0	U			P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1967

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121005A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	10/05/12 11:50	C		C		C		C	M
Iron			31.0	U							P

Report Date:
12-Oct-12 08:33

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: L1968
Project : BLCP Buffalo
Project #: D007621-1

Attn: John P. Blaum

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
L1968-01	SB-16 4-8	Soil	18-Sep-12 13:15	20-Sep-12 08:40
L1968-02	SB-16 8-12	Soil	18-Sep-12 13:15	20-Sep-12 08:40
L1968-03	SB-17 0-4	Soil	18-Sep-12 13:35	20-Sep-12 08:40
L1968-04	SB-17 4-8	Soil	18-Sep-12 13:35	20-Sep-12 08:40
L1968-05	SB-18 0-4	Soil	18-Sep-12 14:05	20-Sep-12 08:40
L1968-06	SB-18 4-8	Soil	18-Sep-12 14:05	20-Sep-12 08:40
L1968-07	SB-19 0-4	Soil	18-Sep-12 14:20	20-Sep-12 08:40
L1968-08	SB-19 4-8	Soil	18-Sep-12 14:20	20-Sep-12 08:40
L1968-09	SB-20 0-4	Soil	18-Sep-12 14:40	20-Sep-12 08:40
L1968-10	SB-20 4-8	Soil	18-Sep-12 14:40	20-Sep-12 08:40
L1968-11	DUP 3	Soil	18-Sep-12 14:40	20-Sep-12 08:40
L1968-12	SB-21 0-4	Soil	18-Sep-12 14:50	20-Sep-12 08:40
L1968-13	SB-21 4-8	Soil	18-Sep-12 14:50	20-Sep-12 08:40
L1968-14	SB-22 0-4	Soil	18-Sep-12 15:05	20-Sep-12 08:40
L1968-15	SB-22 4-8	Soil	18-Sep-12 15:05	20-Sep-12 08:40
L1968-16	SB-23 0-4	Soil	18-Sep-12 15:25	20-Sep-12 08:40
L1968-17	SB-23 4-8	Soil	18-Sep-12 15:25	20-Sep-12 08:40
L1968-18	SB-23 8-12	Soil	18-Sep-12 15:25	20-Sep-12 08:40
L1968-19	SB-25 0-4	Soil	18-Sep-12 15:45	20-Sep-12 08:40
L1968-20	SB-25 4-8	Soil	18-Sep-12 15:45	20-Sep-12 08:40

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

175 Metro Center Boulevard · Warwick, RI 02886-1755 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : BLCP Buffalo -- D007621-1 **SDG :** L1968

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-16 4-8	L1968-01				SW6010_S	
SB-16 8-12	L1968-02				SW6010_S	
SB-17 0-4	L1968-03				SW6010_S	
SB-17 4-8	L1968-04				SW6010_S	
SB-18 0-4	L1968-05				SW6010_S	
SB-18 4-8	L1968-06				SW6010_S	
SB-19 0-4	L1968-07				SW6010_S	
SB-19 4-8	L1968-08				SW6010_S	
SB-20 0-4	L1968-09				SW6010_S	
SB-20 4-8	L1968-10				SW6010_S	
DUP 3	L1968-11				SW6010_S	
SB-21 0-4	L1968-12				SW6010_S	
SB-21 4-8	L1968-13				SW6010_S	
SB-22 0-4	L1968-14				SW6010_S	
SB-22 4-8	L1968-15				SW6010_S	
SB-23 0-4	L1968-16				SW6010_S	
SB-23 4-8	L1968-17				SW6010_S	
SB-23 8-12	L1968-18				SW6010_S	
SB-25 0-4	L1968-19				SW6010_S	
SB-25 4-8	L1968-20				SW6010_S	

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : BLCP Buffalo -- D007621-1 **SDG :** L1968

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
L1968-01A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-02A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-03A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-04A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-05A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-06A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-07A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-08A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-09A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-10A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-11A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-12A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-13A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-14A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-15A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-16A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-17A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-18A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-19A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-20A	SL	SW6010_S	9/20/2012	10/9/2012
L1968-20ADUP	SL	SW6010_S	9/20/2012	10/9/2012
L1968-20AMS	SL	SW6010_S	9/20/2012	10/9/2012

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: L1968

Client ID: CDM_LATHAM
Project: BLCP Buffalo
WO Name: BLCP Buffalo
Location: CDM_BLCP, D007621-1
Comments: N/A

Case:
SDG:
PO: 0897-91667

HC Due: 10/09/12
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
L1968-01A	SB-16 4-8	09/18/2012 13:15	09/20/2012	Soil	PMoist	/					A4
L1968-01A	SB-16 4-8	09/18/2012 13:15	09/20/2012	Soil	SW6010_S	/					A4
L1968-02A	SB-16 8-12	09/18/2012 13:15	09/20/2012	Soil	PMoist	/					A4
L1968-02A	SB-16 8-12	09/18/2012 13:15	09/20/2012	Soil	SW6010_S	/					A4
L1968-03A	SB-17 0-4	09/18/2012 13:35	09/20/2012	Soil	PMoist	/					A4
L1968-03A	SB-17 0-4	09/18/2012 13:35	09/20/2012	Soil	SW6010_S	/					A4
L1968-04A	SB-17 4-8	09/18/2012 13:35	09/20/2012	Soil	PMoist	/					A4
L1968-04A	SB-17 4-8	09/18/2012 13:35	09/20/2012	Soil	SW6010_S	/					A4
L1968-05A	SB-18 0-4	09/18/2012 14:05	09/20/2012	Soil	PMoist	/					A4
L1968-05A	SB-18 0-4	09/18/2012 14:05	09/20/2012	Soil	SW6010_S	/					A4
L1968-06A	SB-18 4-8	09/18/2012 14:05	09/20/2012	Soil	PMoist	/					A4
L1968-06A	SB-18 4-8	09/18/2012 14:05	09/20/2012	Soil	SW6010_S	/					A4
L1968-07A	SB-19 0-4	09/18/2012 14:20	09/20/2012	Soil	PMoist	/					A4
L1968-07A	SB-19 0-4	09/18/2012 14:20	09/20/2012	Soil	SW6010_S	/					A4
L1968-08A	SB-19 4-8	09/18/2012 14:20	09/20/2012	Soil	PMoist	/					A4
L1968-08A	SB-19 4-8	09/18/2012 14:20	09/20/2012	Soil	SW6010_S	/					A4
L1968-09A	SB-20 0-4	09/18/2012 14:40	09/20/2012	Soil	PMoist	/					A4
L1968-09A	SB-20 0-4	09/18/2012 14:40	09/20/2012	Soil	SW6010_S	/					A4
L1968-10A	SB-20 4-8	09/18/2012 14:40	09/20/2012	Soil	PMoist	/					A4
L1968-10A	SB-20 4-8	09/18/2012 14:40	09/20/2012	Soil	SW6010_S	/					A4
L1968-11A	DUP 3	09/18/2012 14:40	09/20/2012	Soil	PMoist	/					A4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: L1968

Client ID: CDM_LATHAM
Project: BLCP Buffalo
WO Name: BLCP Buffalo
Location: CDM_BLCP, D007621-1
Comments: N/A

Case:
SDG:
PO: 0897-91667

HC Due: 10/09/12
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
L1968-11A	DUP 3	09/18/2012 14:40	09/20/2012	Soil	SW6010_S	/					A4
L1968-12A	SB-21 0-4	09/18/2012 14:50	09/20/2012	Soil	PMoist	/					A4
L1968-12A	SB-21 0-4	09/18/2012 14:50	09/20/2012	Soil	SW6010_S	/					A4
L1968-13A	SB-21 4-8	09/18/2012 14:50	09/20/2012	Soil	PMoist	/					A4
L1968-13A	SB-21 4-8	09/18/2012 14:50	09/20/2012	Soil	SW6010_S	/					A4
L1968-14A	SB-22 0-4	09/18/2012 15:05	09/20/2012	Soil	PMoist	/					A4
L1968-14A	SB-22 0-4	09/18/2012 15:05	09/20/2012	Soil	SW6010_S	/					A4
L1968-15A	SB-22 4-8	09/18/2012 15:05	09/20/2012	Soil	PMoist	/					A4
L1968-15A	SB-22 4-8	09/18/2012 15:05	09/20/2012	Soil	SW6010_S	/					A4
L1968-16A	SB-23 0-4	09/18/2012 15:25	09/20/2012	Soil	PMoist	/					A4
L1968-16A	SB-23 0-4	09/18/2012 15:25	09/20/2012	Soil	SW6010_S	/					A4
L1968-17A	SB-23 4-8	09/18/2012 15:25	09/20/2012	Soil	PMoist	/					A4
L1968-17A	SB-23 4-8	09/18/2012 15:25	09/20/2012	Soil	SW6010_S	/					A4
L1968-18A	SB-23 8-12	09/18/2012 15:25	09/20/2012	Soil	PMoist	/					A4
L1968-18A	SB-23 8-12	09/18/2012 15:25	09/20/2012	Soil	SW6010_S	/					A4
L1968-19A	SB-25 0-4	09/18/2012 15:45	09/20/2012	Soil	PMoist	/					A4
L1968-19A	SB-25 0-4	09/18/2012 15:45	09/20/2012	Soil	SW6010_S	/					A4
L1968-20A	SB-25 4-8	09/18/2012 15:45	09/20/2012	Soil	PMoist	/					A4
L1968-20A	SB-25 4-8	09/18/2012 15:45	09/20/2012	Soil	SW6010_S	/					A4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: BLCP Buffalo

Laboratory Workorder / SDG #: L1968

SW846 6010C

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 6010C.

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3050B.

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on sample: SB-25 4-8 (L1968-20AMS).

Percent recoveries were within the QC limits with the following exceptions:

SB-25 4-8 (L1968-20AMS), Spike sample recovery is above criteria for Nickel at 705% with criteria of (75-125), Spike sample recovery is below criteria for Antimony at 46% with criteria of (75-125), Arsenic at 56% with criteria of (75-125), Selenium at 0% with criteria of (75-125), Thallium at 0% with criteria of (75-125) and Zinc at 37% with criteria of (75-125).

D. Post Digestion Spike (PDS):

Post-digestion spike analysis was performed on sample: SB-25 4-8 (L1968-20APDS).

SB-25 4-8 (L1968-20APDS) for Antimony, Arsenic, Selenium,

Thallium and Zinc due to recoveries of these elements outside of QC limits in the matrix spike. Selenium and Thallium were not recovered in the PDS as well as the MS. No problems were seen with these elements in the SD or DUP.

E. **Duplicate sample:**

Duplicate analyses were performed on sample: SB-25 4-8 (L1968-20ADUP).

Relative percent differences were within the QC limits with the following exceptions:

SB-25 4-8 (L1968-20ADUP), Duplicate analysis not within control limit for Aluminum, Barium, Chromium, Lead, Nickel, Potassium, Sodium, Vanadium and Zinc.

F. **Serial Dilution (SD):**

Serial Dilution analyses were performed on sample: SB-25 4-8 (L1968-20ASD).

Percent differences were within the QC limits with the exception of the following:

SB-25 4-8 (L1968-20ASD), Serial Dilution analysis not within control limit for Arsenic, Beryllium, Cadmium, Cobalt, Lead, Magnesium, Nickel, Potassium, Sodium, Vanadium and Zinc.

G. **Samples:**

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 10/11/12

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

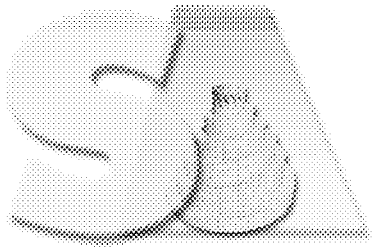
E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DUP 3

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-11

Level (low/med): MED Date Received: 09/20/2012

% Solids: 89.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9010		*	P
7440-36-0	Antimony	3.0		N	P
7440-38-2	Arsenic	34.4		NE	P
7440-39-3	Barium	127		*	P
7440-41-7	Beryllium	1.5		E	P
7440-43-9	Cadmium	11.4		E	P
7440-70-2	Calcium	24100			P
7440-47-3	Chromium	76.5		*	P
7440-48-4	Cobalt	8.8		E	P
7440-50-8	Copper	104			P
7439-89-6	Iron	238000			P
7439-92-1	Lead	346		*E	P
7439-95-4	Magnesium	5270		E	P
7439-96-5	Manganese	8220			P
7440-02-0	Nickel	31.6		N*E	P
7440-09-7	Potassium	5240		*E	P
7782-49-2	Selenium	0.57	U	N	P
7440-22-4	Silver	0.059	B		P
7440-23-5	Sodium	801		*E	P
7440-28-0	Thallium	0.20	U	N	P
7440-62-2	Vanadium	9.5		*E	P
7440-66-6	Zinc	442		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-16 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-01

Level (low/med): MED Date Received: 09/20/2012

% Solids: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7450		*	P
7440-36-0	Antimony	3.4		N	P
7440-38-2	Arsenic	39.2		NE	P
7440-39-3	Barium	93.9		*	P
7440-41-7	Beryllium	1.6		E	P
7440-43-9	Cadmium	9.7		E	P
7440-70-2	Calcium	34800			P
7440-47-3	Chromium	12.9		*	P
7440-48-4	Cobalt	7.5		E	P
7440-50-8	Copper	38.9			P
7439-89-6	Iron	233000			P
7439-92-1	Lead	114		*E	P
7439-95-4	Magnesium	6400		E	P
7439-96-5	Manganese	5440			P
7440-02-0	Nickel	10.5		N*E	P
7440-09-7	Potassium	1920		*E	P
7782-49-2	Selenium	0.74	U	N	P
7440-22-4	Silver	0.074	U		P
7440-23-5	Sodium	187		*E	P
7440-28-0	Thallium	0.26	U	N	P
7440-62-2	Vanadium	13.4		*E	P
7440-66-6	Zinc	618		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-16 8-12

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-02

Level (low/med): MED Date Received: 09/20/2012

% Solids: 72.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12700		*	P
7440-36-0	Antimony	0.46	U	N	P
7440-38-2	Arsenic	10.2		NE	P
7440-39-3	Barium	133		*	P
7440-41-7	Beryllium	2.3		E	P
7440-43-9	Cadmium	0.018	U	E	P
7440-70-2	Calcium	139000			P
7440-47-3	Chromium	6.8		*	P
7440-48-4	Cobalt	3.4		E	P
7440-50-8	Copper	7.5			P
7439-89-6	Iron	12900			P
7439-92-1	Lead	23.2		*E	P
7439-95-4	Magnesium	13400		E	P
7439-96-5	Manganese	1510			P
7440-02-0	Nickel	8.9		N*E	P
7440-09-7	Potassium	1610		*E	P
7782-49-2	Selenium	3.2		N	P
7440-22-4	Silver	0.077	U		P
7440-23-5	Sodium	591		*E	P
7440-28-0	Thallium	2.6		N	P
7440-62-2	Vanadium	8.9		*E	P
7440-66-6	Zinc	41.2		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-17 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-03

Level (low/med): MED Date Received: 09/20/2012

% Solids: 74.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17100		*	P
7440-36-0	Antimony	2.1		N	P
7440-38-2	Arsenic	24.0		NE	P
7440-39-3	Barium	196		*	P
7440-41-7	Beryllium	1.5		E	P
7440-43-9	Cadmium	5.3		E	P
7440-70-2	Calcium	111000			P
7440-47-3	Chromium	64.7		*	P
7440-48-4	Cobalt	9.9		E	P
7440-50-8	Copper	223			P
7439-89-6	Iron	140000			P
7439-92-1	Lead	188		*E	P
7439-95-4	Magnesium	14900		E	P
7439-96-5	Manganese	2420			P
7440-02-0	Nickel	48.5		N*E	P
7440-09-7	Potassium	3220		*E	P
7782-49-2	Selenium	2.6		N	P
7440-22-4	Silver	0.42	B		P
7440-23-5	Sodium	215		*E	P
7440-28-0	Thallium	0.26	U	N	P
7440-62-2	Vanadium	27.6		*E	P
7440-66-6	Zinc	605		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-17 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-04

Level (low/med): MED Date Received: 09/20/2012

% Solids: 49.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28300		*	P
7440-36-0	Antimony	0.74	B	N	P
7440-38-2	Arsenic	40.7		NE	P
7440-39-3	Barium	459		*	P
7440-41-7	Beryllium	2.1		E	P
7440-43-9	Cadmium	2.0		E	P
7440-70-2	Calcium	258000			P
7440-47-3	Chromium	50.5		*	P
7440-48-4	Cobalt	9.6		E	P
7440-50-8	Copper	49.2			P
7439-89-6	Iron	17200			P
7439-92-1	Lead	128		*E	P
7439-95-4	Magnesium	4870		E	P
7439-96-5	Manganese	208			P
7440-02-0	Nickel	29.5		N*E	P
7440-09-7	Potassium	15100		*E	P
7782-49-2	Selenium	8.7		N	P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	550		*E	P
7440-28-0	Thallium	5.6		N	P
7440-62-2	Vanadium	58.1		*E	P
7440-66-6	Zinc	613		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-18 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-05

Level (low/med): MED Date Received: 09/20/2012

% Solids: 86.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500		*	P
7440-36-0	Antimony	1.8		N	P
7440-38-2	Arsenic	26.3		NE	P
7440-39-3	Barium	125		*	P
7440-41-7	Beryllium	1.9		E	P
7440-43-9	Cadmium	9.1		E	P
7440-70-2	Calcium	37700			P
7440-47-3	Chromium	56.0		*	P
7440-48-4	Cobalt	6.4		E	P
7440-50-8	Copper	153			P
7439-89-6	Iron	175000			P
7439-92-1	Lead	1060		*E	P
7439-95-4	Magnesium	8330		E	P
7439-96-5	Manganese	5820			P
7440-02-0	Nickel	33.0		N*E	P
7440-09-7	Potassium	2770		*E	P
7782-49-2	Selenium	0.66	U	N	P
7440-22-4	Silver	2.3			P
7440-23-5	Sodium	294		*E	P
7440-28-0	Thallium	0.23	U	N	P
7440-62-2	Vanadium	9.2		*E	P
7440-66-6	Zinc	1650		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-18 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-06

Level (low/med): MED Date Received: 09/20/2012

% Solids: 65.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10900		*	P
7440-36-0	Antimony	1.1		N	P
7440-38-2	Arsenic	13.7		NE	P
7440-39-3	Barium	160		*	P
7440-41-7	Beryllium	0.39		E	P
7440-43-9	Cadmium	0.58		E	P
7440-70-2	Calcium	393000			P
7440-47-3	Chromium	56.2		*	P
7440-48-4	Cobalt	4.9		E	P
7440-50-8	Copper	239			P
7439-89-6	Iron	24000			P
7439-92-1	Lead	108		*E	P
7439-95-4	Magnesium	5430		E	P
7439-96-5	Manganese	401			P
7440-02-0	Nickel	17.9		N*E	P
7440-09-7	Potassium	2800		*E	P
7782-49-2	Selenium	5.3		N	P
7440-22-4	Silver	0.34	B		P
7440-23-5	Sodium	320		*E	P
7440-28-0	Thallium	0.25	U	N	P
7440-62-2	Vanadium	23.1		*E	P
7440-66-6	Zinc	239		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-19 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-07

Level (low/med): MED Date Received: 09/20/2012

% Solids: 76.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10100		*	P
7440-36-0	Antimony	3.1		N	P
7440-38-2	Arsenic	16.6		NE	P
7440-39-3	Barium	109		*	P
7440-41-7	Beryllium	1.9		E	P
7440-43-9	Cadmium	12.2		E	P
7440-70-2	Calcium	41300			P
7440-47-3	Chromium	45.0		*	P
7440-48-4	Cobalt	5.4		E	P
7440-50-8	Copper	94.7			P
7439-89-6	Iron	205000			P
7439-92-1	Lead	1370		*E	P
7439-95-4	Magnesium	12000		E	P
7439-96-5	Manganese	4160			P
7440-02-0	Nickel	22.5		N*E	P
7440-09-7	Potassium	4690		*E	P
7782-49-2	Selenium	0.70	U	N	P
7440-22-4	Silver	1.0	B		P
7440-23-5	Sodium	362		*E	P
7440-28-0	Thallium	0.24	U	N	P
7440-62-2	Vanadium	15.8		*E	P
7440-66-6	Zinc	3500		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-19 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-08

Level (low/med): MED Date Received: 09/20/2012

% Solids: 53.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26800		*	P
7440-36-0	Antimony	0.78	B	N	P
7440-38-2	Arsenic	15.5		NE	P
7440-39-3	Barium	546		*	P
7440-41-7	Beryllium	1.8		E	P
7440-43-9	Cadmium	10.5		E	P
7440-70-2	Calcium	224000			P
7440-47-3	Chromium	46.8		*	P
7440-48-4	Cobalt	9.0		E	P
7440-50-8	Copper	55.8			P
7439-89-6	Iron	17400			P
7439-92-1	Lead	163		*E	P
7439-95-4	Magnesium	7680		E	P
7439-96-5	Manganese	207			P
7440-02-0	Nickel	31.3		N*E	P
7440-09-7	Potassium	12400		*E	P
7782-49-2	Selenium	10.2		N	P
7440-22-4	Silver	5.6			P
7440-23-5	Sodium	540		*E	P
7440-28-0	Thallium	4.3		N	P
7440-62-2	Vanadium	56.5		*E	P
7440-66-6	Zinc	1220		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-20 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-09

Level (low/med): MED Date Received: 09/20/2012

% Solids: 86.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9100		*	P
7440-36-0	Antimony	2.6		N	P
7440-38-2	Arsenic	31.9		NE	P
7440-39-3	Barium	118		*	P
7440-41-7	Beryllium	1.6		E	P
7440-43-9	Cadmium	9.7		E	P
7440-70-2	Calcium	25000			P
7440-47-3	Chromium	33.2		*	P
7440-48-4	Cobalt	12.1		E	P
7440-50-8	Copper	75.4			P
7439-89-6	Iron	214000			P
7439-92-1	Lead	624		*E	P
7439-95-4	Magnesium	5540		E	P
7439-96-5	Manganese	8340			P
7440-02-0	Nickel	34.6		N*E	P
7440-09-7	Potassium	3860		*E	P
7782-49-2	Selenium	0.66	U	N	P
7440-22-4	Silver	0.83	B		P
7440-23-5	Sodium	546		*E	P
7440-28-0	Thallium	0.23	U	N	P
7440-62-2	Vanadium	17.7		*E	P
7440-66-6	Zinc	807		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-20 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-10

Level (low/med): MED Date Received: 09/20/2012

% Solids: 69.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14400		*	P
7440-36-0	Antimony	1.5		N	P
7440-38-2	Arsenic	37.4		NE	P
7440-39-3	Barium	195		*	P
7440-41-7	Beryllium	1.6		E	P
7440-43-9	Cadmium	6.8		E	P
7440-70-2	Calcium	124000			P
7440-47-3	Chromium	47.4		*	P
7440-48-4	Cobalt	9.0		E	P
7440-50-8	Copper	114			P
7439-89-6	Iron	129000			P
7439-92-1	Lead	677		*E	P
7439-95-4	Magnesium	4930		E	P
7439-96-5	Manganese	4060			P
7440-02-0	Nickel	33.3		N*E	P
7440-09-7	Potassium	2940		*E	P
7782-49-2	Selenium	6.8		N	P
7440-22-4	Silver	2.5			P
7440-23-5	Sodium	308		*E	P
7440-28-0	Thallium	1.1	B	N	P
7440-62-2	Vanadium	32.2		*E	P
7440-66-6	Zinc	1270		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-21 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-12

Level (low/med): MED Date Received: 09/20/2012

% Solids: 89.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6450		*	P
7440-36-0	Antimony	2.7		N	P
7440-38-2	Arsenic	15.0		NE	P
7440-39-3	Barium	71.5		*	P
7440-41-7	Beryllium	1.2		E	P
7440-43-9	Cadmium	8.9		E	P
7440-70-2	Calcium	21300			P
7440-47-3	Chromium	45.1		*	P
7440-48-4	Cobalt	4.8		E	P
7440-50-8	Copper	159			P
7439-89-6	Iron	150000			P
7439-92-1	Lead	1820		*E	P
7439-95-4	Magnesium	5450		E	P
7439-96-5	Manganese	2480			P
7440-02-0	Nickel	32.8		N*E	P
7440-09-7	Potassium	999		*E	P
7782-49-2	Selenium	2.4		N	P
7440-22-4	Silver	3.0			P
7440-23-5	Sodium	143		*E	P
7440-28-0	Thallium	0.23	U	N	P
7440-62-2	Vanadium	8.1		*E	P
7440-66-6	Zinc	2170		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-21 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-13

Level (low/med): MED Date Received: 09/20/2012

% Solids: 71.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20700		*	P
7440-36-0	Antimony	2.2		N	P
7440-38-2	Arsenic	20.5		NE	P
7440-39-3	Barium	700		*	P
7440-41-7	Beryllium	2.2		E	P
7440-43-9	Cadmium	5.3		E	P
7440-70-2	Calcium	166000			P
7440-47-3	Chromium	41.2		*	P
7440-48-4	Cobalt	9.4		E	P
7440-50-8	Copper	59.2			P
7439-89-6	Iron	101000			P
7439-92-1	Lead	322		*E	P
7439-95-4	Magnesium	9890		E	P
7439-96-5	Manganese	4140			P
7440-02-0	Nickel	36.8		N*E	P
7440-09-7	Potassium	7610		*E	P
7782-49-2	Selenium	5.3		N	P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	410		*E	P
7440-28-0	Thallium	3.5		N	P
7440-62-2	Vanadium	46.5		*E	P
7440-66-6	Zinc	1290		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-22 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-14

Level (low/med): MED Date Received: 09/20/2012

% Solids: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6860		*	P
7440-36-0	Antimony	5.9		N	P
7440-38-2	Arsenic	14.9		NE	P
7440-39-3	Barium	77.7		*	P
7440-41-7	Beryllium	1.6		E	P
7440-43-9	Cadmium	16.7		E	P
7440-70-2	Calcium	26700			P
7440-47-3	Chromium	125		*	P
7440-48-4	Cobalt	8.6		E	P
7440-50-8	Copper	284			P
7439-89-6	Iron	218000			P
7439-92-1	Lead	3760		*E	P
7439-95-4	Magnesium	7140		E	P
7439-96-5	Manganese	3670			P
7440-02-0	Nickel	59.9		N*E	P
7440-09-7	Potassium	1300		*E	P
7782-49-2	Selenium	0.73	U	N	P
7440-22-4	Silver	0.76	B		P
7440-23-5	Sodium	139		*E	P
7440-28-0	Thallium	0.25	U	N	P
7440-62-2	Vanadium	7.9		*E	P
7440-66-6	Zinc	6880		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-22 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-15

Level (low/med): MED Date Received: 09/20/2012

% Solids: 87.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5660		*	P
7440-36-0	Antimony	3.2		N	P
7440-38-2	Arsenic	66.1		NE	P
7440-39-3	Barium	86.5		*	P
7440-41-7	Beryllium	0.97		E	P
7440-43-9	Cadmium	7.2		E	P
7440-70-2	Calcium	40100			P
7440-47-3	Chromium	37.0		*	P
7440-48-4	Cobalt	5.1		E	P
7440-50-8	Copper	111			P
7439-89-6	Iron	149000			P
7439-92-1	Lead	2770		*E	P
7439-95-4	Magnesium	6870		E	P
7439-96-5	Manganese	5840			P
7440-02-0	Nickel	20.8		N*E	P
7440-09-7	Potassium	1400		*E	P
7782-49-2	Selenium	0.60	U	N	P
7440-22-4	Silver	1.8			P
7440-23-5	Sodium	158		*E	P
7440-28-0	Thallium	1.6		N	P
7440-62-2	Vanadium	12.8		*E	P
7440-66-6	Zinc	2170		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-23 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-16

Level (low/med): MED Date Received: 09/20/2012

% Solids: 86.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7250		*	P
7440-36-0	Antimony	2.6		N	P
7440-38-2	Arsenic	15.6		NE	P
7440-39-3	Barium	91.9		*	P
7440-41-7	Beryllium	1.9		E	P
7440-43-9	Cadmium	7.6		E	P
7440-70-2	Calcium	27100			P
7440-47-3	Chromium	57.4		*	P
7440-48-4	Cobalt	2.8	B	E	P
7440-50-8	Copper	57.5			P
7439-89-6	Iron	138000			P
7439-92-1	Lead	2840		*E	P
7439-95-4	Magnesium	9630		E	P
7439-96-5	Manganese	1840			P
7440-02-0	Nickel	21.4		N*E	P
7440-09-7	Potassium	4290		*E	P
7782-49-2	Selenium	3.1		N	P
7440-22-4	Silver	1.5	B		P
7440-23-5	Sodium	482		*E	P
7440-28-0	Thallium	1.5		N	P
7440-62-2	Vanadium	14.2		*E	P
7440-66-6	Zinc	2570		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-23 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-17

Level (low/med): MED Date Received: 09/20/2012

% Solids: 81.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8780		*	P
7440-36-0	Antimony	3.3		N	P
7440-38-2	Arsenic	20.3		NE	P
7440-39-3	Barium	103		*	P
7440-41-7	Beryllium	1.9		E	P
7440-43-9	Cadmium	9.7		E	P
7440-70-2	Calcium	1600			P
7440-47-3	Chromium	31.3		*	P
7440-48-4	Cobalt	5.3		E	P
7440-50-8	Copper	147			P
7439-89-6	Iron	9140			P
7439-92-1	Lead	1180		*E	P
7439-95-4	Magnesium	6940		E	P
7439-96-5	Manganese	257			P
7440-02-0	Nickel	20.4		N*E	P
7440-09-7	Potassium	1860		*E	P
7782-49-2	Selenium	0.66	U	N	P
7440-22-4	Silver	1.8			P
7440-23-5	Sodium	209		*E	P
7440-28-0	Thallium	0.23	U	N	P
7440-62-2	Vanadium	6.4		*E	P
7440-66-6	Zinc	2220		N*E	P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-23 8-12

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-18

Level (low/med): MED Date Received: 09/20/2012

% Solids: 79.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13900		*	P
7440-36-0	Antimony	0.98	B	N	P
7440-38-2	Arsenic	12.7		NE	P
7440-39-3	Barium	67.2		*	P
7440-41-7	Beryllium	1.3		E	P
7440-43-9	Cadmium	3.9		E	P
7440-70-2	Calcium	2840			P
7440-47-3	Chromium	41.5		*	P
7440-48-4	Cobalt	12.6		E	P
7440-50-8	Copper	64.3			P
7439-89-6	Iron	5900			P
7439-92-1	Lead	458		*E	P
7439-95-4	Magnesium	8680		E	P
7439-96-5	Manganese	2430			P
7440-02-0	Nickel	43.4		N*E	P
7440-09-7	Potassium	2310		*E	P
7782-49-2	Selenium	4.9		N	P
7440-22-4	Silver	0.20	B		P
7440-23-5	Sodium	265		*E	P
7440-28-0	Thallium	0.25	U	N	P
7440-62-2	Vanadium	14.9		*E	P
7440-66-6	Zinc	655		N*E	P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-25 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-19

Level (low/med): MED Date Received: 09/20/2012

% Solids: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6640		*	P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	8.0		NE	P
7440-39-3	Barium	130		*	P
7440-41-7	Beryllium	0.45		E	P
7440-43-9	Cadmium	1.5		E	P
7440-70-2	Calcium	4320			P
7440-47-3	Chromium	31.5		*	P
7440-48-4	Cobalt	5.0		E	P
7440-50-8	Copper	94.4			P
7439-89-6	Iron	2870			P
7439-92-1	Lead	276		*E	P
7439-95-4	Magnesium	10700		E	P
7439-96-5	Manganese	1040			P
7440-02-0	Nickel	35.1		N*E	P
7440-09-7	Potassium	843		*E	P
7782-49-2	Selenium	3.8		N	P
7440-22-4	Silver	0.061	U		P
7440-23-5	Sodium	214		*E	P
7440-28-0	Thallium	0.21	U	N	P
7440-62-2	Vanadium	13.8		*E	P
7440-66-6	Zinc	330		N*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-25 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Lab Sample ID: L1968-20

Level (low/med): MED Date Received: 09/20/2012

% Solids: 80.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5190		*	P
7440-36-0	Antimony	5.6		N	P
7440-38-2	Arsenic	32.7		NE	P
7440-39-3	Barium	67.4		*	P
7440-41-7	Beryllium	1.0		E	P
7440-43-9	Cadmium	16.9		E	P
7440-70-2	Calcium	7.4	U		P
7440-47-3	Chromium	528		*	P
7440-48-4	Cobalt	26.1		E	P
7440-50-8	Copper	1860			P
7439-89-6	Iron	363000			P
7439-92-1	Lead	359		*E	P
7439-95-4	Magnesium	3840		E	P
7439-96-5	Manganese	5230			P
7440-02-0	Nickel	336		N*E	P
7440-09-7	Potassium	428		*E	P
7782-49-2	Selenium	0.78	U	N	P
7440-22-4	Silver	0.078	U		P
7440-23-5	Sodium	134		*E	P
7440-28-0	Thallium	0.27	U	N	P
7440-62-2	Vanadium	14.1		*E	P
7440-66-6	Zinc	384		N*E	P

Comments:

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-68567

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	471.4		364	546.0	103.6
Antimony				22.8	24.5		18.2	27.3	107.5
Arsenic				22.8	23.8		18.2	27.3	104.4
Barium				455.0	491.5		364	546.0	108.0
Beryllium				11.4	12.0		9.1	13.6	105.3
Cadmium				11.4	11.7		9.1	13.6	102.6
Calcium				1135.0	1141.8		908	1362.0	100.6
Chromium				45.5	47.7		36.4	54.6	104.8
Cobalt				113.5	118.3		90.8	136.2	104.2
Copper				56.5	59.0		45.2	67.8	104.4
Iron				227.5	246.3		182	273.0	108.3
Lead				22.8	23.7		18.2	27.3	103.9
Magnesium				1135.0	1194.8		908	1362.0	105.3
Manganese				113.5	120.9		90.8	136.2	106.5
Nickel				113.5	118.8		90.8	136.2	104.7
Potassium				1135.0	1210.3		908	1362.0	106.6
Selenium				22.8	22.1		18.2	27.3	96.9
Silver				56.5	58.0		42.4	67.8	102.7
Sodium				1135.0	1220.8		908	1362.0	107.6
Thallium				22.8	21.3		18.2	27.3	93.4
Vanadium				113.5	118.6		90.8	136.2	104.5
Zinc				113.5	115.6		90.8	136.2	101.9

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-25 4-8S

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 80.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	18.5		5.6		27.7	47	N	P
Arsenic	75-125	48.2		32.7		27.7	56	N	P
Barium	75-125	571		67.4		554	91		P
Beryllium	75-125	12.7		1.0		13.8	85		P
Cadmium	75-125	27.6		16.9		13.8	77		P
Chromium		687		528		55.4	287		P
Cobalt	75-125	144		26.1		138	85		P
Copper		1240		1860		68.8	-896		P
Lead		308		359		27.7	-185		P
Nickel	75-125	1310		336		138	705	N	P
Selenium	75-125	0.78	U	0.78	U	27.7	0	N	P
Silver	75-125	66.5		0.078	U	68.8	97		P
Thallium	75-125	0.27	U	0.27	U	27.7	0	N	P
Vanadium	75-125	128		14.1		138	82		P
Zinc	75-125	436		384		138	37	N	P

Comments:

U.S. EPA - CLP

5B

EPA SAMPLE NO.

POST DIGEST SPIKE SAMPLE RECOVERY

SB-25 4-8A

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		523.09		92.35		455.0	95		P
Arsenic		898.52		536.82		455.0	80		P
Nickel		7359.34		5517.60		2270.0	81		P
Selenium		0.64	U	0.64	U	455.0	0		P
Thallium		0.22	U	0.22	U	455.0	0		P
Zinc		7982.91		6310.72		2270.0	74		P

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

SB-25 4-8D

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 80.5 % Solids for Duplicate: 80.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5191.9894		4171.1568		21.8	*	P
Antimony	1.2	5.6250		4.5675		20.8		P
Arsenic		32.6976		28.5322		13.6		P
Barium	12.0	67.4114		48.2299		33.2	*	P
Beryllium	0.3	1.0201		0.8668		16.2		P
Cadmium		16.9277		16.0827		5.1		P
Calcium		7.4000	U	7.4000	U			P
Chromium		527.8398		660.4487		22.3	*	P
Cobalt		26.0521		24.8744		4.6		P
Copper		1855.1177		1810.3305		2.4		P
Iron		362904.7032		367550.3745		1.3		P
Lead		359.0561		290.5767		21.1	*	P
Magnesium		3844.7392		3250.2820		16.8		P
Manganese		5227.8213		4994.3591		4.6		P
Nickel		336.0766		615.7952		58.8	*	P
Potassium		427.7669		1143.6135		91.1	*	P
Selenium		0.7800	U	0.7700	U			P
Silver		0.0780	U	0.0770	U			P
Sodium	61.0	133.7478		793.0001		142.3	*	P
Thallium		0.2700	U	0.2700	U			P
Vanadium	3.0	14.1035		8.4155		50.5	*	P
Zinc		384.3857		488.2483		23.8	*	P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-68567**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_121009A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 10/09/12 10:18	C	10/09/12 10:51	C	10/09/12 11:26	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	1.200	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.7	B	0.410	U	P
Barium	1.1	U	1.1	U	1.7	B	1.7	B	0.031	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.019	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.110	U	P
Iron	31.0	U	31.0	U	31.0	U			2.599	B	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	0.630	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.131	B	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.043	U	P
Potassium	85.6	B	76.0	U	106.2	B	76.0	U	3.400	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	0.640	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	29.0	U	29.0	U	29.0	U	29.0	U	1.100	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	0.257	B	P

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121009A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 10/09/12 11:57	C	10/09/12 12:19	C	10/09/12 12:52	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.3	U	4.3	U			P
Barium			1.8	B	1.4	B	1.8	B			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			55.7	B	31.0	U	31.0	U			P
Lead			4.2	U	4.2	U	4.2	U			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Potassium			76.0	U	84.7	B	115.4	B			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			29.0	U	29.0	U	29.0	U			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.9	U	4.9	U	4.9	U			P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121009A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 10/09/12 13:37	C	10/09/12 14:16	C	10/09/12 15:00	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.7	B	4.5	B			P
Barium			1.6	B	1.1	U	1.1	U			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			33.8	B	31.0	U	31.0	U			P
Lead			4.2	U	5.6	B	9.0	B			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Potassium			189.4	B	81.2	B	76.0	U			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			29.0	U	29.0	U	29.0	U			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			8.7	B	8.9	B	10.6	B			P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121009A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 10/09/12 15:42	C	10/09/12 16:18	C		C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U					P
Antimony			9.3	U	9.3	U					P
Arsenic			4.3	U	5.0	B					P
Barium			1.1	U	1.1	U					P
Beryllium			0.3	U	0.3	U					P
Cadmium			0.9	U	0.9	U					P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U					P
Cobalt			0.7	U	0.7	U					P
Copper			3.6	U	3.6	U					P
Iron			31.0	U	31.0	U	31.0	U			P
Lead			4.7	B	4.9	B					P
Magnesium			76.0	U	76.0	U					P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U					P
Selenium			12.0	U	12.0	U					P
Silver			6.9	U	6.9	U					P
Sodium			29.0	U							P
Thallium			6.2	U	6.2	U					P
Vanadium			1.1	U	1.1	U					P
Zinc			6.7	B	8.3	B					P

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1968

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_121009B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	10/09/12 17:48	C	10/09/12 18:17	C		C		C	M
Potassium	76.0	U	76.0	U	76.0	U					P
Sodium	-253.1	B	-379.0	B	-479.2	B					P

Report Date:
12-Oct-12 08:46

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

- [x] Final Report
- [ ] Re-Issued Report
- [ ] Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: L1969
Project : BLCP Buffalo
Project #: D007621-1

Attn: John P. Blaum

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
L1969-01	SB-25 8-12	Soil	18-Sep-12 15:45	20-Sep-12 08:40
L1969-02	SB-24 0-4	Soil	18-Sep-12 16:00	20-Sep-12 08:40
L1969-03	SB-24 4-8	Soil	18-Sep-12 16:00	20-Sep-12 08:40
L1969-04	SS-1	Soil	19-Sep-12 09:20	20-Sep-12 08:40
L1969-05	SS-2	Soil	19-Sep-12 09:25	20-Sep-12 08:40

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

175 Metro Center Boulevard · Warwick, RI 02886-1755 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : BLCP Buffalo -- D007621-1 **SDG :** L1969

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-25 8-12	L1969-01				SW6010_S	
SB-24 0-4	L1969-02				SW6010_S	
SB-24 4-8	L1969-03				SW6010_S	
SS-1	L1969-04				SW6010_S	
SS-2	L1969-05				SW6010_S	

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : BLCP Buffalo -- D007621-1 **SDG :** L1969

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
L1969-01A	SL	SW6010_S	9/20/2012	9/29/2012
L1969-02A	SL	SW6010_S	9/20/2012	9/29/2012
L1969-03A	SL	SW6010_S	9/20/2012	9/29/2012
L1969-04A	SL	SW6010_S	9/20/2012	9/29/2012
L1969-05A	SL	SW6010_S	9/20/2012	9/29/2012

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: L1969

Client ID: CDM_LATHAM
Project: BLCP Buffalo
WO Name: BLCP Buffalo
Location: CDM_BLCP, D007621-1
Comments: N/A

Case:
SDG:
PO: 0897-91667

HC Due: 10/09/12
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
L1969-01A	SB-25 8-12	09/18/2012 15:45	09/20/2012	Soil	PMoist	/					A4
L1969-01A	SB-25 8-12	09/18/2012 15:45	09/20/2012	Soil	SW6010_S	/					A4
L1969-02A	SB-24 0-4	09/18/2012 16:00	09/20/2012	Soil	PMoist	/					A4
L1969-02A	SB-24 0-4	09/18/2012 16:00	09/20/2012	Soil	SW6010_S	/					A4
L1969-03A	SB-24 4-8	09/18/2012 16:00	09/20/2012	Soil	PMoist	/					A4
L1969-03A	SB-24 4-8	09/18/2012 16:00	09/20/2012	Soil	SW6010_S	/					A4
L1969-04A	SS-1	09/19/2012 09:20	09/20/2012	Soil	PMoist	/					A4
L1969-04A	SS-1	09/19/2012 09:20	09/20/2012	Soil	SW6010_S	/					A4
L1969-05A	SS-2	09/19/2012 09:25	09/20/2012	Soil	PMoist	/					A4
L1969-05A	SS-2	09/19/2012 09:25	09/20/2012	Soil	SW6010_S	/					A4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: BLCP Buffalo

Laboratory Workorder / SDG #: L1969

SW846 6010C

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 6010C.

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3050B.

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

A matrix spike was not performed on any sample in this SDG.

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

A duplicate analysis was not performed on any sample in this SDG.

F. Serial Dilution (SD):

A serial dilution was not performed on any sample in this SDG.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 10/11/12

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-24 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1969

Matrix (soil/water): SOIL Lab Sample ID: L1969-02

Level (low/med): MED Date Received: 09/20/2012

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8160			P
7440-36-0	Antimony	0.60	B		P
7440-38-2	Arsenic	10.1			P
7440-39-3	Barium	229			P
7440-41-7	Beryllium	0.60			P
7440-43-9	Cadmium	1.1			P
7440-70-2	Calcium	86100			P
7440-47-3	Chromium	28.2			P
7440-48-4	Cobalt	4.1			P
7440-50-8	Copper	56.2			P
7439-89-6	Iron	45300			P
7439-92-1	Lead	438			P
7439-95-4	Magnesium	8030			P
7439-96-5	Manganese	1010			P
7440-02-0	Nickel	17.9			P
7440-09-7	Potassium	1150			P
7782-49-2	Selenium	3.8			P
7440-22-4	Silver	0.062	U		P
7440-23-5	Sodium	388			P
7440-28-0	Thallium	1.5			P
7440-62-2	Vanadium	21.3			P
7440-66-6	Zinc	415			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-24 4-8

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1969

Matrix (soil/water): SOIL Lab Sample ID: L1969-03

Level (low/med): MED Date Received: 09/20/2012

% Solids: 73.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500			P
7440-36-0	Antimony	0.40	U		P
7440-38-2	Arsenic	6.4			P
7440-39-3	Barium	130			P
7440-41-7	Beryllium	0.24	B		P
7440-43-9	Cadmium	0.22	B		P
7440-70-2	Calcium	35900			P
7440-47-3	Chromium	47.6			P
7440-48-4	Cobalt	3.4			P
7440-50-8	Copper	21.9			P
7439-89-6	Iron	47300			P
7439-92-1	Lead	88.2			P
7439-95-4	Magnesium	8910			P
7439-96-5	Manganese	3440			P
7440-02-0	Nickel	10.3			P
7440-09-7	Potassium	922			P
7782-49-2	Selenium	4.4			P
7440-22-4	Silver	0.068	U		P
7440-23-5	Sodium	911			P
7440-28-0	Thallium	6.4			P
7440-62-2	Vanadium	28.3			P
7440-66-6	Zinc	134			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-25 8-12

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1969

Matrix (soil/water): SOIL Lab Sample ID: L1969-01

Level (low/med): MED Date Received: 09/20/2012

% Solids: 68.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000			P
7440-36-0	Antimony	1.3			P
7440-38-2	Arsenic	14.1			P
7440-39-3	Barium	166			P
7440-41-7	Beryllium	2.0			P
7440-43-9	Cadmium	6.0			P
7440-70-2	Calcium	52200			P
7440-47-3	Chromium	28.0			P
7440-48-4	Cobalt	7.3			P
7440-50-8	Copper	39.8			P
7439-89-6	Iron	198000			P
7439-92-1	Lead	357			P
7439-95-4	Magnesium	9850			P
7439-96-5	Manganese	0.16	U		P
7440-02-0	Nickel	17.0			P
7440-09-7	Potassium	5740			P
7782-49-2	Selenium	0.79	U		P
7440-22-4	Silver	0.95	B		P
7440-23-5	Sodium	616			P
7440-28-0	Thallium	5.2			P
7440-62-2	Vanadium	16.9			P
7440-66-6	Zinc	1280			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-1

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1969

Matrix (soil/water): SOIL Lab Sample ID: L1969-04

Level (low/med): MED Date Received: 09/20/2012

% Solids: 87.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10300			P
7440-36-0	Antimony	2.2			P
7440-38-2	Arsenic	11.2			P
7440-39-3	Barium	140			P
7440-41-7	Beryllium	2.1			P
7440-43-9	Cadmium	7.1			P
7440-70-2	Calcium	83000			P
7440-47-3	Chromium	81.2			P
7440-48-4	Cobalt	5.2			P
7440-50-8	Copper	148			P
7439-89-6	Iron	122000			P
7439-92-1	Lead	1600			P
7439-95-4	Magnesium	12400			P
7439-96-5	Manganese	2530			P
7440-02-0	Nickel	40.0			P
7440-09-7	Potassium	1850			P
7782-49-2	Selenium	0.67	U		P
7440-22-4	Silver	1.0	B		P
7440-23-5	Sodium	578			P
7440-28-0	Thallium	6.1			P
7440-62-2	Vanadium	17.6			P
7440-66-6	Zinc	2020			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-2

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1969

Matrix (soil/water): SOIL Lab Sample ID: L1969-05

Level (low/med): MED Date Received: 09/20/2012

% Solids: 85.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8250			P
7440-36-0	Antimony	3.3			P
7440-38-2	Arsenic	12.0			P
7440-39-3	Barium	99.2			P
7440-41-7	Beryllium	1.8			P
7440-43-9	Cadmium	6.5			P
7440-70-2	Calcium	49000			P
7440-47-3	Chromium	53.6			P
7440-48-4	Cobalt	4.7			P
7440-50-8	Copper	102			P
7439-89-6	Iron	97200			P
7439-92-1	Lead	1700			P
7439-95-4	Magnesium	8240			P
7439-96-5	Manganese	2130			P
7440-02-0	Nickel	29.9			P
7440-09-7	Potassium	1670			P
7782-49-2	Selenium	3.3			P
7440-22-4	Silver	2.2			P
7440-23-5	Sodium	313			P
7440-28-0	Thallium	5.6			P
7440-62-2	Vanadium	19.9			P
7440-66-6	Zinc	1810			P

Comments:

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1969

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-68404**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	456.0		364	546.0	100.2
Antimony				22.8	24.3		18.2	27.3	106.6
Arsenic				22.8	23.5		18.2	27.3	103.1
Barium				455.0	473.0		364	546.0	104.0
Beryllium				11.4	11.5		9.1	13.6	100.9
Cadmium				11.4	11.7		9.1	13.6	102.6
Calcium				1135.0	1110.8		908	1362.0	97.9
Chromium				45.5	46.8		36.4	54.6	102.9
Cobalt				113.5	116.9		90.8	136.2	103.0
Copper				56.5	57.1		45.2	67.8	101.1
Iron				227.5	238.0		182	273.0	104.6
Lead				22.8	23.8		18.2	27.3	104.4
Magnesium				1135.0	1158.0		908	1362.0	102.0
Manganese				113.5	116.7		90.8	136.2	102.8
Nickel				113.5	117.2		90.8	136.2	103.3
Potassium				1135.0	1162.8		908	1362.0	102.4
Selenium				22.8	22.1		18.2	27.3	96.9
Silver				56.5	57.7		42.4	67.8	102.1
Sodium				1135.0	1138.0		908	1362.0	100.3
Thallium				22.8	21.5		18.2	27.3	94.3
Vanadium				113.5	116.0		90.8	136.2	102.2
Zinc				113.5	115.0		90.8	136.2	101.3

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1969

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-68404**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_120929A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 09/29/12 11:03	C	09/29/12 11:38	C		C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U			1.200	U	P
Antimony	9.3	U	9.3	U	9.3	U			0.782	B	P
Arsenic	4.3	U	4.3	U	4.3	U			0.410	U	P
Barium	1.1	U	1.1	U	1.1	U			0.031	U	P
Beryllium	0.3	U	0.3	U	0.3	U			0.002	U	P
Cadmium	0.9	U	0.9	U	0.9	U			0.015	U	P
Calcium	110.0	U	128.9	B	115.0	B	110.0	U	6.287	B	P
Chromium	0.6	U	0.6	U	0.6	U			0.019	U	P
Cobalt	0.7	U	0.7	U	0.7	U			0.044	U	P
Copper	3.6	U	3.6	U	3.6	U			0.163	B	P
Iron	31.0	U	31.0	U	34.8	B	31.0	U	1.500	U	P
Lead	4.2	U	4.2	U	7.9	B			0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U			0.630	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.130	U	P
Nickel	0.9	U	0.8	U	0.8	U			0.043	U	P
Selenium	12.0	U	12.0	U	12.0	U			0.640	U	P
Silver	6.9	U	6.9	U	6.9	U			0.086	B	P
Thallium	6.2	U	6.2	U	6.2	U			0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U			0.060	U	P
Zinc	4.9	U	4.9	U	11.8	B			0.180	U	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1969

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_120929A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	09/29/12 12:36	C	09/29/12 13:12	C		C		C	M
Calcium			163.5	B	110.0	U					P
Iron			31.0	U	31.0	U					P
Manganese			10.0	U	10.0	U					P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1969

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-68404**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_120929B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 09/29/12 14:10	C	09/29/12 14:34	C		C	Preparation Blank	C	M
Potassium	76.0	U	138.3	B	76.0	U			4.871	B	P
Sodium	29.0	U	30.3	B	38.2	B			1.100	U	P

Report Date:
10-Oct-12 12:40

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

- [x] Final Report
- [ ] Re-Issued Report
- [ ] Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: L1970
Project : BLCP Buffalo
Project #: D007621-1

Attn: John P. Blaum

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
L1970-01	TCLP-1	Soil	18-Sep-12 09:20	20-Sep-12 08:40
L1970-02	SB-15 0-4	Soil	18-Sep-12 11:50	20-Sep-12 08:40

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

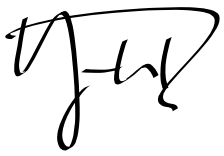
Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:



Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

* Data Summary Pack *

175 Metro Center Boulevard · Warwick, RI 02886-1755 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : BLCP Buffalo -- D007621-1 **SDG :** L1970

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
TCLP-1	L1970-01				SW6010_W	
TCLP-1	L1970-01				SW7470	
SB-15 0-4	L1970-02				SW6010_W	
SB-15 0-4	L1970-02				SW7470	

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : BLCP Buffalo -- D007621-1 **SDG :** L1970

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
L1970-01A	SL	SW6010_W	9/20/2012	9/27/2012
L1970-02A	SL	SW6010_W	9/20/2012	9/27/2012
SW7470				
L1970-01A	SL	SW7470	9/20/2012	9/27/2012
L1970-02A	SL	SW7470	9/20/2012	9/27/2012

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation

Sample Preparation and Analysis Summary Toxicity Characteristic Leaching Procedure

Project Name : BLCP Buffalo -- D007621-1 **SDG :** L1970

Laboratory Sample ID	Matrix	Analytical Protocol	Date Collected	Date Received By Lab	Date Extracted
SW1311					
L1970-01A	SL	SW1311	9/18/2012	9/20/2012	9/26/2012
L1970-02A	SL	SW1311	9/18/2012	9/20/2012	9/26/2012

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: L1970

Client ID: CDM_LATHAM
Project: BLCP Buffalo
WO Name: BLCP Buffalo
Location: CDM_BLCP, D007621-1
Comments: N/A

Case:
SDG:
PO: 0897-91667

HC Due: 10/09/12
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
L1970-01A	TCLP-1	09/18/2012 09:20	09/20/2012	Soil	SW6010_W	/ TCLP_METALS				Y	A2
L1970-01A	TCLP-1	09/18/2012 09:20	09/20/2012	Soil	SW7470	/ TCLP_METALS					A2
L1970-02A	SB-15 0-4	09/18/2012 11:50	09/20/2012	Soil	SW6010_W	/ TCLP_METALS				Y	A2
L1970-02A	SB-15 0-4	09/18/2012 11:50	09/20/2012	Soil	SW7470	/ TCLP_METALS					A2

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: BLCP Buffalo

Laboratory Workorder / SDG #: L1970

SW846 6010C, SW846 7470A

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 6010C, SW846 7470A

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW7470A

V. INSTRUMENTATION

The following instrumentation was used to perform analysis:

Instrument Code: FIMS2
Instrument Type: CVAA
Description: FIMS
Manufacturer: Perkin-Elmer
Model: FIMS100

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

A matrix spike was not performed on any sample in this SDG.

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

A duplicate analysis was not performed on any sample in this SDG.

F. Serial Dilution (SD):

A serial dilution was not performed on any sample in this SDG.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 10/10/12

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-15 0-4

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1970

Matrix (soil/water): WATER Lab Sample ID: L1970-02

Level (low/med): MED Date Received: 09/20/2012

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	326			P
7440-43-9	Cadmium	42.8			P
7440-47-3	Chromium	7.8	B		P
7439-92-1	Lead	441			P
7439-97-6	Mercury	0.044	B		CV
7782-49-2	Selenium	22.7	B		P
7440-22-4	Silver	6.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

TCLP-1

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1970

Matrix (soil/water): WATER Lab Sample ID: L1970-01

Level (low/med): MED Date Received: 09/20/2012

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	294			P
7440-43-9	Cadmium	51.3			P
7440-47-3	Chromium	16.9	B		P
7439-92-1	Lead	215			P
7439-97-6	Mercury	0.052	B		CV
7782-49-2	Selenium	13.8	B		P
7440-22-4	Silver	6.9	U		P

Comments:

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1970

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-68344

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury	4.6	4.95	107.6						

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1970

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-68350

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Arsenic	455.0	472.94	103.9						
Barium	9100.0	9327.88	102.5						
Cadmium	227.0	232.70	102.5						
Chromium	910.0	908.75	99.9						
Lead	455.0	469.59	103.2						
Selenium	455.0	459.86	101.1						
Silver	1130.0	1164.29	103.0						

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1970

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-68344**

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

FIMS2_120927B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	09/27/12 13:02	C	09/27/12 13:21	C	09/27/12 13:39	C		C	M
Mercury	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	CV

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1970

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-68309**

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

FIMS2_120927B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	09/27/12 13:58	C	09/27/12 14:16	C	09/27/12 14:26	C		C	M
Mercury			0.028	U	0.028	U	0.028	U	0.028	U	CV

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1970

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

FIMS2_120927B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	09/27/12 14:56	C	09/27/12 15:04	C		C		C	M
Mercury			0.028	U	0.028	U					CV

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1970

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-68350**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_120927A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 09/27/12 9:57	C	09/27/12 10:38	C	09/27/12 11:17	C	Preparation Blank	C	M
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	4.300	U	P
Barium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SL1970

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-68309**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_120927A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 09/27/12 11:50	C	09/27/12 12:20	C		C	Preparation Blank	C	M
Arsenic			4.3	U	4.3	U			4.300	U	P
Barium			1.2	B	1.1	U			1.100	U	P
Cadmium			0.9	U	0.9	U			0.890	U	P
Chromium			0.6	U	0.6	U			0.669	B	P
Lead			4.2	U	4.2	U			4.200	U	P
Selenium			12.0	U	12.0	U			12.000	U	P
Silver			6.9	U	6.9	U			6.900	U	P

Report Date:
07-Feb-13 09:47

SPECTRUM ANALYTICAL, INC.
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☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: M0080
Project : BLCP Buffalo
Project #: D007621-1

Attn: John Blaum

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
M0080-01	SS-1_01/21/2013	Soil	21-Jan-13 10:15	22-Jan-13 09:45
M0080-02	SS-2_01/21/2013	Soil	21-Jan-13 10:25	22-Jan-13 09:45
M0080-03	SS-3_01/21/2013	Soil	21-Jan-13 10:40	22-Jan-13 09:45
M0080-04	SS-4_01/21/2013	Soil	21-Jan-13 11:00	22-Jan-13 09:45
M0080-05	SS-5_01/21/2013	Soil	21-Jan-13 11:10	22-Jan-13 09:45
M0080-06	SS-6_01/21/2013	Soil	21-Jan-13 11:20	22-Jan-13 09:45
M0080-07	SS-7_01/21/2013	Soil	21-Jan-13 11:35	22-Jan-13 09:45
M0080-08	SS-8_01/21/2013	Soil	21-Jan-13 11:50	22-Jan-13 09:45
M0080-09	FD-01_01/21/2013	Soil	21-Jan-13 11:55	22-Jan-13 09:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
DoD ELAP
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



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www.spectrum-analytical.com

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : BLCP Buffalo -- D007621-1 **SDG :** M0080

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SS-1_01/21/2013	M0080-01				SW6010_W	SEE DATA
SS-1_01/21/2013	M0080-01				SW7470	
SS-2_01/21/2013	M0080-02				SW6010_W	SEE DATA
SS-2_01/21/2013	M0080-02				SW7470	
SS-3_01/21/2013	M0080-03				SW6010_W	SEE DATA
SS-3_01/21/2013	M0080-03				SW7470	
SS-4_01/21/2013	M0080-04				SW6010_W	SEE DATA
SS-4_01/21/2013	M0080-04				SW7470	
SS-5_01/21/2013	M0080-05				SW6010_W	SEE DATA
SS-5_01/21/2013	M0080-05				SW7470	
SS-6_01/21/2013	M0080-06				SW6010_W	SEE DATA
SS-6_01/21/2013	M0080-06				SW7470	
SS-7_01/21/2013	M0080-07				SW6010_W	SEE DATA
SS-7_01/21/2013	M0080-07				SW7470	
SS-8_01/21/2013	M0080-08				SW6010_W	SEE DATA
SS-8_01/21/2013	M0080-08				SW7470	
FD-01_01/21/2013	M0080-09				SW6010_W	SEE DATA
FD-01_01/21/2013	M0080-09				SW7470	

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : BLCP Buffalo -- D007621-1 **SDG :** M0080

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
M0080-01A	SL	SW6010_W	1/22/2013	2/4/2013
M0080-02A	SL	SW6010_W	1/22/2013	2/4/2013
M0080-03A	SL	SW6010_W	1/22/2013	2/4/2013
M0080-04A	SL	SW6010_W	1/22/2013	2/4/2013
M0080-05A	SL	SW6010_W	1/22/2013	2/4/2013
M0080-06A	SL	SW6010_W	1/22/2013	2/4/2013
M0080-07A	SL	SW6010_W	1/22/2013	2/4/2013
M0080-08A	SL	SW6010_W	1/22/2013	2/4/2013
M0080-09A	SL	SW6010_W	1/22/2013	2/4/2013
SW7470				
M0080-01A	SL	SW7470	1/22/2013	2/4/2013
M0080-02A	SL	SW7470	1/22/2013	2/4/2013
M0080-03A	SL	SW7470	1/22/2013	2/4/2013
M0080-04A	SL	SW7470	1/22/2013	2/4/2013
M0080-05A	SL	SW7470	1/22/2013	2/4/2013
M0080-06A	SL	SW7470	1/22/2013	2/4/2013
M0080-07A	SL	SW7470	1/22/2013	2/4/2013
M0080-08A	SL	SW7470	1/22/2013	2/4/2013
M0080-09A	SL	SW7470	1/22/2013	2/4/2013

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

New York State Department of Environmental Conservation

Sample Preparation and Analysis Summary Toxicity Characteristic Leaching Procedure

Project Name : BLCP Buffalo -- D007621-1 **SDG :** M0080

Laboratory Sample ID	Matrix	Analytical Protocol	Date Collected	Date Received By Lab	Date Extracted
SW1311					
M0080-01A	SL	SW1311	1/21/2013	1/22/2013	1/31/2013
M0080-02A	SL	SW1311	1/21/2013	1/22/2013	1/31/2013
M0080-03A	SL	SW1311	1/21/2013	1/22/2013	1/31/2013
M0080-04A	SL	SW1311	1/21/2013	1/22/2013	1/31/2013
M0080-05A	SL	SW1311	1/21/2013	1/22/2013	1/31/2013
M0080-06A	SL	SW1311	1/21/2013	1/22/2013	1/31/2013
M0080-07A	SL	SW1311	1/21/2013	1/22/2013	1/31/2013
M0080-08A	SL	SW1311	1/21/2013	1/22/2013	1/31/2013
M0080-09A	SL	SW1311	1/21/2013	1/22/2013	1/31/2013

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: M0080

Client ID: CDM_LATHAM
Project: BLCP Buffalo
WO Name: BLCP Buffalo
Location: CDM_BLCP, D007621-1
Comments: N/A

Case:
SDG:
PO: 0897-91667

HC Due: 02/08/13
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
M0080-01A	SS-1_01/21/2013	01/21/2013 10:15	01/22/2013	Soil	PMoist	/					A2
M0080-01A	SS-1_01/21/2013	01/21/2013 10:15	01/22/2013	Soil	SW6010_W	/ TCLP_METALS				Y	A2
M0080-01A	SS-1_01/21/2013	01/21/2013 10:15	01/22/2013	Soil	SW7196_S	/					A2
M0080-01A	SS-1_01/21/2013	01/21/2013 10:15	01/22/2013	Soil	SW7470	/ TCLP_METALS					A2
M0080-02A	SS-2_01/21/2013	01/21/2013 10:25	01/22/2013	Soil	PMoist	/					A2
M0080-02A	SS-2_01/21/2013	01/21/2013 10:25	01/22/2013	Soil	SW6010_W	/ TCLP_METALS				Y	A2
M0080-02A	SS-2_01/21/2013	01/21/2013 10:25	01/22/2013	Soil	SW7196_S	/					A2
M0080-02A	SS-2_01/21/2013	01/21/2013 10:25	01/22/2013	Soil	SW7470	/ TCLP_METALS					A2
M0080-03A	SS-3_01/21/2013	01/21/2013 10:40	01/22/2013	Soil	PMoist	/					A2
M0080-03A	SS-3_01/21/2013	01/21/2013 10:40	01/22/2013	Soil	SW6010_W	/ TCLP_METALS				Y	A2
M0080-03A	SS-3_01/21/2013	01/21/2013 10:40	01/22/2013	Soil	SW7196_S	/					A2
M0080-03A	SS-3_01/21/2013	01/21/2013 10:40	01/22/2013	Soil	SW7470	/ TCLP_METALS					A2
M0080-04A	SS-4_01/21/2013	01/21/2013 11:00	01/22/2013	Soil	PMoist	/					A2
M0080-04A	SS-4_01/21/2013	01/21/2013 11:00	01/22/2013	Soil	SW6010_W	/ TCLP_METALS				Y	A2
M0080-04A	SS-4_01/21/2013	01/21/2013 11:00	01/22/2013	Soil	SW7196_S	/					A2
M0080-04A	SS-4_01/21/2013	01/21/2013 11:00	01/22/2013	Soil	SW7470	/ TCLP_METALS					A2
M0080-05A	SS-5_01/21/2013	01/21/2013 11:10	01/22/2013	Soil	PMoist	/					A2
M0080-05A	SS-5_01/21/2013	01/21/2013 11:10	01/22/2013	Soil	SW6010_W	/ TCLP_METALS				Y	A2
M0080-05A	SS-5_01/21/2013	01/21/2013 11:10	01/22/2013	Soil	SW7196_S	/					A2
M0080-05A	SS-5_01/21/2013	01/21/2013 11:10	01/22/2013	Soil	SW7470	/ TCLP_METALS					A2
M0080-06A	SS-6_01/21/2013	01/21/2013 11:20	01/22/2013	Soil	PMoist	/					A2
M0080-06A	SS-6_01/21/2013	01/21/2013 11:20	01/22/2013	Soil	SW6010_W	/ TCLP_METALS				Y	A2
M0080-06A	SS-6_01/21/2013	01/21/2013 11:20	01/22/2013	Soil	SW7196_S	/					A2
M0080-06A	SS-6_01/21/2013	01/21/2013 11:20	01/22/2013	Soil	SW7470	/ TCLP_METALS					A2

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

WorkOrder: M0080

Client ID: CDM_LATHAM
Project: BLCP Buffalo
WO Name: BLCP Buffalo
Location: CDM_BLCP, D007621-1
Comments: N/A

Case:
SDG:
PO: 0897-91667

HC Due: 02/08/13
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQUIIS_4_NYSDEC

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
M0080-07A	SS-7_01/21/2013	01/21/2013 11:35	01/22/2013	Soil	PMoist	/					A2
M0080-07A	SS-7_01/21/2013	01/21/2013 11:35	01/22/2013	Soil	SW6010_W	/ TCLP_METALS				Y	A2
M0080-07A	SS-7_01/21/2013	01/21/2013 11:35	01/22/2013	Soil	SW7196_S	/					A2
M0080-07A	SS-7_01/21/2013	01/21/2013 11:35	01/22/2013	Soil	SW7470	/ TCLP_METALS					A2
M0080-08A	SS-8_01/21/2013	01/21/2013 11:50	01/22/2013	Soil	PMoist	/					A2
M0080-08A	SS-8_01/21/2013	01/21/2013 11:50	01/22/2013	Soil	SW6010_W	/ TCLP_METALS				Y	A2
M0080-08A	SS-8_01/21/2013	01/21/2013 11:50	01/22/2013	Soil	SW7196_S	/					A2
M0080-08A	SS-8_01/21/2013	01/21/2013 11:50	01/22/2013	Soil	SW7470	/ TCLP_METALS					A2
M0080-09A	FD-01_01/21/2013	01/21/2013 11:55	01/22/2013	Soil	PMoist	/					A2
M0080-09A	FD-01_01/21/2013	01/21/2013 11:55	01/22/2013	Soil	SW6010_W	/ TCLP_METALS				Y	A2
M0080-09A	FD-01_01/21/2013	01/21/2013 11:55	01/22/2013	Soil	SW7196_S	/					A2
M0080-09A	FD-01_01/21/2013	01/21/2013 11:55	01/22/2013	Soil	SW7470	/ TCLP_METALS					A2

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: BLCP Buffalo

Laboratory Workorder / SDG #: M0080

SW846 1311, SW846 6010C, SW846 7470A

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 6010C, SW846 7470A.

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A, SW7470A
Soil Samples were prepared following procedures in laboratory test code: SW1311.

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: FIMS2
Instrument Type: CVAA
Description: FIMS
Manufacturer: Perkin-Elmer
Model: FIMS100

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS/LCSD):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

A matrix spike was not performed on any sample in this SDG.

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

A duplicate analysis was not performed on any sample in this SDG.

F. Serial Dilution (SD):

A serial dilution was not performed on any sample in this SDG.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 02/05/13

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

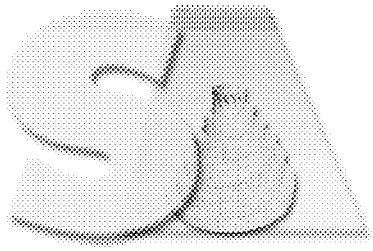
E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FD-01_01/21/2013

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Matrix (soil/water): WATER Lab Sample ID: M0080-09

Level (low/med): MED Date Received: 01/22/2013

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	583			P
7440-43-9	Cadmium	11.5			P
7440-47-3	Chromium	0.64	U		P
7439-92-1	Lead	26.7			P
7439-97-6	Mercury	0.028	U		CV
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-1_01/21/2013

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Matrix (soil/water): WATER Lab Sample ID: M0080-01

Level (low/med): MED Date Received: 01/22/2013

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	331			P
7440-43-9	Cadmium	25.4			P
7440-47-3	Chromium	0.64	U		P
7439-92-1	Lead	80.7			P
7439-97-6	Mercury	0.099	B		CV
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-2_01/21/2013

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Matrix (soil/water): WATER Lab Sample ID: M0080-02

Level (low/med): MED Date Received: 01/22/2013

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	302			P
7440-43-9	Cadmium	56.8			P
7440-47-3	Chromium	0.64	U		P
7439-92-1	Lead	250			P
7439-97-6	Mercury	0.064	B		CV
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-3_01/21/2013

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Matrix (soil/water): WATER Lab Sample ID: M0080-03

Level (low/med): MED Date Received: 01/22/2013

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	391			P
7440-43-9	Cadmium	27.6			P
7440-47-3	Chromium	1.7	B		P
7439-92-1	Lead	129			P
7439-97-6	Mercury	0.028	U		CV
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-4_01/21/2013

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Matrix (soil/water): WATER Lab Sample ID: M0080-04

Level (low/med): MED Date Received: 01/22/2013

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	271			P
7440-43-9	Cadmium	10			P
7440-47-3	Chromium	0.80	B		P
7439-92-1	Lead	35.0			P
7439-97-6	Mercury	0.047	B		CV
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-5_01/21/2013

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Matrix (soil/water): WATER Lab Sample ID: M0080-05

Level (low/med): MED Date Received: 01/22/2013

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	829			P
7440-43-9	Cadmium	11.0			P
7440-47-3	Chromium	1.1	B		P
7439-92-1	Lead	57.8			P
7439-97-6	Mercury	0.040	B		CV
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-6_01/21/2013

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Matrix (soil/water): WATER Lab Sample ID: M0080-06

Level (low/med): MED Date Received: 01/22/2013

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	579			P
7440-43-9	Cadmium	16.4			P
7440-47-3	Chromium	0.64	U		P
7439-92-1	Lead	98.3			P
7439-97-6	Mercury	0.059	B		CV
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-7_01/21/2013

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Matrix (soil/water): WATER Lab Sample ID: M0080-07

Level (low/med): MED Date Received: 01/22/2013

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	480			P
7440-43-9	Cadmium	27.6			P
7440-47-3	Chromium	1.0	B		P
7439-92-1	Lead	114			P
7439-97-6	Mercury	0.029	B		CV
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-8_01/21/2013

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Matrix (soil/water): WATER Lab Sample ID: M0080-08

Level (low/med): MED Date Received: 01/22/2013

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	517			P
7440-43-9	Cadmium	12.8			P
7440-47-3	Chromium	0.64	U		P
7439-92-1	Lead	28.8			P
7439-97-6	Mercury	0.056	B		CV
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	7.4	B		P

Comments:

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-70308**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury	4.6	4.82	104.8						

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-70309

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Arsenic	455.0	483.55	106.3						
Barium	9100.0	9694.25	106.5						
Cadmium	227.0	239.58	105.5						
Chromium	910.0	934.56	102.7						
Lead	455.0	473.69	104.1						
Selenium	455.0	472.37	103.8						
Silver	1130.0	1207.06	106.8						

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCSD-70308

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury	4.6	4.99	108.5						

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCSD-70309**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Arsenic	455.0	479.83	105.5						
Barium	9100.0	9606.53	105.6						
Cadmium	227.0	238.23	104.9						
Chromium	910.0	928.71	102.1						
Lead	455.0	473.04	104.0						
Selenium	455.0	474.59	104.3						
Silver	1130.0	1203.36	106.5						

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-70308**

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

FIMS2_130204B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	02/04/13 12:47	C	02/04/13 13:05	C	02/04/13 13:23	C		C	M
Mercury	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	CV

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-70295**

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

FIMS2_130204B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	02/04/13 13:42	C	02/04/13 13:52	C		C		C	M
Mercury			0.028	U	0.028	U			0.028	U	CV

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-70309**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_130204A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 02/04/13 8:48	C	02/04/13 9:24	C	02/04/13 10:02	C	Preparation Blank	C	M
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	4.300	U	P
Barium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SM0080

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-70295**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_130204A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 02/04/13 10:24	C	02/04/13 10:58	C	02/04/13 11:32	C	Preparation Blank	C	M
Arsenic			4.3	U	4.3	U	4.3	U	4.300	U	P
Barium			1.1	U	1.1	U	1.1	U	1.100	U	P
Cadmium			0.9	U	0.9	U	0.9	U	0.890	U	P
Chromium			0.6	U	0.6	U	0.6	U	0.640	U	P
Lead			4.2	U	4.2	U	4.2	U	4.200	U	P
Selenium			12.0	U	12.0	U	12.0	U	12.000	U	P
Silver			6.9	U	6.9	U	6.9	U	6.900	U	P

* Wet Chemistry *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: BLCP Buffalo

Laboratory Workorder / SDG #: M0080

SW846 7196A

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 7196A

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW846 3060A

V. INSTRUMENTATION

The following instrumentation was used to perform analysis:

Instrument Code: SPEC2
Instrument Type: SP
Description: Spectronic 20 Genesys
Manufacturer: Spectronic Instruments
Model: 4004-000

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on samples: FD-01_01/21/2013 (M0080-09AMS), FD-01_01/21/2013 (M0080-09AMSD) and FD-01_01/21/2013 (M0080-09AMSI).

Percent recoveries were within the QC limits with the following exceptions:

FD-01_01/21/2013 (M0080-09AMS) recovery is below criteria for Chromium, Hexavalent at 23% with criteria of (75-125).

FD-01_01/21/2013 (M0080-09AMSD) recovery is below criteria for Chromium, Hexavalent at 0% with criteria of (75-125).

3. Post Digestion Spike (PDS)

Post Digestion spikes were performed on samples: FD-01_01/21/2013 (M0080-09APDS).

Percent recoveries were within the QC limits with the following exceptions:

FD-01_01/21/2013 (M0080-09APDS) recovery is below criteria for Chromium, Hexavalent at 63% with criteria of (85-115).

Another aliquot of the sample was added1N NaOH to a final pH of 8.14 (required range is 8.0-8.5), re-spiked and reanalyzed. The result was under detection limit.

D. Duplicate sample:

Relative percent differences were within the QC limits.

E. Dilutions:

The following samples were analyzed at dilution:

FD-01_01/21/2013 (M0080-09AMSI), dilution factor: 20 for Chromium, Hexavalent

F. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 02/07/13

Data Flag/Qualifiers:

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

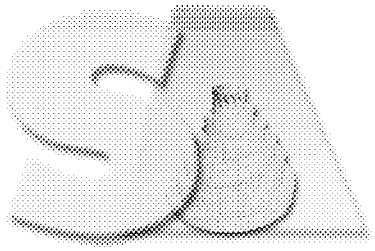
E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Client: CDM-Smith, Inc.
Client Sample ID: SS-1_01/21/2013 **Project:** BLCP Buffalo
Lab ID: M0080-01 **Collection Date:** 01/21/13 10:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 7196A -- CR+ by Colorimetric Method							**SW7196_S**
Chromium, Hexavalent	ND		5.3	mg/Kg	1	02/01/2013 10:49	70303

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: SS-2_01/21/2013 **Project:** BLCP Buffalo
Lab ID: M0080-02 **Collection Date:** 01/21/13 10:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 7196A -- CR+ by Colorimetric Method							**SW7196_S**
Chromium, Hexavalent	ND		5.5	mg/Kg	1	02/01/2013 10:51	70303

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: SS-3_01/21/2013 **Project:** BLCP Buffalo
Lab ID: M0080-03 **Collection Date:** 01/21/13 10:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 7196A -- CR+ by Colorimetric Method							**SW7196_S**
Chromium, Hexavalent	ND		4.7	mg/Kg	1	02/01/2013 10:54	70303

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: SS-4_01/21/2013 **Project:** BLCP Buffalo
Lab ID: M0080-04 **Collection Date:** 01/21/13 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 7196A -- CR+ by Colorimetric Method							**SW7196_S**
Chromium, Hexavalent	ND		5.0	mg/Kg	1	02/01/2013 10:56	70303

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: SS-5_01/21/2013 **Project:** BLCP Buffalo
Lab ID: M0080-05 **Collection Date:** 01/21/13 11:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 7196A -- CR+ by Colorimetric Method							**SW7196_S**
Chromium, Hexavalent	ND		5.2	mg/Kg	1	02/01/2013 10:59	70303

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: SS-6_01/21/2013 **Project:** BLCP Buffalo
Lab ID: M0080-06 **Collection Date:** 01/21/13 11:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 7196A -- CR+ by Colorimetric Method							**SW7196_S**
Chromium, Hexavalent	ND		6.1	mg/Kg	1	02/01/2013 11:01	70303

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: SS-7_01/21/2013 **Project:** BLCP Buffalo
Lab ID: M0080-07 **Collection Date:** 01/21/13 11:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 7196A -- CR+ by Colorimetric Method							**SW7196_S**
Chromium, Hexavalent	ND		4.9	mg/Kg	1	02/01/2013 11:03	70303

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: SS-8_01/21/2013 **Project:** BLCP Buffalo
Lab ID: M0080-08 **Collection Date:** 01/21/13 11:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 7196A -- CR+ by Colorimetric Method							**SW7196_S**
Chromium, Hexavalent	ND		5.2	mg/Kg	1	02/01/2013 11:06	70303

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: FD-01_01/21/2013 **Project:** BLCP Buffalo
Lab ID: M0080-09 **Collection Date:** 01/21/13 11:55

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 7196A -- CR+ by Colorimetric Method							**SW7196_S**
Chromium, Hexavalent	ND		5.0	mg/Kg	1	02/01/2013 11:10	70303

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: CDM-Smith, Inc.
Work Order: M0080
Project: BLCP Buffalo

ANALYTICAL QC SUMMARY REPORT

SW7196_S

SW846 7196A -- CR+ by Colorimetric Method

Sample ID: **MB-70303** SampType: **MBLK** TestCode: **SW7196_S** Prep Date: **01/31/13 11:30** Run ID: **SPEC2_130201A**
Client ID: **MB-70303** Batch ID: **70303** Units: **mg/Kg** Analysis Date: **02/01/13 10:44** SeqNo: **1862080**

Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	4.0	4.0									

Sample ID: **LCS-70303** SampType: **LCS** TestCode: **SW7196_S** Prep Date: **01/31/13 11:30** Run ID: **SPEC2_130201A**
Client ID: **LCS-70303** Batch ID: **70303** Units: **mg/Kg** Analysis Date: **02/01/13 10:47** SeqNo: **1862081**

Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	17.12	4.0	4.0	20.00	0	85.6	80	120	0			

Sample ID: **M0080-09ADUP** SampType: **DUP** TestCode: **SW7196_S** Prep Date: **01/31/13 11:30** Run ID: **SPEC2_130201A**
Client ID: **FD-01_01/21/2013** Batch ID: **70303** Units: **mg/Kg** Analysis Date: **02/01/13 11:13** SeqNo: **1862092**

Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	5.4	5.4	0	0	0	0	0	0	0	20	

Sample ID: **M0080-09AMS** SampType: **MS** TestCode: **SW7196_S** Prep Date: **01/31/13 11:30** Run ID: **SPEC2_130201A**
Client ID: **FD-01_01/21/2013** Batch ID: **70303** Units: **mg/Kg** Analysis Date: **02/01/13 11:15** SeqNo: **1862093**

Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	6.125	5.3	5.3	26.25	0	23.3	75	125	0			S

Sample ID: **M0080-09AMSD** SampType: **MSD** TestCode: **SW7196_S** Prep Date: **01/31/13 11:30** Run ID: **SPEC2_130201A**
Client ID: **FD-01_01/21/2013** Batch ID: **70303** Units: **mg/Kg** Analysis Date: **02/01/13 11:22** SeqNo: **1862096**

Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	5.2	5.2	25.94	0	0	75	125	6.125	0	35	S

Sample ID: **M0080-09AMSI** SampType: **MSi** TestCode: **SW7196_S** Prep Date: **01/31/13 11:30** Run ID: **SPEC2_130201A**
Client ID: **FD-01_01/21/2013** Batch ID: **70303** Units: **mg/Kg** Analysis Date: **02/01/13 11:18** SeqNo: **1862094**

Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	346.7	110	110	426.2	0	81.4	30	150	0			

CLIENT: CDM-Smith, Inc.
Work Order: M0080
Project: BLCP Buffalo

ANALYTICAL QC SUMMARY REPORT

SW7196_S

SW846 7196A -- CR+ by Colorimetric Method

Sample ID: **M0080-09APDS** SampType: **PDS** TestCode: **SW7196_S** Prep Date: **01/31/13 11:30** Run ID: **SPEC2_130201A**

Client ID: **FD-01_01/21/2013** Batch ID: **70303** Units: **mg/Kg** Analysis Date: **02/01/13 11:20** SeqNo: **1862095**

Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	12.66	5.0	5.0	19.94	0	63.5	85	115	0			S

Qualifiers:
ND - Not Detected at the MDL
J - Analyte detected below quanititation limits
S - Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
MDL - Method Detection Limit
RL - Reporting Limit
B - Analyte detected in the associated Method Blank

PHOENIX
Environmental Laboratories, Inc.

Friday, July 18, 2014

Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Project ID: BUFFALO LAKESIDE
Sample ID#s: BG73940 - BG73962

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

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

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

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

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

Sincerely yours,

Phyllis Shiller

Laboratory Director

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

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	8:00
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73940

Project ID: BUFFALO LAKESIDE
Client ID: SS-11-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/14/14	I	E160.3
Chromium, Hexavalent MS/MSD	completed			07/16/14	CL	SW3060/7196
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.47	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Hexavelent Chromium	Completed			07/16/14		
Redox Potential	402	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	8:10
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73941

Project ID: BUFFALO LAKESIDE
Client ID: SS-12-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.46	0.46	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.71	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	333	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	8:16
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73942

Project ID: BUFFALO LAKESIDE
Client ID: SS-13-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.76	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	424	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	8:25
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73943

Project ID: BUFFALO LAKESIDE
Client ID: SS-14-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.78	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	396	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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July 18, 2014
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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	8:30
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73944

Project ID: BUFFALO LAKESIDE
Client ID: SS-15-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.73	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	409	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	9:25
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73945

Project ID: BUFFALO LAKESIDE
Client ID: SS-16-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.59	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	338	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	9:37
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73946

Project ID: BUFFALO LAKESIDE
Client ID: SS-17-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.46	0.46	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.72	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	350	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	9:50
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73947

Project ID: BUFFALO LAKESIDE
Client ID: SS-18-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.48	0.48	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.50	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	442	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	10:00
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73948

Project ID: BUFFALO LAKESIDE
Client ID: SS-19-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.44	0.44	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.16	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	420	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	10:15
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73949

Project ID: BUFFALO LAKESIDE
Client ID: SS-20-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.62	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	400	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:05
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73950

Project ID: BUFFALO LAKESIDE
Client ID: SS-21-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.83	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	382	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Phyllis Shiller, Laboratory Director
July 18, 2014
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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:15
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73951

Project ID: BUFFALO LAKESIDE
Client ID: SS-22-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.44	0.44	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.69	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	413	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:20
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73952

Project ID: BUFFALO LAKESIDE
Client ID: SS-23-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/14/14	I	E160.3
Chromium, Hexavalent MS/MSD	Completed			07/17/14	CL	SW3060/7196
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.84	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Hexavelent Chromium	Completed			07/17/14		
Redox Potential	391	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:30
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73953

Project ID: BUFFALO LAKESIDE
Client ID: SS-24-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.46	0.46	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.65	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	440	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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July 18, 2014
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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:30
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73954

Project ID: BUFFALO LAKESIDE
Client ID: SS-FD-03-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	67		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.60	0.60	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.48	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	364	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:50
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73955

Project ID: BUFFALO LAKESIDE
Client ID: SS-25-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.49	0.49	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.21	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	346	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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July 18, 2014
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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:55
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73956

Project ID: BUFFALO LAKESIDE
Client ID: SS-26-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.44	0.44	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.44	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	389	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	13:28
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73957

Project ID: BUFFALO LAKESIDE
Client ID: SS-27-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.50	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	373	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	13:35
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73958

Project ID: BUFFALO LAKESIDE
Client ID: SS-28-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 1.04	1.04	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.10	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	384	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	13:50
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73959

Project ID: BUFFALO LAKESIDE
Client ID: SS-29-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.51	0.51	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.41	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	403	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	13:58
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73960

Project ID: BUFFALO LAKESIDE
Client ID: SS-30-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.56	0.56	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.40	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	351	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	14:02
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73961

Project ID: BUFFALO LAKESIDE
Client ID: SS-31-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.78	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	396	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	14:12
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73962

Project ID: BUFFALO LAKESIDE
Client ID: SS-32-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	72		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.56	0.56	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.19	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	327	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

QA/QC Report

July 18, 2014

QA/QC Data

SDG I.D.: GBG73940

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 280158, QC Sample No: BG73940 (BG73940, BG73941, BG73942, BG73943, BG73944, BG73945, BG73946, BG73947, BG73948)													
Hex Chromium - Soil													
Hexavalent Cr	BRL	<0.47	<0.47	NC	102						70 - 130	30	
Insoluble Cr					96.7			89.3			70 - 130	30	
Soluble Cr					99.3			<10.0%			70 - 130	30	m
Comment:													
Soluble spike was analyzed twice with similar recoveries and post digestive spike recovery was 100%.													
QA/QC Batch 280296, QC Sample No: BG73952 (BG73949, BG73950, BG73951, BG73952, BG73953, BG73954, BG73955, BG73956, BG73957, BG73958, BG73959, BG73960, BG73961, BG73962)													
Hex Chromium - Soil													
Hexavalent Cr	BRL	<0.47	<0.47	NC	101						70 - 130	30	
Insoluble Cr					94.0			57.0			70 - 130	30	m
Soluble Cr					97.2			10.1			70 - 130	30	m
Comment:													
Soluble spike was analyzed twice with similar recoveries and post digestive spike recovery was 100%													

m = This parameter is outside laboratory ms/msd specified recovery limits.

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

QA/QC Report

July 18, 2014

QA/QC Data

SDG I.D.: GBG73940

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 279931, QC Sample No: BG73505 (BG73940, BG73941, BG73942, BG73943, BG73944, BG73945, BG73946, BG73947, BG73948, BG73949, BG73950, BG73951, BG73952, BG73953, BG73954, BG73955, BG73956)												
pH - Soil		8.31	8.52	2.50	97.4						85 - 115	20
QA/QC Batch 279933, QC Sample No: BG74293 (BG73957, BG73958, BG73959, BG73960, BG73961, BG73962)												
pH - Soil		7.26	7.29	0.40	97.4						85 - 115	20

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

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

Phyllis Shiller, Laboratory Director
July 18, 2014

Sample Criteria Exceedences Report

GBG73940 - SPECTRUM-RI

Criteria: None

State: RI

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

*** No Data to Display ***

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

6°C wc IP

CHAIN-OF-CUSTODY RECORD

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

WorkOrder : N1194
Project: Buffalo Lakeside
Report Type : ASP-B
Due Date : 7/23/2014
FAX Due Date : 7/18/2014
Report To : Agnes R Huntley
Purchase Order : N1194
EDD Types : **Please generate a Little PEL EDD**

Subcontractor:
Phoenix Environmental Labs, Inc.
587 East Middle Turnpike; P.O. Box 418
Manchester, CT 060400418

Phone: (800) 827-5426

EQuISFacilityCode: N/A

= number of containers

Requested Test

Client Sample ID	Collection Date	#	Matrix	DUP/MS/MSD	Mitkem Sample ID	SW7196_S										
SS-11-071014	07/10/2014 08:00	3	Soil	X	N1194-01B	X										73940
SS-12-071014	07/10/2014 08:10	1	Soil		N1194-02B	X										73941
SS-13-071014	07/10/2014 08:16	1	Soil		N1194-03B	X										73942
SS-14-071014	07/10/2014 08:25	1	Soil		N1194-04B	X										73943
SS-15-071014	07/10/2014 08:30	1	Soil		N1194-05B	X										73944
SS-16-071014	07/10/2014 09:25	1	Soil		N1194-06B	X										73945

1) SW7196_S, CR+ BY COLORIMETRIC METHOD

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Please log all N1194 samples into one work order.

		Date/Time			Date/Time
Relinquished by:	Agnes R Huntley	07/11/14 11:18	**Received by:**	Bill Hennessy	7/10/14 1120
Relinquished by:	Bill Hennessy		**Received by:**	Subcon	

07/11/2014

646 Camp Ave * North Kingstown * RI * 028524008 * 401-732-3400 * 401-732-3499
www.spectrum-analytical.com

Rec'd Mary Anderson 7/11/14

7/14/14 TMcCue 7/14/14 15:37

6°C WC IP

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN-OF-CUSTODY RECORD

WorkOrder : N1194
Project: Buffalo Lakeside
Report Type : ASP-B
Due Date : 7/23/2014
FAX Due Date : 7/18/2014
Report To : Agnes R Huntley
Purchase Order : N1194
EDD Types : **Please generate a Little PEL EDD**

Subcontractor:
Phoenix Environmental Labs, Inc.
587 East Middle Turnpike; P.O. Box 418
Manchester, CT 060400418

Phone: (800) 827-5426

EQuISFacilityCode: N/A

= number of containers

Requested Test

Client Sample ID	Collection Date	#	Matrix	DUP/MS/MSD	Mitkem Sample ID	SW7196_S									
SS-17-071014	07/10/2014 09:37	1	Soil		N1194-07B	X									73946
SS-18-071014	07/10/2014 09:50	1	Soil		N1194-08B	X									73947
SS-19-071014	07/10/2014 10:00	1	Soil		N1194-09B	X									73948
SS-20-071014	07/10/2014 10:15	1	Soil		N1194-10B	X									73949
SS-21-071014	07/10/2014 12:05	1	Soil		N1194-12B	X									73950
SS-22-071014	07/10/2014 12:15	1	Soil		N1194-13B	X									73951

1) SW7196_S, CR+ BY COLORIMETRIC METHOD

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Please log all N1194 samples into one work order.

		Date/Time			Date/Time
Relinquished by:	Agnes R Huntley	07/11/14 11:18	**Received by:**		7/11/14 1130
Relinquished by:			**Received by:**		

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Rec Mary Olson 7/14/14

7/14/14 7/14/14 15:37

CHAIN-OF-CUSTODY RECORD

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

WorkOrder : N1194
Project: Buffalo Lakeside
Report Type : ASP-B
Due Date : 7/23/2014
FAX Due Date : 7/18/2014
Report To : Agnes R Huntley
Purchase Order : N1194
EDD Types : **Please generate a Little PEL EDD**

Subcontractor:
Phoenix Environmental Labs, Inc.
587 East Middle Turnpike; P.O. Box 418
Manchester, CT 060400418

Phone: (800) 827-5426

EQuISFacilityCode: N/A

= number of containers

Requested Test

Client Sample ID	Collection Date	#	Matrix	DUP/MS/MSD	Mitkem Sample ID	SW7196_S									
SS-23-071014	07/10/2014 12:20	3	Soil	X	N1194-14B	X									73952
SS-24-071014	07/10/2014 12:30	1	Soil		N1194-15B	X									73953
SS-FD-03-071014	07/10/2014 12:30	1	Soil		N1194-16B	X									73954
SS-25-071014	07/10/2014 12:50	1	Soil		N1194-17B	X									73955
SS-26-071014	07/10/2014 12:55	1	Soil		N1194-18B	X									73956
SS-27-071014	07/10/2014 13:28	1	Soil		N1194-19B	X									73957

1) SW7196_S, CR+ BY COLORIMETRIC METHOD

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Please log all N1194 samples into one work order.

		Date/Time			Date/Time
Relinquished by:	Agnes R Huntley	07/11/14 11:18	**Received by:**		7/11/14 1130
Relinquished by:			**Received by:**	Scott T	

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www.spectrum-analytical.com

Rec- Mary Olson 7/14/14

7/14/14 7/14/14 15:37

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN-OF-CUSTODY RECORD

bill IP

Subcontractor:
Phoenix Environmental Labs, Inc.
587 East Middle Turnpike; P.O. Box 418
Manchester, CT 060400418

Phone: (800) 827-5426

EQuISFacilityCode: N/A

WorkOrder : N1194
Project: Buffalo Lakeside
Report Type : ASP-B
Due Date : 7/23/2014
FAX Due Date : 7/18/2014
Report To : Agnes R Huntley
Purchase Order : N1194
EDD Types : **Please generate a Little PEL EDD**

= number of containers

Requested Test

Client Sample ID	Collection Date	#	Matrix	DUP/MS/MSD	Mitkem Sample ID	SW7196_S									
SS-28-071014	07/10/2014 13:35	1	Soil		N1194-20B	X									73958
SS-29-071014	07/10/2014 13:50	1	Soil		N1194-21B	X									73959
SS-30-071014	07/10/2014 13:58	1	Soil		N1194-22B	X									73960
SS-31-071014	07/10/2014 14:02	1	Soil		N1194-23B	X									73961
SS-32-071014	07/10/2014 14:12	1	Soil		N1194-24B	X									73962

1) SW7196_S, CR+ BY COLORIMETRIC METHOD

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Please log all N1194 samples into one work order.

		Date/Time			Date/Time
Relinquished by:	Agnes R Huntley	07/11/14 11:18	**Received by:**	Bill Hanig	7/11/14 1430
Relinquished by:	Bill Hanig		**Received by:**	Schoof	

646 Camp Ave * North Kingstown * RI * 028524008 * 401-732-3400 * 401-732-3499
www.spectrum-analytical.com

Rec Marjueleson 7/14/14

7/14/14

TMMM 7/14/14 15:37

Subcontract Purchase Order For Work Order N1194

PO Number: N1194

To: Phoenix Environmental Labs, Inc.
587 East Middle Turnpike; P.O. Box 418
Manchester, CT 060400418
(800) 827-5426

Requested MS/D Billable?: No
Hard Copy Due Date: 7/23/2014
FAX Due Date: 7/18/2014
Hard Copy Format: ASP-B
EDD Format: EQuIS_4_NYSDEC_v3

Comments:

Please log all N1194 samples into one work order.

Test Code	Test No	# of Samples	Unit Cost	Total Cost
SW7196_S	SW7196	23	$20.00	$460.00

* Includes billable QC

Send one copy of invoice to:

Spectrum Analytical, Inc
830 Silver St
Agawam, MA 01001
413-789-9018

Invoice must reference PO Number

07/11/2014 11:18

Report Date:
22-Jul-14 05:35

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: N1176
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
N1176-01	SB-01-10-070714	Soil	07-Jul-14 13:05	09-Jul-14 11:05
N1176-02	SB-02-10-070714	Soil	07-Jul-14 13:35	09-Jul-14 11:05
N1176-03	SB-03-10-070714	Soil	07-Jul-14 13:45	09-Jul-14 11:05
N1176-04	SB-04-10-070714	Soil	07-Jul-14 14:00	09-Jul-14 11:05
N1176-05	SB-05-10-070714	Soil	07-Jul-14 14:20	09-Jul-14 11:05
N1176-06	SB-06-10-070714	Soil	07-Jul-14 14:35	09-Jul-14 11:05
N1176-07	FD-01-070714	Soil	07-Jul-14 14:35	09-Jul-14 11:05
N1176-08	SB-07-03-070714	Soil	07-Jul-14 15:55	09-Jul-14 11:05
N1176-09	SB-07-10-070714	Soil	07-Jul-14 16:10	09-Jul-14 11:05
N1176-10	SB-08-04-070714	Soil	07-Jul-14 16:30	09-Jul-14 11:05
N1176-11	SB-09-04-070814A	Soil	08-Jul-14 08:10	09-Jul-14 11:05
N1176-12	SB-12-10-070814	Soil	08-Jul-14 09:00	09-Jul-14 11:05
N1176-13	SB-13-08-070814	Soil	08-Jul-14 09:20	09-Jul-14 11:05
N1176-14	SB-14-10-070814	Soil	08-Jul-14 09:35	09-Jul-14 11:05
N1176-15	SB-15-08-070814	Soil	08-Jul-14 09:50	09-Jul-14 11:05
N1176-16	SB-16-10-070814	Soil	08-Jul-14 10:15	09-Jul-14 11:05
N1176-17	SB-01-10-070814	Soil	08-Jul-14 10:45	09-Jul-14 11:05
N1176-18	SB-02-10-070814	Soil	08-Jul-14 11:00	09-Jul-14 11:05
N1176-19	SB-03-10-070814	Soil	08-Jul-14 11:15	09-Jul-14 11:05
N1176-20	SB-04-10-070814	Soil	08-Jul-14 11:25	09-Jul-14 11:05
N1176-21	SB-10-10-070814A	Soil	08-Jul-14 08:25	09-Jul-14 11:05
N1176-22	SB-11-10-070814A	Soil	08-Jul-14 08:40	09-Jul-14 11:05
N1176-23	FD-02-070814A	Soil	08-Jul-14 08:40	09-Jul-14 11:05
N1176-24	SB-05-10-070814	Soil	08-Jul-14 11:45	09-Jul-14 11:05
N1176-25	SB-06-10-070814	Soil	08-Jul-14 12:45	09-Jul-14 11:05
N1176-26	FD-01-070814	Soil	08-Jul-14 12:45	09-Jul-14 11:05
N1176-27	RB-01-070814	Aqueous	08-Jul-14 13:00	09-Jul-14 11:05
N1176-28	SB-07-03-070814	Soil	08-Jul-14 13:05	09-Jul-14 11:05
N1176-29	SB-07-10-070814	Soil	08-Jul-14 13:10	09-Jul-14 11:05
N1176-30	SB-08-04-070814	Soil	08-Jul-14 13:40	09-Jul-14 11:05
N1176-31	SB-09-04-070814B	Soil	08-Jul-14 13:50	09-Jul-14 11:05
N1176-32	SB-11-10-070814B	Soil	08-Jul-14 14:05	09-Jul-14 11:05
N1176-33	FD-02-070814B	Soil	08-Jul-14 14:05	09-Jul-14 11:05
N1176-34	SB-10-10-070814B	Soil	08-Jul-14 14:20	09-Jul-14 11:05

Report Date:
22-Jul-14 05:35

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

- [x] Final Report
- [ ] Re-Issued Report
- [ ] Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: N1176
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

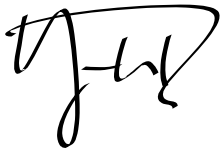
Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
DoD ELAP
Certificate # L2247 Testing

Authorized by:



Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1176

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-01-10-070714	N1176-01		SW8270_S		SW6010_S	SEE DATA
SB-02-10-070714	N1176-02		SW8270_S		SW6010_S	SEE DATA
SB-03-10-070714	N1176-03		SW8270_S		SW6010_S	SEE DATA
SB-04-10-070714	N1176-04		SW8270_S		SW6010_S	SEE DATA
SB-05-10-070714	N1176-05		SW8270_S		SW6010_S	SEE DATA
SB-06-10-070714	N1176-06		SW8270_S		SW6010_S	SEE DATA
FD-01-070714	N1176-07		SW8270_S		SW6010_S	SEE DATA
SB-07-03-070714	N1176-08		SW8270_S		SW6010_S	SEE DATA
SB-07-10-070714	N1176-09		SW8270_S		SW6010_S	SEE DATA
SB-08-04-070714	N1176-10		SW8270_S		SW6010_S	SEE DATA
SB-09-04-070814A	N1176-11		SW8270_S		SW6010_S	SEE DATA
SB-12-10-070814	N1176-12		SW8270_S		SW6010_S	SEE DATA
SB-13-08-070814	N1176-13		SW8270_S		SW6010_S	SEE DATA
SB-14-10-070814	N1176-14		SW8270_S		SW6010_S	SEE DATA
SB-15-08-070814	N1176-15		SW8270_S		SW6010_S	SEE DATA
SB-16-10-070814	N1176-16		SW8270_S		SW6010_S	SEE DATA
SB-01-10-070814	N1176-17					SEE DATA
SB-02-10-070814	N1176-18					SEE DATA
SB-03-10-070814	N1176-19					SEE DATA
SB-04-10-070814	N1176-20					SEE DATA
SB-10-10-070814A	N1176-21		SW8270_S		SW6010_S	SEE DATA
SB-11-10-070814A	N1176-22		SW8270_S		SW6010_S	SEE DATA
FD-02-070814A	N1176-23		SW8270_S		SW6010_S	SEE DATA
SB-05-10-070814	N1176-24					SEE DATA
SB-06-10-070814	N1176-25					SEE DATA
FD-01-070814	N1176-26					SEE DATA
RB-01-070814	N1176-27		SW8270_W		SW6010_W	SEE DATA
SB-07-03-070814	N1176-28					SEE DATA
SB-07-10-070814	N1176-29					SEE DATA
SB-08-04-070814	N1176-30					SEE DATA
SB-09-04-070814B	N1176-31					SEE DATA
SB-11-10-070814B	N1176-32					SEE DATA
FD-02-070814B	N1176-33					SEE DATA
SB-10-10-070814B	N1176-34					SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1176

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					
N1176-01A	SL	7/7/2014	7/9/2014	7/11/2014	7/15/2014
N1176-02A	SL	7/7/2014	7/9/2014	7/11/2014	7/15/2014
N1176-03A	SL	7/7/2014	7/9/2014	7/11/2014	7/15/2014
N1176-04A	SL	7/7/2014	7/9/2014	7/11/2014	7/15/2014
N1176-05A	SL	7/7/2014	7/9/2014	7/11/2014	7/15/2014
N1176-06A	SL	7/7/2014	7/9/2014	7/11/2014	7/15/2014
N1176-07A	SL	7/7/2014	7/9/2014	7/11/2014	7/15/2014
N1176-08A	SL	7/7/2014	7/9/2014	7/11/2014	7/16/2014
N1176-09A	SL	7/7/2014	7/9/2014	7/11/2014	7/16/2014
N1176-10A	SL	7/7/2014	7/9/2014	7/11/2014	7/16/2014
N1176-11A	SL	7/8/2014	7/9/2014	7/11/2014	7/16/2014
N1176-12A	SL	7/8/2014	7/9/2014	7/11/2014	7/16/2014
N1176-13A	SL	7/8/2014	7/9/2014	7/11/2014	7/16/2014
N1176-14A	SL	7/8/2014	7/9/2014	7/11/2014	7/16/2014
N1176-15A	SL	7/8/2014	7/9/2014	7/11/2014	7/16/2014
N1176-16A	SL	7/8/2014	7/9/2014	7/11/2014	7/16/2014
N1176-21A	SL	7/8/2014	7/9/2014	7/11/2014	7/16/2014
N1176-21AMS	SL	7/8/2014	7/9/2014	7/11/2014	7/16/2014
N1176-21AMSD	SL	7/8/2014	7/9/2014	7/11/2014	7/16/2014
N1176-22A	SL	7/8/2014	7/9/2014	7/11/2014	7/16/2014
N1176-22ADL	SL	7/8/2014	7/9/2014	7/11/2014	7/17/2014
N1176-23A	SL	7/8/2014	7/9/2014	7/11/2014	7/16/2014
N1176-23ADL	SL	7/8/2014	7/9/2014	7/11/2014	7/17/2014
SW8270_W					
N1176-27A	AQ	7/8/2014	7/9/2014	7/14/2014	7/15/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1176

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					
N1176-01A	SL	SW8270_S	3550B	NA	1
N1176-02A	SL	SW8270_S	3550B	NA	1
N1176-03A	SL	SW8270_S	3550B	NA	1
N1176-04A	SL	SW8270_S	3550B	NA	1
N1176-05A	SL	SW8270_S	3550B	NA	1
N1176-06A	SL	SW8270_S	3550B	NA	1
N1176-07A	SL	SW8270_S	3550B	NA	1
N1176-08A	SL	SW8270_S	3550B	NA	1
N1176-09A	SL	SW8270_S	3550B	NA	1
N1176-10A	SL	SW8270_S	3550B	NA	1
N1176-11A	SL	SW8270_S	3550B	NA	1
N1176-12A	SL	SW8270_S	3550B	NA	1
N1176-13A	SL	SW8270_S	3550B	NA	1
N1176-14A	SL	SW8270_S	3550B	NA	1
N1176-15A	SL	SW8270_S	3550B	NA	1
N1176-16A	SL	SW8270_S	3550B	NA	1
N1176-21A	SL	SW8270_S	3550B	NA	1
N1176-21AMS	SL	SW8270_S	3550B	NA	1
N1176-21AMSD	SL	SW8270_S	3550B	NA	1
N1176-22A	SL	SW8270_S	3550B	NA	1
N1176-22ADL	SL	SW8270_S	3550B	NA	10
N1176-23A	SL	SW8270_S	3550B	NA	1
N1176-23ADL	SL	SW8270_S	3550B	NA	2
SW8270_W					
N1176-27A	AQ	SW8270_W	3510C	NA	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** N1176

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
N1176-01A	SL	SW6010_S	7/9/2014	7/17/2014
N1176-02A	SL	SW6010_S	7/9/2014	7/17/2014
N1176-03A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-04A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-05A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-06A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-07A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-08A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-09A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-10A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-11A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-12A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-12ADUP	SL	SW6010_S	7/9/2014	7/15/2014
N1176-12AMS	SL	SW6010_S	7/9/2014	7/15/2014
N1176-13A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-14A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-15A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-16A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-21A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-21ADUP	SL	SW6010_S	7/9/2014	7/15/2014
N1176-21AMS	SL	SW6010_S	7/9/2014	7/15/2014
N1176-22A	SL	SW6010_S	7/9/2014	7/15/2014
N1176-23A	SL	SW6010_S	7/9/2014	7/15/2014
SW6010_W				
N1176-27D	AQ	SW6010_W	7/9/2014	7/15/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1176

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: Fax date added.

Case:
SDG:
PO: NEEDS PO

HC Due: 07/21/14
Fax Due: 07/16/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1176-01A	SB-01-10-070714	07/07/2014 13:05	07/09/2014	Soil	PMoist	/					B3
N1176-01A	SB-01-10-070714	07/07/2014 13:05	07/09/2014	Soil	SW6010_S	/					B3
N1176-01A	SB-01-10-070714	07/07/2014 13:05	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-01A	SB-01-10-070714	07/07/2014 13:05	07/09/2014	Soil	SW9012_S	/					B3
N1176-02A	SB-02-10-070714	07/07/2014 13:35	07/09/2014	Soil	PMoist	/					B3
N1176-02A	SB-02-10-070714	07/07/2014 13:35	07/09/2014	Soil	SW6010_S	/					B3
N1176-02A	SB-02-10-070714	07/07/2014 13:35	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-02A	SB-02-10-070714	07/07/2014 13:35	07/09/2014	Soil	SW9012_S	/					B3
N1176-03A	SB-03-10-070714	07/07/2014 13:45	07/09/2014	Soil	PMoist	/					B3
N1176-03A	SB-03-10-070714	07/07/2014 13:45	07/09/2014	Soil	SW6010_S	/					B3
N1176-03A	SB-03-10-070714	07/07/2014 13:45	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-03A	SB-03-10-070714	07/07/2014 13:45	07/09/2014	Soil	SW9012_S	/					B3
N1176-04A	SB-04-10-070714	07/07/2014 14:00	07/09/2014	Soil	PMoist	/					B3
N1176-04A	SB-04-10-070714	07/07/2014 14:00	07/09/2014	Soil	SW6010_S	/					B3
N1176-04A	SB-04-10-070714	07/07/2014 14:00	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-04A	SB-04-10-070714	07/07/2014 14:00	07/09/2014	Soil	SW9012_S	/					B3
N1176-05A	SB-05-10-070714	07/07/2014 14:20	07/09/2014	Soil	PMoist	/					B3
N1176-05A	SB-05-10-070714	07/07/2014 14:20	07/09/2014	Soil	SW6010_S	/					B3
N1176-05A	SB-05-10-070714	07/07/2014 14:20	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-05A	SB-05-10-070714	07/07/2014 14:20	07/09/2014	Soil	SW9012_S	/					B3
N1176-06A	SB-06-10-070714	07/07/2014 14:35	07/09/2014	Soil	PMoist	/					B3
N1176-06A	SB-06-10-070714	07/07/2014 14:35	07/09/2014	Soil	SW6010_S	/					B3
N1176-06A	SB-06-10-070714	07/07/2014 14:35	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-06A	SB-06-10-070714	07/07/2014 14:35	07/09/2014	Soil	SW9012_S	/					B3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

07/10/2014 10:23 Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1176

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: Fax date added.

Case:
SDG:
PO: NEEDS PO

HC Due: 07/21/14
Fax Due: 07/16/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1176-07A	FD-01-070714	07/07/2014 14:35	07/09/2014	Soil	PMoist	/					B3
N1176-07A	FD-01-070714	07/07/2014 14:35	07/09/2014	Soil	SW6010_S	/					B3
N1176-07A	FD-01-070714	07/07/2014 14:35	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-07A	FD-01-070714	07/07/2014 14:35	07/09/2014	Soil	SW9012_S	/					B3
N1176-08A	SB-07-03-070714	07/07/2014 15:55	07/09/2014	Soil	PMoist	/					B3
N1176-08A	SB-07-03-070714	07/07/2014 15:55	07/09/2014	Soil	SW6010_S	/					B3
N1176-08A	SB-07-03-070714	07/07/2014 15:55	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-08A	SB-07-03-070714	07/07/2014 15:55	07/09/2014	Soil	SW9012_S	/					B3
N1176-09A	SB-07-10-070714	07/07/2014 16:10	07/09/2014	Soil	PMoist	/					B3
N1176-09A	SB-07-10-070714	07/07/2014 16:10	07/09/2014	Soil	SW6010_S	/					B3
N1176-09A	SB-07-10-070714	07/07/2014 16:10	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-09A	SB-07-10-070714	07/07/2014 16:10	07/09/2014	Soil	SW9012_S	/					B3
N1176-10A	SB-08-04-070714	07/07/2014 16:30	07/09/2014	Soil	PMoist	/					B3
N1176-10A	SB-08-04-070714	07/07/2014 16:30	07/09/2014	Soil	SW6010_S	/					B3
N1176-10A	SB-08-04-070714	07/07/2014 16:30	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-10A	SB-08-04-070714	07/07/2014 16:30	07/09/2014	Soil	SW9012_S	/					B3
N1176-11A	SB-09-04-070814A	07/08/2014 08:10	07/09/2014	Soil	PMoist	/					B3
N1176-11A	SB-09-04-070814A	07/08/2014 08:10	07/09/2014	Soil	SW6010_S	/					B3
N1176-11A	SB-09-04-070814A	07/08/2014 08:10	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-11A	SB-09-04-070814A	07/08/2014 08:10	07/09/2014	Soil	SW9012_S	/					B3
N1176-12A	SB-12-10-070814	07/08/2014 09:00	07/09/2014	Soil	PMoist	/					B3
N1176-12A	SB-12-10-070814	07/08/2014 09:00	07/09/2014	Soil	SW6010_S	/					B3
N1176-12A	SB-12-10-070814	07/08/2014 09:00	07/09/2014	Soil	SW8270_S	/				Y	B3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1176

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: Fax date added.

Case:
SDG:
PO: NEEDS PO

HC Due: 07/21/14
Fax Due: 07/16/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1176-12A	SB-12-10-070814	07/08/2014 09:00	07/09/2014	Soil	SW9012_S	/					B3
N1176-12B	SB-12-10-070814	07/08/2014 09:00	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-13A	SB-13-08-070814	07/08/2014 09:20	07/09/2014	Soil	PMoist	/					B3
N1176-13A	SB-13-08-070814	07/08/2014 09:20	07/09/2014	Soil	SW6010_S	/					B3
N1176-13A	SB-13-08-070814	07/08/2014 09:20	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-13A	SB-13-08-070814	07/08/2014 09:20	07/09/2014	Soil	SW9012_S	/					B3
N1176-13B	SB-13-08-070814	07/08/2014 09:20	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-14A	SB-14-10-070814	07/08/2014 09:35	07/09/2014	Soil	PMoist	/					B3
N1176-14A	SB-14-10-070814	07/08/2014 09:35	07/09/2014	Soil	SW6010_S	/					B3
N1176-14A	SB-14-10-070814	07/08/2014 09:35	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-14A	SB-14-10-070814	07/08/2014 09:35	07/09/2014	Soil	SW9012_S	/					B3
N1176-14B	SB-14-10-070814	07/08/2014 09:35	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-15A	SB-15-08-070814	07/08/2014 09:50	07/09/2014	Soil	PMoist	/					B3
N1176-15A	SB-15-08-070814	07/08/2014 09:50	07/09/2014	Soil	SW6010_S	/					B3
N1176-15A	SB-15-08-070814	07/08/2014 09:50	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-15A	SB-15-08-070814	07/08/2014 09:50	07/09/2014	Soil	SW9012_S	/					B3
N1176-15B	SB-15-08-070814	07/08/2014 09:50	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-16A	SB-16-10-070814	07/08/2014 10:15	07/09/2014	Soil	PMoist	/					B3
N1176-16A	SB-16-10-070814	07/08/2014 10:15	07/09/2014	Soil	SW6010_S	/					B3
N1176-16A	SB-16-10-070814	07/08/2014 10:15	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-16A	SB-16-10-070814	07/08/2014 10:15	07/09/2014	Soil	SW9012_S	/					B3
N1176-16B	SB-16-10-070814	07/08/2014 10:15	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1176

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: Fax date added.

Case:
SDG:
PO: NEEDS PO

HC Due: 07/21/14
Fax Due: 07/16/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1176-17A	SB-01-10-070814	07/08/2014 10:45	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-18A	SB-02-10-070814	07/08/2014 11:00	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-19A	SB-03-10-070814	07/08/2014 11:15	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-20A	SB-04-10-070814	07/08/2014 11:25	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-21A	SB-10-10-070814A	07/08/2014 08:25	07/09/2014	Soil	PMoist	/			Y		B3
N1176-21A	SB-10-10-070814A	07/08/2014 08:25	07/09/2014	Soil	SW6010_S	/			Y		B3
N1176-21A	SB-10-10-070814A	07/08/2014 08:25	07/09/2014	Soil	SW8270_S	/			Y	Y	B3
N1176-21A	SB-10-10-070814A	07/08/2014 08:25	07/09/2014	Soil	SW9012_S	/			Y		B3
N1176-22A	SB-11-10-070814A	07/08/2014 08:40	07/09/2014	Soil	PMoist	/					B3
N1176-22A	SB-11-10-070814A	07/08/2014 08:40	07/09/2014	Soil	SW6010_S	/					B3
N1176-22A	SB-11-10-070814A	07/08/2014 08:40	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-22A	SB-11-10-070814A	07/08/2014 08:40	07/09/2014	Soil	SW9012_S	/					B3
N1176-23A	FD-02-070814A	07/08/2014 08:40	07/09/2014	Soil	PMoist	/					B3
N1176-23A	FD-02-070814A	07/08/2014 08:40	07/09/2014	Soil	SW6010_S	/					B3
N1176-23A	FD-02-070814A	07/08/2014 08:40	07/09/2014	Soil	SW8270_S	/				Y	B3
N1176-23A	FD-02-070814A	07/08/2014 08:40	07/09/2014	Soil	SW9012_S	/					B3
N1176-24A	SB-05-10-070814	07/08/2014 11:45	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-25A	SB-06-10-070814	07/08/2014 12:45	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-26A	FD-01-070814	07/08/2014 12:45	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-27A	RB-01-070814	07/08/2014 13:00	07/09/2014	Aqueous	SW8270_W	ONE LITER ONLY /				Y	B3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1176

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: Fax date added.

Case:
SDG:
PO: NEEDS PO

HC Due: 07/21/14
Fax Due: 07/16/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1176-27B	RB-01-070814	07/08/2014 13:00	07/09/2014	Aqueous	SM3500_CR+	/					B3
N1176-27C	RB-01-070814	07/08/2014 13:00	07/09/2014	Aqueous	SW9012_W	/					B3
N1176-27D	RB-01-070814	07/08/2014 13:00	07/09/2014	Aqueous	SW6010_W	/					M4
N1176-28A	SB-07-03-070814	07/08/2014 13:05	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-29A	SB-07-10-070814	07/08/2014 13:10	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-30A	SB-08-04-070814	07/08/2014 13:40	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-31A	SB-09-04-070814B	07/08/2014 13:50	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-32A	SB-11-10-070814B	07/08/2014 14:05	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-33A	FD-02-070814B	07/08/2014 14:05	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1176-34A	SB-10-10-070814B	07/08/2014 14:20	07/09/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix			Y		SUB

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

 Lab Client Rep: Agnes R Huntley

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1176

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C
Soil Samples were prepared following procedures in laboratory test code: SW3550B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S6
Instrument Type: GCMS-Semi
Description: HP7890A
Manufacturer: Agilent
Model: 7890A/5973
GC Column used: 30 m X 0.25 mm ID [0.25 um thickness] Rxi-5sil MS capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits.

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on samples: SB-10-10-070814A (N1176-21AMS) and SB-10-10-070814A (N1176-21AMSD).

Percent recoveries were within the QC limits.

Replicate RPDs were within the advisory QC limits.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

The following samples were analyzed at dilution:

SB-11-10-070814A (N1176-22ADL) : Dilution Factor: 10

FD-02-070814A (N1176-23ADL) : Dilution Factor: 2

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

Manual integrations were performed on the following:

SB-01-10-070714 (N1176-01A) Benzo(k)fluoranthene due to M6

SB-04-10-070714 (N1176-04A) Dibenzo(a,h)anthracene due to M6

SB-07-10-070714 (N1176-09A) Dibenzo(a,h)anthracene , Indeno(1,2,3-cd)pyrene due to M6

SB-08-04-070714 (N1176-10A) Dibenzo(a,h)anthracene due to M6

SB-09-04-070814A (N1176-11A) Dibenzo(a,h)anthracene due to M6

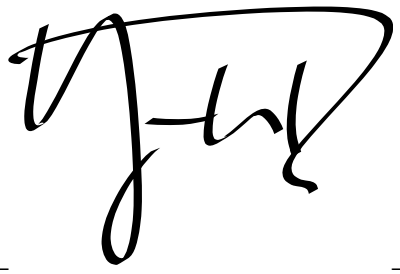
SB-12-10-070814 (N1176-12A) Dibenzo(a,h)anthracene due to M6

SB-13-08-070814 (N1176-13A) Dibenzo(a,h)anthracene due to M6

FD-02-070814A (N1176-23ADL) Dibenzo(a,h)anthracene due to M6

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and

for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____7/21/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-01-10-070714

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-01A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8533.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	220	J
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	76	J
218-01-9	Chrysene	120	J
205-99-2	Benzo(b)fluoranthene	95	J
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-02-10-070714

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-02A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8534.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	J
129-00-0	Pyrene	530	
56-55-3	Benzo(a)anthracene	380	J
218-01-9	Chrysene	580	
205-99-2	Benzo(b)fluoranthene	950	
207-08-9	Benzo(k)fluoranthene	290	J
50-32-8	Benzo(a)pyrene	540	
193-39-5	Indeno(1,2,3-cd)pyrene	430	
53-70-3	Dibenzo(a,h)anthracene	110	J
191-24-2	Benzo(g,h,i)perylene	460	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-03-10-070714

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-03A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8535.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	200	J
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	330	J
129-00-0	Pyrene	450	
56-55-3	Benzo(a)anthracene	360	J
218-01-9	Chrysene	440	
205-99-2	Benzo(b)fluoranthene	720	
207-08-9	Benzo(k)fluoranthene	310	J
50-32-8	Benzo(a)pyrene	560	
193-39-5	Indeno(1,2,3-cd)pyrene	560	
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	580	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-04-10-070714

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-04A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8536.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	95	J
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	140	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	440	
120-12-7	Anthracene	110	J
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	1600	
56-55-3	Benzo(a)anthracene	1300	
218-01-9	Chrysene	1700	
205-99-2	Benzo(b)fluoranthene	2900	
207-08-9	Benzo(k)fluoranthene	1100	
50-32-8	Benzo(a)pyrene	2100	
193-39-5	Indeno(1,2,3-cd)pyrene	2100	
53-70-3	Dibenzo(a,h)anthracene	430	
191-24-2	Benzo(g,h,i)perylene	2200	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-05-10-070714

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-05A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8537.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	120	J
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	250	J
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	420	
129-00-0	Pyrene	510	
56-55-3	Benzo(a)anthracene	270	J
218-01-9	Chrysene	350	J
205-99-2	Benzo(b)fluoranthene	530	
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	410	J
193-39-5	Indeno(1,2,3-cd)pyrene	420	
53-70-3	Dibenzo(a,h)anthracene	87	J
191-24-2	Benzo(g,h,i)perylene	430	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-06-10-070714

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-06A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S6B8538.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	3800	
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	300	J
86-73-7	Fluorene	160	J
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	560	
120-12-7	Anthracene	130	J
206-44-0	Fluoranthene	630	
129-00-0	Pyrene	710	
56-55-3	Benzo(a)anthracene	260	J
218-01-9	Chrysene	410	J
205-99-2	Benzo(b)fluoranthene	400	J
207-08-9	Benzo(k)fluoranthene	130	J
50-32-8	Benzo(a)pyrene	260	J
193-39-5	Indeno(1,2,3-cd)pyrene	200	J
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	240	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD-01-070714

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-07A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8539.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	150	J
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	99	J
86-73-7	Fluorene	86	J
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	420	
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	560	
129-00-0	Pyrene	690	
56-55-3	Benzo(a)anthracene	300	J
218-01-9	Chrysene	470	
205-99-2	Benzo(b)fluoranthene	610	
207-08-9	Benzo(k)fluoranthene	220	J
50-32-8	Benzo(a)pyrene	450	
193-39-5	Indeno(1,2,3-cd)pyrene	410	J
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	460	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-07-03-070714

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-08A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8540.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 4.4 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
95-48-7	2-Methylphenol	340	U
106-44-5	4-Methylphenol	340	U
91-20-3	Naphthalene	340	U
208-96-8	Acenaphthylene	340	U
83-32-9	Acenaphthene	340	U
86-73-7	Fluorene	340	U
87-86-5	Pentachlorophenol	690	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-07-10-070714

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-09A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8541.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 28 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
95-48-7	2-Methylphenol	450	U
106-44-5	4-Methylphenol	450	U
91-20-3	Naphthalene	670	
208-96-8	Acenaphthylene	450	U
83-32-9	Acenaphthene	180	J
86-73-7	Fluorene	480	
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	2200	
120-12-7	Anthracene	500	
206-44-0	Fluoranthene	1900	
129-00-0	Pyrene	1900	
56-55-3	Benzo(a)anthracene	930	
218-01-9	Chrysene	980	
205-99-2	Benzo(b)fluoranthene	980	
207-08-9	Benzo(k)fluoranthene	420	J
50-32-8	Benzo(a)pyrene	780	
193-39-5	Indeno(1,2,3-cd)pyrene	510	
53-70-3	Dibenzo(a,h)anthracene	110	J
191-24-2	Benzo(g,h,i)perylene	460	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-08-04-070714

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-10A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8542.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	110	J
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	120	J
86-73-7	Fluorene	380	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	440	
120-12-7	Anthracene	110	J
206-44-0	Fluoranthene	880	
129-00-0	Pyrene	980	
56-55-3	Benzo(a)anthracene	630	
218-01-9	Chrysene	870	
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	540	
50-32-8	Benzo(a)pyrene	1000	
193-39-5	Indeno(1,2,3-cd)pyrene	980	
53-70-3	Dibenzo(a,h)anthracene	180	J
191-24-2	Benzo(g,h,i)perylene	940	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-09-04-070814A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-11A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8543.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	92	J
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	150	J
86-73-7	Fluorene	83	J
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	760	
120-12-7	Anthracene	200	J
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1600	
56-55-3	Benzo(a)anthracene	870	
218-01-9	Chrysene	1000	
205-99-2	Benzo(b)fluoranthene	1500	
207-08-9	Benzo(k)fluoranthene	500	
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	990	
53-70-3	Dibenzo(a,h)anthracene	190	J
191-24-2	Benzo(g,h,i)perylene	950	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-12-10-070814

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-12A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8544.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	140	J
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	290	J
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	570	
129-00-0	Pyrene	700	
56-55-3	Benzo(a)anthracene	500	
218-01-9	Chrysene	660	
205-99-2	Benzo(b)fluoranthene	1000	
207-08-9	Benzo(k)fluoranthene	440	
50-32-8	Benzo(a)pyrene	850	
193-39-5	Indeno(1,2,3-cd)pyrene	740	
53-70-3	Dibenzo(a,h)anthracene	150	J
191-24-2	Benzo(g,h,i)perylene	720	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-13-08-070814

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-13A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8545.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	180	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	520	
120-12-7	Anthracene	150	J
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	1200	
56-55-3	Benzo(a)anthracene	970	
218-01-9	Chrysene	1200	
205-99-2	Benzo(b)fluoranthene	1900	
207-08-9	Benzo(k)fluoranthene	760	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenzo(a,h)anthracene	250	J
191-24-2	Benzo(g,h,i)perylene	1200	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-14-10-070814

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-14A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S6B8546.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	120	J
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	310	J
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	610	
129-00-0	Pyrene	850	
56-55-3	Benzo(a)anthracene	560	
218-01-9	Chrysene	730	
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	430	
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	1000	
53-70-3	Dibenzo(a,h)anthracene	210	J
191-24-2	Benzo(g,h,i)perylene	1000	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-15-08-070814

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-15A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8547.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	230	J
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	1900	
129-00-0	Pyrene	2600	
56-55-3	Benzo(a)anthracene	2400	
218-01-9	Chrysene	3200	
205-99-2	Benzo(b)fluoranthene	5400	
207-08-9	Benzo(k)fluoranthene	2100	
50-32-8	Benzo(a)pyrene	4200	
193-39-5	Indeno(1,2,3-cd)pyrene	3700	
53-70-3	Dibenzo(a,h)anthracene	890	
191-24-2	Benzo(g,h,i)perylene	3700	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-16-10-070814

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-16A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8590.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	79	J
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
86-73-7	Fluorene	180	J
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	780	
120-12-7	Anthracene	120	J
206-44-0	Fluoranthene	770	
129-00-0	Pyrene	580	
56-55-3	Benzo(a)anthracene	260	J
218-01-9	Chrysene	390	
205-99-2	Benzo(b)fluoranthene	430	
207-08-9	Benzo(k)fluoranthene	140	J
50-32-8	Benzo(a)pyrene	260	J
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	170	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-10-10-070814A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-21A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8591.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 28 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
95-48-7	2-Methylphenol	450	U
106-44-5	4-Methylphenol	450	U
91-20-3	Naphthalene	450	U
208-96-8	Acenaphthylene	450	U
83-32-9	Acenaphthene	92	J
86-73-7	Fluorene	450	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	500	
120-12-7	Anthracene	120	J
206-44-0	Fluoranthene	780	
129-00-0	Pyrene	830	
56-55-3	Benzo(a)anthracene	420	J
218-01-9	Chrysene	580	
205-99-2	Benzo(b)fluoranthene	880	
207-08-9	Benzo(k)fluoranthene	310	J
50-32-8	Benzo(a)pyrene	570	
193-39-5	Indeno(1,2,3-cd)pyrene	470	
53-70-3	Dibenzo(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	480	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-11-10-070814A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-22A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8594.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	150	J
91-20-3	Naphthalene	1400	
208-96-8	Acenaphthylene	1400	
83-32-9	Acenaphthene	4700	
86-73-7	Fluorene	7000	E
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	30000	E
120-12-7	Anthracene	13000	E
206-44-0	Fluoranthene	34000	E
129-00-0	Pyrene	24000	E
56-55-3	Benzo(a)anthracene	18000	E
218-01-9	Chrysene	16000	E
205-99-2	Benzo(b)fluoranthene	18000	E
207-08-9	Benzo(k)fluoranthene	6700	
50-32-8	Benzo(a)pyrene	14000	E
193-39-5	Indeno(1,2,3-cd)pyrene	8300	E
53-70-3	Dibenzo(a,h)anthracene	2000	
191-24-2	Benzo(g,h,i)perylene	7100	E

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-11-10-070814A DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-22ADL

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8596.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4200	U
95-48-7	2-Methylphenol	4200	U
106-44-5	4-Methylphenol	4200	U
91-20-3	Naphthalene	1300	DJ
208-96-8	Acenaphthylene	1500	DJ
83-32-9	Acenaphthene	4400	D
86-73-7	Fluorene	6100	D
87-86-5	Pentachlorophenol	8500	U
85-01-8	Phenanthrene	37000	D
120-12-7	Anthracene	13000	D
206-44-0	Fluoranthene	44000	D
129-00-0	Pyrene	28000	D
56-55-3	Benzo(a)anthracene	17000	D
218-01-9	Chrysene	16000	D
205-99-2	Benzo(b)fluoranthene	15000	D
207-08-9	Benzo(k)fluoranthene	6000	D
50-32-8	Benzo(a)pyrene	12000	D
193-39-5	Indeno(1,2,3-cd)pyrene	6400	D
53-70-3	Dibenzo(a,h)anthracene	1500	DJ
191-24-2	Benzo(g,h,i)perylene	5600	D

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD-02-070814A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-23A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S6B8595.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 11 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	700	
208-96-8	Acenaphthylene	160	J
83-32-9	Acenaphthene	710	
86-73-7	Fluorene	890	
87-86-5	Pentachlorophenol	730	U
85-01-8	Phenanthrene	5900	E
120-12-7	Anthracene	1700	
206-44-0	Fluoranthene	7000	E
129-00-0	Pyrene	4800	
56-55-3	Benzo(a)anthracene	2900	
218-01-9	Chrysene	2900	
205-99-2	Benzo(b)fluoranthene	3300	
207-08-9	Benzo(k)fluoranthene	1300	
50-32-8	Benzo(a)pyrene	2500	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
53-70-3	Dibenzo(a,h)anthracene	370	
191-24-2	Benzo(g,h,i)perylene	1400	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD-02-070814ADL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-23ADL

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S6B8597.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 11 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	720	U
95-48-7	2-Methylphenol	720	U
106-44-5	4-Methylphenol	720	U
91-20-3	Naphthalene	620	DJ
208-96-8	Acenaphthylene	720	U
83-32-9	Acenaphthene	710	DJ
86-73-7	Fluorene	840	D
87-86-5	Pentachlorophenol	1500	U
85-01-8	Phenanthrene	5600	D
120-12-7	Anthracene	1600	D
206-44-0	Fluoranthene	6700	D
129-00-0	Pyrene	4600	D
56-55-3	Benzo(a)anthracene	2700	D
218-01-9	Chrysene	2800	D
205-99-2	Benzo(b)fluoranthene	3000	D
207-08-9	Benzo(k)fluoranthene	1300	D
50-32-8	Benzo(a)pyrene	2400	D
193-39-5	Indeno(1,2,3-cd)pyrene	1400	D
53-70-3	Dibenzo(a,h)anthracene	320	DJ
191-24-2	Benzo(g,h,i)perylene	1200	D

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-01-070814

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1176-27A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8525.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/14/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78046

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-78046

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8524A.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78060

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-78060

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8521.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/14/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78046

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-78046

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8524B.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2600	
95-48-7	2-Methylphenol	2500	
106-44-5	4-Methylphenol	2400	
91-20-3	Naphthalene	2700	
208-96-8	Acenaphthylene	2500	
83-32-9	Acenaphthene	2500	
86-73-7	Fluorene	2500	
87-86-5	Pentachlorophenol	2500	
85-01-8	Phenanthrene	2500	
120-12-7	Anthracene	2500	
206-44-0	Fluoranthene	2500	
129-00-0	Pyrene	3000	
56-55-3	Benzo(a)anthracene	2700	
218-01-9	Chrysene	2600	
205-99-2	Benzo(b)fluoranthene	2900	
207-08-9	Benzo(k)fluoranthene	2900	
50-32-8	Benzo(a)pyrene	2700	
193-39-5	Indeno(1,2,3-cd)pyrene	2500	
53-70-3	Dibenzo(a,h)anthracene	2500	
191-24-2	Benzo(g,h,i)perylene	2500	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78060

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-78060

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8522.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/14/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	34	
95-48-7	2-Methylphenol	35	
106-44-5	4-Methylphenol	34	
91-20-3	Naphthalene	36	
208-96-8	Acenaphthylene	34	
83-32-9	Acenaphthene	34	
86-73-7	Fluorene	35	
87-86-5	Pentachlorophenol	35	
85-01-8	Phenanthrene	34	
120-12-7	Anthracene	34	
206-44-0	Fluoranthene	37	
129-00-0	Pyrene	34	
56-55-3	Benzo(a)anthracene	36	
218-01-9	Chrysene	35	
205-99-2	Benzo(b)fluoranthene	37	
207-08-9	Benzo(k)fluoranthene	36	
50-32-8	Benzo(a)pyrene	36	
193-39-5	Indeno(1,2,3-cd)pyrene	32	
53-70-3	Dibenzo(a,h)anthracene	33	
191-24-2	Benzo(g,h,i)perylene	31	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-10-10-070814A MS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-21AMS

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8592.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 28 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3400	
95-48-7	2-Methylphenol	3300	
106-44-5	4-Methylphenol	3300	
91-20-3	Naphthalene	3600	
208-96-8	Acenaphthylene	3600	
83-32-9	Acenaphthene	3500	
86-73-7	Fluorene	3600	
87-86-5	Pentachlorophenol	3100	
85-01-8	Phenanthrene	4000	
120-12-7	Anthracene	3600	
206-44-0	Fluoranthene	4100	
129-00-0	Pyrene	4400	
56-55-3	Benzo(a)anthracene	4000	
218-01-9	Chrysene	4000	
205-99-2	Benzo(b)fluoranthene	4300	
207-08-9	Benzo(k)fluoranthene	3900	
50-32-8	Benzo(a)pyrene	3800	
193-39-5	Indeno(1,2,3-cd)pyrene	3800	
53-70-3	Dibenzo(a,h)anthracene	3500	
191-24-2	Benzo(g,h,i)perylene	3800	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-10-10-070814A MSD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1176-21AMSD

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8593.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 28 Decanted: (Y/N) N Date Received: 07/09/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/11/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3400	
95-48-7	2-Methylphenol	3300	
106-44-5	4-Methylphenol	3300	
91-20-3	Naphthalene	3300	
208-96-8	Acenaphthylene	3300	
83-32-9	Acenaphthene	3300	
86-73-7	Fluorene	3600	
87-86-5	Pentachlorophenol	3000	
85-01-8	Phenanthrene	3900	
120-12-7	Anthracene	3600	
206-44-0	Fluoranthene	4600	
129-00-0	Pyrene	3400	
56-55-3	Benzo(a)anthracene	3900	
218-01-9	Chrysene	4000	
205-99-2	Benzo(b)fluoranthene	4100	
207-08-9	Benzo(k)fluoranthene	3800	
50-32-8	Benzo(a)pyrene	3900	
193-39-5	Indeno(1,2,3-cd)pyrene	3300	
53-70-3	Dibenzo(a,h)anthracene	3100	
191-24-2	Benzo(g,h,i)perylene	3100	

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78060	72	66	72	63	59	69			0
02	LCS-78060	73	66	72	65	61	70			0
03	RB-01-070814	97	86	84	15	22	78			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(40-110)
SDMC2	(FBP) = 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH) = Terphenyl-d14	(50-135)
SDMC4	(PHL) = Phenol-d5	(10-115)
SDMC5	(2FP) = 2-Fluorophenol	(20-110)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78046	84	79	91	75	75	79			0
02	LCS-78046	81	78	94	72	74	82			0
03	SB-01-10-070714	77	72	70	68	69	77			0
04	SB-02-10-070714	79	73	98	71	73	71			0
05	SB-03-10-070714	78	74	99	67	69	72			0
06	SB-04-10-070714	79	78	94	67	69	73			0
07	SB-05-10-070714	76	73	94	69	71	72			0
08	SB-06-10-070714	79	77	86	68	70	71			0
09	FD-01-070714	73	73	81	64	64	69			0
10	SB-07-03-070714	60	58	74	53	50	37			0
11	SB-07-10-070714	68	68	83	60	59	57			0
12	SB-08-04-070714	67	66	79	57	58	63			0
13	SB-09-04-070814A	73	70	86	63	63	73			0
14	SB-12-10-070814	68	66	85	61	62	64			0
15	SB-13-08-070814	68	67	76	60	61	69			0
16	SB-14-10-070814	76	74	91	66	66	72			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
17	SB-15-08-070814	65	64	78	56	57	63			0
18	SB-16-10-070814	71	69	64	66	65	60			0
19	SB-10-10-070814A	67	68	83	60	61	64			0
20	SB-10-10-070814AMS	76	77	87	69	67	73			0
21	SB-10-10-070814AMSD	67	67	67	66	66	71			0
22	SB-11-10-070814A	74	70	75	70	69	70			0
23	FD-02-070814A	70	67	65	66	65	64			0
24	SB-11-10-070814ADL	67	62	61	64	55	61			0
25	FD-02-070814ADL	67	63	62	63	63	58			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix Spike - EPA Sample No.: SB-10-10-070814A

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS %REC	#	QC. LIMITS REC.
Phenol	4608.2379	0.0000	3374.8329	73		40-100
2-Methylphenol	4608.2379	0.0000	3345.7071	73		40-105
4-Methylphenol	4608.2379	0.0000	3344.7681	73		40-105
Naphthalene	4608.2379	0.0000	3631.0889	79		40-105
Acenaphthylene	4608.2379	0.0000	3560.4534	77		45-105
Acenaphthene	4608.2379	92.4034	3540.3678	75		45-110
Fluorene	4608.2379	0.0000	3576.7943	78		50-110
Pentachlorophenol	4608.2379	0.0000	3103.7199	67		25-120
Phenanthrene	4608.2379	501.8895	3968.8616	75		50-110
Anthracene	4608.2379	121.4001	3607.0422	76		55-105
Fluoranthene	4608.2379	777.6794	4051.0340	71		55-115
Pyrene	4608.2379	834.6906	4356.2541	76		45-125
Benzo(a)anthracene	4608.2379	423.9764	4003.8270	78		50-110
Chrysene	4608.2379	579.9608	3965.1989	73		55-110
Benzo(b)fluoranthene	4608.2379	880.6037	4315.1459	75		45-115
Benzo(k)fluoranthene	4608.2379	307.2044	3862.7800	77		45-125
Benzo(a)pyrene	4608.2379	569.6748	3845.4340	71		50-110
Indeno(1,2,3-cd)pyrene	4608.2379	469.7363	3771.1256	72		40-120
Dibenzo(a,h)anthracene	4608.2379	0.0000	3537.7692	77		40-125
Benzo(g,h,i)perylene	4608.2379	483.2728	3817.9172	72		40-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	4577.9205	3426.7004	75		2		0-40	40-100
2-Methylphenol	4577.9205	3255.3344	71		2		0-40	40-105
4-Methylphenol	4577.9205	3294.7240	72		1		0-40	40-105
Naphthalene	4577.9205	3331.9584	73		8		0-40	40-105
Acenaphthylene	4577.9205	3329.9936	73		6		0-40	45-105
Acenaphthene	4577.9205	3289.7653	70		7		0-40	45-110
Fluorene	4577.9205	3592.0501	78		1		0-40	50-110
Pentachlorophenol	4577.9205	3002.8440	66		3		0-40	25-120
Phenanthrene	4577.9205	3854.8565	73		3		0-40	50-110
Anthracene	4577.9205	3595.2492	76		0		0-40	55-105
Fluoranthene	4577.9205	4630.8480	84		17		0-40	55-115
Pyrene	4577.9205	3417.1576	56		30		0-40	45-125
Benzo(a)anthracene	4577.9205	3894.1491	76		2		0-40	50-110
Chrysene	4577.9205	3997.5678	75		2		0-40	55-110
Benzo(b)fluoranthene	4577.9205	4137.6385	71		5		0-40	45-115
Benzo(k)fluoranthene	4577.9205	3824.8447	77		0		0-40	45-125
Benzo(a)pyrene	4577.9205	3872.8152	72		1		0-40	50-110
Indeno(1,2,3-cd)pyrene	4577.9205	3289.4332	62		15		0-40	40-120
Dibenzo(a,h)anthracene	4577.9205	3112.1813	68		12		0-40	40-125
Benzo(g,h,i)perylene	4577.9205	3115.9297	58		23		0-40	40-125

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Matrix Spike - EPA Sample No.: SB-10-10-070814A

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78046

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Lab Sample ID: LCS-78046 LCS Lot No.: A0101343

Date Extracted: 07/11/2014 Date Analyzed (1): 07/15/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2610.2098	78		40 - 100
2-Methylphenol	3333.0000	0.0000	2494.2030	75		40 - 105
4-Methylphenol	3333.0000	0.0000	2448.2770	73		40 - 105
Naphthalene	3333.0000	0.0000	2657.0414	80		40 - 105
Acenaphthylene	3333.0000	0.0000	2533.5236	76		45 - 105
Acenaphthene	3333.0000	0.0000	2505.2586	75		45 - 110
Fluorene	3333.0000	0.0000	2517.1505	76		50 - 110
Pentachlorophenol	3333.0000	0.0000	2488.5457	75		25 - 120
Phenanthrene	3333.0000	0.0000	2548.5569	76		50 - 110
Anthracene	3333.0000	0.0000	2522.1396	76		55 - 105
Fluoranthene	3333.0000	0.0000	2488.4777	75		55 - 115
Pyrene	3333.0000	0.0000	3002.3532	90		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2682.9435	80		50 - 110
Chrysene	3333.0000	0.0000	2617.9855	79		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2883.8457	87		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2853.7129	86		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2713.9162	81		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	2522.1479	76		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2494.1258	75		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	2493.9811	75		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78060

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Lab Sample ID: LCS-78060 LCS Lot No.: A0101343

Date Extracted: 07/14/2014 Date Analyzed (1): 07/15/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	34.4927	69		0 - 115
2-Methylphenol	50.0000	0.0000	34.5486	69		40 - 110
4-Methylphenol	50.0000	0.0000	34.4654	69		30 - 110
Naphthalene	50.0000	0.0000	36.0739	72		40 - 100
Acenaphthylene	50.0000	0.0000	34.2783	69		50 - 105
Acenaphthene	50.0000	0.0000	33.8156	68		45 - 110
Fluorene	50.0000	0.0000	35.4568	71		50 - 110
Pentachlorophenol	50.0000	0.0000	34.9250	70		40 - 115
Phenanthrene	50.0000	0.0000	34.1404	68		50 - 115
Anthracene	50.0000	0.0000	34.3667	69		55 - 110
Fluoranthene	50.0000	0.0000	36.7111	73		55 - 115
Pyrene	50.0000	0.0000	34.4754	69		50 - 130
Benzo(a)anthracene	50.0000	0.0000	35.8792	72		55 - 110
Chrysene	50.0000	0.0000	35.1334	70		55 - 110
Benzo(b)fluoranthene	50.0000	0.0000	37.3106	75		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	36.1036	72		45 - 125
Benzo(a)pyrene	50.0000	0.0000	35.7178	71		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	31.6759	63		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	33.1149	66		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	30.6876	61		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78060

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Lab File ID: S6B8521.D Lab Sample ID: MB-78060

Instrument ID: S6 Date Extracted: 07/14/2014

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 07/15/2014

Level: (LOW/MED) LOW Time Analyzed: 16:01

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-78060	LCS-78060	S6B8522.D	07/15/2014
02	RB-01-070814	N1176-27A	S6B8525.D	07/15/2014

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78046

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Lab File ID: S6B8524A.D Lab Sample ID: MB-78046

Instrument ID: S6 Date Extracted: 07/11/2014

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 07/15/2014

Level: (LOW/MED) LOW Time Analyzed: 17:34

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-78046	LCS-78046	S6B8524B.D	07/15/2014
02	SB-01-10-070714	N1176-01A	S6B8533.D	07/15/2014
03	SB-02-10-070714	N1176-02A	S6B8534.D	07/15/2014
04	SB-03-10-070714	N1176-03A	S6B8535.D	07/15/2014
05	SB-04-10-070714	N1176-04A	S6B8536.D	07/15/2014
06	SB-05-10-070714	N1176-05A	S6B8537.D	07/15/2014
07	SB-06-10-070714	N1176-06A	S6B8538.D	07/15/2014
08	FD-01-070714	N1176-07A	S6B8539.D	07/15/2014
09	SB-07-03-070714	N1176-08A	S6B8540.D	07/16/2014
10	SB-07-10-070714	N1176-09A	S6B8541.D	07/16/2014
11	SB-08-04-070714	N1176-10A	S6B8542.D	07/16/2014
12	SB-09-04-070814A	N1176-11A	S6B8543.D	07/16/2014
13	SB-12-10-070814	N1176-12A	S6B8544.D	07/16/2014
14	SB-13-08-070814	N1176-13A	S6B8545.D	07/16/2014
15	SB-14-10-070814	N1176-14A	S6B8546.D	07/16/2014
16	SB-15-08-070814	N1176-15A	S6B8547.D	07/16/2014
17	SB-16-10-070814	N1176-16A	S6B8590.D	07/16/2014

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78046

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

Lab File ID: S6B8524A.D Lab Sample ID: MB-78046

Instrument ID: S6 Date Extracted: 07/11/2014

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 07/15/2014

Level: (LOW/MED) LOW Time Analyzed: 17:34

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

18	SB-10-10-070814A	N1176-21A	S6B8591.D	07/16/2014
19	SB-10-10-070814AMS	N1176-21AMS	S6B8592.D	07/16/2014
20	SB-10-10-070814AMSD	N1176-21AMSD	S6B8593.D	07/16/2014
21	SB-11-10-070814A	N1176-22A	S6B8594.D	07/16/2014
22	FD-02-070814A	N1176-23A	S6B8595.D	07/16/2014
23	SB-11-10-070814ADL	N1176-22ADL	S6B8596.D	07/17/2014
24	FD-02-070814ADL	N1176-23ADL	S6B8597.D	07/17/2014

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256G Date Analyzed: 07/15/2014

Lab File ID (Standard): S6B8520.D Time Analyzed: 15:33

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	384535		5.019		1501011		6.095		966468		7.558	
	UPPER LIMIT	769070		5.519		3002022		6.595		1932936		8.058	
	LOWER LIMIT	192268		4.519		750506		5.595		483234		7.058	
	EPA SAMPLE NO.												
01	MB-78060	429579		5.013		1578930		6.094		1088215		7.557	
02	LCS-78060	411242		5.019		1533578		6.095		1104058		7.558	
03	MB-78046	485939		5.019		1716789		6.095		1150049		7.552	
04	LCS-78046	476935		5.019		1671413		6.094		1100518		7.557	
05	RB-01-070814	342709		5.013		1251983		6.095		875751		7.552	
06	SB-01-10-070714	431305		5.019		1506147		6.095		978202		7.552	
07	SB-02-10-070714	434440		5.019		1563816		6.094		1032279		7.557	
08	SB-03-10-070714	477980		5.019		1659094		6.094		1066594		7.557	
09	SB-04-10-070714	425734		5.019		1471959		6.095		891034		7.558	
10	SB-05-10-070714	447861		5.019		1591850		6.094		1022838		7.557	
11	SB-06-10-070714	466066		5.019		1612981		6.095		974997		7.558	
12	FD-01-070714	448669		5.019		1543220		6.095		958704		7.558	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256G Date Analyzed: 07/15/2014

Lab File ID (Standard): S6B8520.D Time Analyzed: 15:33

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	384535		5.019		1501011		6.095		966468		7.558	
	UPPER LIMIT	769070		5.519		3002022		6.595		1932936		8.058	
	LOWER LIMIT	192268		4.519		750506		5.595		483234		7.058	
	EPA SAMPLE NO.												
13	SB-07-03-070714	416613		5.019		1463620		6.095		960344		7.558	
14	SB-07-10-070714	445919		5.019		1543134		6.095		978228		7.558	
15	SB-08-04-070714	410060		5.019		1429546		6.094		913987		7.557	
16	SB-09-04-070814A	474791		5.019		1643817		6.095		1038408		7.558	
17	SB-12-10-070814	409827		5.019		1451696		6.094		943228		7.557	
18	SB-13-08-070814	324455		5.019		1152296		6.095		770453		7.558	
19	SB-14-10-070814	454598		5.019		1574122		6.094		986036		7.557	
20	SB-15-08-070814	401956		5.019		1370465		6.095		862798		7.558	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

EPA Sample No.(SSTD020##) SSTD0256G Date Analyzed: 07/15/2014

Lab File ID (Standard): S6B8520.D Time Analyzed: 15:33

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	2026431		8.791		2061794		11.224		1588916		13.598	
	UPPER LIMIT	4052862		9.291		4123588		11.724		3177832		14.098	
	LOWER LIMIT	1013216		8.291		1030897		10.724		794458		13.098	
	EPA SAMPLE NO.												
01	MB-78060	2250720		8.791		2414399		11.206		1900772		13.574	
02	LCS-78060	2340366		8.792		2538855		11.189		2115432		13.551	
03	MB-78046	2270118		8.786		2071771		11.171		1418835		13.527	
04	LCS-78046	2124576		8.785		1777567		11.177		1246106		13.527	
05	RB-01-070814	1836104		8.786		1950740		11.171		1507781		13.521	
06	SB-01-10-070714	1910029		8.786		1573945		11.171		1182001		13.521	
07	SB-02-10-070714	1941238		8.785		1432328		11.171		1112203		13.521	
08	SB-03-10-070714	1978799		8.785		1456390		11.171		1223250		13.533	
09	SB-04-10-070714	1601352		8.786		1216828		11.171		1187517		13.539	
10	SB-05-10-070714	1860728		8.791		1472349		11.183		1239730		13.551	
11	SB-06-10-070714	1773716		8.792		1449294		11.201		1481715		13.580	
12	FD-01-070714	1712970		8.791		1412786		11.189		1406459		13.568	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

EPA Sample No.(SSTD020##) SSTD0256G Date Analyzed: 07/15/2014

Lab File ID (Standard): S6B8520.D Time Analyzed: 15:33

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	2026431		8.791		2061794		11.224		1588916		13.598	
	UPPER LIMIT	4052862		9.291		4123588		11.724		3177832		14.098	
	LOWER LIMIT	1013216		8.291		1030897		10.724		794458		13.098	
	EPA SAMPLE NO.												
13	SB-07-03-070714	1824637		8.786		1528855		11.171		1261595		13.527	
14	SB-07-10-070714	1769527		8.792		1280063		11.171		1134204		13.533	
15	SB-08-04-070714	1720697		8.791		1536994		11.183		1400901		13.556	
16	SB-09-04-070814A	1799357		8.792		1358071		11.183		1287493		13.551	
17	SB-12-10-070814	1774906		8.791		1486658		11.177		1297086		13.539	
18	SB-13-08-070814	1589052		8.791		1691290		11.183		1433419		13.557	
19	SB-14-10-070814	1795318		8.791		1370464		11.177		1274240		13.545	
20	SB-15-08-070814	1516079		8.791		1225675		11.177		1250592		13.545	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256H Date Analyzed: 07/16/2014

Lab File ID (Standard): S6B8579.D Time Analyzed: 17:35

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	269524		4.984		1036479		6.065		706236		7.522	
	UPPER LIMIT	539048		5.484		2072958		6.565		1412472		8.022	
	LOWER LIMIT	134762		4.484		518240		5.565		353118		7.022	
	EPA SAMPLE NO.												
01	SB-16-10-070814	265256		4.984		993604		6.059		662146		7.522	
02	SB-10-10-070814A	457320		4.984		1623055		6.059		1034642		7.522	
03	SB-10-10-070814AMS	382780		4.984		1353225		6.065		879791		7.528	
04	SB-10-10-070814AMSD	187009		4.984		719391		6.065		524341		7.522	
05	SB-11-10-070814A	219600		4.984		828367		6.059		603280		7.522	
06	FD-02-070814A	228317		4.984		852794		6.059		626341		7.522	
07	SB-11-10-070814ADL	186946		4.984		707700		6.059		516342		7.522	
08	FD-02-070814ADL	272090		4.984		1051127		6.059		769564		7.522	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1176 Mod. Ref No.: SDG No.: SN1176

EPA Sample No.(SSTD020##) SSTD0256H Date Analyzed: 07/16/2014

Lab File ID (Standard): S6B8579.D Time Analyzed: 17:35

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1583791		8.756		1977677		11.171		1807147		13.515	
	UPPER LIMIT	3167582		9.256		3955354		11.671		3614294		14.015	
	LOWER LIMIT	791896		8.256		988839		10.671		903574		13.015	
	EPA SAMPLE NO.												
01	SB-16-10-070814	1355771		8.756		1834970		11.148		1442735		13.492	
02	SB-10-10-070814A	1945933		8.756		1712797		11.136		1239020		13.474	
03	SB-10-10-070814AMS	1702737		8.756		1619370		11.142		1238831		13.480	
04	SB-10-10-070814AMSD	1132617		8.756		1605280		11.142		1547721		13.492	
05	SB-11-10-070814A	1399573		8.762		1844851		11.165		1419709		13.510	
06	FD-02-070814A	1440057		8.756		1884744		11.148		1634060		13.486	
07	SB-11-10-070814ADL	1165422		8.756		1628215		11.130		1601107		13.468	
08	FD-02-070814ADL	1723099		8.756		2177801		11.142		1887082		13.480	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1176

SW846 6010C, SW846 9012B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 6010C, SW846 9012B

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW9012B
Soil Samples were prepared following procedures in laboratory test code: SW3050B
Soil Samples were prepared following procedures in laboratory test code: SW9012B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: LACHAT1
Instrument Type: WC
Description: Flow Injection Analyzer
Manufacturer: Zellweger Analytics
Model: Quik-Chem 8000

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on samples: SB-06-10-070714 (N1176-06AMS), SB-10-10-070814A (N1176-21AMS) and SB-12-10-070814 (N1176-12AMS).

Percent recoveries were within the QC limits with the following exceptions:

SB-06-10-070714 (N1176-06AMS), recovery is below criteria for Cyanide at 72% with criteria of (75-125).

SB-12-10-070814 (N1176-12AMS), recovery is above criteria for Copper at 161% with criteria of (80-120), Zinc at 157% with criteria

of (80-120), recovery is below criteria for Antimony at 39% with criteria of (80-120), Cadmium at 68% with criteria of (80-120) and Chromium at 73% with criteria of (80-120).

SB-10-10-070814A (N1176-21AMS), recovery is above criteria for Chromium at 322% with criteria of (80-120), recovery is below criteria for Antimony at 50% with criteria of (80-120), Cyanide at 0% with criteria of (75-125), Nickel at 73% with criteria of (80-120), Selenium at 0% with criteria of (80-120) and Thallium at 0% with criteria of (80-120). Thallium and Selenium are negative due to the high levels of Calcium, Iron and Manganese in the native sample.

Laboratory Control Samples were within recovery limits for these elements. Sample matrix is likely to be the reason for outlier recoveries.

D. **Post Digestion Spike (PDS):**

Post-digestion spike analysis was performed on samples: SB-06-10-070714 (N1176-06APDS), SB-10-10-070814A (N1176-21APDS) and SB-12-10-070814 (N1176-12APDS).

SB-06-10-070714 (N1176-06APDS) for Cyanide due to recovery of this element outside of QC limits in the matrix spike. Recovery is below the advisory limits.

SB-10-10-070814A (N1176-21APDS) for Cyanide, Antimony, Chromium, Nickel, Selenium and Thallium due to recoveries of these elements outside of QC limits in the matrix spike. Low recoveries or non-detects of these elements were indicative of matrix issues. Again, Thallium and Selenium are negative due to the high levels of Calcium, Iron and Manganese in the native sample.

SB-12-10-070814 (N1176-12APDS) for Antimony, Cadmium, Chromium, Copper, Thallium and Zinc due to recoveries of these elements outside of QC limits in the matrix spike. PDS recoveries are within advisory limits.

E. **Duplicate sample:**

Duplicate analyses were performed on samples: SB-06-10-070714 (N1176-06ADUP), SB-10-10-070814A (N1176-21ADUP) and SB-12-10-070814 (N1176-12ADUP).

Relative percent differences were within the QC limits with the following exceptions:

SB-06-10-070714 (N1176-06ADUP), Duplicate analysis not within control limit for Cyanide.

SB-12-10-070814 (N1176-12ADUP), Duplicate analysis not within control limit for Aluminum, Arsenic, Barium, Beryllium, Cadmium, Iron, Lead and Potassium.

SB-10-10-070814A (N1176-21ADUP), Duplicate analysis not within control limit for Aluminum, Antimony, Barium, Beryllium, Cadmium, Calcium, Chromium, Cyanide, Iron, Magnesium, Manganese and Nickel.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on samples: SB-10-10-070814A (N1176-21ASD) and SB-12-10-070814 (N1176-12ASD).

Percent differences were within the QC limits with the exception of the following:

SB-12-10-070814 (N1176-12ASD), Serial Dilution analysis not within control limit for Beryllium, Cadmium, Cobalt, Lead, Magnesium, Nickel, Vanadium and Zinc.

SB-10-10-070814A (N1176-21ASD), Serial Dilution analysis not within control limit for Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Lead, Magnesium, Nickel, Vanadium and Zinc.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/21/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET FD-01-070714

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-07

Level (low/med): MED Date Received: 07/09/2014

% Solids: 80.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15100		*	P
7440-36-0	Antimony	2.3		N	P
7440-38-2	Arsenic	10.3		*	P
7440-39-3	Barium	169		*	P
7440-41-7	Beryllium	3.0		*E	P
7440-43-9	Cadmium	7.9		N*E	P
7440-70-2	Calcium	78900			P
7440-47-3	Chromium	93.7		N	P
7440-48-4	Cobalt	8.0		E	P
7440-50-8	Copper	228		N	P
7439-89-6	Iron	138000		*	P
7439-92-1	Lead	267		*E	P
7439-95-4	Magnesium	13700		E	P
7439-96-5	Manganese	3750			P
7440-02-0	Nickel	76.0		E	P
7440-09-7	Potassium	1480		*	P
7782-49-2	Selenium	0.44	U		P
7440-22-4	Silver	2.5			P
7440-23-5	Sodium	300			P
7440-28-0	Thallium	0.59	B		P
7440-62-2	Vanadium	15.3		E	P
7440-66-6	Zinc	545		NE	P
57-12-5	Cyanide	0.54	U	N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FD-02-070814A

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-23

Level (low/med): MED Date Received: 07/09/2014

% Solids: 88.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7830		*	P
7440-36-0	Antimony	0.36	U	N*	P
7440-38-2	Arsenic	8.3		E	P
7440-39-3	Barium	226		*E	P
7440-41-7	Beryllium	0.50		*E	P
7440-43-9	Cadmium	2.8		*E	P
7440-70-2	Calcium	59700		*	P
7440-47-3	Chromium	46.9		N*E	P
7440-48-4	Cobalt	5.3		E	P
7440-50-8	Copper	88.1			P
7439-89-6	Iron	58300		*	P
7439-92-1	Lead	247		E	P
7439-95-4	Magnesium	8210		*E	P
7439-96-5	Manganese	1060		*	P
7440-02-0	Nickel	20.0		N*E	P
7440-09-7	Potassium	1260			P
7782-49-2	Selenium	0.61	U	N	P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	551			P
7440-28-0	Thallium	0.21	U	N	P
7440-62-2	Vanadium	18.0		E	P
7440-66-6	Zinc	340		E	P
57-12-5	Cyanide	0.48	U	N*	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET RB-01-070814

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): WATER Lab Sample ID: N1176-27

Level (low/med): MED Date Received: 07/09/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	1.1	U		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	110	U		P
7440-47-3	Chromium	0.68	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	65.7	B		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	76.0	U		P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	29.0	U		P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	7.5	U		CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-01-10-070714

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-01

Level (low/med): MED Date Received: 07/09/2014

% Solids: 80.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6620		*	P
7440-36-0	Antimony	0.36	U	N	P
7440-38-2	Arsenic	2.8		*	P
7440-39-3	Barium	29.0		*	P
7440-41-7	Beryllium	0.031	B	*E	P
7440-43-9	Cadmium	0.61		N*E	P
7440-70-2	Calcium	20000			P
7440-47-3	Chromium	13.0		N	P
7440-48-4	Cobalt	1.9	B	E	P
7440-50-8	Copper	7.8		N	P
7439-89-6	Iron	19300		*	P
7439-92-1	Lead	4.4		*E	P
7439-95-4	Magnesium	1860		E	P
7439-96-5	Manganese	682			P
7440-02-0	Nickel	11.0		E	P
7440-09-7	Potassium	291		*	P
7782-49-2	Selenium	1.2	B		P
7440-22-4	Silver	0.54	B		P
7440-23-5	Sodium	118			P
7440-28-0	Thallium	0.45	B		P
7440-62-2	Vanadium	6.9		E	P
7440-66-6	Zinc	4.9		NE	P
57-12-5	Cyanide	0.51	U	N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-02-10-070714

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-02

Level (low/med): MED Date Received: 07/09/2014

% Solids: 84.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7480		*	P
7440-36-0	Antimony	0.33	U	N	P
7440-38-2	Arsenic	2.7		*	P
7440-39-3	Barium	21.0		*	P
7440-41-7	Beryllium	0.17	B	*E	P
7440-43-9	Cadmium	0.31		N*E	P
7440-70-2	Calcium	10800			P
7440-47-3	Chromium	8.2		N	P
7440-48-4	Cobalt	1.6	B	E	P
7440-50-8	Copper	3.7		N	P
7439-89-6	Iron	9660		*	P
7439-92-1	Lead	9.1		*E	P
7439-95-4	Magnesium	1510		E	P
7439-96-5	Manganese	244			P
7440-02-0	Nickel	6.7		E	P
7440-09-7	Potassium	832		*	P
7782-49-2	Selenium	0.80	B		P
7440-22-4	Silver	0.23	B		P
7440-23-5	Sodium	193			P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	7.5		E	P
7440-66-6	Zinc	11.8		NE	P
57-12-5	Cyanide	0.49	U	N*	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-03-10-070714

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-03

Level (low/med): MED Date Received: 07/09/2014

% Solids: 81.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17600		*	P
7440-36-0	Antimony	2.0		N	P
7440-38-2	Arsenic	8.3		*	P
7440-39-3	Barium	130		*	P
7440-41-7	Beryllium	3.6		*E	P
7440-43-9	Cadmium	3.3		N*E	P
7440-70-2	Calcium	129000			P
7440-47-3	Chromium	42.6		N	P
7440-48-4	Cobalt	4.8		E	P
7440-50-8	Copper	42.5		N	P
7439-89-6	Iron	71100		*	P
7439-92-1	Lead	86.5		*E	P
7439-95-4	Magnesium	31800		E	P
7439-96-5	Manganese	3740			P
7440-02-0	Nickel	18.6		E	P
7440-09-7	Potassium	1560		*	P
7782-49-2	Selenium	0.77	B		P
7440-22-4	Silver	1.8			P
7440-23-5	Sodium	611			P
7440-28-0	Thallium	0.56	B		P
7440-62-2	Vanadium	25.0		E	P
7440-66-6	Zinc	214		NE	P
57-12-5	Cyanide	1.4		N*	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-04-10-070714

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-04

Level (low/med): MED Date Received: 07/09/2014

% Solids: 84.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13300		*	P
7440-36-0	Antimony	2.0		N	P
7440-38-2	Arsenic	21.9		*	P
7440-39-3	Barium	103		*	P
7440-41-7	Beryllium	2.1		*E	P
7440-43-9	Cadmium	10.7		N*E	P
7440-70-2	Calcium	72300			P
7440-47-3	Chromium	63.6		N	P
7440-48-4	Cobalt	12.1		E	P
7440-50-8	Copper	73.9		N	P
7439-89-6	Iron	190000		*	P
7439-92-1	Lead	113		*E	P
7439-95-4	Magnesium	15100		E	P
7439-96-5	Manganese	3840			P
7440-02-0	Nickel	37.2		E	P
7440-09-7	Potassium	1790		*	P
7782-49-2	Selenium	0.50	U		P
7440-22-4	Silver	2.5			P
7440-23-5	Sodium	695			P
7440-28-0	Thallium	0.17	U		P
7440-62-2	Vanadium	26.7		E	P
7440-66-6	Zinc	434		NE	P
57-12-5	Cyanide	0.51	U	N*	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-05-10-070714

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-05

Level (low/med): MED Date Received: 07/09/2014

% Solids: 78.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17700		*	P
7440-36-0	Antimony	1.2		N	P
7440-38-2	Arsenic	3.4		*	P
7440-39-3	Barium	146		*	P
7440-41-7	Beryllium	3.8		*E	P
7440-43-9	Cadmium	2.4		N*E	P
7440-70-2	Calcium	115000			P
7440-47-3	Chromium	8.1		N	P
7440-48-4	Cobalt	1.9	B	E	P
7440-50-8	Copper	8.4		N	P
7439-89-6	Iron	67400		*	P
7439-92-1	Lead	12.1		*E	P
7439-95-4	Magnesium	23400		E	P
7439-96-5	Manganese	3890			P
7440-02-0	Nickel	3.7		E	P
7440-09-7	Potassium	2130		*	P
7782-49-2	Selenium	0.64	U		P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	663			P
7440-28-0	Thallium	0.46	B		P
7440-62-2	Vanadium	8.8		E	P
7440-66-6	Zinc	42.2		NE	P
57-12-5	Cyanide	0.57	U	N*	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-06-10-070714

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-06

Level (low/med): MED Date Received: 07/09/2014

% Solids: 77.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8540		*	P
7440-36-0	Antimony	2.2		N	P
7440-38-2	Arsenic	11.5		*	P
7440-39-3	Barium	93.7		*	P
7440-41-7	Beryllium	1.2		*E	P
7440-43-9	Cadmium	14.9		N*E	P
7440-70-2	Calcium	38900			P
7440-47-3	Chromium	197		N	P
7440-48-4	Cobalt	12.3		E	P
7440-50-8	Copper	378		N	P
7439-89-6	Iron	240000		*	P
7439-92-1	Lead	550		*E	P
7439-95-4	Magnesium	8120		E	P
7439-96-5	Manganese	4740			P
7440-02-0	Nickel	115		E	P
7440-09-7	Potassium	2250		*	P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	3.6			P
7440-23-5	Sodium	289			P
7440-28-0	Thallium	0.18	U		P
7440-62-2	Vanadium	25.3		E	P
7440-66-6	Zinc	918		NE	P
57-12-5	Cyanide	2.9		N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-07-03-070714

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-08

Level (low/med): MED Date Received: 07/09/2014

% Solids: 95.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	30800		*	P
7440-36-0	Antimony	1.9		N	P
7440-38-2	Arsenic	3.3		*	P
7440-39-3	Barium	312		*	P
7440-41-7	Beryllium	6.5		*E	P
7440-43-9	Cadmium	0.50		N*E	P
7440-70-2	Calcium	187000			P
7440-47-3	Chromium	2.1		N	P
7440-48-4	Cobalt	0.32	B	E	P
7440-50-8	Copper	0.99	B	N	P
7439-89-6	Iron	14400		*	P
7439-92-1	Lead	1.9		*E	P
7439-95-4	Magnesium	16100		E	P
7439-96-5	Manganese	3420			P
7440-02-0	Nickel	0.44	B	E	P
7440-09-7	Potassium	2050		*	P
7782-49-2	Selenium	3.1			P
7440-22-4	Silver	0.49	B		P
7440-23-5	Sodium	1220			P
7440-28-0	Thallium	1.3			P
7440-62-2	Vanadium	3.8		E	P
7440-66-6	Zinc	1.4	B	NE	P
57-12-5	Cyanide	2.8		N*	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-07-10-070714

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-09

Level (low/med): MED Date Received: 07/09/2014

% Solids: 72.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24300		*	P
7440-36-0	Antimony	2.2		N	P
7440-38-2	Arsenic	9.9		*	P
7440-39-3	Barium	196		*	P
7440-41-7	Beryllium	4.2		*E	P
7440-43-9	Cadmium	7.9		N*E	P
7440-70-2	Calcium	89500			P
7440-47-3	Chromium	36.2		N	P
7440-48-4	Cobalt	5.5		E	P
7440-50-8	Copper	60.7		N	P
7439-89-6	Iron	130000		*	P
7439-92-1	Lead	649		*E	P
7439-95-4	Magnesium	13300		E	P
7439-96-5	Manganese	7840			P
7440-02-0	Nickel	12.8		E	P
7440-09-7	Potassium	9950		*	P
7782-49-2	Selenium	0.52	U		P
7440-22-4	Silver	9.4			P
7440-23-5	Sodium	810			P
7440-28-0	Thallium	3.2			P
7440-62-2	Vanadium	52.8		E	P
7440-66-6	Zinc	9560		NE	P
57-12-5	Cyanide	0.97	B	N*	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-08-04-070714

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-10

Level (low/med): MED Date Received: 07/09/2014

% Solids: 85.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11200		*	P
7440-36-0	Antimony	2.7		N	P
7440-38-2	Arsenic	9.6		*	P
7440-39-3	Barium	103		*	P
7440-41-7	Beryllium	1.5		*E	P
7440-43-9	Cadmium	8.1		N*E	P
7440-70-2	Calcium	45800			P
7440-47-3	Chromium	79.9		N	P
7440-48-4	Cobalt	7.7		E	P
7440-50-8	Copper	134		N	P
7439-89-6	Iron	140000		*	P
7439-92-1	Lead	309		*E	P
7439-95-4	Magnesium	10700		E	P
7439-96-5	Manganese	3690			P
7440-02-0	Nickel	37.8		E	P
7440-09-7	Potassium	2590		*	P
7782-49-2	Selenium	0.56	U		P
7440-22-4	Silver	3.1			P
7440-23-5	Sodium	409			P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	22.7		E	P
7440-66-6	Zinc	704		NE	P
57-12-5	Cyanide	0.43	U	N*	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-09-04-070814A

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-11

Level (low/med): MED Date Received: 07/09/2014

% Solids: 84.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9060		*	P
7440-36-0	Antimony	5.1		N	P
7440-38-2	Arsenic	66.0		*	P
7440-39-3	Barium	112		*	P
7440-41-7	Beryllium	1.7		*E	P
7440-43-9	Cadmium	11.2		N*E	P
7440-70-2	Calcium	45000			P
7440-47-3	Chromium	193		N	P
7440-48-4	Cobalt	24.2		E	P
7440-50-8	Copper	237		N	P
7439-89-6	Iron	181000		*	P
7439-92-1	Lead	419		*E	P
7439-95-4	Magnesium	9150		E	P
7439-96-5	Manganese	19800			P
7440-02-0	Nickel	70.2		E	P
7440-09-7	Potassium	2120		*	P
7782-49-2	Selenium	0.50	U		P
7440-22-4	Silver	6.1			P
7440-23-5	Sodium	255			P
7440-28-0	Thallium	0.17	U		P
7440-62-2	Vanadium	45.9		E	P
7440-66-6	Zinc	980		NE	P
57-12-5	Cyanide	8.2		N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-10-10-070814A

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-21

Level (low/med): MED Date Received: 07/09/2014

% Solids: 71.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5170		*	P
7440-36-0	Antimony	1.8		N*	P
7440-38-2	Arsenic	12.4		E	P
7440-39-3	Barium	79.4		*E	P
7440-41-7	Beryllium	0.88		*E	P
7440-43-9	Cadmium	18.8		*E	P
7440-70-2	Calcium	32500		*	P
7440-47-3	Chromium	183		N*E	P
7440-48-4	Cobalt	16.5		E	P
7440-50-8	Copper	495			P
7439-89-6	Iron	330000		*	P
7439-92-1	Lead	660		E	P
7439-95-4	Magnesium	6470		*E	P
7439-96-5	Manganese	5340		*	P
7440-02-0	Nickel	145		N*E	P
7440-09-7	Potassium	1220			P
7782-49-2	Selenium	0.58	U	N	P
7440-22-4	Silver	4.0			P
7440-23-5	Sodium	237			P
7440-28-0	Thallium	0.20	U	N	P
7440-62-2	Vanadium	14.2		E	P
7440-66-6	Zinc	918		E	P
57-12-5	Cyanide	5.2		N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-11-10-070814A

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-22

Level (low/med): MED Date Received: 07/09/2014

% Solids: 78.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6520		*	P
7440-36-0	Antimony	0.48	U	N*	P
7440-38-2	Arsenic	4.3		E	P
7440-39-3	Barium	171		*E	P
7440-41-7	Beryllium	0.39		*E	P
7440-43-9	Cadmium	0.57		*E	P
7440-70-2	Calcium	59100		*	P
7440-47-3	Chromium	8.1		N*E	P
7440-48-4	Cobalt	2.6	B	E	P
7440-50-8	Copper	19.5			P
7439-89-6	Iron	10700		*	P
7439-92-1	Lead	146		E	P
7439-95-4	Magnesium	6260		*E	P
7439-96-5	Manganese	239		*	P
7440-02-0	Nickel	7.6		N*E	P
7440-09-7	Potassium	1140			P
7782-49-2	Selenium	0.82	U	N	P
7440-22-4	Silver	0.16	B		P
7440-23-5	Sodium	271			P
7440-28-0	Thallium	1.6		N	P
7440-62-2	Vanadium	9.6		E	P
7440-66-6	Zinc	152		E	P
57-12-5	Cyanide	0.54	U	N*	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-12-10-070814

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-12

Level (low/med): MED Date Received: 07/09/2014

% Solids: 80.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9200		*	P
7440-36-0	Antimony	1.8		N	P
7440-38-2	Arsenic	8.2		*	P
7440-39-3	Barium	90.0		*	P
7440-41-7	Beryllium	1.5		*E	P
7440-43-9	Cadmium	8.7		N*E	P
7440-70-2	Calcium	46200			P
7440-47-3	Chromium	38.1		N	P
7440-48-4	Cobalt	8.2		E	P
7440-50-8	Copper	46.2		N	P
7439-89-6	Iron	174000		*	P
7439-92-1	Lead	174		*E	P
7439-95-4	Magnesium	12300		E	P
7439-96-5	Manganese	5160			P
7440-02-0	Nickel	21.0		E	P
7440-09-7	Potassium	1350		*	P
7782-49-2	Selenium	0.68	U		P
7440-22-4	Silver	3.2			P
7440-23-5	Sodium	576			P
7440-28-0	Thallium	1.3			P
7440-62-2	Vanadium	22.5		E	P
7440-66-6	Zinc	363		NE	P
57-12-5	Cyanide	0.55	U	N*	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-13-08-070814

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-13

Level (low/med): MED Date Received: 07/09/2014

% Solids: 85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10900		*	P
7440-36-0	Antimony	0.26	U	N*	P
7440-38-2	Arsenic	9.9		E	P
7440-39-3	Barium	101		*E	P
7440-41-7	Beryllium	1.8		*E	P
7440-43-9	Cadmium	8.3		*E	P
7440-70-2	Calcium	46800		*	P
7440-47-3	Chromium	34.8		N*E	P
7440-48-4	Cobalt	7.5		E	P
7440-50-8	Copper	68.5			P
7439-89-6	Iron	145000		*	P
7439-92-1	Lead	148		E	P
7439-95-4	Magnesium	9370		*E	P
7439-96-5	Manganese	3770		*	P
7440-02-0	Nickel	20.9		N*E	P
7440-09-7	Potassium	1710			P
7782-49-2	Selenium	0.44	U	N	P
7440-22-4	Silver	2.4			P
7440-23-5	Sodium	322			P
7440-28-0	Thallium	0.15	U	N	P
7440-62-2	Vanadium	17.4		E	P
7440-66-6	Zinc	479		E	P
57-12-5	Cyanide	0.48	U	N*	CA

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-14-10-070814

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-14

Level (low/med): MED Date Received: 07/09/2014

% Solids: 79.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4900		*	P
7440-36-0	Antimony	1.1	B	N*	P
7440-38-2	Arsenic	118		E	P
7440-39-3	Barium	111		*E	P
7440-41-7	Beryllium	0.77		*E	P
7440-43-9	Cadmium	10.7		*E	P
7440-70-2	Calcium	26000		*	P
7440-47-3	Chromium	189		N*E	P
7440-48-4	Cobalt	11.5		E	P
7440-50-8	Copper	198			P
7439-89-6	Iron	216000		*	P
7439-92-1	Lead	561		E	P
7439-95-4	Magnesium	6190		*E	P
7439-96-5	Manganese	13600		*	P
7440-02-0	Nickel	83.5		N*E	P
7440-09-7	Potassium	1440			P
7782-49-2	Selenium	0.76	U	N	P
7440-22-4	Silver	5.1			P
7440-23-5	Sodium	330			P
7440-28-0	Thallium	0.26	U	N	P
7440-62-2	Vanadium	24.3		E	P
7440-66-6	Zinc	531		E	P
57-12-5	Cyanide	0.52	U	N*	CA

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-15-08-070814

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-15

Level (low/med): MED Date Received: 07/09/2014

% Solids: 84.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8110		*	P
7440-36-0	Antimony	0.31	U	N*	P
7440-38-2	Arsenic	7.6		E	P
7440-39-3	Barium	19.2		*E	P
7440-41-7	Beryllium	0.095	B	*E	P
7440-43-9	Cadmium	2.1		*E	P
7440-70-2	Calcium	1810		*	P
7440-47-3	Chromium	10.0		N*E	P
7440-48-4	Cobalt	3.4		E	P
7440-50-8	Copper	5.8			P
7439-89-6	Iron	63300		*	P
7439-92-1	Lead	8.8		E	P
7439-95-4	Magnesium	506		*E	P
7439-96-5	Manganese	636		*	P
7440-02-0	Nickel	5.9		N*E	P
7440-09-7	Potassium	1190			P
7782-49-2	Selenium	0.53	U	N	P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	247			P
7440-28-0	Thallium	0.18	U	N	P
7440-62-2	Vanadium	14.3		E	P
7440-66-6	Zinc	13.3		E	P
57-12-5	Cyanide	0.80	B	N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-16-10-070814

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Lab Sample ID: N1176-16

Level (low/med): MED Date Received: 07/09/2014

% Solids: 84.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5930		*	P
7440-36-0	Antimony	0.39	U	N*	P
7440-38-2	Arsenic	12.8		E	P
7440-39-3	Barium	61.0		*E	P
7440-41-7	Beryllium	0.79		*E	P
7440-43-9	Cadmium	4.7		*E	P
7440-70-2	Calcium	23300		*	P
7440-47-3	Chromium	22.4		N*E	P
7440-48-4	Cobalt	6.0		E	P
7440-50-8	Copper	33.2			P
7439-89-6	Iron	111000		*	P
7439-92-1	Lead	205		E	P
7439-95-4	Magnesium	4850		*E	P
7439-96-5	Manganese	2560		*	P
7440-02-0	Nickel	19.7		N*E	P
7440-09-7	Potassium	1610			P
7782-49-2	Selenium	0.66	U	N	P
7440-22-4	Silver	2.5			P
7440-23-5	Sodium	355			P
7440-28-0	Thallium	0.23	U	N	P
7440-62-2	Vanadium	17.4		E	P
7440-66-6	Zinc	319		E	P
57-12-5	Cyanide	0.50	U	N*	CA

Comments:

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-78021**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	434.6		364	546.0	95.5
Antimony				22.8	22.7		18.2	27.3	99.6
Arsenic				22.8	23.2		18.2	27.3	101.8
Barium				455.0	454.9		364	546.0	100.0
Beryllium				11.4	11.0		9.1	13.6	96.5
Cadmium				11.4	11.4		9.1	13.6	100.0
Calcium				1135.0	1068.9		908	1362.0	94.2
Chromium				45.5	45.1		36.4	54.6	99.1
Cobalt				113.5	111.4		90.8	136.2	98.1
Copper				56.5	55.5		45.2	67.8	98.2
Iron				227.5	233.7		182	273.0	102.7
Lead				22.8	22.9		18.2	27.3	100.4
Magnesium				1135.0	1120.8		908	1362.0	98.7
Manganese				113.5	113.3		90.8	136.2	99.8
Nickel				113.5	111.3		90.8	136.2	98.1
Potassium				1135.0	1153.9		908	1362.0	101.7
Selenium				22.8	21.9		18.2	27.3	96.1
Silver				56.5	55.3		42.4	67.8	97.9
Sodium				1135.0	1156.5		908	1362.0	101.9
Thallium				22.8	21.2		18.2	27.3	93.0
Vanadium				113.5	111.3		90.8	136.2	98.1
Zinc				113.5	110.1		90.8	136.2	97.0

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-78022**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	449.4		364	546.0	98.8
Antimony				22.8	23.1		18.2	27.3	101.3
Arsenic				22.8	23.4		18.2	27.3	102.6
Barium				455.0	471.0		364	546.0	103.5
Beryllium				11.4	11.4		9.1	13.6	100.0
Cadmium				11.4	11.8		9.1	13.6	103.5
Calcium				1135.0	1080.2		908	1362.0	95.2
Chromium				45.5	46.6		36.4	54.6	102.4
Cobalt				113.5	115.1		90.8	136.2	101.4
Copper				56.5	57.9		45.2	67.8	102.5
Iron				227.5	241.5		182	273.0	106.2
Lead				22.8	22.9		18.2	27.3	100.4
Magnesium				1135.0	1154.9		908	1362.0	101.8
Manganese				113.5	117.2		90.8	136.2	103.3
Nickel				113.5	114.9		90.8	136.2	101.2
Potassium				1135.0	1183.8		908	1362.0	104.3
Selenium				22.8	22.1		18.2	27.3	96.9
Silver				56.5	56.5		42.4	67.8	100.0
Sodium				1135.0	1194.2		908	1362.0	105.2
Thallium				22.8	21.8		18.2	27.3	95.6
Vanadium				113.5	115.2		90.8	136.2	101.5
Zinc				113.5	113.5		90.8	136.2	100.0

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-78023**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	9059.47	99.6						
Antimony	455.0	464.05	102.0						
Arsenic	455.0	473.24	104.0						
Barium	9100.0	9389.24	103.2						
Beryllium	227.0	231.37	101.9						
Cadmium	227.0	234.06	103.1						
Calcium	22700.0	21986.46	96.9						
Chromium	910.0	918.02	100.9						
Cobalt	2270.0	2279.15	100.4						
Copper	1130.0	1162.00	102.8						
Iron	4550.0	4762.84	104.7						
Lead	455.0	461.64	101.5						
Magnesium	22700.0	23239.87	102.4						
Manganese	2270.0	2335.04	102.9						
Nickel	2270.0	2284.77	100.7						
Potassium	22700.0	23843.82	105.0						
Selenium	455.0	455.47	100.1						
Silver	1130.0	1143.92	101.2						
Sodium	22700.0	24184.13	106.5						
Thallium	455.0	443.07	97.4						
Vanadium	2270.0	2295.33	101.1						
Zinc	2270.0	2281.50	100.5						

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-78024**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide				5.0	5.6		4	6.0	112.0

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-78040**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide				5.0	4.9		4	6.0	98.0

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78065

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide	100.0	111.05	111.1						

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78095

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide				5.0	4.8		4	6.0	96.0

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCSD-78023**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	9185.44	100.9						
Antimony	455.0	469.78	103.2						
Arsenic	455.0	480.42	105.6						
Barium	9100.0	9552.71	105.0						
Beryllium	227.0	235.38	103.7						
Cadmium	227.0	240.60	106.0						
Calcium	22700.0	22193.48	97.8						
Chromium	910.0	937.12	103.0						
Cobalt	2270.0	2326.75	102.5						
Copper	1130.0	1181.39	104.5						
Iron	4550.0	4839.77	106.4						
Lead	455.0	471.13	103.5						
Magnesium	22700.0	23629.03	104.1						
Manganese	2270.0	2373.09	104.5						
Nickel	2270.0	2329.71	102.6						
Potassium	22700.0	24053.77	106.0						
Selenium	455.0	457.94	100.6						
Silver	1130.0	1163.76	103.0						
Sodium	22700.0	23957.26	105.5						
Thallium	455.0	453.53	99.7						
Vanadium	2270.0	2338.24	103.0						
Zinc	2270.0	2323.61	102.4						

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-06-10-070714S

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 77.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	6.9		2.9		5.6	72	N	CA

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-10-10-070814AS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 71.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	15.6		1.8		27.5	50	N	P
Arsenic	75-125	33.5		12.4		27.5	76		P
Barium	75-125	585		79.4		551	92		P
Beryllium	75-125	13.6		0.88		13.7	92		P
Cadmium	75-125	30.4		18.8		13.7	84		P
Chromium	75-125	361		183		55.1	322	N	P
Cobalt	75-125	129		16.5		137	82		P
Copper		596		495		68.4	148		P
Lead		537		660		27.5	-444		P
Nickel	75-125	245		145		137	73	N	P
Selenium	75-125	0.77	U	0.58	U	27.5	0	N	P
Silver	75-125	74.5		4.0		68.4	103		P
Thallium	75-125	0.27	U	0.20	U	27.5	0	N	P
Vanadium	75-125	143		14.2		137	94		P
Zinc		937		918		137	14		P
Cyanide	75-125	2.6		5.2		5.7	-46	N	CA

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-12-10-070814S

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 80.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	11.0		1.8		23.5	39	N	P
Arsenic	75-125	32.4		8.2		23.5	103		P
Barium	75-125	499		90.0		470	87		P
Beryllium	75-125	11.5		1.5		11.7	85		P
Cadmium	75-125	16.7		8.7		11.7	68	N	P
Chromium	75-125	72.2		38.1		47.0	73	N	P
Cobalt	75-125	108		8.2		117	85		P
Copper	75-125	140		46.2		58.3	161	N	P
Lead		196		174		23.5	94		P
Nickel	75-125	117		21.0		117	82		P
Selenium	75-125	22.8		0.68	U	23.5	97		P
Silver	75-125	62.8		3.2		58.3	102		P
Thallium	75-125	19.1		1.3		23.5	76		P
Vanadium	75-125	134		22.5		117	95		P
Zinc	75-125	546		363		117	157	N	P

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-06-10-070714A

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide		117.37		52.56		100.0	65		CA

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-10-10-070814AA

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		417.52		38.74		455.0	83		P
Chromium		4257.00		4032.22		910.0	25		P
Nickel		4401.15		3180.19		2270.0	54		P
Selenium		0.64	U	0.64	U	455.0	0		P
Thallium		0.22	U	0.22	U	455.0	0		P
Cyanide		197.76		93.05		100.0	105		CA

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-12-10-070814A

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		492.92		33.64		455.0	101		P
Cadmium		374.69		164.88		227.0	92		P
Chromium		1610.12		719.34		910.0	98		P
Copper		2158.33		872.12		1130.0	114		P
Thallium		429.34		23.62		455.0	89		P
Zinc		8811.90		6851.00		2270.0	86		P

Comments:

6

DUPLICATES

EPA SAMPLE NO.

SB-06-10-070714D

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 77.8 % Solids for Duplicate: 77.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cyanide	1.1	2.9127		0.5000	U	200	*	CA

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6

DUPLICATES

EPA SAMPLE NO.

SB-12-10-070814D

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 80.7 % Solids for Duplicate: 80.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		9195.6369		12256.8237		28.5	*	P
Antimony	1.1	1.7814		1.6363		8.5		P
Arsenic		8.2027		10.7351		26.7	*	P
Barium		89.9575		113.0091		22.7	*	P
Beryllium		1.4618		1.9930		30.8	*	P
Cadmium		8.7311		6.9970		22.1	*	P
Calcium		46210.2530		54459.3566		16.4		P
Chromium		38.0923		33.8146		11.9		P
Cobalt	2.6	8.1633		7.4320		9.4		P
Copper		46.1822		52.9137		13.6		P
Iron		174145.9491		142407.3702		20.1	*	P
Lead		174.0159		136.2948		24.3	*	P
Magnesium		12315.5312		14238.9138		14.5		P
Manganese		5161.6612		4892.6710		5.4		P
Nickel		21.0399		17.9813		15.7		P
Potassium		1351.5252		2664.9078		65.4	*	P
Selenium		0.6800	U	0.6500	U			P
Silver	1.6	3.2400		3.1588		2.5		P
Sodium		576.3495		523.2039		9.7		P
Thallium	1.1	1.2505		2.2193		55.8		P
Vanadium		22.4949		21.5336		4.4		P
Zinc		362.7898		315.1791		14		P

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6

DUPLICATES

EPA SAMPLE NO.

SB-10-10-070814AD

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 71.8 % Solids for Duplicate: 71.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5168.2222		7807.5555		40.7	*	P
Antimony	0.9	1.7623		0.7613	B	79.3	*	P
Arsenic		12.4232		11.1110		11.2		P
Barium		79.3536		113.8159		35.7	*	P
Beryllium	0.2	0.8823		1.3995		45.3	*	P
Cadmium		18.8285		10.6561		55.4	*	P
Calcium		32503.3696		40914.4958		22.9	*	P
Chromium		183.4035		137.7136		28.5	*	P
Cobalt	2.3	16.4903		15.2276		8		P
Copper		495.2456		518.9000		4.7		P
Iron		329721.0265		220328.6574		39.8	*	P
Lead		659.5072		557.8190		16.7		P
Magnesium		6473.4633		8209.3745		23.6	*	P
Manganese		5336.5521		7023.4094		27.3	*	P
Nickel		144.6494		90.0676		46.5	*	P
Potassium		1217.5480		1099.7044		10.2		P
Selenium		0.5800	U	0.8500	U			P
Silver	1.4	4.0397		4.5815		12.6		P
Sodium	45.0	236.9935		238.4394		0.6		P
Thallium		0.2000	U	0.2900	U			P
Vanadium		14.2277		17.2455		19.2		P
Zinc		917.8607		885.6079		3.6		P
Cyanide	1.1	5.2223		7.3693		34.1	*	CA

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78024**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

LACHAT1_140711A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/11/14 10:45	C	07/11/14 11:15	C	07/11/14 11:40	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	0.450	U	CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78040**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

LACHAT1_140711A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/11/14 12:08	C	07/11/14 12:33	C	07/11/14 12:52	C		C	M
Cyanide			7.5	U	7.5	U	7.5	U	0.450	U	CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78065**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

LACHAT1_140715A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/15/14 9:34	C	07/15/14 10:02	C	07/15/14 10:25	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	7.500	U	CA

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140715A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/15/14 10:52	C	07/15/14 11:17	C	07/15/14 11:36	C		C	M
Cyanide			7.5	U	7.5	U	7.5	U			CA

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78095**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

LACHAT1_140717A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/17/14 12:09	C	07/17/14 12:37	C		C		C	M
Cyanide	7.5	U	7.5	U	7.5	U			0.450	U	CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78021**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_140715A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/15/14 8:30	C	07/15/14 9:04	C	07/15/14 9:45	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	1.200	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	0.410	U	P
Barium	1.1	U	1.1	U	1.1	U	1.2	B	0.038	B	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.019	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.110	U	P
Iron	31.0	U	31.0	U	31.0	U			2.005	B	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	0.630	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.130	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.043	U	P
Potassium	76.0	U	76.0	U	76.0	U	76.0	U	4.072	B	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	0.640	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	29.0	U	29.0	U	29.0	U	29.0	U	1.100	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	0.180	U	P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140715A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/15/14 10:25	C	07/15/14 10:50	C		C	Preparation Blank	C	M
Aluminum			66.0	U							P
Antimony			9.3	U	9.3	U					P
Arsenic			4.3	U							P
Barium			1.1	U							P
Beryllium			0.3	U							P
Cadmium			0.9	U	0.9	U					P
Calcium			110.0	U							P
Chromium			0.6	U	0.6	U					P
Cobalt			0.7	U							P
Copper			3.6	U	3.6	U					P
Lead			4.2	U							P
Magnesium			76.0	U							P
Manganese			10.0	U							P
Nickel			0.8	U							P
Potassium			76.4	B							P
Selenium			12.0	U							P
Silver			6.9	U							P
Sodium			29.0	U							P
Thallium			6.2	U	6.2	U					P
Vanadium			1.1	U							P
Zinc			7.9	B	4.9	U					P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78023**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_140715C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/15/14 11:41	C	07/15/14 12:20	C	07/15/14 12:57	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	66.000	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	9.300	U	P
Arsenic	6.8	B	6.7	B	4.3	U	4.3	U	5.036	B	P
Barium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.260	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	110.000	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.670	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	31.000	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.850	U	P
Potassium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P
Sodium	29.0	U	29.0	U	29.0	U	29.0	U	29.000	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	6.200	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	4.900	U	P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78022**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_140715C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/15/14 13:34	C	07/15/14 14:14	C	07/15/14 14:48	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U	1.200	U	P
Antimony			9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic			5.2	B	4.3	U	6.4	B	0.410	U	P
Barium			1.1	U	1.1	U	1.1	U	0.031	U	P
Beryllium			0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium			0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium			110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium			0.6	U	0.6	U	0.6	U	0.019	U	P
Cobalt			0.7	U	0.7	U	0.7	U	0.044	U	P
Copper			3.6	U	3.6	U	3.6	U	0.110	U	P
Iron			31.0	U	31.0	U	31.0	U	1.500	U	P
Lead			4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium			76.0	U	76.0	U	76.0	U	0.630	U	P
Manganese			10.0	U	10.0	U	10.0	U	0.130	U	P
Nickel			0.8	U	0.8	U	0.8	U	0.043	U	P
Potassium			76.0	U	76.0	U	76.0	U	3.654	B	P
Selenium			12.0	U	12.0	U	12.0	U	0.640	U	P
Silver			6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium			29.0	U	29.0	U	29.0	U	1.288	B	P
Thallium			6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium			1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc			4.9	U	4.9	U	4.9	U	0.180	U	P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140715C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/15/14 15:24	C	07/15/14 15:57	C	07/15/14 16:32	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U					P
Antimony			9.3	U	9.3	U					P
Arsenic			4.3	U	4.3	U					P
Barium			1.1	U	1.1	U					P
Beryllium			0.3	U	0.3	U					P
Cadmium			0.9	U	0.9	U					P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U					P
Cobalt			0.7	U	0.7	U					P
Copper			3.6	U	3.6	U					P
Iron			31.0	U	31.0	U	31.0	U			P
Lead			4.2	U	4.2	U					P
Magnesium			76.0	U	76.0	U					P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U					P
Potassium			76.0	U	76.0	U					P
Selenium			12.0	U	12.0	U					P
Silver			6.9	U	6.9	U					P
Sodium			29.0	U	29.0	U					P
Thallium			6.2	U	6.2	U					P
Vanadium			1.1	U	1.1	U					P
Zinc			4.9	U	4.9	U					P

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1176

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140717A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/17/14 9:22	C	07/17/14 9:50	C		C		C	M
Iron	31.0	U	31.0	U	31.0	U					P

* Wet Chemistry *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1176

SM 3500D

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 3500D

IV. PREPARATION

Samples were prepared following procedures in laboratory test code: SM 3500D

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: SPEC2
Instrument Type: SP
Description: Spectronic 20 Genesys
Manufacturer: Spectronic Instruments
Model: 4004-000

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

D. Duplicate sample:

No client-requested laboratory duplicate analyses were included in this SDG.

E. Dilutions:

No sample required dilution in this SDG.

F. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/14/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Client: CDM-Smith, Inc.
Client Sample ID: RB-01-070814
Lab ID: N1176-27
Project: Buffalo Lakeside
Collection Date: 07/08/14 13:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/09/2014 12:47	78013

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

N1176

CLIENT: CDM-Smith, Inc.
Work Order: N1176
Project: Buffalo Lakeside

ANALYTICAL QC SUMMARY REPORT

SM3500_CR+

SM 3500D -- CR VI by Colorimetric Method

Sample ID: **MB-78013**	SampType: **MBLK**	TestCode: **SM3500_CR+**			Prep Date: **07/09/14 12:45**			Run ID: **SPEC2_140709A**				
Client ID: **MB-78013**	Batch ID: **78013**	Units: **mg/L**			Analysis Date: **07/09/14 12:55**			SeqNo: **2116832**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.030	0.030									

Sample ID: **LCS-78013**	SampType: **LCS**	TestCode: **SM3500_CR+**			Prep Date: **07/09/14 12:45**			Run ID: **SPEC2_140709A**				
Client ID: **LCS-78013**	Batch ID: **78013**	Units: **mg/L**			Analysis Date: **07/09/14 12:53**			SeqNo: **2116834**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.3830	0.030	0.030	0.4000	0	95.8	80	120	0			

Sample ID: **LCSD-78013**	SampType: **LCSD**	TestCode: **SM3500_CR+**			Prep Date: **07/09/14 12:45**			Run ID: **SPEC2_140709A**				
Client ID: **LCSD-78013**	Batch ID: **78013**	Units: **mg/L**			Analysis Date: **07/09/14 12:51**			SeqNo: **2116835**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.3920	0.030	0.030	0.4000	0	98.0	80	120	0.3830	2.32	20	

Qualifiers: ND - Not Detected at the MDL; S - Recovery outside accepted recovery limits; MDL - Method Detection Limit; B - Analyte detected in the associated Method Blank

m14.07.01.1307 J - Analyte detected below quanititation limits; R - RPD outside accepted recovery limits; RL - Reporting Limit

* Wet Chemistry *

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

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	9:00
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73160

Project ID: BUFFALO LAKESIDE
Client ID: SB-12-10-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.49	0.49	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	10.76	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	215	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	9:20
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73161

Project ID: BUFFALO LAKESIDE
Client ID: SB-13-08-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.56	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	222	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	9:35
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73162

Project ID: BUFFALO LAKESIDE
Client ID: SB-14-10-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.52	0.52	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	10.68	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	84	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is neither in a reducing or an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	9:50
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73163

Project ID: BUFFALO LAKESIDE
Client ID: SB-15-08-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.48	0.48	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.24	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	103	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

Environmental Laboratories, Inc.
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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	10:15
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73164

Project ID: BUFFALO LAKESIDE
Client ID: SB-16-10-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	73		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.55	0.55	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	10.79	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	-237	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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July 18, 2014
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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	10:45
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73165

Project ID: BUFFALO LAKESIDE
Client ID: SB-01-10-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.35	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	74	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	11:00
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73166

Project ID: BUFFALO LAKESIDE
Client ID: SB-02-10-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.98	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	66	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	11:15
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73167

Project ID: BUFFALO LAKESIDE
Client ID: SB-03-10-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.56	0.56	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	11.03	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	-87	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	11:25
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73168

Project ID: BUFFALO LAKESIDE
Client ID: SB-04-10-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	10.54	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	-208	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	11:45
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73169

Project ID: BUFFALO LAKESIDE
Client ID: SB-05-10-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	78		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.49	0.49	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	10.77	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	-242	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	12:45
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73170

Project ID: BUFFALO LAKESIDE
Client ID: SB-06-10-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.52	0.52	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	10.91	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	-222	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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July 18, 2014
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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	12:45
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73171

Project ID: BUFFALO LAKESIDE
Client ID: FD-01-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.49	0.49	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	11.19	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	-179	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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July 18, 2014
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	13:05
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73172

Project ID: BUFFALO LAKESIDE
Client ID: SB-07-03-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.44	0.44	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	10.47	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	-82	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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July 18, 2014
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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	13:10
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73173

Project ID: BUFFALO LAKESIDE
Client ID: SB-07-10-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.49	0.49	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	11.45	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	-414	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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July 18, 2014
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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	13:40
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73174

Project ID: BUFFALO LAKESIDE
Client ID: SB-08-04-070814

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	65		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.59	0.59	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.73	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	-170	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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July 18, 2014
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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	13:50
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73175

Project ID: BUFFALO LAKESIDE
Client ID: SB-09-04-070814B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	9.10	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	56	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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July 18, 2014
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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	14:05
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73176

Project ID: BUFFALO LAKESIDE
Client ID: SB-11-10-070814B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.46	0.46	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	9.89	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	10	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is neither in a reducing or an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	14:05
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73177

Project ID: BUFFALO LAKESIDE
Client ID: FD-02-070814B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.53	0.53	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	9.97	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	5.1	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/08/14	14:20
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1176				

Laboratory Data

SDG ID: GBG73160
Phoenix ID: BG73178

Project ID: BUFFALO LAKESIDE
Client ID: SB-10-10-070814B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	07/11/14	I	E160.3
Chromium, Hexavalent MS/MSD	Completed			07/15/14	CL	SW3060/7196
Chromium, Hexavalent	< 0.52	0.52	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	9.25	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Hexavelent Chromium	Completed			07/15/14		
Redox Potential	-213	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Phyllis Shiller, Laboratory Director

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

QA/QC Report

July 18, 2014

QA/QC Data

SDG I.D.: GBG73160

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 280009, QC Sample No: BG73178 (BG73160, BG73161, BG73162, BG73163, BG73164, BG73165, BG73166, BG73178)													
Hex Chromium - Soil													
Hexavalent Cr	BRL	<0.52	<0.54	NC	101						70 - 130	30	
Insoluble Cr					92.1			56.0			70 - 130	30	m
Soluble Cr					95.9			<10			70 - 130	30	m
Comment:													
Soluble spike analyzed twice with similar recoveries. The post digestive spike was recovered at 59.5%.													
QA/QC Batch 280158, QC Sample No: BG73940 (BG73167, BG73168, BG73169, BG73170, BG73171, BG73172, BG73173, BG73174, BG73175, BG73176, BG73177)													
Hex Chromium - Soil													
Hexavalent Cr	BRL	<0.47	<0.47	NC	102						70 - 130	30	
Insoluble Cr					96.7			89.3			70 - 130	30	
Soluble Cr					99.3			<10.0%			70 - 130	30	m
Comment:													
Soluble spike was analyzed twice with similar recoveries and post digestive spike recovery was 100%.													

m = This parameter is outside laboratory ms/msd specified recovery limits.

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

QA/QC Report

July 18, 2014

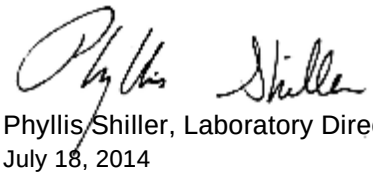
QA/QC Data

SDG I.D.: GBG73160

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 279787, QC Sample No: BG73059 (BG73160, BG73161, BG73162, BG73163, BG73164, BG73165, BG73166)												
pH - Soil		7.43	7.28	2.00	97.4						85 - 115	20
QA/QC Batch 279789, QC Sample No: BG73253 (BG73167, BG73168, BG73169, BG73170, BG73171, BG73172, BG73173, BG73174, BG73175, BG73176, BG73177, BG73178)												
pH - Soil		8.27	8.22	0.60	97.4						85 - 115	20

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

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



Phyllis Shiller, Laboratory Director
July 18, 2014

Friday, July 18, 2014

Criteria: None

State: RI

Sample Criteria Exceedences Report

GBG73160 - SPECTRUM-RI

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

*** No Data to Display ***

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

Report Date:
22-Jul-14 15:39

SPECTRUM ANALYTICAL, INC.
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☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: N1181
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
N1181-01	SS-01-070914	Soil	09-Jul-14 13:05	10-Jul-14 09:15
N1181-02	SS-02-070914	Soil	09-Jul-14 13:15	10-Jul-14 09:15
N1181-03	SS-03-070914	Soil	09-Jul-14 13:23	10-Jul-14 09:15
N1181-04	SS-04-070914	Soil	09-Jul-14 13:30	10-Jul-14 09:15
N1181-05	SS-FD-01-070914	Soil	09-Jul-14 13:30	10-Jul-14 09:15
N1181-06	SS-05-070914	Soil	09-Jul-14 13:40	10-Jul-14 09:15
N1181-07	SS-06-070914	Soil	09-Jul-14 13:45	10-Jul-14 09:15
N1181-08	SS-07-070914	Soil	09-Jul-14 13:55	10-Jul-14 09:15
N1181-09	SS-08-070914	Soil	09-Jul-14 14:00	10-Jul-14 09:15
N1181-10	SS-09-070914	Soil	09-Jul-14 14:10	10-Jul-14 09:15
N1181-11	SS-10-070914	Soil	09-Jul-14 14:55	10-Jul-14 09:15
N1181-12	SS-FD-02-070914	Soil	09-Jul-14 14:55	10-Jul-14 09:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
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* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1181

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SS-01-070914	N1181-01		SW8270_S		SW6010_S	SEE DATA
SS-02-070914	N1181-02		SW8270_S		SW6010_S	SEE DATA
SS-03-070914	N1181-03		SW8270_S		SW6010_S	SEE DATA
SS-04-070914	N1181-04		SW8270_S		SW6010_S	SEE DATA
SS-FD-01-070914	N1181-05		SW8270_S		SW6010_S	SEE DATA
SS-05-070914	N1181-06		SW8270_S		SW6010_S	SEE DATA
SS-06-070914	N1181-07		SW8270_S		SW6010_S	SEE DATA
SS-07-070914	N1181-08		SW8270_S		SW6010_S	SEE DATA
SS-08-070914	N1181-09		SW8270_S		SW6010_S	SEE DATA
SS-09-070914	N1181-10		SW8270_S		SW6010_S	SEE DATA
SS-10-070914	N1181-11		SW8270_S		SW6010_S	SEE DATA
SS-FD-02-070914	N1181-12		SW8270_S		SW6010_S	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1181

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					
N1181-01A	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-01ADL	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-02A	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-02ADL	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-03A	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-04A	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-05A	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-06A	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-07A	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-08A	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-09A	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-10A	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-11A	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-11ADL	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-12A	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014
N1181-12ADL	SL	7/9/2014	7/10/2014	7/15/2014	7/17/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1181

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					
N1181-01A	SL	SW8270_S	3550B	NA	1
N1181-01ADL	SL	SW8270_S	3550B	NA	10
N1181-02A	SL	SW8270_S	3550B	NA	1
N1181-02ADL	SL	SW8270_S	3550B	NA	2
N1181-03A	SL	SW8270_S	3550B	NA	1
N1181-04A	SL	SW8270_S	3550B	NA	1
N1181-05A	SL	SW8270_S	3550B	NA	1
N1181-06A	SL	SW8270_S	3550B	NA	1
N1181-07A	SL	SW8270_S	3550B	NA	1
N1181-08A	SL	SW8270_S	3550B	NA	1
N1181-09A	SL	SW8270_S	3550B	NA	1
N1181-10A	SL	SW8270_S	3550B	NA	1
N1181-11A	SL	SW8270_S	3550B	NA	1
N1181-11ADL	SL	SW8270_S	3550B	NA	5
N1181-12A	SL	SW8270_S	3550B	NA	1
N1181-12ADL	SL	SW8270_S	3550B	NA	5

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** N1181

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
N1181-01A	SL	SW6010_S	7/10/2014	7/16/2014
N1181-02A	SL	SW6010_S	7/10/2014	7/16/2014
N1181-03A	SL	SW6010_S	7/10/2014	7/16/2014
N1181-04A	SL	SW6010_S	7/10/2014	7/16/2014
N1181-05A	SL	SW6010_S	7/10/2014	7/16/2014
N1181-06A	SL	SW6010_S	7/10/2014	7/16/2014
N1181-07A	SL	SW6010_S	7/10/2014	7/16/2014
N1181-08A	SL	SW6010_S	7/10/2014	7/16/2014
N1181-09A	SL	SW6010_S	7/10/2014	7/16/2014
N1181-10A	SL	SW6010_S	7/10/2014	7/16/2014
N1181-11A	SL	SW6010_S	7/10/2014	7/16/2014
N1181-12A	SL	SW6010_S	7/10/2014	7/16/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1181

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: fax date added.

Case:
SDG:
PO:

HC Due: 07/22/14
Fax Due: 07/17/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1181-01A	SS-01-070914	07/09/2014 13:05	07/10/2014	Soil	PMoist	/					V3
N1181-01A	SS-01-070914	07/09/2014 13:05	07/10/2014	Soil	SW6010_S	/					V3
N1181-01A	SS-01-070914	07/09/2014 13:05	07/10/2014	Soil	SW8270_S	/				Y	V3
N1181-01A	SS-01-070914	07/09/2014 13:05	07/10/2014	Soil	SW9012_S	/					V3
N1181-01B	SS-01-070914	07/09/2014 13:05	07/10/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1181-02A	SS-02-070914	07/09/2014 13:15	07/10/2014	Soil	PMoist	/					V3
N1181-02A	SS-02-070914	07/09/2014 13:15	07/10/2014	Soil	SW6010_S	/					V3
N1181-02A	SS-02-070914	07/09/2014 13:15	07/10/2014	Soil	SW8270_S	/				Y	V3
N1181-02A	SS-02-070914	07/09/2014 13:15	07/10/2014	Soil	SW9012_S	/					V3
N1181-02B	SS-02-070914	07/09/2014 13:15	07/10/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1181-03A	SS-03-070914	07/09/2014 13:23	07/10/2014	Soil	PMoist	/					V3
N1181-03A	SS-03-070914	07/09/2014 13:23	07/10/2014	Soil	SW6010_S	/					V3
N1181-03A	SS-03-070914	07/09/2014 13:23	07/10/2014	Soil	SW8270_S	/				Y	V3
N1181-03A	SS-03-070914	07/09/2014 13:23	07/10/2014	Soil	SW9012_S	/					V3
N1181-03B	SS-03-070914	07/09/2014 13:23	07/10/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1181-04A	SS-04-070914	07/09/2014 13:30	07/10/2014	Soil	PMoist	/					V3
N1181-04A	SS-04-070914	07/09/2014 13:30	07/10/2014	Soil	SW6010_S	/					V3
N1181-04A	SS-04-070914	07/09/2014 13:30	07/10/2014	Soil	SW8270_S	/				Y	V3
N1181-04A	SS-04-070914	07/09/2014 13:30	07/10/2014	Soil	SW9012_S	/					V3
N1181-04B	SS-04-070914	07/09/2014 13:30	07/10/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1181-05A	SS-FD-01-070914	07/09/2014 13:30	07/10/2014	Soil	PMoist	/					V3
N1181-05A	SS-FD-01-070914	07/09/2014 13:30	07/10/2014	Soil	SW6010_S	/					V3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

07/10/2014 10:48 Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1181

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: fax date added.

Case:
SDG:
PO:

HC Due: 07/22/14
Fax Due: 07/17/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1181-05A	SS-FD-01-070914	07/09/2014 13:30	07/10/2014	Soil	SW8270_S	/				Y	V3
N1181-05A	SS-FD-01-070914	07/09/2014 13:30	07/10/2014	Soil	SW9012_S	/					V3
N1181-05B	SS-FD-01-070914	07/09/2014 13:30	07/10/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1181-06A	SS-05-070914	07/09/2014 13:40	07/10/2014	Soil	PMoist	/					V3
N1181-06A	SS-05-070914	07/09/2014 13:40	07/10/2014	Soil	SW6010_S	/					V3
N1181-06A	SS-05-070914	07/09/2014 13:40	07/10/2014	Soil	SW8270_S	/				Y	V3
N1181-06A	SS-05-070914	07/09/2014 13:40	07/10/2014	Soil	SW9012_S	/					V3
N1181-06B	SS-05-070914	07/09/2014 13:40	07/10/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1181-07A	SS-06-070914	07/09/2014 13:45	07/10/2014	Soil	PMoist	/					V3
N1181-07A	SS-06-070914	07/09/2014 13:45	07/10/2014	Soil	SW6010_S	/					V3
N1181-07A	SS-06-070914	07/09/2014 13:45	07/10/2014	Soil	SW8270_S	/				Y	V3
N1181-07A	SS-06-070914	07/09/2014 13:45	07/10/2014	Soil	SW9012_S	/					V3
N1181-07B	SS-06-070914	07/09/2014 13:45	07/10/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1181-08A	SS-07-070914	07/09/2014 13:55	07/10/2014	Soil	PMoist	/					V3
N1181-08A	SS-07-070914	07/09/2014 13:55	07/10/2014	Soil	SW6010_S	/					V3
N1181-08A	SS-07-070914	07/09/2014 13:55	07/10/2014	Soil	SW8270_S	/				Y	V3
N1181-08A	SS-07-070914	07/09/2014 13:55	07/10/2014	Soil	SW9012_S	/					V3
N1181-08B	SS-07-070914	07/09/2014 13:55	07/10/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1181-09A	SS-08-070914	07/09/2014 14:00	07/10/2014	Soil	PMoist	/					V3
N1181-09A	SS-08-070914	07/09/2014 14:00	07/10/2014	Soil	SW6010_S	/					V3
N1181-09A	SS-08-070914	07/09/2014 14:00	07/10/2014	Soil	SW8270_S	/				Y	V3
N1181-09A	SS-08-070914	07/09/2014 14:00	07/10/2014	Soil	SW9012_S	/					V3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

07/10/2014 10:48 Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1181

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: fax date added.

Case:
SDG:
PO:

HC Due: 07/22/14
Fax Due: 07/17/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1181-09B	SS-08-070914	07/09/2014 14:00	07/10/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1181-10A	SS-09-070914	07/09/2014 14:10	07/10/2014	Soil	PMoist	/					V3
N1181-10A	SS-09-070914	07/09/2014 14:10	07/10/2014	Soil	SW6010_S	/					V3
N1181-10A	SS-09-070914	07/09/2014 14:10	07/10/2014	Soil	SW8270_S	/				Y	V3
N1181-10A	SS-09-070914	07/09/2014 14:10	07/10/2014	Soil	SW9012_S	/					V3
N1181-10B	SS-09-070914	07/09/2014 14:10	07/10/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1181-11A	SS-10-070914	07/09/2014 14:55	07/10/2014	Soil	PMoist	/					V3
N1181-11A	SS-10-070914	07/09/2014 14:55	07/10/2014	Soil	SW6010_S	/					V3
N1181-11A	SS-10-070914	07/09/2014 14:55	07/10/2014	Soil	SW8270_S	/				Y	V3
N1181-11A	SS-10-070914	07/09/2014 14:55	07/10/2014	Soil	SW9012_S	/					V3
N1181-11B	SS-10-070914	07/09/2014 14:55	07/10/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1181-12A	SS-FD-02-070914	07/09/2014 14:55	07/10/2014	Soil	PMoist	/					V3
N1181-12A	SS-FD-02-070914	07/09/2014 14:55	07/10/2014	Soil	SW6010_S	/					V3
N1181-12A	SS-FD-02-070914	07/09/2014 14:55	07/10/2014	Soil	SW8270_S	/				Y	V3
N1181-12A	SS-FD-02-070914	07/09/2014 14:55	07/10/2014	Soil	SW9012_S	/					V3
N1181-12B	SS-FD-02-070914	07/09/2014 14:55	07/10/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Lab Client Rep: Agnes R Huntley

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1181

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3550B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S6
Instrument Type: GCMS-Semi

Description: HP7890A
Manufacturer: Agilent
Model: 7890A/5973
GC Column used: 30 m X 0.25 mm ID [0.25 um thickness] Rxi-5sil MS capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits.

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

The following samples were analyzed at dilution:

SS-01-070914 (N1181-01ADL) : Dilution Factor: 10
SS-02-070914 (N1181-02ADL) : Dilution Factor: 2
SS-10-070914 (N1181-11ADL) : Dilution Factor: 5
SS-FD-02-070914 (N1181-12ADL) : Dilution Factor: 5

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

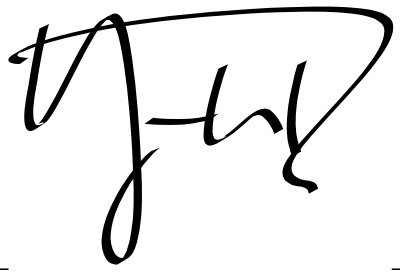
· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

Manual integrations were performed on the following:

SS-01-070914 (N1181-01A) Indeno(1,2,3-cd)pyrene due to M6

SS-10-070914 (N1181-11A) Indeno(1,2,3-cd)pyrene due to M6

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____7/22/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-01-070914

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-01A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8598.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	150	J
91-20-3	Naphthalene	2200	
208-96-8	Acenaphthylene	1100	
83-32-9	Acenaphthene	3200	
86-73-7	Fluorene	3400	
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	20000	E
120-12-7	Anthracene	6200	E
206-44-0	Fluoranthene	23000	E
129-00-0	Pyrene	16000	E
56-55-3	Benzo(a)anthracene	14000	E
218-01-9	Chrysene	12000	E
205-99-2	Benzo(b)fluoranthene	17000	E
207-08-9	Benzo(k)fluoranthene	4300	
50-32-8	Benzo(a)pyrene	12000	E
193-39-5	Indeno(1,2,3-cd)pyrene	7600	E
53-70-3	Dibenzo(a,h)anthracene	1900	
191-24-2	Benzo(g,h,i)perylene	6500	E

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-01-070914DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-01ADL

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8620.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3800	U
95-48-7	2-Methylphenol	3800	U
106-44-5	4-Methylphenol	3800	U
91-20-3	Naphthalene	2400	DJ
208-96-8	Acenaphthylene	1000	DJ
83-32-9	Acenaphthene	3900	D
86-73-7	Fluorene	3600	DJ
87-86-5	Pentachlorophenol	7800	U
85-01-8	Phenanthrene	30000	D
120-12-7	Anthracene	7100	D
206-44-0	Fluoranthene	35000	D
129-00-0	Pyrene	28000	D
56-55-3	Benzo(a)anthracene	17000	D
218-01-9	Chrysene	16000	D
205-99-2	Benzo(b)fluoranthene	16000	D
207-08-9	Benzo(k)fluoranthene	7400	D
50-32-8	Benzo(a)pyrene	13000	D
193-39-5	Indeno(1,2,3-cd)pyrene	9100	D
53-70-3	Dibenzo(a,h)anthracene	2200	DJ
191-24-2	Benzo(g,h,i)perylene	8200	D

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-02-070914

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-02A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8599.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	750	
208-96-8	Acenaphthylene	210	J
83-32-9	Acenaphthene	850	
86-73-7	Fluorene	960	
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	7000	E
120-12-7	Anthracene	1800	
206-44-0	Fluoranthene	8200	E
129-00-0	Pyrene	5600	
56-55-3	Benzo(a)anthracene	4100	
218-01-9	Chrysene	3800	
205-99-2	Benzo(b)fluoranthene	4400	
207-08-9	Benzo(k)fluoranthene	1900	
50-32-8	Benzo(a)pyrene	3200	
193-39-5	Indeno(1,2,3-cd)pyrene	2100	
53-70-3	Dibenzo(a,h)anthracene	560	
191-24-2	Benzo(g,h,i)perylene	1800	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-02-070914DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-02ADL

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8621.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	770	U
95-48-7	2-Methylphenol	770	U
106-44-5	4-Methylphenol	770	U
91-20-3	Naphthalene	690	DJ
208-96-8	Acenaphthylene	160	DJ
83-32-9	Acenaphthene	780	D
86-73-7	Fluorene	800	D
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	6800	D
120-12-7	Anthracene	1600	D
206-44-0	Fluoranthene	7400	D
129-00-0	Pyrene	5700	D
56-55-3	Benzo(a)anthracene	3700	D
218-01-9	Chrysene	3500	D
205-99-2	Benzo(b)fluoranthene	3900	D
207-08-9	Benzo(k)fluoranthene	1600	D
50-32-8	Benzo(a)pyrene	3000	D
193-39-5	Indeno(1,2,3-cd)pyrene	2100	D
53-70-3	Dibenzo(a,h)anthracene	510	DJ
191-24-2	Benzo(g,h,i)perylene	1800	D

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-03-070914

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-03A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S6B8600.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	94	J
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	110	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	420	
120-12-7	Anthracene	120	J
206-44-0	Fluoranthene	780	
129-00-0	Pyrene	730	
56-55-3	Benzo(a)anthracene	540	
218-01-9	Chrysene	730	
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	470	
50-32-8	Benzo(a)pyrene	880	
193-39-5	Indeno(1,2,3-cd)pyrene	830	
53-70-3	Dibenzo(a,h)anthracene	170	J
191-24-2	Benzo(g,h,i)perylene	860	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-04-070914

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-04A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S6B8601.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	140	J
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	240	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	630	
120-12-7	Anthracene	160	J
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1200	
56-55-3	Benzo(a)anthracene	1100	
218-01-9	Chrysene	1400	
205-99-2	Benzo(b)fluoranthene	2700	
207-08-9	Benzo(k)fluoranthene	1000	
50-32-8	Benzo(a)pyrene	2100	
193-39-5	Indeno(1,2,3-cd)pyrene	2000	
53-70-3	Dibenzo(a,h)anthracene	420	
191-24-2	Benzo(g,h,i)perylene	2000	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-FD-01-070914

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-05A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8602.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	120	J
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	160	J
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	560	
120-12-7	Anthracene	160	J
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	1200	
56-55-3	Benzo(a)anthracene	1200	
218-01-9	Chrysene	1300	
205-99-2	Benzo(b)fluoranthene	2500	
207-08-9	Benzo(k)fluoranthene	940	
50-32-8	Benzo(a)pyrene	2000	
193-39-5	Indeno(1,2,3-cd)pyrene	1900	
53-70-3	Dibenzo(a,h)anthracene	430	
191-24-2	Benzo(g,h,i)perylene	2000	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-05-070914

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-06A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8603.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	130	J
208-96-8	Acenaphthylene	89	J
83-32-9	Acenaphthene	150	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	430	
120-12-7	Anthracene	150	J
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	1200	
56-55-3	Benzo(a)anthracene	1100	
218-01-9	Chrysene	1200	
205-99-2	Benzo(b)fluoranthene	2300	
207-08-9	Benzo(k)fluoranthene	910	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	1800	
53-70-3	Dibenzo(a,h)anthracene	390	
191-24-2	Benzo(g,h,i)perylene	1800	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-06-070914

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-07A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8604.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	83	J
83-32-9	Acenaphthene	150	J
86-73-7	Fluorene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	370	J
120-12-7	Anthracene	120	J
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	770	
56-55-3	Benzo(a)anthracene	790	
218-01-9	Chrysene	930	
205-99-2	Benzo(b)fluoranthene	1800	
207-08-9	Benzo(k)fluoranthene	620	
50-32-8	Benzo(a)pyrene	1200	
193-39-5	Indeno(1,2,3-cd)pyrene	1100	
53-70-3	Dibenzo(a,h)anthracene	270	J
191-24-2	Benzo(g,h,i)perylene	1100	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-07-070914

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-08A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S6B8605.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	490	
208-96-8	Acenaphthylene	130	J
83-32-9	Acenaphthene	410	
86-73-7	Fluorene	350	J
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	1900	
120-12-7	Anthracene	470	
206-44-0	Fluoranthene	2800	
129-00-0	Pyrene	2300	
56-55-3	Benzo(a)anthracene	1700	
218-01-9	Chrysene	2100	
205-99-2	Benzo(b)fluoranthene	3400	
207-08-9	Benzo(k)fluoranthene	1200	
50-32-8	Benzo(a)pyrene	2500	
193-39-5	Indeno(1,2,3-cd)pyrene	2200	
53-70-3	Dibenzo(a,h)anthracene	530	
191-24-2	Benzo(g,h,i)perylene	2100	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-08-070914

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-09A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8606.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	270	J
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	J
86-73-7	Fluorene	350	J
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	3700	
120-12-7	Anthracene	860	
206-44-0	Fluoranthene	5400	
129-00-0	Pyrene	3900	
56-55-3	Benzo(a)anthracene	2600	
218-01-9	Chrysene	3200	
205-99-2	Benzo(b)fluoranthene	4400	
207-08-9	Benzo(k)fluoranthene	1600	
50-32-8	Benzo(a)pyrene	2400	
193-39-5	Indeno(1,2,3-cd)pyrene	1900	
53-70-3	Dibenzo(a,h)anthracene	560	
191-24-2	Benzo(g,h,i)perylene	1900	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-09-070914

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-10A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8607.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	78	J
208-96-8	Acenaphthylene	130	J
83-32-9	Acenaphthene	280	J
86-73-7	Fluorene	160	J
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	550	
206-44-0	Fluoranthene	5000	
129-00-0	Pyrene	3600	
56-55-3	Benzo(a)anthracene	3100	
218-01-9	Chrysene	3200	
205-99-2	Benzo(b)fluoranthene	4500	
207-08-9	Benzo(k)fluoranthene	1900	
50-32-8	Benzo(a)pyrene	3300	
193-39-5	Indeno(1,2,3-cd)pyrene	2700	
53-70-3	Dibenzo(a,h)anthracene	670	
191-24-2	Benzo(g,h,i)perylene	2300	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10-070914

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-11A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8608.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	550	
208-96-8	Acenaphthylene	820	
83-32-9	Acenaphthene	1400	
86-73-7	Fluorene	1500	
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	10000	E
120-12-7	Anthracene	3100	
206-44-0	Fluoranthene	16000	E
129-00-0	Pyrene	11000	E
56-55-3	Benzo(a)anthracene	9700	E
218-01-9	Chrysene	9000	E
205-99-2	Benzo(b)fluoranthene	12000	E
207-08-9	Benzo(k)fluoranthene	3900	
50-32-8	Benzo(a)pyrene	8700	E
193-39-5	Indeno(1,2,3-cd)pyrene	6200	
53-70-3	Dibenzo(a,h)anthracene	1500	
191-24-2	Benzo(g,h,i)perylene	5000	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-10-070914DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-11ADL

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8622.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1900	U
95-48-7	2-Methylphenol	1900	U
106-44-5	4-Methylphenol	1900	U
91-20-3	Naphthalene	510	DJ
208-96-8	Acenaphthylene	600	DJ
83-32-9	Acenaphthene	1100	DJ
86-73-7	Fluorene	1200	DJ
87-86-5	Pentachlorophenol	3900	U
85-01-8	Phenanthrene	11000	D
120-12-7	Anthracene	2800	D
206-44-0	Fluoranthene	16000	D
129-00-0	Pyrene	13000	D
56-55-3	Benzo(a)anthracene	8900	D
218-01-9	Chrysene	8400	D
205-99-2	Benzo(b)fluoranthene	10000	D
207-08-9	Benzo(k)fluoranthene	4400	D
50-32-8	Benzo(a)pyrene	7700	D
193-39-5	Indeno(1,2,3-cd)pyrene	5600	D
53-70-3	Dibenzo(a,h)anthracene	1400	DJ
191-24-2	Benzo(g,h,i)perylene	5000	D

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-FD-02-070914

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-12A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8619.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	600	
208-96-8	Acenaphthylene	760	
83-32-9	Acenaphthene	1700	
86-73-7	Fluorene	1600	
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	13000	E
120-12-7	Anthracene	3900	
206-44-0	Fluoranthene	18000	E
129-00-0	Pyrene	16000	E
56-55-3	Benzo(a)anthracene	12000	E
218-01-9	Chrysene	11000	E
205-99-2	Benzo(b)fluoranthene	14000	E
207-08-9	Benzo(k)fluoranthene	4900	
50-32-8	Benzo(a)pyrene	11000	E
193-39-5	Indeno(1,2,3-cd)pyrene	8800	E
53-70-3	Dibenzo(a,h)anthracene	2200	
191-24-2	Benzo(g,h,i)perylene	7500	E

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-FD-02-070914DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1181-12ADL

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8623.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/10/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1900	U
95-48-7	2-Methylphenol	1900	U
106-44-5	4-Methylphenol	1900	U
91-20-3	Naphthalene	510	DJ
208-96-8	Acenaphthylene	770	DJ
83-32-9	Acenaphthene	1500	DJ
86-73-7	Fluorene	1500	DJ
87-86-5	Pentachlorophenol	4000	U
85-01-8	Phenanthrene	14000	D
120-12-7	Anthracene	3700	D
206-44-0	Fluoranthene	20000	D
129-00-0	Pyrene	16000	D
56-55-3	Benzo(a)anthracene	10000	D
218-01-9	Chrysene	9800	D
205-99-2	Benzo(b)fluoranthene	13000	D
207-08-9	Benzo(k)fluoranthene	4700	D
50-32-8	Benzo(a)pyrene	9700	D
193-39-5	Indeno(1,2,3-cd)pyrene	7300	D
53-70-3	Dibenzo(a,h)anthracene	1700	DJ
191-24-2	Benzo(g,h,i)perylene	6300	D

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78074

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-78074

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8586.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78074

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-78074

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8587.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3000	
95-48-7	2-Methylphenol	2900	
106-44-5	4-Methylphenol	2900	
91-20-3	Naphthalene	2800	
208-96-8	Acenaphthylene	2700	
83-32-9	Acenaphthene	2700	
86-73-7	Fluorene	2800	
87-86-5	Pentachlorophenol	2600	
85-01-8	Phenanthrene	2700	
120-12-7	Anthracene	2700	
206-44-0	Fluoranthene	3000	
129-00-0	Pyrene	2700	
56-55-3	Benzo(a)anthracene	2800	
218-01-9	Chrysene	2800	
205-99-2	Benzo(b)fluoranthene	3000	
207-08-9	Benzo(k)fluoranthene	2900	
50-32-8	Benzo(a)pyrene	2900	
193-39-5	Indeno(1,2,3-cd)pyrene	2900	
53-70-3	Dibenzo(a,h)anthracene	2900	
191-24-2	Benzo(g,h,i)perylene	2900	

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78074	87	79	86	86	85	81			0
02	LCS-78074	86	80	85	83	83	83			0
03	SS-01-070914	72	67	70	80	74	72			0
04	SS-02-070914	79	74	79	87	79	82			0
05	SS-03-070914	79	78	83	71	74	78			0
06	SS-04-070914	83	78	80	80	77	78			0
07	SS-FD-01-070914	79	78	87	71	71	83			0
08	SS-05-070914	80	77	96	70	72	81			0
09	SS-06-070914	76	74	79	77	73	82			0
10	SS-07-070914	77	76	84	70	69	79			0
11	SS-08-070914	78	77	86	78	73	82			0
12	SS-09-070914	69	66	68	73	70	68			0
13	SS-10-070914	79	76	85	89	78	86			0
14	SS-FD-02-070914	85	86	86	69	70	83			0
15	SS-01-070914DL	91	85	87	74	75	77			0
16	SS-02-070914DL	79	77	77	66	67	74			0
17	SS-10-070914DL	72	74	81	64	63	73			0
18	SS-FD-02-070914DL	75	76	81	66	64	71			0

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(35-100)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH)	= Terphenyl-d14	(30-125)
SDMC4	(PHL)	= Phenol-d5	(40-100)
SDMC5	(2FP)	= 2-Fluorophenol	(35-105)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78074

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Lab Sample ID: LCS-78074 LCS Lot No.: A0100278

Date Extracted: 07/15/2014 Date Analyzed (1): 07/16/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2959.1951	89		40 - 100
2-Methylphenol	3333.0000	0.0000	2890.1384	87		40 - 105
4-Methylphenol	3333.0000	0.0000	2860.7273	86		40 - 105
Naphthalene	3333.0000	0.0000	2777.9250	83		40 - 105
Acenaphthylene	3333.0000	0.0000	2718.4549	82		45 - 105
Acenaphthene	3333.0000	0.0000	2684.7581	81		45 - 110
Fluorene	3333.0000	0.0000	2818.5601	85		50 - 110
Pentachlorophenol	3333.0000	0.0000	2586.3339	78		25 - 120
Phenanthrene	3333.0000	0.0000	2728.7166	82		50 - 110
Anthracene	3333.0000	0.0000	2698.8422	81		55 - 105
Fluoranthene	3333.0000	0.0000	2977.4297	89		55 - 115
Pyrene	3333.0000	0.0000	2685.6577	81		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2800.9624	84		50 - 110
Chrysene	3333.0000	0.0000	2813.7765	84		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2963.8565	89		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2866.7819	86		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2911.6893	87		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	2894.1325	87		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2911.4704	87		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	2877.3963	86		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78074

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

Lab File ID: S6B8586.D Lab Sample ID: MB-78074

Instrument ID: S6 Date Extracted: 07/15/2014

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 07/16/2014

Level: (LOW/MED) LOW Time Analyzed: 20:28

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-78074	LCS-78074	S6B8587.D	07/16/2014
02	SS-01-070914	N1181-01A	S6B8598.D	07/17/2014
03	SS-02-070914	N1181-02A	S6B8599.D	07/17/2014
04	SS-03-070914	N1181-03A	S6B8600.D	07/17/2014
05	SS-04-070914	N1181-04A	S6B8601.D	07/17/2014
06	SS-FD-01-070914	N1181-05A	S6B8602.D	07/17/2014
07	SS-05-070914	N1181-06A	S6B8603.D	07/17/2014
08	SS-06-070914	N1181-07A	S6B8604.D	07/17/2014
09	SS-07-070914	N1181-08A	S6B8605.D	07/17/2014
10	SS-08-070914	N1181-09A	S6B8606.D	07/17/2014
11	SS-09-070914	N1181-10A	S6B8607.D	07/17/2014
12	SS-10-070914	N1181-11A	S6B8608.D	07/17/2014
13	SS-FD-02-070914	N1181-12A	S6B8619.D	07/17/2014
14	SS-01-070914DL	N1181-01ADL	S6B8620.D	07/17/2014
15	SS-02-070914DL	N1181-02ADL	S6B8621.D	07/17/2014
16	SS-10-070914DL	N1181-11ADL	S6B8622.D	07/17/2014
17	SS-FD-02-070914DL	N1181-12ADL	S6B8623.D	07/17/2014

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256H Date Analyzed: 07/16/2014

Lab File ID (Standard): S6B8579.D Time Analyzed: 17:35

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	269524		4.984		1036479		6.065		706236		7.522	
	UPPER LIMIT	539048		5.484		2072958		6.565		1412472		8.022	
	LOWER LIMIT	134762		4.484		518240		5.565		353118		7.022	
	EPA SAMPLE NO.												
01	MB-78074	229189		4.984		877299		6.059		619443		7.522	
02	LCS-78074	337181		4.984		1262124		6.065		883147		7.528	
03	SS-01-070914	214019		4.984		931298		6.059		785462		7.522	
04	SS-02-070914	200058		4.984		861457		6.065		693836		7.522	
05	SS-03-070914	345990		4.984		1247148		6.065		828165		7.522	
06	SS-04-070914	313559		4.984		1217709		6.065		916013		7.528	
07	SS-FD-01-070914	343941		4.984		1213879		6.065		818691		7.528	
08	SS-05-070914	392117		4.990		1394090		6.065		917103		7.528	
09	SS-06-070914	209219		4.984		818130		6.065		589848		7.522	
10	SS-07-070914	318894		4.984		1119083		6.065		750250		7.528	
11	SS-08-070914	255224		4.984		1024694		6.065		771627		7.528	
12	SS-09-070914	222970		4.984		942691		6.065		725327		7.528	
13	SS-10-070914	258936		4.984		1133419		6.065		888928		7.528	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

EPA Sample No.(SSTD020##) SSTD0256H Date Analyzed: 07/16/2014

Lab File ID (Standard): S6B8579.D Time Analyzed: 17:35

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1583791		8.756		1977677		11.171		1807147		13.515	
	UPPER LIMIT	3167582		9.256		3955354		11.671		3614294		14.015	
	LOWER LIMIT	791896		8.256		988839		10.671		903574		13.015	
	EPA SAMPLE NO.												
01	MB-78074	1333872		8.750		1505227		11.118		1310608		13.445	
02	LCS-78074	1963066		8.756		2259300		11.136		2028106		13.462	
03	SS-01-070914	1871052		8.762		2530487		11.171		2094095		13.539	
04	SS-02-070914	1562984		8.762		1975253		11.142		1709170		13.492	
05	SS-03-070914	1655063		8.762		1794217		11.142		1419090		13.498	
06	SS-04-070914	2123495		8.756		2671925		11.148		2162675		13.504	
07	SS-FD-01-070914	1668954		8.756		1829263		11.136		1470064		13.492	
08	SS-05-070914	1744053		8.756		1562091		11.136		1354799		13.486	
09	SS-06-070914	1351306		8.756		1821726		11.136		1489271		13.486	
10	SS-07-070914	1495864		8.756		1647449		11.142		1325428		13.486	
11	SS-08-070914	1733673		8.762		2065430		11.153		1666403		13.515	
12	SS-09-070914	1684524		8.762		2097112		11.142		1781923		13.498	
13	SS-10-070914	2076046		8.762		2613419		11.165		2193233		13.539	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256J Date Analyzed: 07/17/2014

Lab File ID (Standard): S6B8617.D Time Analyzed: 10:47

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	300662		4.961		1116740		6.036		696827		7.499	
	UPPER LIMIT	601324		5.461		2233480		6.536		1393654		7.999	
	LOWER LIMIT	150331		4.461		558370		5.536		348414		6.999	
	EPA SAMPLE NO.												
01	SS-FD-02-070914	306274		4.961		1001829		6.036		613055		7.499	
02	SS-01-070914DL	312930		4.961		1081009		6.036		700594		7.499	
03	SS-02-070914DL	283527		4.960		968796		6.036		608834		7.499	
04	SS-10-070914DL	311299		4.955		1063149		6.036		703275		7.493	
05	SS-FD-02-070914DL	312652		4.955		1062556		6.036		687342		7.493	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1181 Mod. Ref No.: SDG No.: SN1181

EPA Sample No.(SSTD020##) SSTD0256J Date Analyzed: 07/17/2014

Lab File ID (Standard): S6B8617.D Time Analyzed: 10:47

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1450478		8.733		1526123		11.13		1437269		13.451	
	UPPER LIMIT	2900956		9.233		3052246		11.63		2874538		13.951	
	LOWER LIMIT	725239		8.233		763062		10.63		718635		12.951	
	EPA SAMPLE NO.												
01	SS-FD-02-070914	1140501		8.733		1167731		11.130		1294867		13.468	
02	SS-01-070914DL	1401649		8.733		1525214		11.124		1462227		13.445	
03	SS-02-070914DL	1170326		8.733		1264295		11.124		1270716		13.451	
04	SS-10-070914DL	1390602		8.727		1490140		11.118		1404876		13.439	
05	SS-FD-02-070914DL	1356442		8.727		1486298		11.112		1417308		13.427	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals/ Cyanide *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1181

SW846 6010C, SW846 9012B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test codes: SW846 6010C, SW846 9012B

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3050B
Soil Samples were prepared following procedures in laboratory test code: SW9012B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: LACHAT1
Instrument Type: WC
Description: Flow Injection Analyzer
Manufacturer: Zellweger Analytics
Model: Quik-Chem 8000

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on sample: SS-FD-02-070914 (N1181-12AMS) for Cyanide only.

Percent recoveries were within the QC limits with the following exceptions:

SS-FD-02-070914 (N1181-12AMS), recovery is above criteria for Cyanide at 151% with criteria of (75-125).

D. Post Digestion Spike (PDS):

Post-digestion spike analysis was performed on sample: SS-FD-02-070914 (N1181-12APDS) for Cyanide only.

SS-FD-02-070914 (N1181-12APDS) for Cyanide due to recovery of this element outside of QC limits in the matrix spike.

E. Duplicate sample:

Duplicate analyses were performed on sample: SS-FD-02-070914 (N1181-12ADUP) for Cyanide only.

Relative percent differences were within the QC limits.

F. Serial Dilution (SD):

A serial dilution was not performed on any sample in this SDG.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/22/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-01-070914

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Lab Sample ID: N1181-01

Level (low/med): MED Date Received: 07/10/2014

% Solids: 85.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11500			P
7440-36-0	Antimony	0.53	B		P
7440-38-2	Arsenic	7.8			P
7440-39-3	Barium	261			P
7440-41-7	Beryllium	0.76			P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	60800			P
7440-47-3	Chromium	19.5			P
7440-48-4	Cobalt	4.8			P
7440-50-8	Copper	45.2			P
7439-89-6	Iron	28700			P
7439-92-1	Lead	363			P
7439-95-4	Magnesium	15900			P
7439-96-5	Manganese	713			P
7440-02-0	Nickel	14.1			P
7440-09-7	Potassium	1430			P
7782-49-2	Selenium	3.1			P
7440-22-4	Silver	0.061	U		P
7440-23-5	Sodium	692			P
7440-28-0	Thallium	1.7			P
7440-62-2	Vanadium	21.6			P
7440-66-6	Zinc	370			P
57-12-5	Cyanide	0.55	B	N	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-02-070914

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Lab Sample ID: N1181-02

Level (low/med): MED Date Received: 07/10/2014

% Solids: 84.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11100			P
7440-36-0	Antimony	0.43	U		P
7440-38-2	Arsenic	5.6			P
7440-39-3	Barium	158			P
7440-41-7	Beryllium	0.39			P
7440-43-9	Cadmium	0.92			P
7440-70-2	Calcium	87000			P
7440-47-3	Chromium	15.4			P
7440-48-4	Cobalt	5.9			P
7440-50-8	Copper	22.7			P
7439-89-6	Iron	18200			P
7439-92-1	Lead	124			P
7439-95-4	Magnesium	20600			P
7439-96-5	Manganese	518			P
7440-02-0	Nickel	14.1			P
7440-09-7	Potassium	2100			P
7782-49-2	Selenium	2.6			P
7440-22-4	Silver	0.072	U		P
7440-23-5	Sodium	267			P
7440-28-0	Thallium	1.7			P
7440-62-2	Vanadium	26.9			P
7440-66-6	Zinc	174			P
57-12-5	Cyanide	0.91	B	N	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SS-03-070914

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Lab Sample ID: N1181-03

Level (low/med): MED Date Received: 07/10/2014

% Solids: 81.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8100			P
7440-36-0	Antimony	0.40	U		P
7440-38-2	Arsenic	12.8			P
7440-39-3	Barium	103			P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	10.8			P
7440-70-2	Calcium	44100			P
7440-47-3	Chromium	110			P
7440-48-4	Cobalt	10			P
7440-50-8	Copper	262			P
7439-89-6	Iron	182000			P
7439-92-1	Lead	685			P
7439-95-4	Magnesium	10400			P
7439-96-5	Manganese	4410			P
7440-02-0	Nickel	64.9			P
7440-09-7	Potassium	1080			P
7782-49-2	Selenium	0.69	B		P
7440-22-4	Silver	0.73	B		P
7440-23-5	Sodium	228			P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	26.4			P
7440-66-6	Zinc	1120			P
57-12-5	Cyanide	8.7		N	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SS-04-070914

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Lab Sample ID: N1181-04

Level (low/med): MED Date Received: 07/10/2014

% Solids: 83.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8800			P
7440-36-0	Antimony	2.3			P
7440-38-2	Arsenic	14.0			P
7440-39-3	Barium	102			P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	11.6			P
7440-70-2	Calcium	44700			P
7440-47-3	Chromium	158			P
7440-48-4	Cobalt	10.1			P
7440-50-8	Copper	376			P
7439-89-6	Iron	198000			P
7439-92-1	Lead	699			P
7439-95-4	Magnesium	9070			P
7439-96-5	Manganese	5030			P
7440-02-0	Nickel	66.0			P
7440-09-7	Potassium	1010			P
7782-49-2	Selenium	0.57	U		P
7440-22-4	Silver	0.41	B		P
7440-23-5	Sodium	193			P
7440-28-0	Thallium	2.3			P
7440-62-2	Vanadium	33.1			P
7440-66-6	Zinc	720			P
57-12-5	Cyanide	2.3		N	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-05-070914

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Lab Sample ID: N1181-06

Level (low/med): MED Date Received: 07/10/2014

% Solids: 84.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10700			P
7440-36-0	Antimony	0.30	U		P
7440-38-2	Arsenic	12.9			P
7440-39-3	Barium	127			P
7440-41-7	Beryllium	1.6			P
7440-43-9	Cadmium	9.9			P
7440-70-2	Calcium	52500			P
7440-47-3	Chromium	88.4			P
7440-48-4	Cobalt	10.0			P
7440-50-8	Copper	203			P
7439-89-6	Iron	172000			P
7439-92-1	Lead	425			P
7439-95-4	Magnesium	10800			P
7439-96-5	Manganese	5520			P
7440-02-0	Nickel	48.9			P
7440-09-7	Potassium	1900			P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	0.52	B		P
7440-23-5	Sodium	313			P
7440-28-0	Thallium	1.9			P
7440-62-2	Vanadium	35.3			P
7440-66-6	Zinc	768			P
57-12-5	Cyanide	0.52	U	N	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-06-070914

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Lab Sample ID: N1181-07

Level (low/med): MED Date Received: 07/10/2014

% Solids: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12300			P
7440-36-0	Antimony	0.25	U		P
7440-38-2	Arsenic	12.7			P
7440-39-3	Barium	125			P
7440-41-7	Beryllium	1.8			P
7440-43-9	Cadmium	11.0			P
7440-70-2	Calcium	55700			P
7440-47-3	Chromium	61.2			P
7440-48-4	Cobalt	9.1			P
7440-50-8	Copper	185			P
7439-89-6	Iron	174000			P
7439-92-1	Lead	268			P
7439-95-4	Magnesium	11200			P
7439-96-5	Manganese	5020			P
7440-02-0	Nickel	36.7			P
7440-09-7	Potassium	1750			P
7782-49-2	Selenium	0.41	U		P
7440-22-4	Silver	0.42	B		P
7440-23-5	Sodium	1130			P
7440-28-0	Thallium	2.1			P
7440-62-2	Vanadium	24.0			P
7440-66-6	Zinc	1100			P
57-12-5	Cyanide	6.7		N	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-07-070914

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Lab Sample ID: N1181-08

Level (low/med): MED Date Received: 07/10/2014

% Solids: 82.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10100			P
7440-36-0	Antimony	0.44	U		P
7440-38-2	Arsenic	13.8			P
7440-39-3	Barium	106			P
7440-41-7	Beryllium	1.5			P
7440-43-9	Cadmium	8.5			P
7440-70-2	Calcium	49300			P
7440-47-3	Chromium	75.6			P
7440-48-4	Cobalt	9.2			P
7440-50-8	Copper	204			P
7439-89-6	Iron	164000			P
7439-92-1	Lead	564			P
7439-95-4	Magnesium	11400			P
7439-96-5	Manganese	4440			P
7440-02-0	Nickel	41.1			P
7440-09-7	Potassium	2350			P
7782-49-2	Selenium	1.2	B		P
7440-22-4	Silver	0.87	B		P
7440-23-5	Sodium	274			P
7440-28-0	Thallium	0.42	B		P
7440-62-2	Vanadium	24.7			P
7440-66-6	Zinc	992			P
57-12-5	Cyanide	4.8		N	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-08-070914

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Lab Sample ID: N1181-09

Level (low/med): MED Date Received: 07/10/2014

% Solids: 78.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10400			P
7440-36-0	Antimony	2.0			P
7440-38-2	Arsenic	17.8			P
7440-39-3	Barium	131			P
7440-41-7	Beryllium	2.1			P
7440-43-9	Cadmium	14.9			P
7440-70-2	Calcium	30800			P
7440-47-3	Chromium	79.6			P
7440-48-4	Cobalt	8.1			P
7440-50-8	Copper	149			P
7439-89-6	Iron	183000			P
7439-92-1	Lead	1330			P
7439-95-4	Magnesium	7570			P
7439-96-5	Manganese	3670			P
7440-02-0	Nickel	51.9			P
7440-09-7	Potassium	3110			P
7782-49-2	Selenium	0.52	U		P
7440-22-4	Silver	4.2			P
7440-23-5	Sodium	565			P
7440-28-0	Thallium	2.5			P
7440-62-2	Vanadium	19.9			P
7440-66-6	Zinc	1620			P
57-12-5	Cyanide	16.8		N	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-09-070914

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Lab Sample ID: N1181-10

Level (low/med): MED Date Received: 07/10/2014

% Solids: 85.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8590			P
7440-36-0	Antimony	0.37	U		P
7440-38-2	Arsenic	11.2			P
7440-39-3	Barium	103			P
7440-41-7	Beryllium	1.5			P
7440-43-9	Cadmium	7.0			P
7440-70-2	Calcium	55800			P
7440-47-3	Chromium	53.6			P
7440-48-4	Cobalt	7.4			P
7440-50-8	Copper	170			P
7439-89-6	Iron	141000			P
7439-92-1	Lead	319			P
7439-95-4	Magnesium	12500			P
7439-96-5	Manganese	4100			P
7440-02-0	Nickel	33.3			P
7440-09-7	Potassium	1790			P
7782-49-2	Selenium	0.67	B		P
7440-22-4	Silver	0.51	B		P
7440-23-5	Sodium	244			P
7440-28-0	Thallium	0.36	B		P
7440-62-2	Vanadium	21.1			P
7440-66-6	Zinc	695			P
57-12-5	Cyanide	4.1		N	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-10-070914

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Lab Sample ID: N1181-11

Level (low/med): MED Date Received: 07/10/2014

% Solids: 85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8980			P
7440-36-0	Antimony	1.6			P
7440-38-2	Arsenic	20.6			P
7440-39-3	Barium	559			P
7440-41-7	Beryllium	0.78			P
7440-43-9	Cadmium	5.7			P
7440-70-2	Calcium	67200			P
7440-47-3	Chromium	60.2			P
7440-48-4	Cobalt	8.4			P
7440-50-8	Copper	92.5			P
7439-89-6	Iron	110000			P
7439-92-1	Lead	828			P
7439-95-4	Magnesium	12700			P
7439-96-5	Manganese	2080			P
7440-02-0	Nickel	33.4			P
7440-09-7	Potassium	1330			P
7782-49-2	Selenium	4.0			P
7440-22-4	Silver	0.065	U		P
7440-23-5	Sodium	352			P
7440-28-0	Thallium	2.7			P
7440-62-2	Vanadium	42.1			P
7440-66-6	Zinc	970			P
57-12-5	Cyanide	1.8		N	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-FD-01-070914

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Lab Sample ID: N1181-05

Level (low/med): MED Date Received: 07/10/2014

% Solids: 82.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13200			P
7440-36-0	Antimony	0.96			P
7440-38-2	Arsenic	10.3			P
7440-39-3	Barium	127			P
7440-41-7	Beryllium	2.5			P
7440-43-9	Cadmium	7.7			P
7440-70-2	Calcium	77500			P
7440-47-3	Chromium	102			P
7440-48-4	Cobalt	6.7			P
7440-50-8	Copper	205			P
7439-89-6	Iron	130000			P
7439-92-1	Lead	447			P
7439-95-4	Magnesium	16400			P
7439-96-5	Manganese	4220			P
7440-02-0	Nickel	37.6			P
7440-09-7	Potassium	1380			P
7782-49-2	Selenium	0.52	B		P
7440-22-4	Silver	0.42	B		P
7440-23-5	Sodium	368			P
7440-28-0	Thallium	4.2			P
7440-62-2	Vanadium	25.7			P
7440-66-6	Zinc	555			P
57-12-5	Cyanide	4.2		N	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SS-FD-02-070914

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Lab Sample ID: N1181-12

Level (low/med): MED Date Received: 07/10/2014

% Solids: 84.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8070			P
7440-36-0	Antimony	0.83	B		P
7440-38-2	Arsenic	16.6			P
7440-39-3	Barium	513			P
7440-41-7	Beryllium	0.72			P
7440-43-9	Cadmium	3.6			P
7440-70-2	Calcium	64100			P
7440-47-3	Chromium	44.3			P
7440-48-4	Cobalt	6.7			P
7440-50-8	Copper	83.1			P
7439-89-6	Iron	64600			P
7439-92-1	Lead	650			P
7439-95-4	Magnesium	13900			P
7439-96-5	Manganese	1610			P
7440-02-0	Nickel	29.8			P
7440-09-7	Potassium	1440			P
7782-49-2	Selenium	4.7			P
7440-22-4	Silver	0.19	B		P
7440-23-5	Sodium	289			P
7440-28-0	Thallium	2.7			P
7440-62-2	Vanadium	28.0			P
7440-66-6	Zinc	784			P
57-12-5	Cyanide	0.47	U	N	CA

Comments:

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78044

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide				5.0	5.6		4	6.0	112.0

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78053

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	451.0		364	546.0	99.1
Antimony				22.8	22.9		18.2	27.3	100.4
Arsenic				22.8	23.7		18.2	27.3	103.9
Barium				455.0	467.0		364	546.0	102.6
Beryllium				11.4	11.4		9.1	13.6	100.0
Cadmium				11.4	11.7		9.1	13.6	102.6
Calcium				1135.0	1089.0		908	1362.0	95.9
Chromium				45.5	46.1		36.4	54.6	101.3
Cobalt				113.5	114.0		90.8	136.2	100.4
Copper				56.5	57.4		45.2	67.8	101.6
Iron				227.5	252.4		182	273.0	110.9
Lead				22.8	23.2		18.2	27.3	101.8
Magnesium				1135.0	1151.4		908	1362.0	101.4
Manganese				113.5	117.3		90.8	136.2	103.3
Nickel				113.5	113.5		90.8	136.2	100.0
Potassium				1135.0	1165.2		908	1362.0	102.7
Selenium				22.8	22.0		18.2	27.3	96.5
Silver				56.5	60.2		42.4	67.8	106.5
Sodium				1135.0	1152.6		908	1362.0	101.6
Thallium				22.8	21.6		18.2	27.3	94.7
Vanadium				113.5	114.7		90.8	136.2	101.1
Zinc				113.5	112.2		90.8	136.2	98.9

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78095

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide				5.0	4.8		4	6.0	96.0

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-FD-02-070914S

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 84.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	7.7		0.47	U	5.1	151	N	CA

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-FD-02-070914A

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide		162.55		3.40	U	100.0	163		CA

Comments:

6

DUPLICATES

EPA SAMPLE NO.

SS-FD-02-070914D

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 84.2 % Solids for Duplicate: 84.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cyanide		0.4700	U	0.4600	U			CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78044**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

LACHAT1_140715A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/15/14 9:34	C	07/15/14 10:02	C	07/15/14 10:25	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	0.450	U	CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140715A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/15/14 10:52	C	07/15/14 11:17	C	07/15/14 11:36	C		C	M
Cyanide			7.5	U	7.5	U	7.5	U			CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140715A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/15/14 12:04	C		C		C		C	M
Cyanide			7.5	U							CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78095**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

LACHAT1_140717A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/17/14 12:09	C	07/17/14 12:37	C		C		C	M
Cyanide	7.5	U	7.5	U	7.5	U			0.450	U	CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78053**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_140716B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/16/14 10:14	C	07/16/14 10:51	C	07/16/14 11:32	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	1.728	B	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	0.410	U	P
Barium	1.1	U	2.3	B	1.1	U	1.1	B	0.042	B	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.028	B	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.110	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	8.017	B	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	1.037	B	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.314	B	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.043	U	P
Potassium	87.6	B	76.0	U	106.0	B	86.8	B	8.135	B	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	0.640	U	P
Silver	12.1	B	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	29.0	U	29.0	U	182.0	B	180.5	B	7.064	B	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	0.196	B	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140716B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/16/14 12:15	C	07/16/14 12:53	C	07/16/14 13:33	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			5.8	B	4.3	U	4.3	U			P
Barium			1.1	U	1.1	U	1.1	U			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			67.8	B	31.0	U	31.0	U			P
Lead			5.3	B	5.1	B	6.4	B			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Potassium			91.8	B	110.6	B	135.1	B			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			50.5	B	33.1	B	29.0	U			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			12.8	B	11.1	B	10.9	B			P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1181

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140716B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/16/14 14:06	C	07/16/14 14:40	C		C		C	M
Aluminum			66.0	U	66.0	U					P
Antimony			9.3	U	9.3	U					P
Arsenic			4.3	U	4.3	U					P
Barium			1.1	U	1.1	U					P
Beryllium			0.3	U	0.3	U					P
Cadmium			0.9	U	0.9	U					P
Calcium			110.0	U	110.0	U					P
Chromium			0.6	U	0.6	U					P
Cobalt			0.7	U	0.7	U					P
Copper			3.6	U	3.6	U					P
Iron			31.0	U	31.0	U					P
Lead			4.2	U	4.2	U					P
Magnesium			76.0	U	76.0	U					P
Manganese			10.0	U	10.0	U					P
Nickel			0.8	U	0.8	U					P
Potassium			108.2	B	126.5	B					P
Selenium			12.0	U	12.0	U					P
Silver			6.9	U	6.9	U					P
Sodium			29.0	U	29.0	U					P
Thallium			6.2	U	6.2	U					P
Vanadium			1.1	U	1.1	U					P
Zinc			5.6	B	4.9	U					P

* Wet Chemistry *

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

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/09/14	13:05
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1181				

Laboratory Data

SDG ID: GBG73148
Phoenix ID: BG73148

Project ID: BUFFALO LAKESIDE
Client ID: SS-01-070914

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	7.50	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	235	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is neither in a reducing or an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/09/14	13:15
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1181				

Laboratory Data

SDG ID: GBG73148
Phoenix ID: BG73149

Project ID: BUFFALO LAKESIDE
Client ID: SS-02-070914

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.54	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	216	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is neither in a reducing or an oxidizing state.

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

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July 18, 2014
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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/09/14	13:23
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1181				

Laboratory Data

SDG ID: GBG73148
Phoenix ID: BG73150

Project ID: BUFFALO LAKESIDE
Client ID: SS-03-070914

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.49	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	410	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/09/14	13:30
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1181				

Laboratory Data

SDG ID: GBG73148
Phoenix ID: BG73151

Project ID: BUFFALO LAKESIDE
Client ID: SS-04-070914

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.49	0.49	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.56	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	330	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/09/14	13:30
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1181				

Laboratory Data

SDG ID: GBG73148
Phoenix ID: BG73152

Project ID: BUFFALO LAKESIDE
Client ID: SS-FD-01-070914

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.48	0.48	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.70	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	308	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

Environmental Laboratories, Inc.
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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/09/14	13:40
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1181				

Laboratory Data

SDG ID: GBG73148
Phoenix ID: BG73153

Project ID: BUFFALO LAKESIDE
Client ID: SS-05-070914

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.48	0.48	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.66	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	297	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

Environmental Laboratories, Inc.
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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/09/14	13:45
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1181				

Laboratory Data

SDG ID: GBG73148
Phoenix ID: BG73154

Project ID: BUFFALO LAKESIDE
Client ID: SS-06-070914

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.89	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	386	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/09/14	13:55
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1181				

Laboratory Data

SDG ID: GBG73148
Phoenix ID: BG73155

Project ID: BUFFALO LAKESIDE
Client ID: SS-07-070914

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.48	0.48	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.78	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	349	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/09/14	14:00
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1181				

Laboratory Data

SDG ID: GBG73148
Phoenix ID: BG73156

Project ID: BUFFALO LAKESIDE
Client ID: SS-08-070914

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.51	0.51	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.73	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	364	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/09/14	14:10
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1181				

Laboratory Data

SDG ID: GBG73148
Phoenix ID: BG73157

Project ID: BUFFALO LAKESIDE
Client ID: SS-09-070914

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	8.67	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	366	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/09/14	14:55
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1181				

Laboratory Data

SDG ID: GBG73148
Phoenix ID: BG73158

Project ID: BUFFALO LAKESIDE
Client ID: SS-10-070914

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.48	0.48	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	7.83	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	421	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Ms Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/09/14	14:55
Location Code:	SPECTRUM-RI	Received by:	SW	07/11/14	14:46
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N 1181				

Laboratory Data

SDG ID: GBG73148
Phoenix ID: BG73159

Project ID: BUFFALO LAKESIDE
Client ID: SS-FD-02-070914

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/11/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/15/14 15:55	CL	SW3060/7196
pH - Soil	7.89	0.10	pH Units	07/11/14 21:00	O/EG	4500-H B/9045
Redox Potential	421	1.0	mV	07/11/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

QA/QC Report

July 18, 2014

QA/QC Data

SDG I.D.: GBG73148

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 280009, QC Sample No: BG73178 (BG73148, BG73149, BG73150, BG73151, BG73152, BG73153, BG73154, BG73155, BG73156, BG73157, BG73158, BG73159)													
Hex Chromium - Soil													
Hexavalent Cr	BRL	<10.0%	<0.54	NC	101						70 - 130	30	
Insoluble Cr					92.1			56.0			70 - 130	30	m
Soluble Cr					95.9			0.30			70 - 130	30	m
Comment:													
Soluble spike analyzed twice with similar recoveries.													

m = This parameter is outside laboratory ms/msd specified recovery limits.

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

QA/QC Report

July 18, 2014

QA/QC Data

SDG I.D.: GBG73148

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 279787, QC Sample No: BG73059 (BG73148, BG73149, BG73150, BG73151, BG73152, BG73153, BG73154, BG73155, BG73156, BG73157, BG73158, BG73159)												
pH - Soil		7.43	7.28	2.00	97.4						85 - 115	20

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

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

Phyllis Shiller, Laboratory Director
July 18, 2014

Friday, July 18, 2014

Criteria: None

State: RI

Sample Criteria Exceedences Report

GBG73148 - SPECTRUM-RI

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

*** No Data to Display ***

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

Report Date:
23-Jul-14 14:02

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: N1194
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
N1194-01	SS-11-071014	Soil	10-Jul-14 08:00	11-Jul-14 09:59
N1194-02	SS-12-071014	Soil	10-Jul-14 08:10	11-Jul-14 09:59
N1194-03	SS-13-071014	Soil	10-Jul-14 08:16	11-Jul-14 09:59
N1194-04	SS-14-071014	Soil	10-Jul-14 08:25	11-Jul-14 09:59
N1194-05	SS-15-071014	Soil	10-Jul-14 08:30	11-Jul-14 09:59
N1194-06	SS-16-071014	Soil	10-Jul-14 09:25	11-Jul-14 09:59
N1194-07	SS-17-071014	Soil	10-Jul-14 09:37	11-Jul-14 09:59
N1194-08	SS-18-071014	Soil	10-Jul-14 09:50	11-Jul-14 09:59
N1194-09	SS-19-071014	Soil	10-Jul-14 10:00	11-Jul-14 09:59
N1194-10	SS-20-071014	Soil	10-Jul-14 10:15	11-Jul-14 09:59
N1194-11	GW-TP-01-071014	Aqueous	10-Jul-14 09:50	11-Jul-14 09:59
N1194-12	SS-21-071014	Soil	10-Jul-14 12:05	11-Jul-14 09:59
N1194-13	SS-22-071014	Soil	10-Jul-14 12:15	11-Jul-14 09:59
N1194-14	SS-23-071014	Soil	10-Jul-14 12:20	11-Jul-14 09:59
N1194-15	SS-24-071014	Soil	10-Jul-14 12:30	11-Jul-14 09:59
N1194-16	SS-FD-03-071014	Soil	10-Jul-14 12:30	11-Jul-14 09:59
N1194-17	SS-25-071014	Soil	10-Jul-14 12:50	11-Jul-14 09:59
N1194-18	SS-26-071014	Soil	10-Jul-14 12:55	11-Jul-14 09:59
N1194-19	SS-27-071014	Soil	10-Jul-14 13:28	11-Jul-14 09:59
N1194-20	SS-28-071014	Soil	10-Jul-14 13:35	11-Jul-14 09:59
N1194-21	SS-29-071014	Soil	10-Jul-14 13:50	11-Jul-14 09:59
N1194-22	SS-30-071014	Soil	10-Jul-14 13:58	11-Jul-14 09:59
N1194-23	SS-31-071014	Soil	10-Jul-14 14:02	11-Jul-14 09:59
N1194-24	SS-32-071014	Soil	10-Jul-14 14:12	11-Jul-14 09:59
N1194-25	GW-TP-03-071014	Aqueous	10-Jul-14 14:20	11-Jul-14 09:59
N1194-26	GW-TP-02-071014	Aqueous	10-Jul-14 12:20	11-Jul-14 09:59
N1194-27	FB-01-071014	Aqueous	10-Jul-14 14:30	11-Jul-14 09:59

Report Date:
23-Jul-14 14:02

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: N1194
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1194

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SS-11-071014	N1194-01		SW8270_S		SW6010_S	SEE DATA
SS-12-071014	N1194-02		SW8270_S		SW6010_S	SEE DATA
SS-13-071014	N1194-03		SW8270_S		SW6010_S	SEE DATA
SS-14-071014	N1194-04		SW8270_S		SW6010_S	SEE DATA
SS-15-071014	N1194-05		SW8270_S		SW6010_S	SEE DATA
SS-16-071014	N1194-06		SW8270_S		SW6010_S	SEE DATA
SS-17-071014	N1194-07		SW8270_S		SW6010_S	SEE DATA
SS-18-071014	N1194-08		SW8270_S		SW6010_S	SEE DATA
SS-19-071014	N1194-09		SW8270_S		SW6010_S	SEE DATA
SS-20-071014	N1194-10		SW8270_S		SW6010_S	SEE DATA
GW-TP-01-071014	N1194-11		SW8270_W		SW6010_W	SEE DATA
SS-21-071014	N1194-12		SW8270_S		SW6010_S	SEE DATA
SS-22-071014	N1194-13		SW8270_S		SW6010_S	SEE DATA
SS-23-071014	N1194-14		SW8270_S		SW6010_S	SEE DATA
SS-24-071014	N1194-15		SW8270_S		SW6010_S	SEE DATA
SS-FD-03-071014	N1194-16		SW8270_S		SW6010_S	SEE DATA
SS-25-071014	N1194-17		SW8270_S		SW6010_S	SEE DATA
SS-26-071014	N1194-18		SW8270_S		SW6010_S	SEE DATA
SS-27-071014	N1194-19		SW8270_S		SW6010_S	SEE DATA
SS-28-071014	N1194-20		SW8270_S		SW6010_S	SEE DATA
SS-29-071014	N1194-21		SW8270_S		SW6010_S	SEE DATA
SS-30-071014	N1194-22		SW8270_S		SW6010_S	SEE DATA
SS-31-071014	N1194-23		SW8270_S		SW6010_S	SEE DATA
SS-32-071014	N1194-24		SW8270_S		SW6010_S	SEE DATA
GW-TP-03-071014	N1194-25		SW8270_W		SW6010_W	SEE DATA
GW-TP-02-071014	N1194-26		SW8270_W		SW6010_W	SEE DATA
FB-01-071014	N1194-27		SW8270_W		SW6010_W	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1194

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					
N1194-01A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-01AMS	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-01AMSD	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-02A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-03A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-04A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-05A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-06A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-07A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-08A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-09A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-10A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-12A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-13A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-14A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-14AMS	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-14AMSD	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-15A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-16A	SL	7/10/2014	7/11/2014	7/15/2014	7/17/2014
N1194-17A	SL	7/10/2014	7/11/2014	7/15/2014	7/18/2014
N1194-18A	SL	7/10/2014	7/11/2014	7/15/2014	7/18/2014
N1194-19A	SL	7/10/2014	7/11/2014	7/15/2014	7/18/2014
N1194-20A	SL	7/10/2014	7/11/2014	7/15/2014	7/18/2014
N1194-21A	SL	7/10/2014	7/11/2014	7/15/2014	7/18/2014
N1194-22A	SL	7/10/2014	7/11/2014	7/15/2014	7/18/2014
N1194-23A	SL	7/10/2014	7/11/2014	7/15/2014	7/18/2014
N1194-24A	SL	7/10/2014	7/11/2014	7/15/2014	7/18/2014
SW8270_W					
N1194-11A	AQ	7/10/2014	7/11/2014	7/14/2014	7/17/2014
N1194-25A	AQ	7/10/2014	7/11/2014	7/14/2014	7/17/2014
N1194-26A	AQ	7/10/2014	7/11/2014	7/14/2014	7/17/2014
N1194-27A	AQ	7/10/2014	7/11/2014	7/14/2014	7/17/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1194

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					
N1194-01A	SL	SW8270_S	3550B	NA	1
N1194-01AMS	SL	SW8270_S	3550B	NA	1
N1194-01AMSD	SL	SW8270_S	3550B	NA	1
N1194-02A	SL	SW8270_S	3550B	NA	1
N1194-03A	SL	SW8270_S	3550B	NA	1
N1194-04A	SL	SW8270_S	3550B	NA	1
N1194-05A	SL	SW8270_S	3550B	NA	1
N1194-06A	SL	SW8270_S	3550B	NA	1
N1194-07A	SL	SW8270_S	3550B	NA	1
N1194-08A	SL	SW8270_S	3550B	NA	1
N1194-09A	SL	SW8270_S	3550B	NA	1
N1194-10A	SL	SW8270_S	3550B	NA	1
N1194-12A	SL	SW8270_S	3550B	NA	1
N1194-13A	SL	SW8270_S	3550B	NA	1
N1194-14A	SL	SW8270_S	3550B	NA	1
N1194-14AMS	SL	SW8270_S	3550B	NA	1
N1194-14AMSD	SL	SW8270_S	3550B	NA	1
N1194-15A	SL	SW8270_S	3550B	NA	1
N1194-16A	SL	SW8270_S	3550B	NA	1
N1194-17A	SL	SW8270_S	3550B	NA	1
N1194-18A	SL	SW8270_S	3550B	NA	1
N1194-19A	SL	SW8270_S	3550B	NA	1
N1194-20A	SL	SW8270_S	3550B	NA	1
N1194-21A	SL	SW8270_S	3550B	NA	1
N1194-22A	SL	SW8270_S	3550B	NA	1
N1194-23A	SL	SW8270_S	3550B	NA	1
N1194-24A	SL	SW8270_S	3550B	NA	1
SW8270_W					
N1194-11A	AQ	SW8270_W	3510C	NA	1
N1194-25A	AQ	SW8270_W	3510C	NA	1
N1194-26A	AQ	SW8270_W	3510C	NA	1
N1194-27A	AQ	SW8270_W	3510C	NA	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** N1194

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
N1194-01A	SL	SW6010_S	7/11/2014	7/16/2014
N1194-01ADUP	SL	SW6010_S	7/11/2014	7/16/2014
N1194-01AMS	SL	SW6010_S	7/11/2014	7/16/2014
N1194-02A	SL	SW6010_S	7/11/2014	7/16/2014
N1194-03A	SL	SW6010_S	7/11/2014	7/16/2014
N1194-04A	SL	SW6010_S	7/11/2014	7/16/2014
N1194-05A	SL	SW6010_S	7/11/2014	7/16/2014
N1194-06A	SL	SW6010_S	7/11/2014	7/16/2014
N1194-07A	SL	SW6010_S	7/11/2014	7/16/2014
N1194-08A	SL	SW6010_S	7/11/2014	7/16/2014
N1194-09A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-10A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-12A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-13A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-14A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-14ADUP	SL	SW6010_S	7/11/2014	7/16/2014
N1194-14ADUP	SL	SW6010_S	7/11/2014	7/16/2014
N1194-14ADUP	SL	SW6010_S	7/11/2014	7/17/2014
N1194-14AMS	SL	SW6010_S	7/11/2014	7/16/2014
N1194-15A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-16A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-17A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-18A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-19A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-20A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-21A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-22A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-23A	SL	SW6010_S	7/11/2014	7/17/2014
N1194-24A	SL	SW6010_S	7/11/2014	7/17/2014
SW6010_W				
N1194-11D	AQ	SW6010_W	7/11/2014	7/16/2014
N1194-25D	AQ	SW6010_W	7/11/2014	7/16/2014
N1194-26D	AQ	SW6010_W	7/11/2014	7/16/2014
N1194-27D	AQ	SW6010_W	7/11/2014	7/16/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1194

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/23/14
Fax Due: 07/18/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1194-01A	SS-11-071014	07/10/2014 08:00	07/11/2014	Soil	PMoist	/			Y		P3
N1194-01A	SS-11-071014	07/10/2014 08:00	07/11/2014	Soil	SW6010_S	/			Y		P3
N1194-01A	SS-11-071014	07/10/2014 08:00	07/11/2014	Soil	SW8270_S	/			Y	Y	P3
N1194-01A	SS-11-071014	07/10/2014 08:00	07/11/2014	Soil	SW9012_S	/			Y		P3
N1194-01B	SS-11-071014	07/10/2014 08:00	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix			Y		SUB
N1194-02A	SS-12-071014	07/10/2014 08:10	07/11/2014	Soil	PMoist	/					P3
N1194-02A	SS-12-071014	07/10/2014 08:10	07/11/2014	Soil	SW6010_S	/					P3
N1194-02A	SS-12-071014	07/10/2014 08:10	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-02A	SS-12-071014	07/10/2014 08:10	07/11/2014	Soil	SW9012_S	/					P3
N1194-02B	SS-12-071014	07/10/2014 08:10	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-03A	SS-13-071014	07/10/2014 08:16	07/11/2014	Soil	PMoist	/					P3
N1194-03A	SS-13-071014	07/10/2014 08:16	07/11/2014	Soil	SW6010_S	/					P3
N1194-03A	SS-13-071014	07/10/2014 08:16	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-03A	SS-13-071014	07/10/2014 08:16	07/11/2014	Soil	SW9012_S	/					P3
N1194-03B	SS-13-071014	07/10/2014 08:16	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-04A	SS-14-071014	07/10/2014 08:25	07/11/2014	Soil	PMoist	/					P3
N1194-04A	SS-14-071014	07/10/2014 08:25	07/11/2014	Soil	SW6010_S	/					P3
N1194-04A	SS-14-071014	07/10/2014 08:25	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-04A	SS-14-071014	07/10/2014 08:25	07/11/2014	Soil	SW9012_S	/					P3
N1194-04B	SS-14-071014	07/10/2014 08:25	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-05A	SS-15-071014	07/10/2014 08:30	07/11/2014	Soil	PMoist	/					P3
N1194-05A	SS-15-071014	07/10/2014 08:30	07/11/2014	Soil	SW6010_S	/					P3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1194

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/23/14
Fax Due: 07/18/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1194-05A	SS-15-071014	07/10/2014 08:30	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-05A	SS-15-071014	07/10/2014 08:30	07/11/2014	Soil	SW9012_S	/					P3
N1194-05B	SS-15-071014	07/10/2014 08:30	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-06A	SS-16-071014	07/10/2014 09:25	07/11/2014	Soil	PMoist	/					P3
N1194-06A	SS-16-071014	07/10/2014 09:25	07/11/2014	Soil	SW6010_S	/					P3
N1194-06A	SS-16-071014	07/10/2014 09:25	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-06A	SS-16-071014	07/10/2014 09:25	07/11/2014	Soil	SW9012_S	/					P3
N1194-06B	SS-16-071014	07/10/2014 09:25	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-07A	SS-17-071014	07/10/2014 09:37	07/11/2014	Soil	PMoist	/					P3
N1194-07A	SS-17-071014	07/10/2014 09:37	07/11/2014	Soil	SW6010_S	/					P3
N1194-07A	SS-17-071014	07/10/2014 09:37	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-07A	SS-17-071014	07/10/2014 09:37	07/11/2014	Soil	SW9012_S	/					P3
N1194-07B	SS-17-071014	07/10/2014 09:37	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-08A	SS-18-071014	07/10/2014 09:50	07/11/2014	Soil	PMoist	/					P3
N1194-08A	SS-18-071014	07/10/2014 09:50	07/11/2014	Soil	SW6010_S	/					P3
N1194-08A	SS-18-071014	07/10/2014 09:50	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-08A	SS-18-071014	07/10/2014 09:50	07/11/2014	Soil	SW9012_S	/					P3
N1194-08B	SS-18-071014	07/10/2014 09:50	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-09A	SS-19-071014	07/10/2014 10:00	07/11/2014	Soil	PMoist	/					P3
N1194-09A	SS-19-071014	07/10/2014 10:00	07/11/2014	Soil	SW6010_S	/					P3
N1194-09A	SS-19-071014	07/10/2014 10:00	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-09A	SS-19-071014	07/10/2014 10:00	07/11/2014	Soil	SW9012_S	/					P3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1194

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/23/14
Fax Due: 07/18/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1194-09B	SS-19-071014	07/10/2014 10:00	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-10A	SS-20-071014	07/10/2014 10:15	07/11/2014	Soil	PMoist	/					P3
N1194-10A	SS-20-071014	07/10/2014 10:15	07/11/2014	Soil	SW6010_S	/					P3
N1194-10A	SS-20-071014	07/10/2014 10:15	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-10A	SS-20-071014	07/10/2014 10:15	07/11/2014	Soil	SW9012_S	/					P3
N1194-10B	SS-20-071014	07/10/2014 10:15	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-11A	GW-TP-01-071014	07/10/2014 09:50	07/11/2014	Aqueous	SW8270_W	/				Y	P3
N1194-11B	GW-TP-01-071014	07/10/2014 09:50	07/11/2014	Aqueous	SM3500_CR+	/					P3
N1194-11C	GW-TP-01-071014	07/10/2014 09:50	07/11/2014	Aqueous	SW9012_W	/					P3
N1194-11D	GW-TP-01-071014	07/10/2014 09:50	07/11/2014	Aqueous	SW6010_W	/					M4
N1194-12A	SS-21-071014	07/10/2014 12:05	07/11/2014	Soil	PMoist	/					P3
N1194-12A	SS-21-071014	07/10/2014 12:05	07/11/2014	Soil	SW6010_S	/					P3
N1194-12A	SS-21-071014	07/10/2014 12:05	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-12A	SS-21-071014	07/10/2014 12:05	07/11/2014	Soil	SW9012_S	/					P3
N1194-12B	SS-21-071014	07/10/2014 12:05	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-13A	SS-22-071014	07/10/2014 12:15	07/11/2014	Soil	PMoist	/					P3
N1194-13A	SS-22-071014	07/10/2014 12:15	07/11/2014	Soil	SW6010_S	/					P3
N1194-13A	SS-22-071014	07/10/2014 12:15	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-13A	SS-22-071014	07/10/2014 12:15	07/11/2014	Soil	SW9012_S	/					P3
N1194-13B	SS-22-071014	07/10/2014 12:15	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-14A	SS-23-071014	07/10/2014 12:20	07/11/2014	Soil	PMoist	/			Y		P3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1194

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/23/14
Fax Due: 07/18/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1194-14A	SS-23-071014	07/10/2014 12:20	07/11/2014	Soil	SW6010_S	/			Y		P3
N1194-14A	SS-23-071014	07/10/2014 12:20	07/11/2014	Soil	SW8270_S	/			Y	Y	P3
N1194-14A	SS-23-071014	07/10/2014 12:20	07/11/2014	Soil	SW9012_S	/			Y		P3
N1194-14B	SS-23-071014	07/10/2014 12:20	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix			Y		SUB
N1194-15A	SS-24-071014	07/10/2014 12:30	07/11/2014	Soil	PMoist	/					P3
N1194-15A	SS-24-071014	07/10/2014 12:30	07/11/2014	Soil	SW6010_S	/					P3
N1194-15A	SS-24-071014	07/10/2014 12:30	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-15A	SS-24-071014	07/10/2014 12:30	07/11/2014	Soil	SW9012_S	/					P3
N1194-15B	SS-24-071014	07/10/2014 12:30	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-16A	SS-FD-03-071014	07/10/2014 12:30	07/11/2014	Soil	PMoist	/					P3
N1194-16A	SS-FD-03-071014	07/10/2014 12:30	07/11/2014	Soil	SW6010_S	/					P3
N1194-16A	SS-FD-03-071014	07/10/2014 12:30	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-16A	SS-FD-03-071014	07/10/2014 12:30	07/11/2014	Soil	SW9012_S	/					P3
N1194-16B	SS-FD-03-071014	07/10/2014 12:30	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-17A	SS-25-071014	07/10/2014 12:50	07/11/2014	Soil	PMoist	/					P3
N1194-17A	SS-25-071014	07/10/2014 12:50	07/11/2014	Soil	SW6010_S	/					P3
N1194-17A	SS-25-071014	07/10/2014 12:50	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-17A	SS-25-071014	07/10/2014 12:50	07/11/2014	Soil	SW9012_S	/					P3
N1194-17B	SS-25-071014	07/10/2014 12:50	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-18A	SS-26-071014	07/10/2014 12:55	07/11/2014	Soil	PMoist	/					P3
N1194-18A	SS-26-071014	07/10/2014 12:55	07/11/2014	Soil	SW6010_S	/					P3
N1194-18A	SS-26-071014	07/10/2014 12:55	07/11/2014	Soil	SW8270_S	/				Y	P3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1194

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/23/14
Fax Due: 07/18/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1194-18A	SS-26-071014	07/10/2014 12:55	07/11/2014	Soil	SW9012_S	/					P3
N1194-18B	SS-26-071014	07/10/2014 12:55	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-19A	SS-27-071014	07/10/2014 13:28	07/11/2014	Soil	PMoist	/					P3
N1194-19A	SS-27-071014	07/10/2014 13:28	07/11/2014	Soil	SW6010_S	/					P3
N1194-19A	SS-27-071014	07/10/2014 13:28	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-19A	SS-27-071014	07/10/2014 13:28	07/11/2014	Soil	SW9012_S	/					P3
N1194-19B	SS-27-071014	07/10/2014 13:28	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-20A	SS-28-071014	07/10/2014 13:35	07/11/2014	Soil	PMoist	/					P3
N1194-20A	SS-28-071014	07/10/2014 13:35	07/11/2014	Soil	SW6010_S	/					P3
N1194-20A	SS-28-071014	07/10/2014 13:35	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-20A	SS-28-071014	07/10/2014 13:35	07/11/2014	Soil	SW9012_S	/					P3
N1194-20B	SS-28-071014	07/10/2014 13:35	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-21A	SS-29-071014	07/10/2014 13:50	07/11/2014	Soil	PMoist	/					P3
N1194-21A	SS-29-071014	07/10/2014 13:50	07/11/2014	Soil	SW6010_S	/					P3
N1194-21A	SS-29-071014	07/10/2014 13:50	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-21A	SS-29-071014	07/10/2014 13:50	07/11/2014	Soil	SW9012_S	/					P3
N1194-21B	SS-29-071014	07/10/2014 13:50	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-22A	SS-30-071014	07/10/2014 13:58	07/11/2014	Soil	PMoist	/					P3
N1194-22A	SS-30-071014	07/10/2014 13:58	07/11/2014	Soil	SW6010_S	/					P3
N1194-22A	SS-30-071014	07/10/2014 13:58	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-22A	SS-30-071014	07/10/2014 13:58	07/11/2014	Soil	SW9012_S	/					P3
N1194-22B	SS-30-071014	07/10/2014 13:58	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1194

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/23/14
Fax Due: 07/18/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1194-23A	SS-31-071014	07/10/2014 14:02	07/11/2014	Soil	PMoist	/					P3
N1194-23A	SS-31-071014	07/10/2014 14:02	07/11/2014	Soil	SW6010_S	/					P3
N1194-23A	SS-31-071014	07/10/2014 14:02	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-23A	SS-31-071014	07/10/2014 14:02	07/11/2014	Soil	SW9012_S	/					P3
N1194-23B	SS-31-071014	07/10/2014 14:02	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-24A	SS-32-071014	07/10/2014 14:12	07/11/2014	Soil	PMoist	/					P3
N1194-24A	SS-32-071014	07/10/2014 14:12	07/11/2014	Soil	SW6010_S	/					P3
N1194-24A	SS-32-071014	07/10/2014 14:12	07/11/2014	Soil	SW8270_S	/				Y	P3
N1194-24A	SS-32-071014	07/10/2014 14:12	07/11/2014	Soil	SW9012_S	/					P3
N1194-24B	SS-32-071014	07/10/2014 14:12	07/11/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1194-25A	GW-TP-03-071014	07/10/2014 14:20	07/11/2014	Aqueous	SW8270_W	/				Y	P3
N1194-25B	GW-TP-03-071014	07/10/2014 14:20	07/11/2014	Aqueous	SM3500_CR+	/					P3
N1194-25C	GW-TP-03-071014	07/10/2014 14:20	07/11/2014	Aqueous	SW9012_W	/					P3
N1194-25D	GW-TP-03-071014	07/10/2014 14:20	07/11/2014	Aqueous	SW6010_W	/					M4
N1194-26A	GW-TP-02-071014	07/10/2014 12:20	07/11/2014	Aqueous	SW8270_W	/				Y	P3
N1194-26B	GW-TP-02-071014	07/10/2014 12:20	07/11/2014	Aqueous	SM3500_CR+	/					P3
N1194-26C	GW-TP-02-071014	07/10/2014 12:20	07/11/2014	Aqueous	SW9012_W	/					P3
N1194-26D	GW-TP-02-071014	07/10/2014 12:20	07/11/2014	Aqueous	SW6010_W	/					M4
N1194-27A	FB-01-071014	07/10/2014 14:30	07/11/2014	Aqueous	SW8270_W	/				Y	P3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1194

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/23/14
Fax Due: 07/18/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1194-27B	FB-01-071014	07/10/2014 14:30	07/11/2014	Aqueous	SM3500_CR+	/					P3
N1194-27C	FB-01-071014	07/10/2014 14:30	07/11/2014	Aqueous	SW9012_W	/					P3
N1194-27D	FB-01-071014	07/10/2014 14:30	07/11/2014	Aqueous	SW6010_W	/					M4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Sample Transmittal Documentation

N1194

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith
Telephone #: 315-752-4500
Project Mgr: Amy Lewis

Invoice To: CDM Smith
P.O No.: _____ Quote/RQN: _____

Project No: BLCP
Site Name: _____
Location: Buffalo State: NY
Sampler(s): MR, KL, CL

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

N1194 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Total CN	List Preservative Code below: Total Metals	SVOCs	Pest. Chlorinated	MS/MSD	Check if chlorinated
01	SS-11-071014	7/10/14	8:00		SO		2			X	X	X	X	X	☐
02	SS-12-071014	7/10/14	8:10		SO		2			X	X	X	X		☐
03	SS-13-071014	7/10/14	8:16		SO		2			X	X	X	X		☐
04	SS-14-071014	7/10/14	8:25		SO		2			X	X	X	X		☐
05	SS-15-071014	7/10/14	8:30		SO		2			X	X	X	X		☐
06	SS-16-071014	7/10/14	9:25		SO		2			X	X	X	X		☐
07	SS-17-071014	7/10/14	9:37		SO		2			X	X	X	X		☐
08	SS-18-071014	7/10/14	9:50		SO		2			X	X	X	X		☐
09	SS-19-071014	7/10/14	10:00		SO		2			X	X	X	X		☐
10	SS-20-071014	7/10/14	10:15		SO		2			X	X	X	X		☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	Fedex	7/10/14	11:00	Observed
Fedex	[signature]	7/11/14	9:59	Correction Factor 3.5 1.9 3.5
				Corrected
				IR ID #

☑ EDD format: NYSDEC
☐ E-mail to: PicunesAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

N1194

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 1 WEEK

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Amy Picunas
CDM Smith
11 British American Blvd
Latham, NY 12110
Telephone #: 518-782-4500
Project Mgr: H. Dudek

Invoice To: CDM Smith

P.O No.: _____ Quote/RQN: _____

Project No: 915193
Site Name: BUFFALO LAKESIDE COMMERCE PARK
Location: BUFFALO State: NY
Sampler(s): A. RILEY L. ESTRADA, K. REEPMEYER

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

N1194 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis:								Check if chlorinated
										List Preservative Code below:								
										5	4							
										C2	TAL METALS 6010	SVOCS 8270	HEX. CHROM. 218.6					
11	GW-TP-01-071014	7/10/14	0950	G	GW		1		3	1	1	1	1					☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☑ No
CT DPH RCP Report? ☐ Yes ☑ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	Fedex	7/10/14	11:00	Observed
Fedex	[signature]	7/11/14	9:59	Correction Factor 0.7 0.5
				Corrected
				IR ID #

☑ EDD format: NYSDEC
☑ E-mail to: PicunasAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Page 10 of 1005

N1194

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☑ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith
Telephone #: 518 782-4500
Project Mgr: Amy Picunas

Invoice To: CDM Smith
P.O No.: _____ Quote/RQN: _____

Project No: BCP
Site Name: _____
Location: Buffalo State: NY
Sampler(s): AK, KRLE

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

N1194 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Total CN	TAL metals	Hex. Chromium	SVOC 8270	MS/MSD					Check if chlorinated
12	SS-21-071014	7/10/14	1205		SO		2			X	X	X	X						☐
13	SS-22-071014	7/10/14	1215		SO		2			X	X	X	X						☐
14	SS-23-071014	7/10/14	1220		SO		6			X	X	X	X	X					☐
15	SS-24-071014	7/10/14	1230		SO		2			X	X	X	X						☐
16	SS-FD-03-071014	7/10/14	1230		SO		2			X	X	X	X						☐
17	SS-25-071014	7/10/14	1250		SO		2			X	X	X	X						☐
18	SS-26-071014	7/10/14	1255		SO		2			X	X	X	X						☐
19	SS-27-071014	7/10/14	1328		SO		2			X	X	X	X						☐
20	SS-28-071014	7/10/14	1335		SO		2			X	X	X	X						☐
21	SS-29-071014	7/10/14	1350		SO		2			X	X	X	X						☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	Fedex	7/10/14	1336	Observed
Fedex	[signature]	7/11/14	9:59	Correction Factor 1.5 3.5
				Corrected
				IR ID #

☑ EDD format: NYSDEC
☐ E-mail to: PICUNASAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

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N1194

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days

☒ Rush TAT - Date Needed: 1 week

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: CDM Smith

Invoice To: CDM Smith

Project No: BLCP

Site Name:

Location: Buffalo State: NY

Telephone #: 518-782-4500

Project Mgr: Amy Picunas

P.O No.: Quote/RQN:

Sampler(s): AR, KR, LE

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

N1194 G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Containers: Total CN	Analysis: TAL metals	Hex. Chromium	SVOCs	Check if chlorinated
22	SS-30-071014	7/10/14	1358	-	SO		2			X	X	X	X	☐
23	SS-31-071014	7/10/14	1402		SO		2			X	X	X	X	☐
24	SS-32-071014	7/10/14	1412		SO		2			X	X	X	X	☐
25	GW-TP-03-071014	7/10/14	1420		GW		1		3	X	X	X	X	☐
26	GW-TP-02-071014	7/10/14	1220		GW		1		3	X	X	X	X	☐
27	FB-01-071014	7/10/14	1430		GW		1		3	X	X	X	X	☐
														☐
														☐
														☐
														☐

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	Fedex	7/10/14	1530	Observed
Fedex	[signature]	7/11/14	9:59	Correction Factor 4.5 1.3 3.5
				Corrected
				IR ID #

☒ EDD format: NYSDEC
☐ E-mail to: picunasAE@cdmsmith.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

Received By: KT	Page 01 of 01
Reviewed By: WL	Log-in Date 07/11/2014
Work Order: N1194	Client Name: CDM-Smith, Inc.
Project Name/Event: Buffalo Lakeside	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s) — Present / Absent
   Intact / Broken
2. Custody Seal Nos. N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists — Present / Absent
4. Airbill — AirBill / Sticker
   Present / Absent
5. Airbill No. FedEx 7704 9371 8840
6. Sample Tags — Present / Absent
   Sample Tag Numbers — Listed / Not Listed on Chain-of-Custody
7. Sample Condition — Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle — Present / Absent
9. Cooler Temperature: 4.3 °C
   1.9, 3.5
10. Does information on TR/COCs and sample tags agree? — Yes / No
11. Date Received at Laboratory: 07/11/2014
12. Time Received: 09:59

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
N1194-01							
N1194-02							
N1194-03							
N1194-04							
N1194-05							
N1194-06							
N1194-07							
N1194-08							
N1194-09							
N1194-10							
N1194-11	<2			>12			
N1194-12							
N1194-13							
N1194-14							
N1194-15							
N1194-16							
N1194-17							
N1194-18							
N1194-19							
N1194-20							
N1194-21							
N1194-22							
N1194-23							
N1194-24							
N1194-25	<2			>12			
N1194-26	<2			>12			
N1194-27	<2			>12			

Sample Transfer

Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form — Yes / No

Rad OK — Yes / No

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1194

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C
Soil Samples were prepared following procedures in laboratory test code: SW3550B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S6
Instrument Type: GCMS-Semi
Description: HP7890A
Manufacturer: Agilent
Model: 7890A/5973
GC Column used: 30 m X 0.25 mm ID [0.25 um thickness] Rxi-5sil MS capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

FB-01-071014 (N1194-27A), recovery is above criteria for Nitrobenzene-d5 at 111% with criteria of (40-110).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on samples: SS-11-071014 (N1194-01AMS), SS-11-071014 (N1194-01AMSD), SS-23-071014 (N1194-14AMS) and SS-23-071014 (N1194-14AMSD).

Percent recoveries were within the QC limits.

Replicate RPDs were within the advisory QC limits.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

Manual integrations were performed on the following:

SS-14-071014 (N1194-04A) Dibenzo(a,h)anthracene due to M6

SS-15-071014 (N1194-05A) Dibenzo(a,h)anthracene due to M6

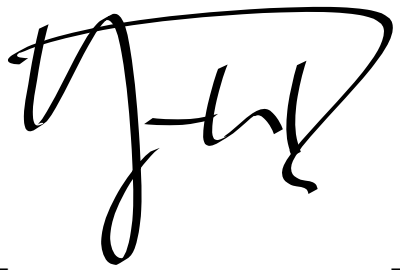
SS-17-071014 (N1194-07A) Dibenzo(a,h)anthracene due to M6

SS-20-071014 (N1194-10A) Dibenzo(a,h)anthracene due to M6

SS-FD-03-071014 (N1194-16A) Dibenzo(a,h)anthracene due to M6

SS-27-071014 (N1194-19A) Dibenzo(a,h)anthracene due to M6

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____7/22/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78060	72	66	72	63	59	69			0
02	LCS-78060	73	66	72	65	61	70			0
03	GW-TP-01-071014	103	98	63	17	29	99			0
04	GW-TP-03-071014	102	97	72	15	25	84			0
05	GW-TP-02-071014	98	94	61	16	24	86			0
06	FB-01-071014	111 *	103	97	17	30	104			1

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(40-110)
SDMC2	(FBP) = 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH) = Terphenyl-d14	(50-135)
SDMC4	(PHL) = Phenol-d5	(10-115)
SDMC5	(2FP) = 2-Fluorophenol	(20-110)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78074	87	79	86	86	85	81			0
02	LCS-78074	86	80	85	83	83	83			0
03	SS-11-071014	81	78	84	67	70	78			0
04	SS-11-071014 MS	87	86	88	70	71	89			0
05	SS-11-071014 MSD	94	94	92	81	82	94			0
06	SS-12-071014	90	88	86	73	75	90			0
07	SS-13-071014	94	92	92	76	78	90			0
08	SS-14-071014	89	89	83	73	74	85			0
09	SS-15-071014	87	87	84	71	71	81			0
10	SS-16-071014	86	83	86	70	72	86			0
11	SS-17-071014	93	91	82	76	80	91			0
12	SS-18-071014	87	84	81	71	73	83			0
13	SS-19-071014	72	74	72	60	62	72			0
14	SS-20-071014	77	78	72	63	65	77			0
15	SS-21-071014	82	82	75	67	70	79			0
16	SS-22-071014	73	72	67	60	64	70			0
17	SS-23-071014	80	79	74	65	68	75			0
18	SS-23-071014 MS	73	70	66	59	63	65			0
19	SS-23-071014 MSD	82	78	72	68	69	78			0
20	SS-24-071014	75	73	69	62	64	70			0
21	SS-FD-03-071014	79	78	73	63	66	71			0
22	MB-78076	74	70	77	62	64	72			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
23	LCS-78076	79	73	80	65	65	73			0
24	SS-25-071014	76	75	75	65	66	72			0
25	SS-26-071014	78	74	81	65	66	71			0
26	SS-27-071014	71	70	75	61	62	68			0
27	SS-28-071014	69	64	64	57	60	63			0
28	SS-29-071014	54	54	55	45	46	51			0
29	SS-30-071014	66	63	68	54	57	60			0
30	SS-31-071014	79	76	80	65	66	75			0
31	SS-32-071014	81	76	85	68	71	77			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix Spike - EPA Sample No.: SS-11-071014

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS %REC	#	QC. LIMITS REC.
Phenol	3863.3598	0.0000	3034.6358	79		40-100
2-Methylphenol	3863.3598	0.0000	2825.9770	73		40-105
4-Methylphenol	3863.3598	0.0000	2903.4482	75		40-105
Naphthalene	3863.3598	79.1242	3329.1769	84		40-105
Acenaphthylene	3863.3598	96.5512	3392.7547	85		45-105
Acenaphthene	3863.3598	120.6875	3345.2326	83		45-110
Fluorene	3863.3598	0.0000	3363.8515	87		50-110
Pentachlorophenol	3863.3598	0.0000	2746.6515	71		25-120
Phenanthrene	3863.3598	418.6403	3770.8844	87		50-110
Anthracene	3863.3598	156.5120	3482.9997	86		55-105
Fluoranthene	3863.3598	1004.3134	4188.1236	82		55-115
Pyrene	3863.3598	1075.7246	4250.8545	82		45-125
Benzo(a)anthracene	3863.3598	995.9709	4468.7507	90		50-110
Chrysene	3863.3598	1156.6782	4402.5932	84		55-110
Benzo(b)fluoranthene	3863.3598	1908.2836	5024.7323	81		45-115
Benzo(k)fluoranthene	3863.3598	769.3915	4181.4495	88		45-125
Benzo(a)pyrene	3863.3598	1491.3093	4784.4507	85		50-110
Indeno(1,2,3-cd)pyrene	3863.3598	1548.3610	5313.0785	97		40-120
Dibenzo(a,h)anthracene	3863.3598	362.5646	4245.5321	101		40-125
Benzo(g,h,i)perylene	3863.3598	1554.1060	5366.2809	99		40-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	3863.3598	3353.6765	87		10		0-40	40-100
2-Methylphenol	3863.3598	3165.8287	82		11		0-40	40-105
4-Methylphenol	3863.3598	3275.8001	85		12		0-40	40-105
Naphthalene	3863.3598	3757.7630	95		12		0-40	40-105
Acenaphthylene	3863.3598	3767.7179	95		11		0-40	45-105
Acenaphthene	3863.3598	3742.8648	94		12		0-40	45-110
Fluorene	3863.3598	3734.8138	97		10		0-40	50-110
Pentachlorophenol	3863.3598	2700.3235	70		2		0-40	25-120
Phenanthrene	3863.3598	4120.1135	96		10		0-40	50-110
Anthracene	3863.3598	3833.8557	95		10		0-40	55-105
Fluoranthene	3863.3598	4868.3614	100		19		0-40	55-115
Pyrene	3863.3598	4518.7256	89		8		0-40	45-125
Benzo(a)anthracene	3863.3598	4981.0121	103		14		0-40	50-110
Chrysene	3863.3598	5125.1008	103		20		0-40	55-110
Benzo(b)fluoranthene	3863.3598	5981.6887	105		27		0-40	45-115
Benzo(k)fluoranthene	3863.3598	4563.4431	98		11		0-40	45-125
Benzo(a)pyrene	3863.3598	5427.4534	102		18		0-40	50-110
Indeno(1,2,3-cd)pyrene	3863.3598	5958.5100	114		16		0-40	40-120
Dibenzo(a,h)anthracene	3863.3598	4540.3724	108		7		0-40	40-125
Benzo(g,h,i)perylene	3863.3598	5836.2096	111		12		0-40	40-125

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix Spike - EPA Sample No.: SS-11-071014

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

COMMENTS:

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix Spike - EPA Sample No.: SS-23-071014

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS %REC	#	QC. LIMITS REC.
Phenol	3721.7120	0.0000	2377.9039	64		40-100
2-Methylphenol	3721.7120	0.0000	2303.0771	62		40-105
4-Methylphenol	3721.7120	0.0000	2291.9661	62		40-105
Naphthalene	3721.7120	0.0000	2777.4314	75		40-105
Acenaphthylene	3721.7120	0.0000	2627.5733	71		45-105
Acenaphthene	3721.7120	0.0000	2616.4054	70		45-110
Fluorene	3721.7120	0.0000	2552.9403	69		50-110
Pentachlorophenol	3721.7120	0.0000	1922.8214	52		25-120
Phenanthrene	3721.7120	170.0328	2686.5048	68		50-110
Anthracene	3721.7120	0.0000	2548.3267	68		55-105
Fluoranthene	3721.7120	343.0220	2803.5961	66		55-115
Pyrene	3721.7120	299.1530	2723.8930	65		45-125
Benzo(a)anthracene	3721.7120	331.9585	2923.0979	70		50-110
Chrysene	3721.7120	422.5102	2954.5230	68		55-110
Benzo(b)fluoranthene	3721.7120	827.6018	3247.8520	65		45-115
Benzo(k)fluoranthene	3721.7120	270.6947	2779.4029	67		45-125
Benzo(a)pyrene	3721.7120	543.0870	3125.8884	69		50-110
Indeno(1,2,3-cd)pyrene	3721.7120	630.4278	3354.2473	73		40-120
Dibenzo(a,h)anthracene	3721.7120	0.0000	2886.4587	78		40-125
Benzo(g,h,i)perylene	3721.7120	643.5502	3368.2438	73		40-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	3721.7120	2629.1380	71		10		0-40	40-100
2-Methylphenol	3721.7120	2550.4860	69		10		0-40	40-105
4-Methylphenol	3721.7120	2617.2760	70		13		0-40	40-105
Naphthalene	3721.7120	3060.8805	82		10		0-40	40-105
Acenaphthylene	3721.7120	2957.9760	79		12		0-40	45-105
Acenaphthene	3721.7120	2979.0559	80		13		0-40	45-110
Fluorene	3721.7120	2937.6686	79		14		0-40	50-110
Pentachlorophenol	3721.7120	2308.3686	62		18		0-40	25-120
Phenanthrene	3721.7120	3201.1898	81		19		0-40	50-110
Anthracene	3721.7120	2992.3536	80		16		0-40	55-105
Fluoranthene	3721.7120	3508.9350	85		25		0-40	55-115
Pyrene	3721.7120	3097.5655	75		14		0-40	45-125
Benzo(a)anthracene	3721.7120	3576.4184	87		22		0-40	50-110
Chrysene	3721.7120	3513.6329	83		20		0-40	55-110
Benzo(b)fluoranthene	3721.7120	4005.1271	85		27		0-40	45-115
Benzo(k)fluoranthene	3721.7120	3267.8129	81		18		0-40	45-125
Benzo(a)pyrene	3721.7120	3700.0397	85		20		0-40	50-110
Indeno(1,2,3-cd)pyrene	3721.7120	4008.0039	91		21		0-40	40-120
Dibenzo(a,h)anthracene	3721.7120	3459.6046	93		18		0-40	40-125
Benzo(g,h,i)perylene	3721.7120	3922.2966	88		18		0-40	40-125

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix Spike - EPA Sample No.: SS-23-071014

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78060

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Lab Sample ID: LCS-78060 LCS Lot No.: A0101343

Date Extracted: 07/14/2014 Date Analyzed (1): 07/15/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	34.4927	69		0 - 115
2-Methylphenol	50.0000	0.0000	34.5486	69		40 - 110
4-Methylphenol	50.0000	0.0000	34.4654	69		30 - 110
Naphthalene	50.0000	0.0000	36.0739	72		40 - 100
Acenaphthylene	50.0000	0.0000	34.2783	69		50 - 105
Acenaphthene	50.0000	0.0000	33.8156	68		45 - 110
Fluorene	50.0000	0.0000	35.4568	71		50 - 110
Pentachlorophenol	50.0000	0.0000	34.9250	70		40 - 115
Phenanthrene	50.0000	0.0000	34.1404	68		50 - 115
Anthracene	50.0000	0.0000	34.3667	69		55 - 110
Fluoranthene	50.0000	0.0000	36.7111	73		55 - 115
Pyrene	50.0000	0.0000	34.4754	69		50 - 130
Benzo(a)anthracene	50.0000	0.0000	35.8792	72		55 - 110
Chrysene	50.0000	0.0000	35.1334	70		55 - 110
Benzo(b)fluoranthene	50.0000	0.0000	37.3106	75		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	36.1036	72		45 - 125
Benzo(a)pyrene	50.0000	0.0000	35.7178	71		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	31.6759	63		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	33.1149	66		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	30.6876	61		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78074

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Lab Sample ID: LCS-78074 LCS Lot No.: A0100278

Date Extracted: 07/15/2014 Date Analyzed (1): 07/16/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2959.1951	89		40 - 100
2-Methylphenol	3333.0000	0.0000	2890.1384	87		40 - 105
4-Methylphenol	3333.0000	0.0000	2860.7273	86		40 - 105
Naphthalene	3333.0000	0.0000	2777.9250	83		40 - 105
Acenaphthylene	3333.0000	0.0000	2718.4549	82		45 - 105
Acenaphthene	3333.0000	0.0000	2684.7581	81		45 - 110
Fluorene	3333.0000	0.0000	2818.5601	85		50 - 110
Pentachlorophenol	3333.0000	0.0000	2586.3339	78		25 - 120
Phenanthrene	3333.0000	0.0000	2728.7166	82		50 - 110
Anthracene	3333.0000	0.0000	2698.8422	81		55 - 105
Fluoranthene	3333.0000	0.0000	2977.4297	89		55 - 115
Pyrene	3333.0000	0.0000	2685.6577	81		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2800.9624	84		50 - 110
Chrysene	3333.0000	0.0000	2813.7765	84		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2963.8565	89		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2866.7819	86		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2911.6893	87		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	2894.1325	87		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2911.4704	87		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	2877.3963	86		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78076

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Lab Sample ID: LCS-78076 LCS Lot No.: A0100278

Date Extracted: 07/15/2014 Date Analyzed (1): 07/18/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2310.4473	69		40 - 100
2-Methylphenol	3333.0000	0.0000	2239.0595	67		40 - 105
4-Methylphenol	3333.0000	0.0000	2256.2489	68		40 - 105
Naphthalene	3333.0000	0.0000	2493.6653	75		40 - 105
Acenaphthylene	3333.0000	0.0000	2405.3389	72		45 - 105
Acenaphthene	3333.0000	0.0000	2363.6199	71		45 - 110
Fluorene	3333.0000	0.0000	2377.4447	71		50 - 110
Pentachlorophenol	3333.0000	0.0000	1952.6547	59		25 - 120
Phenanthrene	3333.0000	0.0000	2390.7805	72		50 - 110
Anthracene	3333.0000	0.0000	2371.9917	71		55 - 105
Fluoranthene	3333.0000	0.0000	2391.2431	72		55 - 115
Pyrene	3333.0000	0.0000	2584.2495	78		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2468.5299	74		50 - 110
Chrysene	3333.0000	0.0000	2458.9872	74		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2639.1403	79		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2497.1677	75		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2511.0651	75		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	2498.0233	75		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2508.4842	75		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	2451.5284	74		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78060

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Lab File ID: S6B8521.D Lab Sample ID: MB-78060

Instrument ID: S6 Date Extracted: 07/14/2014

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 07/15/2014

Level: (LOW/MED) LOW Time Analyzed: 16:01

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-78060	LCS-78060	S6B8522.D	07/15/2014
02	GW-TP-01-071014	N1194-11A	S6B8624.D	07/17/2014
03	GW-TP-03-071014	N1194-25A	S6B8625.D	07/17/2014
04	GW-TP-02-071014	N1194-26A	S6B8626.D	07/17/2014
05	FB-01-071014	N1194-27A	S6B8627.D	07/17/2014

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78074

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Lab File ID: S6B8586.D Lab Sample ID: MB-78074

Instrument ID: S6 Date Extracted: 07/15/2014

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 07/16/2014

Level: (LOW/MED) LOW Time Analyzed: 20:28

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-78074	LCS-78074	S6B8587.D	07/16/2014
02	SS-11-071014	N1194-01A	S6B8628.D	07/17/2014
03	SS-11-071014MS	N1194-01AMS	S6B8629.D	07/17/2014
04	SS-11-071014MSD	N1194-01AMSD	S6B8630.D	07/17/2014
05	SS-12-071014	N1194-02A	S6B8631.D	07/17/2014
06	SS-13-071014	N1194-03A	S6B8632.D	07/17/2014
07	SS-14-071014	N1194-04A	S6B8633.D	07/17/2014
08	SS-15-071014	N1194-05A	S6B8634.D	07/17/2014
09	SS-16-071014	N1194-06A	S6B8635.D	07/17/2014
10	SS-17-071014	N1194-07A	S6B8636.D	07/17/2014
11	SS-18-071014	N1194-08A	S6B8637.D	07/17/2014

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78076

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Lab File ID: S6B8650.D Lab Sample ID: MB-78076

Instrument ID: S6 Date Extracted: 07/15/2014

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 07/18/2014

Level: (LOW/MED) LOW Time Analyzed: 12:01

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SS-19-071014	N1194-09A	S6B8638.D	07/17/2014
02	SS-20-071014	N1194-10A	S6B8639.D	07/17/2014
03	SS-21-071014	N1194-12A	S6B8640.D	07/17/2014
04	SS-22-071014	N1194-13A	S6B8641.D	07/17/2014
05	SS-23-071014	N1194-14A	S6B8642.D	07/17/2014
06	SS-23-071014MS	N1194-14AMS	S6B8643.D	07/17/2014
07	SS-23-071014MSD	N1194-14AMSD	S6B8644.D	07/17/2014
08	SS-24-071014	N1194-15A	S6B8645.D	07/17/2014
09	SS-FD-03-071014	N1194-16A	S6B8646.D	07/17/2014
10	LCS-78076	LCS-78076	S6B8651.D	07/18/2014
11	SS-25-071014	N1194-17A	S6B8655.D	07/18/2014
12	SS-26-071014	N1194-18A	S6B8656.D	07/18/2014
13	SS-27-071014	N1194-19A	S6B8657.D	07/18/2014
14	SS-28-071014	N1194-20A	S6B8658.D	07/18/2014
15	SS-29-071014	N1194-21A	S6B8659.D	07/18/2014
16	SS-30-071014	N1194-22A	S6B8660.D	07/18/2014
17	SS-31-071014	N1194-23A	S6B8661.D	07/18/2014
18	SS-32-071014	N1194-24A	S6B8662.D	07/18/2014

COMMENTS:

5B - FORM V SV
SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

EPA SAMPLE NO.
DFTPP6A

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Lab File ID: S6B8390.D DFTPP Injection Date: 07/10/2014

Instrument ID: S6 DFTPP Injection Time: 10:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	47.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	50.8
70	Less than 2.0% of mass 69	0.4 (0.7)1
127	10.0 - 80.0% of mass 198	47.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	23.1
365	Greater than 1.0% of mass 198	2.3
441	Present, but less than mass 443	9.4
442	50.0 - 100% of mass 198	58.9
443	15.0 - 24.0% of mass 442	11.2 (19.0)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0256A	SSTD0256A	S6B8391A.D	07/10/2014	11:14
02	SSTD0806A	SSTD0806A	S6B8392.D	07/10/2014	11:57
03	SSTD0056A	SSTD0056A	S6B8393.D	07/10/2014	12:20
04	SSTD0606A	SSTD0606A	S6B8394.D	07/10/2014	12:43
05	SSTD0106A	SSTD0106A	S6B8395.D	07/10/2014	13:06
06	SSTD0406A	SSTD0406A	S6B8396.D	07/10/2014	13:29

5B - FORM V SV
SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

EPA SAMPLE NO.
DFTPP6G

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Lab File ID: S6B8519.D DFTPP Injection Date: 07/15/2014

Instrument ID: S6 DFTPP Injection Time: 15:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	43.8
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	10.0 - 80.0% of mass 198	44.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	23.6
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than mass 443	11.6
442	50.0 - 100% of mass 198	69.2
443	15.0 - 24.0% of mass 442	13.4 (19.3)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0256G	SSTD0256G	S6B8520.D	07/15/2014	15:33
02	MB-78060	MB-78060	S6B8521.D	07/15/2014	16:01
03	LCS-78060	LCS-78060	S6B8522.D	07/15/2014	16:24

5B - FORM V SV
SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

EPA SAMPLE NO.
DFTPP6H

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Lab File ID: S6B8578A.D DFTPP Injection Date: 07/16/2014

Instrument ID: S6 DFTPP Injection Time: 17:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	43.9
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	10.0 - 80.0% of mass 198	44.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 60.0% of mass 198	25.5
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than mass 443	6.2
442	50.0 - 100% of mass 198	77.9
443	15.0 - 24.0% of mass 442	14.8 (19.0)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0256H	SSTD0256H	S6B8579.D	07/16/2014	17:35
02	MB-78074	MB-78074	S6B8586.D	07/16/2014	20:28
03	LCS-78074	LCS-78074	S6B8587.D	07/16/2014	20:51

5B - FORM V SV
SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

EPA SAMPLE NO.
DFTPP6J

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Lab File ID: S6B8616.D DFTPP Injection Date: 07/17/2014

Instrument ID: S6 DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	45.9
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	10.0 - 80.0% of mass 198	46.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	22.6
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than mass 443	4.6
442	50.0 - 100% of mass 198	65.0
443	15.0 - 24.0% of mass 442	12.5 (19.2)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0256J	SSTD0256J	S6B8617.D	07/17/2014	10:47
02	GW-TP-01-071014	N1194-11A	S6B8624.D	07/17/2014	13:52
03	GW-TP-03-071014	N1194-25A	S6B8625.D	07/17/2014	14:15
04	GW-TP-02-071014	N1194-26A	S6B8626.D	07/17/2014	14:39
05	FB-01-071014	N1194-27A	S6B8627.D	07/17/2014	15:02
06	SS-11-071014	N1194-01A	S6B8628.D	07/17/2014	15:26
07	SS-11-071014MS	N1194-01AMS	S6B8629.D	07/17/2014	15:49
08	SS-11-071014MSD	N1194-01AMSD	S6B8630.D	07/17/2014	16:12
09	SS-12-071014	N1194-02A	S6B8631.D	07/17/2014	16:36
10	SS-13-071014	N1194-03A	S6B8632.D	07/17/2014	16:59
11	SS-14-071014	N1194-04A	S6B8633.D	07/17/2014	17:23
12	SS-15-071014	N1194-05A	S6B8634.D	07/17/2014	17:46
13	SS-16-071014	N1194-06A	S6B8635.D	07/17/2014	18:09
14	SS-17-071014	N1194-07A	S6B8636.D	07/17/2014	18:33
15	SS-18-071014	N1194-08A	S6B8637.D	07/17/2014	18:56
16	SS-19-071014	N1194-09A	S6B8638.D	07/17/2014	19:19

5B - FORM V SV

SEMIVOLATILE ORGANIC INSTRUMENT

PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

EPA SAMPLE NO.

DFTPP6J

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Lab File ID: S6B8616.D DFTPP Injection Date: 07/17/2014

Instrument ID: S6 DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	45.9
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	10.0 - 80.0% of mass 198	46.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	22.6
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than mass 443	4.6
442	50.0 - 100% of mass 198	65.0
443	15.0 - 24.0% of mass 442	12.5 (19.2)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
17	SS-20-071014	N1194-10A	S6B8639.D	07/17/2014	19:42
18	SS-21-071014	N1194-12A	S6B8640.D	07/17/2014	20:05
19	SS-22-071014	N1194-13A	S6B8641.D	07/17/2014	20:29
20	SS-23-071014	N1194-14A	S6B8642.D	07/17/2014	20:52
21	SS-23-071014 MS	N1194-14AMS	S6B8643.D	07/17/2014	21:15
22	SS-23-071014 MSD	N1194-14AMSD	S6B8644.D	07/17/2014	21:38
23	SS-24-071014	N1194-15A	S6B8645.D	07/17/2014	22:02
24	SS-FD-03-071014	N1194-16A	S6B8646.D	07/17/2014	22:25

5B - FORM V SV
SEMIVOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPINE (DFTPP)

EPA SAMPLE NO.
DFTPP6K

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Lab File ID: S6B8648.D DFTPP Injection Date: 07/18/2014

Instrument ID: S6 DFTPP Injection Time: 11:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	46.5
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	10.0 - 80.0% of mass 198	44.4
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.2
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1.0% of mass 198	3.6
441	Present, but less than mass 443	5.1
442	50.0 - 100% of mass 198	68.1
443	15.0 - 24.0% of mass 442	13.6 (19.9)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0256K	SSTD0256K	S6B8649.D	07/18/2014	11:32
02	MB-78076	MB-78076	S6B8650.D	07/18/2014	12:01
03	LCS-78076	LCS-78076	S6B8651.D	07/18/2014	12:24
04	SS-25-071014	N1194-17A	S6B8655.D	07/18/2014	13:56
05	SS-26-071014	N1194-18A	S6B8656.D	07/18/2014	14:20
06	SS-27-071014	N1194-19A	S6B8657.D	07/18/2014	14:43
07	SS-28-071014	N1194-20A	S6B8658.D	07/18/2014	15:06
08	SS-29-071014	N1194-21A	S6B8659.D	07/18/2014	15:29
09	SS-30-071014	N1194-22A	S6B8660.D	07/18/2014	15:53
10	SS-31-071014	N1194-23A	S6B8661.D	07/18/2014	16:16
11	SS-32-071014	N1194-24A	S6B8662.D	07/18/2014	16:39

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256G Date Analyzed: 07/15/2014

Lab File ID (Standard): S6B8520.D Time Analyzed: 15:33

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	384535		5.019		1501011		6.095		966468		7.558	
	UPPER LIMIT	769070		5.519		3002022		6.595		1932936		8.058	
	LOWER LIMIT	192268		4.519		750506		5.595		483234		7.058	
	EPA SAMPLE NO.												
01	MB-78060	429579		5.013		1578930		6.094		1088215		7.557	
02	LCS-78060	411242		5.019		1533578		6.095		1104058		7.558	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

EPA Sample No.(SSTD020##) SSTD0256G Date Analyzed: 07/15/2014

Lab File ID (Standard): S6B8520.D Time Analyzed: 15:33

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	2026431		8.791		2061794		11.224		1588916		13.598	
	UPPER LIMIT	4052862		9.291		4123588		11.724		3177832		14.098	
	LOWER LIMIT	1013216		8.291		1030897		10.724		794458		13.098	
	EPA SAMPLE NO.												
01	MB-78060	2250720		8.791		2414399		11.206		1900772		13.574	
02	LCS-78060	2340366		8.792		2538855		11.189		2115432		13.551	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256H Date Analyzed: 07/16/2014

Lab File ID (Standard): S6B8579.D Time Analyzed: 17:35

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	269524		4.984		1036479		6.065		706236		7.522	
	UPPER LIMIT	539048		5.484		2072958		6.565		1412472		8.022	
	LOWER LIMIT	134762		4.484		518240		5.565		353118		7.022	
	EPA SAMPLE NO.												
01	MB-78074	229189		4.984		877299		6.059		619443		7.522	
02	LCS-78074	337181		4.984		1262124		6.065		883147		7.528	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

EPA Sample No.(SSTD020##) SSTD0256H Date Analyzed: 07/16/2014

Lab File ID (Standard): S6B8579.D Time Analyzed: 17:35

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1583791		8.756		1977677		11.171		1807147		13.515	
	UPPER LIMIT	3167582		9.256		3955354		11.671		3614294		14.015	
	LOWER LIMIT	791896		8.256		988839		10.671		903574		13.015	
	EPA SAMPLE NO.												
01	MB-78074	1333872		8.750		1505227		11.118		1310608		13.445	
02	LCS-78074	1963066		8.756		2259300		11.136		2028106		13.462	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256J Date Analyzed: 07/17/2014

Lab File ID (Standard): S6B8617.D Time Analyzed: 10:47

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	300662		4.961		1116740		6.036		696827		7.499	
	UPPER LIMIT	601324		5.461		2233480		6.536		1393654		7.999	
	LOWER LIMIT	150331		4.461		558370		5.536		348414		6.999	
	EPA SAMPLE NO.												
01	GW-TP-01-071014	226955		4.955		787864		6.036		516236		7.493	
02	GW-TP-03-071014	231681		4.955		818382		6.036		537464		7.493	
03	GW-TP-02-071014	240046		4.955		831909		6.036		540163		7.493	
04	FB-01-071014	225163		4.955		796222		6.036		535254		7.493	
05	SS-11-071014	325722		4.961		1088826		6.036		673652		7.493	
06	SS-11-071014 MS	294823		4.960		986582		6.036		618736		7.499	
07	SS-11-071014 MSD	226709		4.961		775704		6.036		488392		7.499	
08	SS-12-071014	282785		4.960		948684		6.036		589520		7.499	
09	SS-13-071014	313200		4.960		1035091		6.036		640436		7.499	
10	SS-14-071014	297151		4.961		990108		6.036		607248		7.499	
11	SS-15-071014	275504		4.961		896268		6.036		561040		7.499	
12	SS-16-071014	283537		4.960		933317		6.036		585040		7.499	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256J Date Analyzed: 07/17/2014

Lab File ID (Standard): S6B8617.D Time Analyzed: 10:47

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	300662		4.961		1116740		6.036		696827		7.499	
	UPPER LIMIT	601324		5.461		2233480		6.536		1393654		7.999	
	LOWER LIMIT	150331		4.461		558370		5.536		348414		6.999	
	EPA SAMPLE NO.												
13	SS-17-071014	338803		4.961		1137098		6.036		708898		7.499	
14	SS-18-071014	271035		4.961		904755		6.036		581561		7.499	
15	SS-19-071014	287083		4.961		953533		6.036		591428		7.499	
16	SS-20-071014	274205		4.960		895706		6.036		548898		7.499	
17	SS-21-071014	274460		4.961		921355		6.036		572271		7.499	
18	SS-22-071014	262068		4.961		875007		6.036		547050		7.499	
19	SS-23-071014	277045		4.961		921459		6.036		564857		7.499	
20	SS-23-071014 MS	283485		4.960		947633		6.036		592554		7.499	
21	SS-23-071014 MSD	266859		4.960		889596		6.036		563419		7.499	
22	SS-24-071014	293531		4.961		987894		6.036		611788		7.499	
23	SS-FD-03-071014	305590		4.961		1010426		6.036		617989		7.499	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

EPA Sample No.(SSTD020##) SSTD0256J Date Analyzed: 07/17/2014

Lab File ID (Standard): S6B8617.D Time Analyzed: 10:47

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1450478		8.733		1526123		11.13		1437269		13.451	
	UPPER LIMIT	2900956		9.233		3052246		11.63		2874538		13.951	
	LOWER LIMIT	725239		8.233		763062		10.63		718635		12.951	
	EPA SAMPLE NO.												
01	GW-TP-01-071014	1038766		8.727		1107449		11.106		1036942		13.421	
02	GW-TP-03-071014	1099610		8.727		1168160		11.101		1081275		13.416	
03	GW-TP-02-071014	1088471		8.727		1184912		11.106		1098796		13.416	
04	FB-01-071014	1071334		8.727		1157655		11.106		1063243		13.410	
05	SS-11-071014	1233210		8.727		1150607		11.101		1193482		13.416	
06	SS-11-071014MS	1146474		8.733		1168118		11.112		1233777		13.433	
07	SS-11-071014MSD	954491		8.733		1070275		11.112		1097401		13.433	
08	SS-12-071014	1116462		8.727		1249518		11.112		1299822		13.439	
09	SS-13-071014	1172478		8.733		1226519		11.106		1315887		13.433	
10	SS-14-071014	1144586		8.733		1283966		11.112		1327513		13.445	
11	SS-15-071014	1059719		8.733		1214870		11.106		1267851		13.433	
12	SS-16-071014	1084292		8.733		1197700		11.106		1292233		13.433	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

EPA Sample No.(SSTD020##) SSTD0256J Date Analyzed: 07/17/2014

Lab File ID (Standard): S6B8617.D Time Analyzed: 10:47

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1450478		8.733		1526123		11.13		1437269		13.451	
	UPPER LIMIT	2900956		9.233		3052246		11.63		2874538		13.951	
	LOWER LIMIT	725239		8.233		763062		10.63		718635		12.951	
	EPA SAMPLE NO.												
13	SS-17-071014	1289944		8.733		1485731		11.112		1545580		13.451	
14	SS-18-071014	1085947		8.733		1330938		11.112		1344668		13.439	
15	SS-19-071014	1091608		8.727		1177412		11.101		1253833		13.416	
16	SS-20-071014	1066047		8.727		1234845		11.100		1289542		13.415	
17	SS-21-071014	1106163		8.733		1285767		11.100		1318726		13.427	
18	SS-22-071014	1039784		8.733		1217988		11.101		1245223		13.421	
19	SS-23-071014	1074576		8.733		1219089		11.101		1266040		13.427	
20	SS-23-071014 MS	1131751		8.733		1210127		11.100		1286833		13.421	
21	SS-23-071014 MSD	1096172		8.733		1295147		11.106		1324947		13.427	
22	SS-24-071014	1161090		8.733		1211416		11.095		1263955		13.416	
23	SS-FD-03-071014	1137365		8.733		1162434		11.101		1238023		13.415	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256K Date Analyzed: 07/18/2014

Lab File ID (Standard): S6B8649.D Time Analyzed: 11:32

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	266235		4.925		1007805		6.001		653026		7.464	
	UPPER LIMIT	532470		5.425		2015610		6.501		1306052		7.964	
	LOWER LIMIT	133118		4.425		503903		5.501		326513		6.964	
	EPA SAMPLE NO.												
01	MB-78076	304151		4.925		1056665		6.001		676381		7.464	
02	LCS-78076	317709		4.925		1086280		6.006		695764		7.464	
03	SS-25-071014	256536		4.925		895899		6.001		561303		7.458	
04	SS-26-071014	281700		4.925		967260		6.000		620591		7.464	
05	SS-27-071014	281913		4.925		970801		6.000		612756		7.463	
06	SS-28-071014	252549		4.925		857233		6.001		552066		7.458	
07	SS-29-071014	268364		4.925		907622		6.000		573673		7.463	
08	SS-30-071014	287211		4.925		986151		6.001		630197		7.464	
09	SS-31-071014	278693		4.925		938699		6.000		599119		7.463	
10	SS-32-071014	311211		4.925		1093262		6.001		707097		7.464	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

EPA Sample No.(SSTD020##) SSTD0256K Date Analyzed: 07/18/2014

Lab File ID (Standard): S6B8649.D Time Analyzed: 11:32

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1369057		8.697		1465584		11.077		1323378		13.357	
	UPPER LIMIT	2738114		9.197		2931168		11.577		2646756		13.857	
	LOWER LIMIT	684529		8.197		732792		10.577		661689		12.857	
	EPA SAMPLE NO.												
01	MB-78076	1318572		8.698		1274170		11.083		1013032		13.369	
02	LCS-78076	1347270		8.697		1274140		11.059		1046054		13.333	
03	SS-25-071014	1099439		8.692		1118415		11.060		1086212		13.339	
04	SS-26-071014	1202638		8.691		1136447		11.059		1105266		13.345	
05	SS-27-071014	1202713		8.691		1128024		11.059		1067218		13.339	
06	SS-28-071014	1060100		8.692		1081125		11.054		1083763		13.333	
07	SS-29-071014	1115584		8.691		1085245		11.053		1085538		13.333	
08	SS-30-071014	1185494		8.692		1122504		11.059		1094677		13.339	
09	SS-31-071014	1170957		8.691		1085760		11.053		1073190		13.333	
10	SS-32-071014	1345824		8.692		1210043		11.054		1149840		13.339	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-01A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8628.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	79	J
208-96-8	Acenaphthylene	97	J
83-32-9	Acenaphthene	120	J
86-73-7	Fluorene	380	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	420	
120-12-7	Anthracene	160	J
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	1100	
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1200	
205-99-2	Benzo(b)fluoranthene	1900	
207-08-9	Benzo(k)fluoranthene	770	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
53-70-3	Dibenzo(a,h)anthracene	360	J
191-24-2	Benzo(g,h,i)perylene	1600	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8628.d
Report Date: 18-Jul-2014 15:41

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8628.d
Lab Smp Id: N1194-01A Client Smp ID: SS-11-071014
Inj Date : 17-JUL-2014 15:26
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-01A,,78074
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.200	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

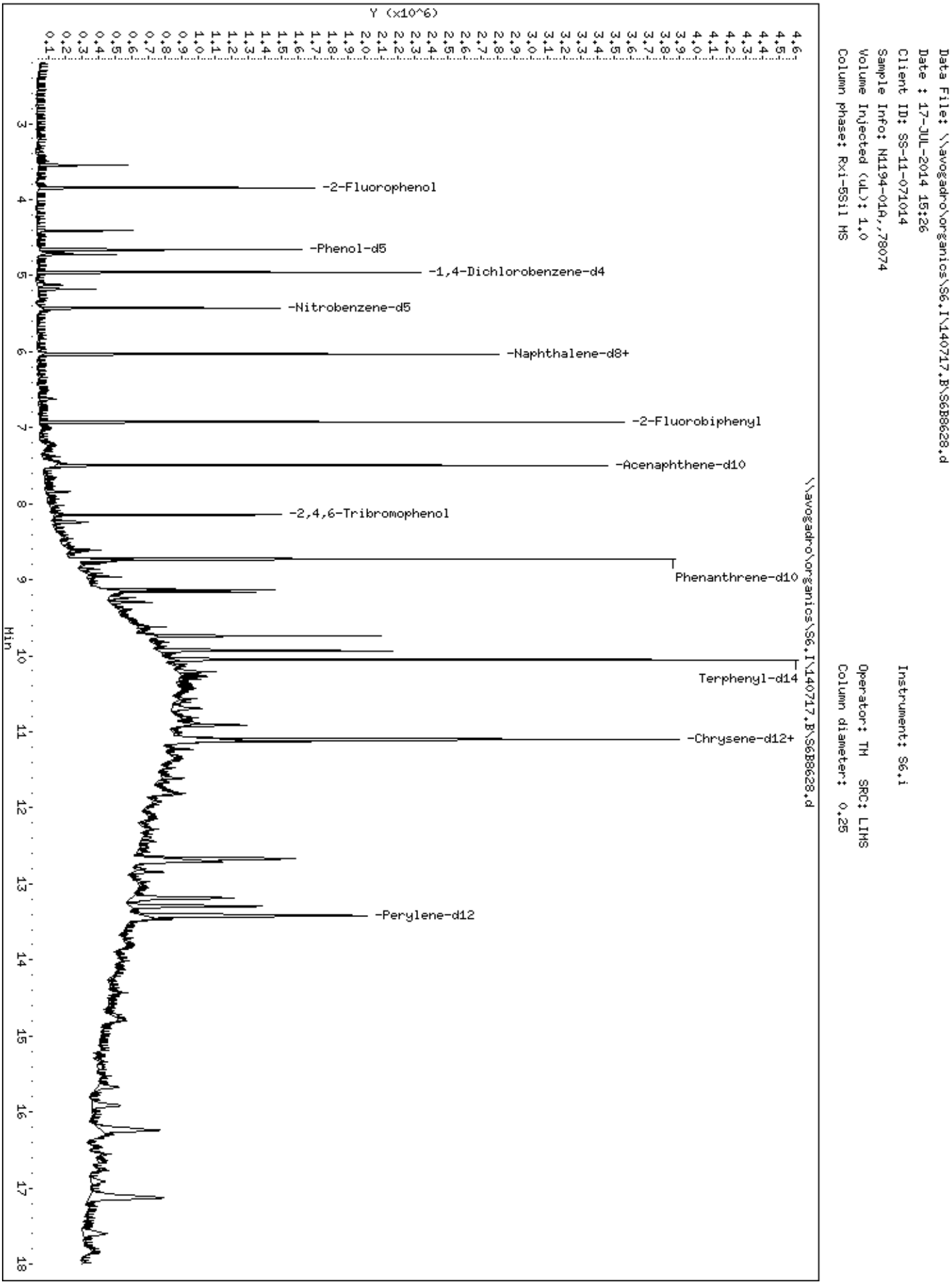
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	3.844	3.832	(0.775)	377110	34.9531	2300
$ 5 Phenol-d5	99	4.655	4.655	(0.938)	459442	33.3569	2200
* 12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	325722	40.0000	
$ 22 Nitrobenzene-d5	82	5.424	5.430	(0.899)	454524	40.5008	2700
* 31 Naphthalene-d8	136	6.035	6.035	(1.000)	1088826	40.0000	
32 Naphthalene	128	6.047	6.053	(1.002)	28093	1.02393	67(a)
36 2-Methylnaphthalene	142	6.629	6.629	(1.098)	19149	1.00873	66(a)
$ 41 2-Fluorobiphenyl	172	6.928	6.928	(0.925)	924570	39.2188	2600
46 Acenaphthylene	152	7.381	7.381	(0.985)	39699	1.24945	82(a)
* 48 Acenaphthene-d10	164	7.493	7.498	(1.000)	673652	40.0000	
49 Acenaphthene	153	7.522	7.528	(1.004)	31994	1.56179	100(a)
$ 60 2,4,6-Tribromophenol	330	8.151	8.156	(0.934)	111302	39.2036	2600
* 64 Phenanthrene-d10	188	8.726	8.732	(1.000)	1233210	40.0000	
65 Phenanthrene	178	8.744	8.756	(1.002)	180405	5.41754	360(a)
66 Anthracene	178	8.785	8.797	(1.007)	68719	2.02539	130(a)
69 Fluoranthene	202	9.737	9.749	(1.116)	495315	12.9966	860
71 Pyrene	202	9.931	9.949	(0.895)	493320	13.9207	920
$ 72 Terphenyl-d14	244	10.048	10.060	(0.905)	966294	41.9817	2800
75 Benzo(a)anthracene	228	11.088	11.112	(0.999)	423420	12.8887	850(H)

Data File: \\avogadro\organics\S6.I\140717.B\S6B8628.d
Report Date: 18-Jul-2014 15:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
* 76 Chrysene-d12	240	11.100	11.130	(1.000)	1150607	40.0000	
77 Chrysene	228	11.130	11.159	(1.003)	451321	14.9684	980
80 Benzo(b)fluoranthene	252	12.663	12.692	(0.944)	866502	24.6947	1600(H)
81 Benzo(k)fluoranthene	252	12.710	12.745	(0.947)	354720	9.95655	660
82 Benzo(a)pyrene	252	13.292	13.327	(0.991)	646068	19.2987	1300
* 83 Perylene-d12	264	13.415	13.450	(1.000)	1193482	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	16.235	16.277	(1.210)	585284	20.0370	1300
85 Dibenzo(a,h)anthracene	278	16.312	16.376	(1.216)	133341	4.69188	310(a)
86 Benzo(g,h,i)perylene	276	17.123	17.170	(1.276)	606664	20.1114	1300

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: \\avogadro\organics\S6.I\140717.B\S6B8628.d
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Client ID: SS-11-071014
Sample Info: N1194-01A,,78074
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS
Instrument: S6.i
Operator: TM SRC: LIMS
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8+
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
\\avogadro\organics\S6.I\140717.B\S6B8628.d

Data File: \\avogadro\organics\S6.I\140717.B\S6B8628.d

Date : 17-JUL-2014 15:26

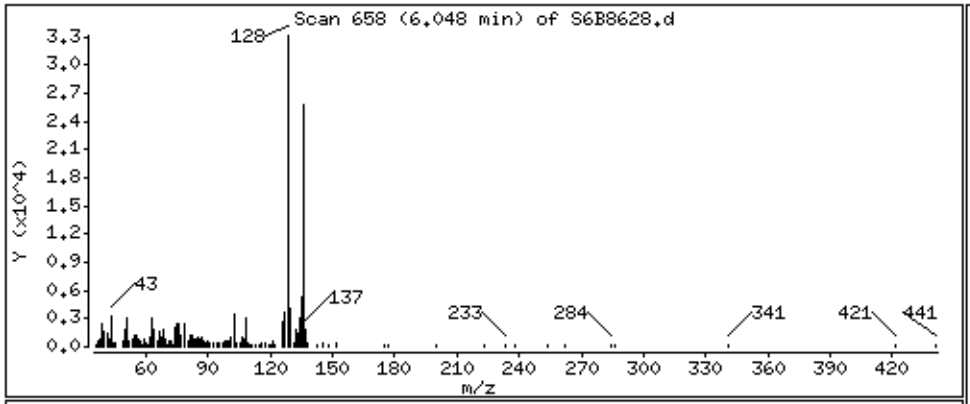
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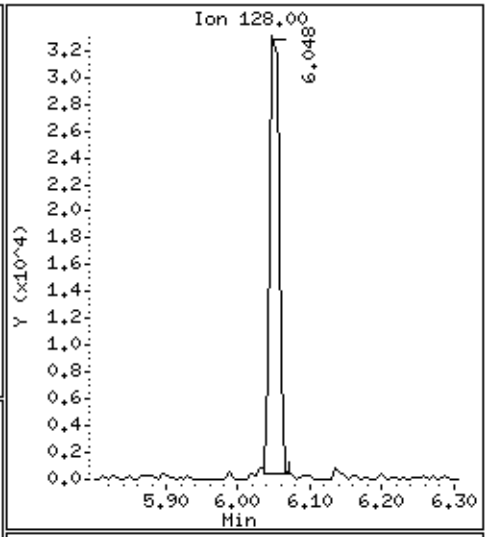
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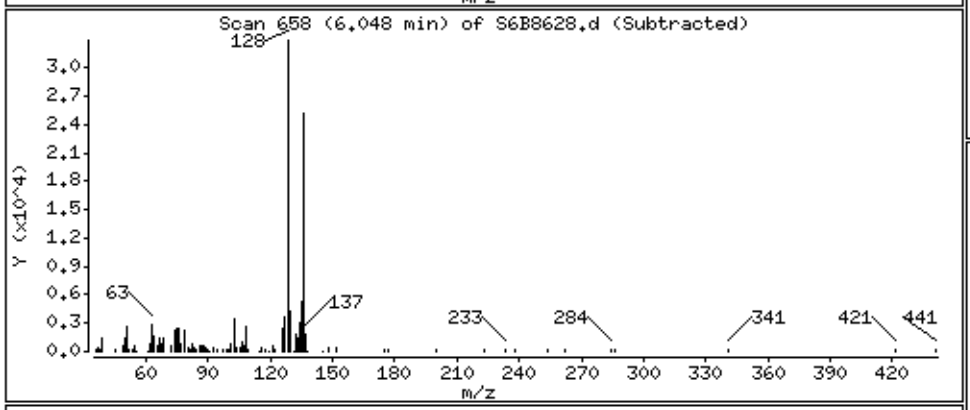
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

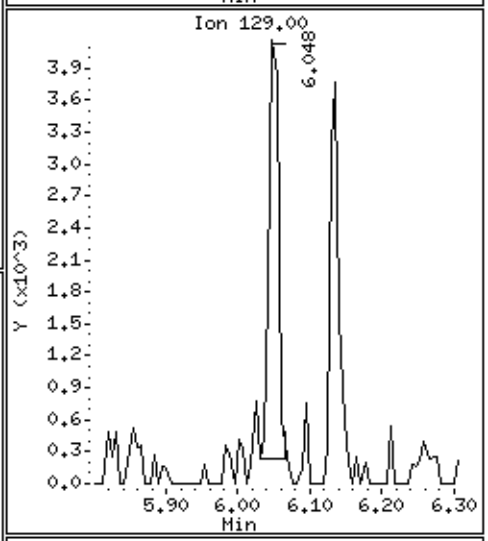
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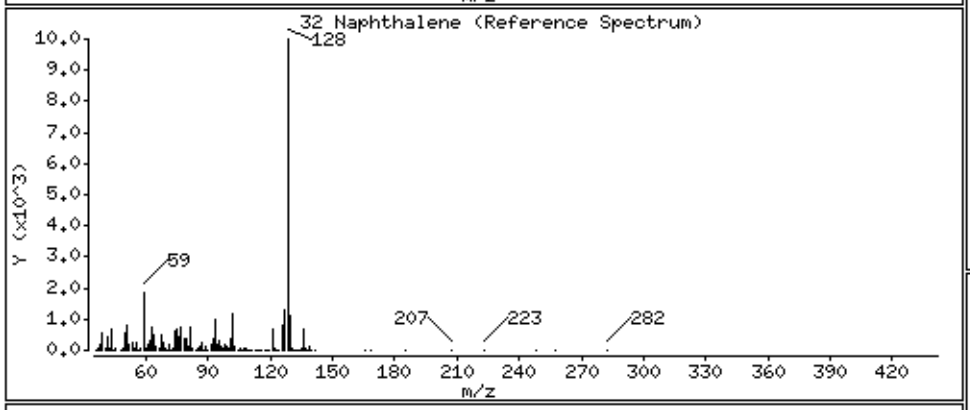
32 Naphthalene Concentration: 67 ug/Kg

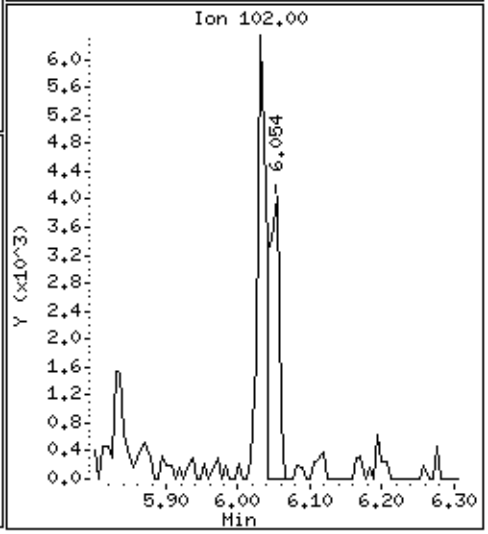


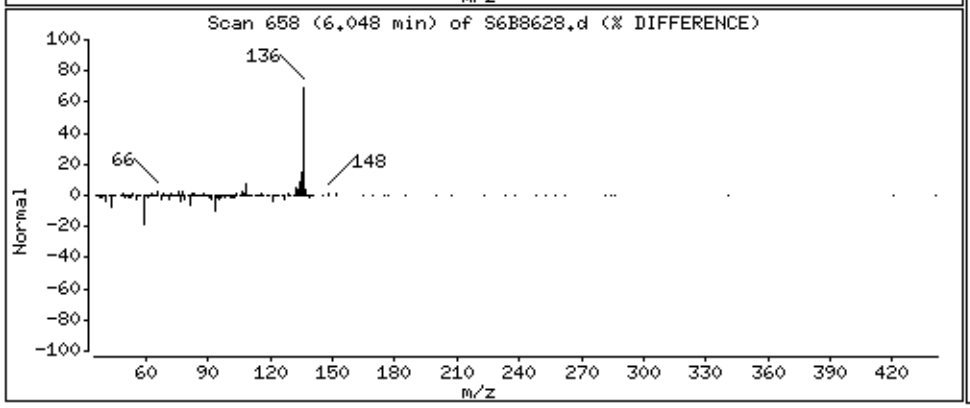












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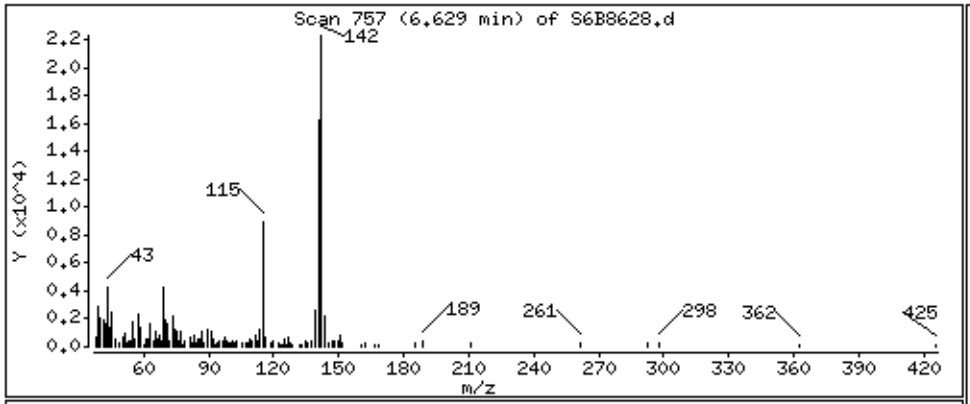
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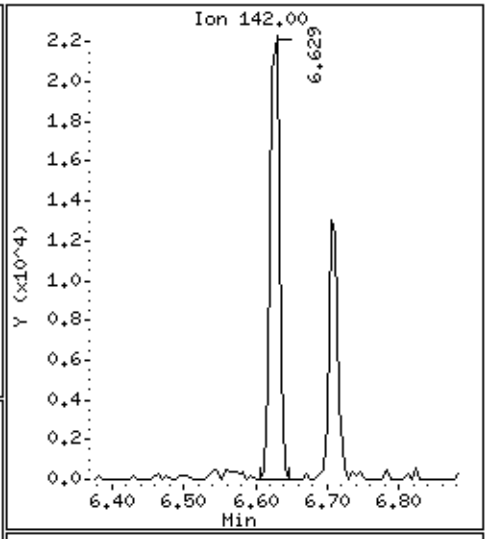
Sample Info: N1194-01A,,78074

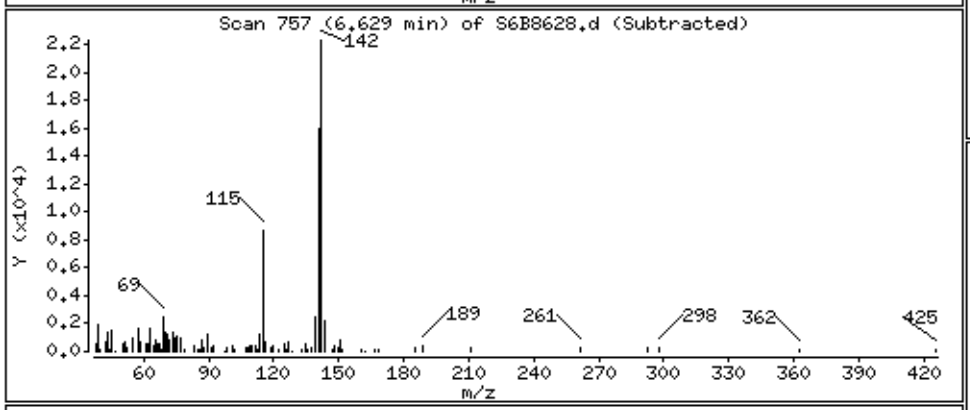
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

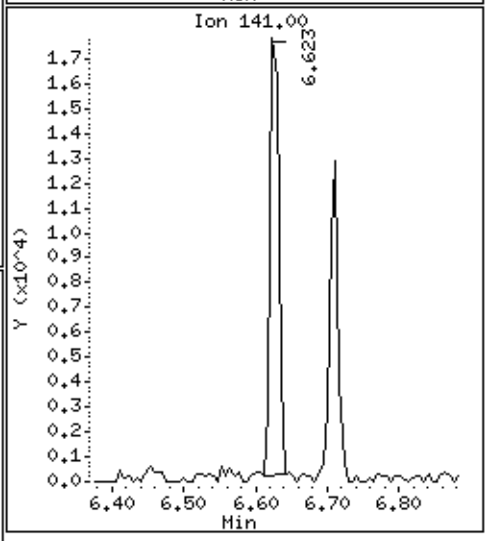
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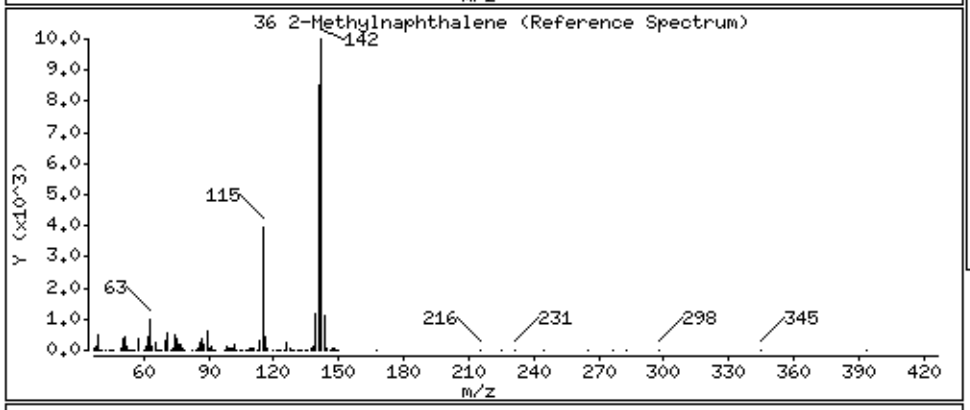
36 2-Methylnaphthalene Concentration: 66 ug/Kg

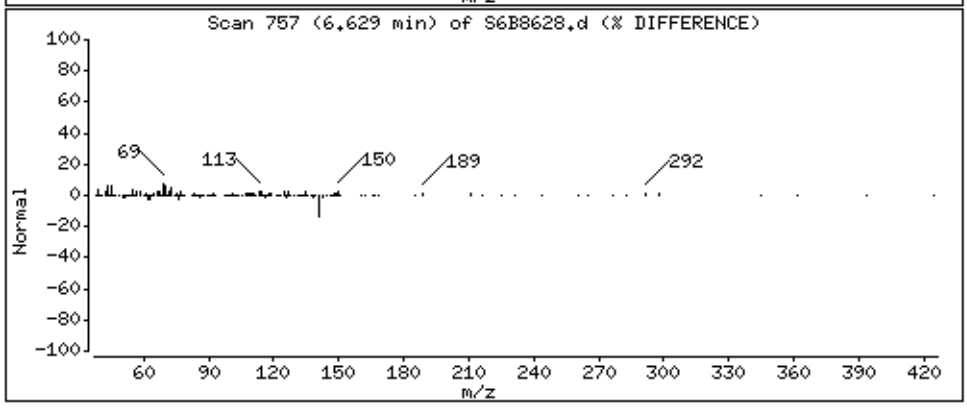












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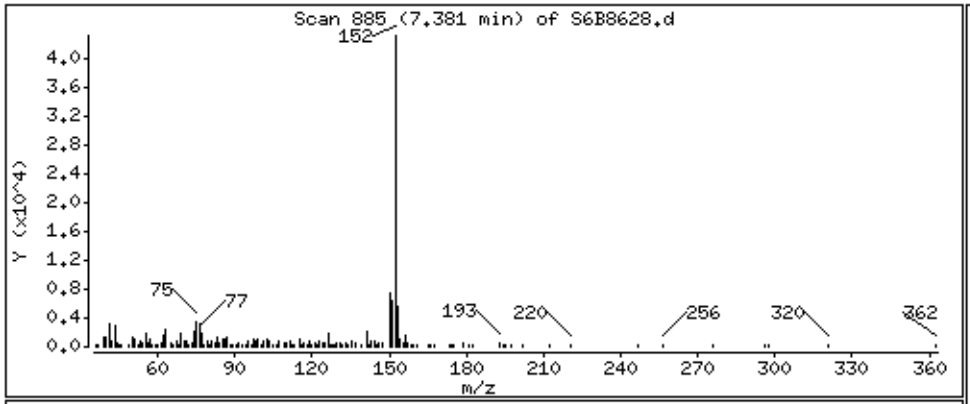
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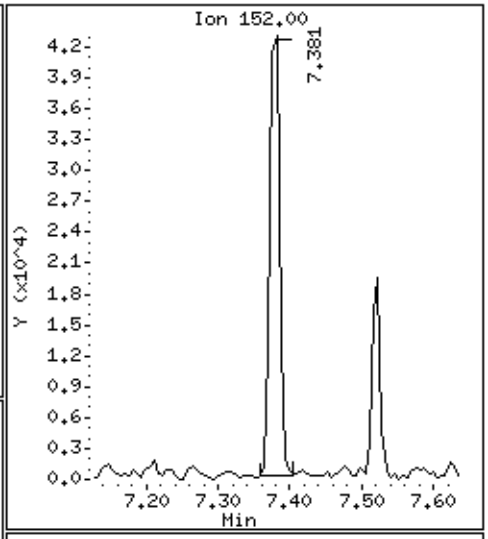
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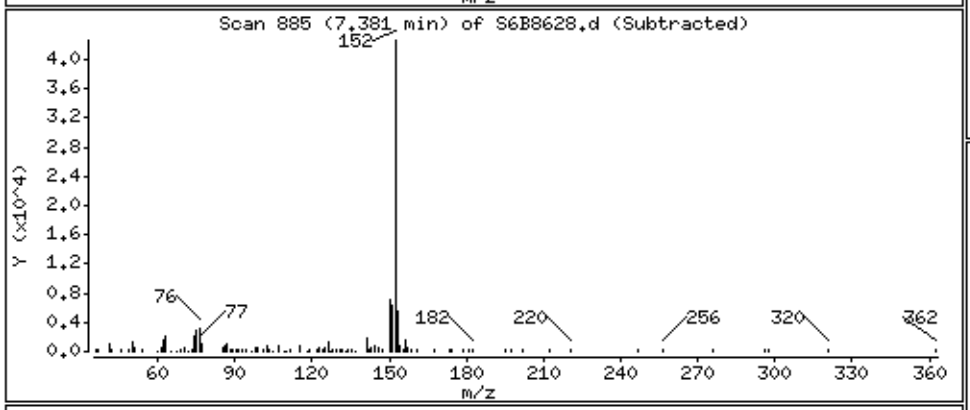
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

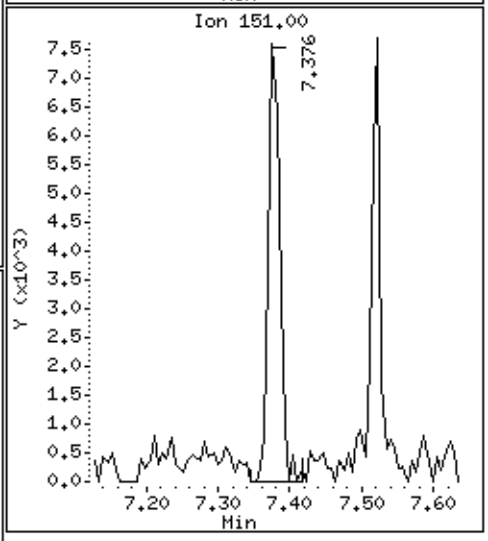
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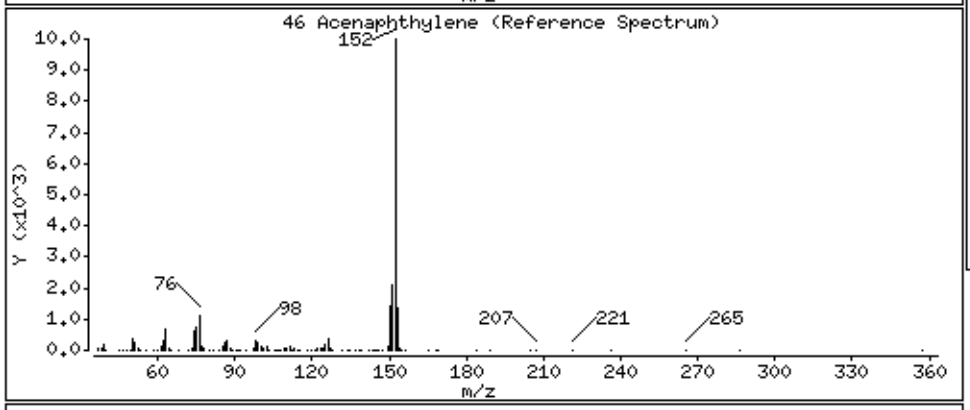
46 Acenaphthylene Concentration: 82 ug/Kg

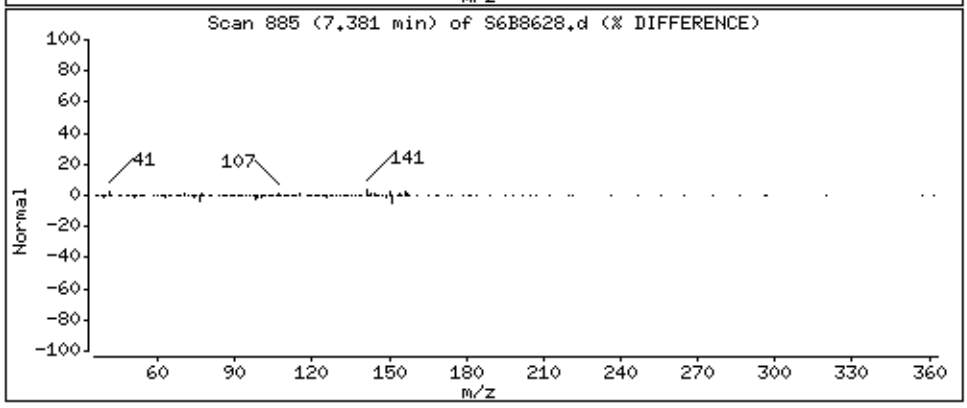












Data File: \\avogadro\organics\S6.I\140717.B\S6B8628.d

Date : 17-JUL-2014 15:26

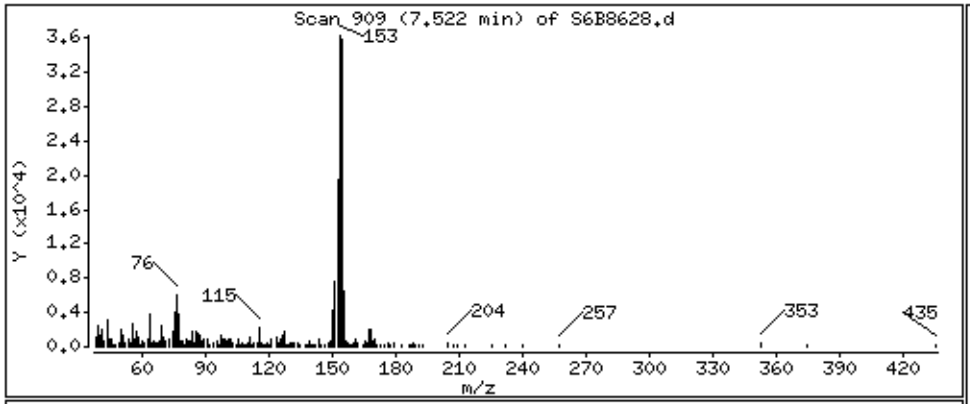
Client ID: SS-11-071014 Instrument: S6.i

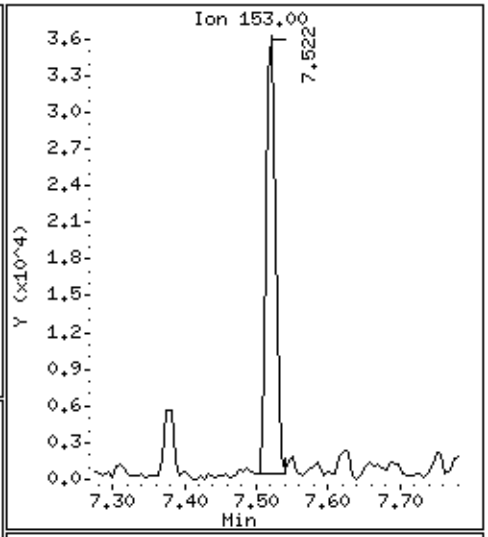
Sample Info: N1194-01A,,78074

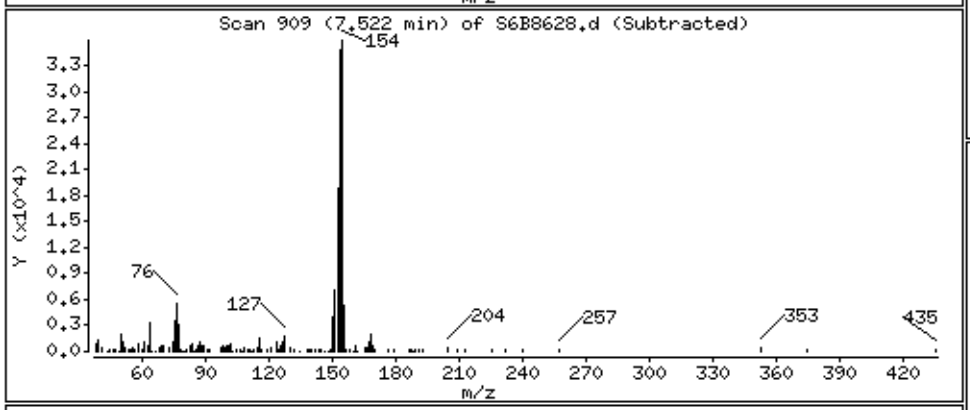
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

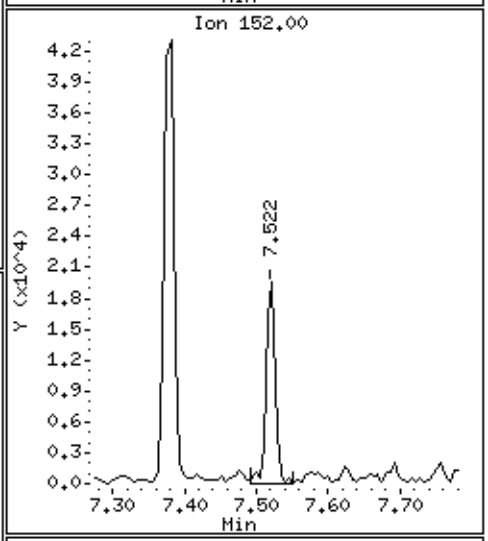
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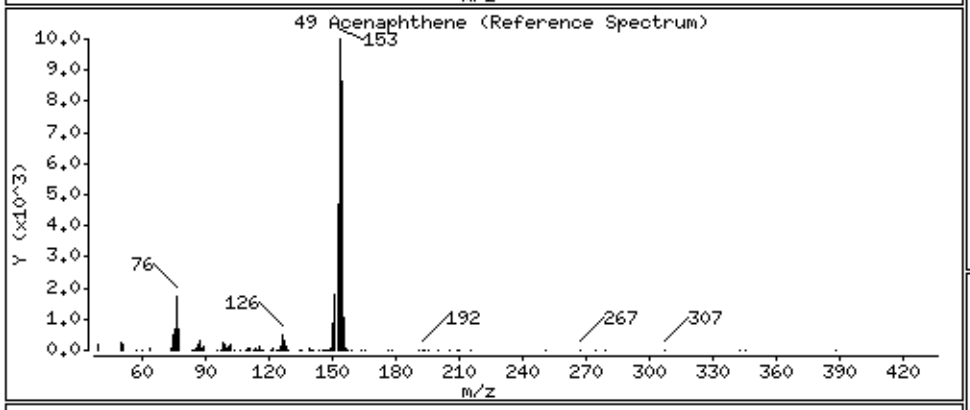
49 Acenaphthene Concentration: 100 ug/Kg

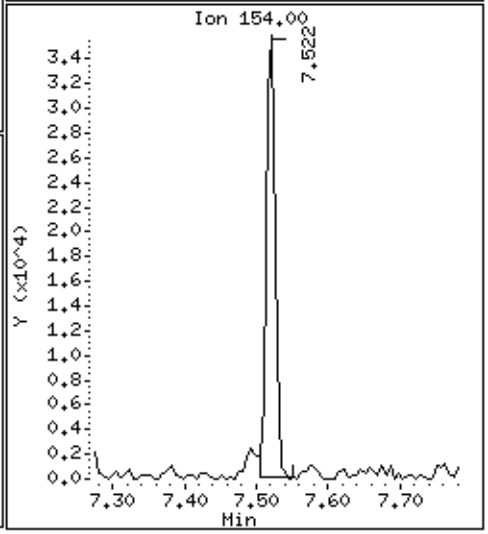


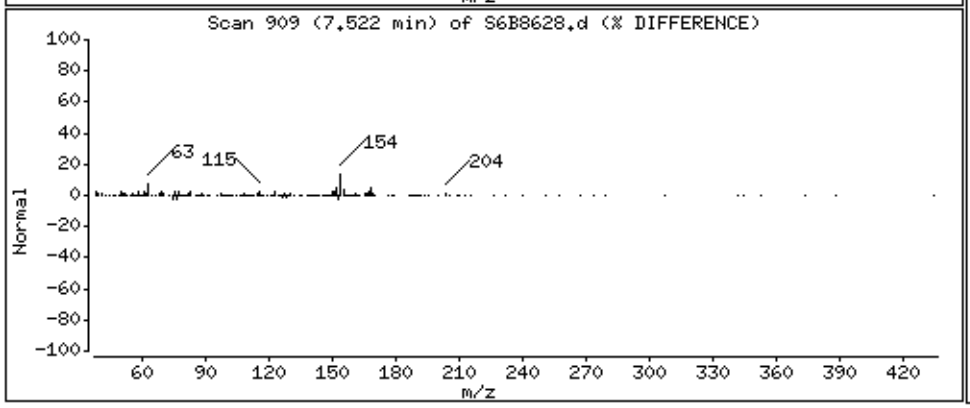












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Date : 17-JUL-2014 15:26

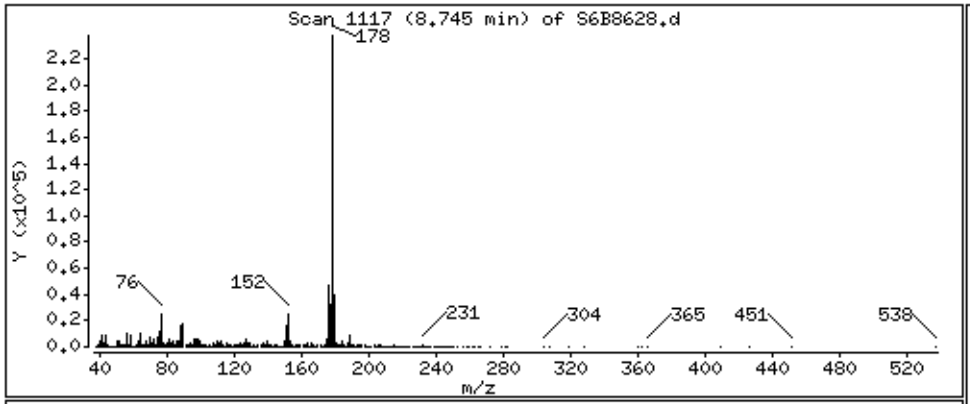
Client ID: SS-11-071014 Instrument: S6.i

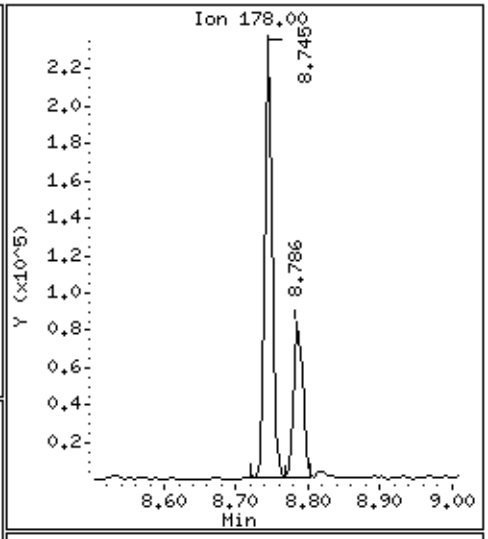
Sample Info: N1194-01A,,78074

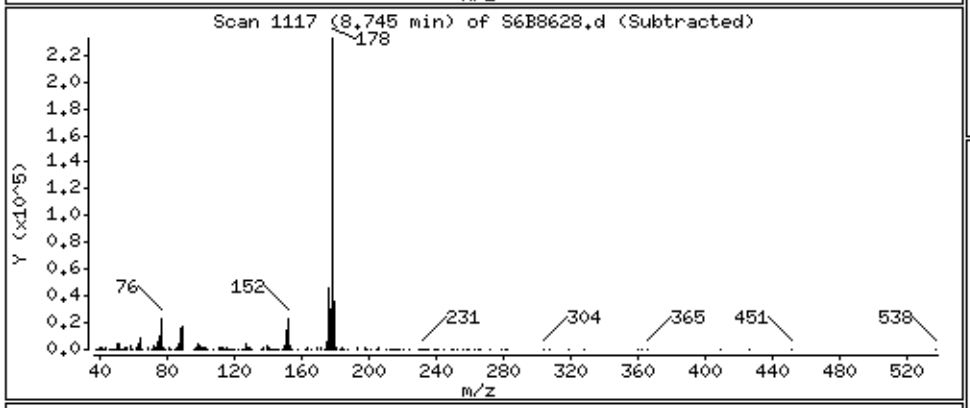
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

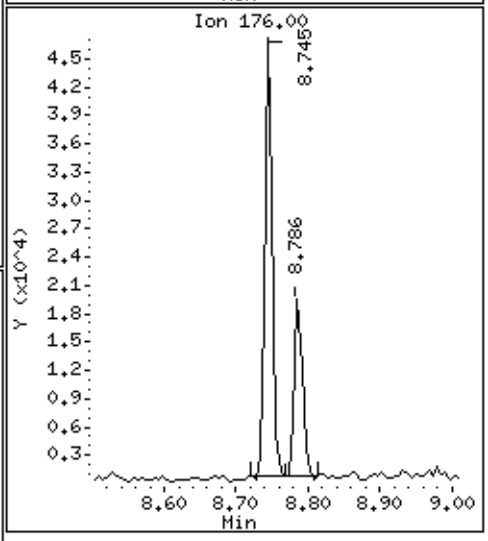
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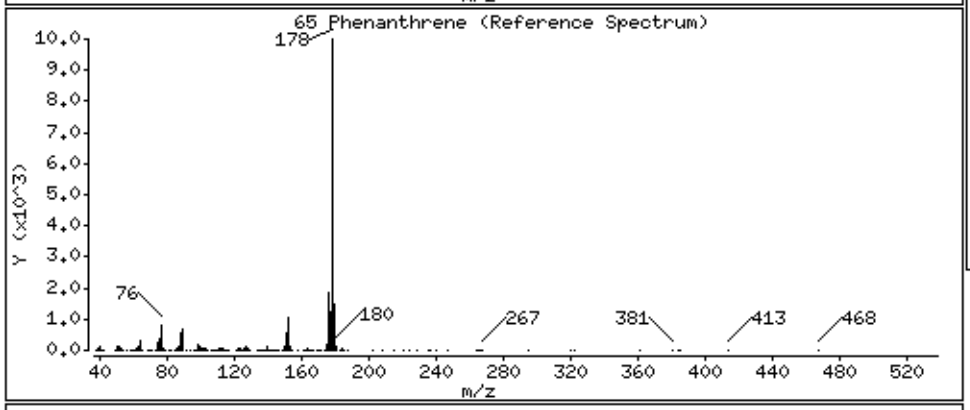
65 Phenanthrene Concentration: 360 ug/Kg

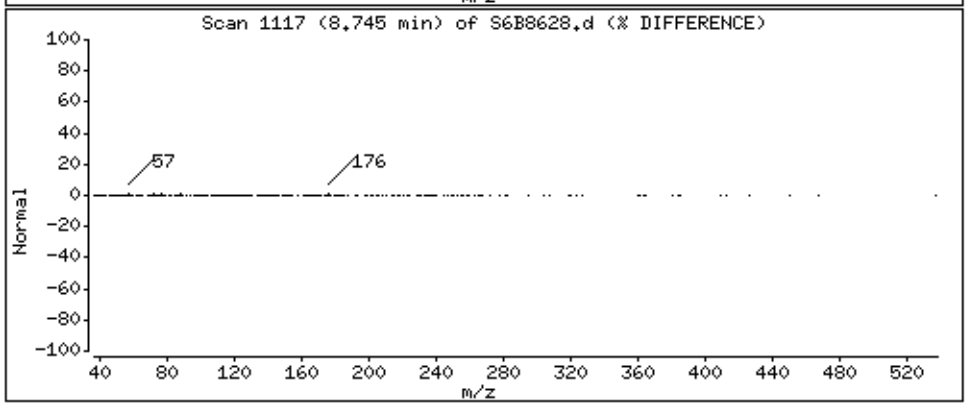












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Date : 17-JUL-2014 15:26

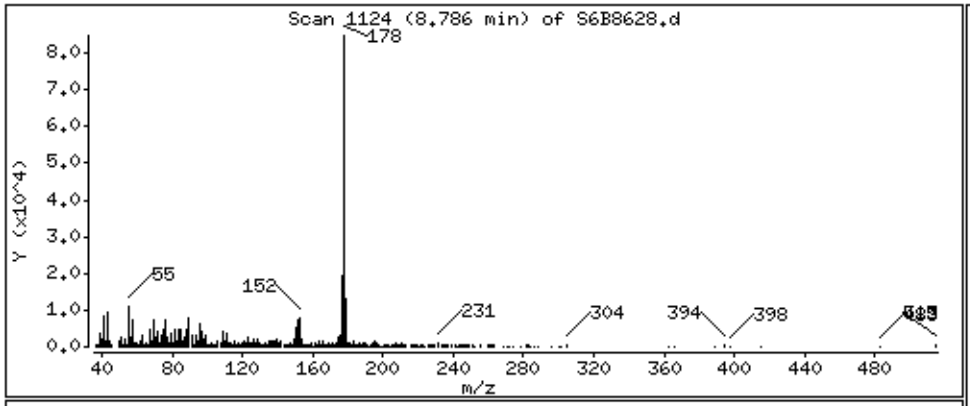
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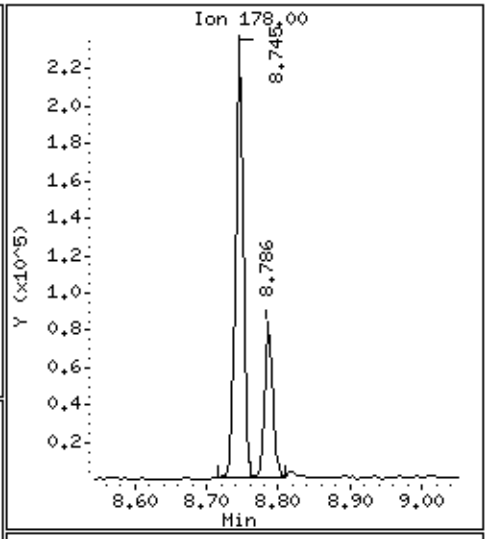
Sample Info: N1194-01A,,78074

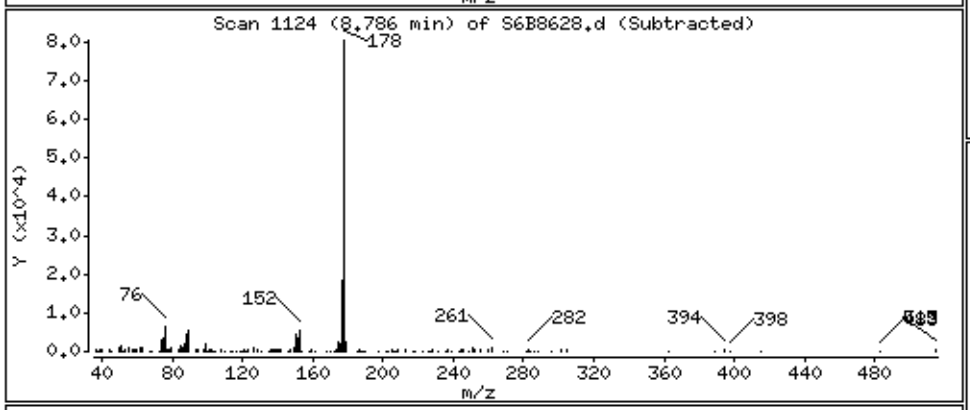
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

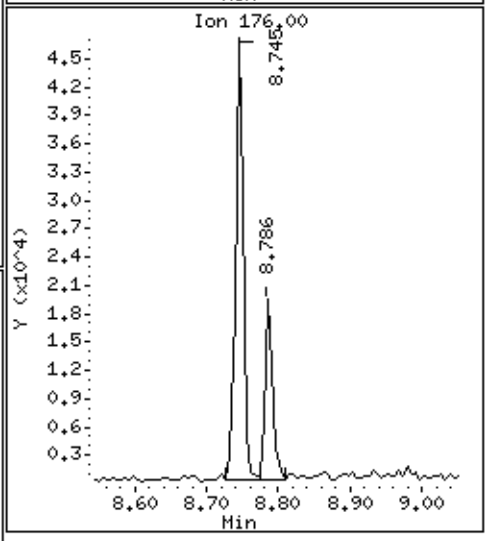
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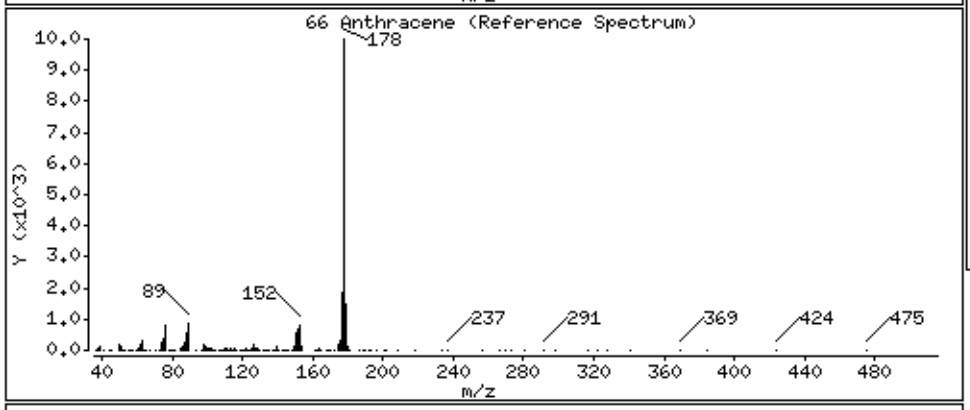
66 Anthracene Concentration: 130 ug/Kg

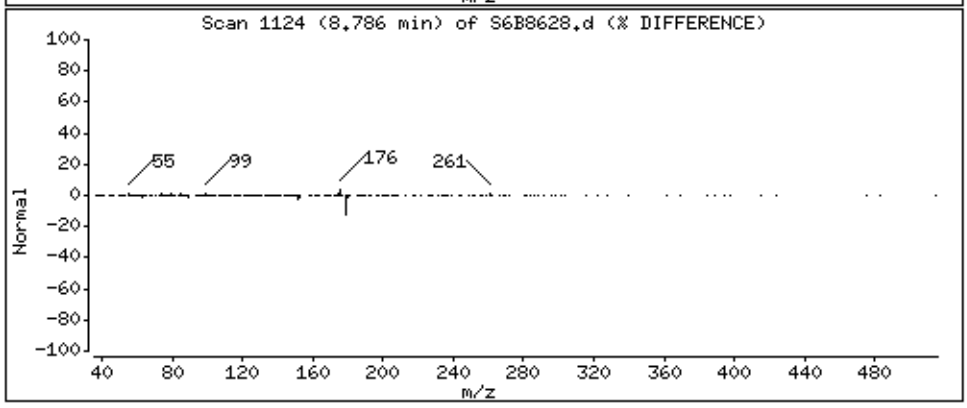












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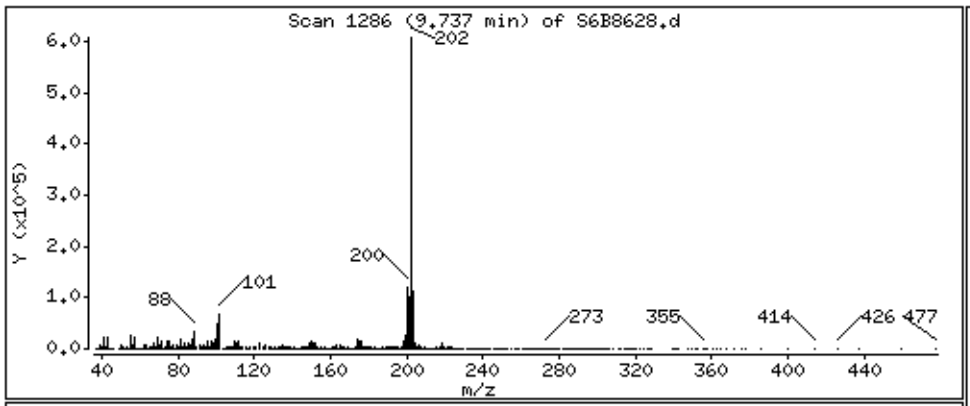
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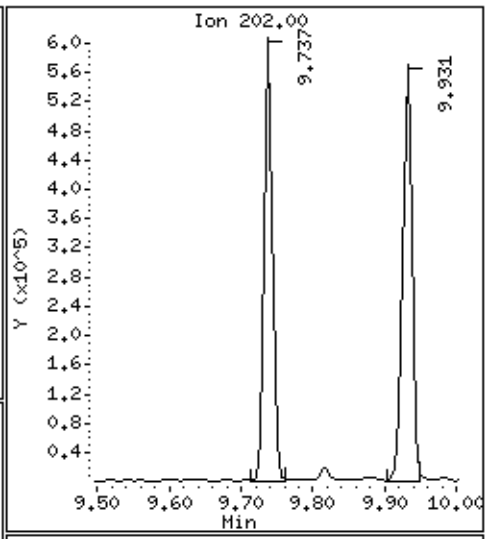
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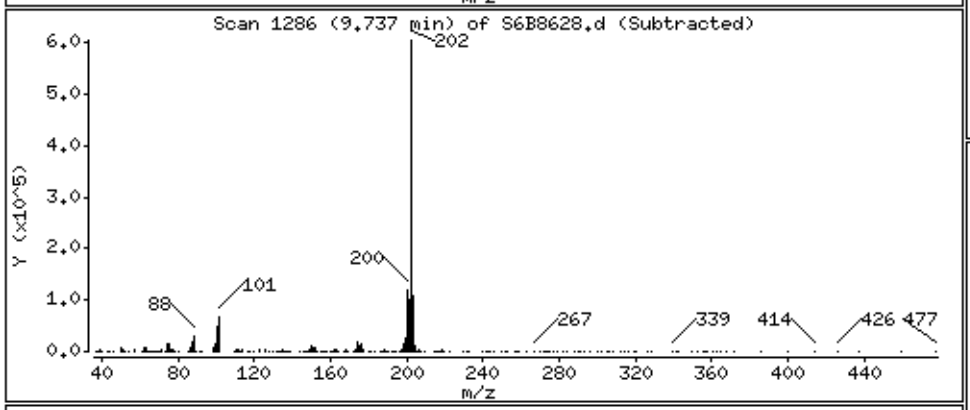
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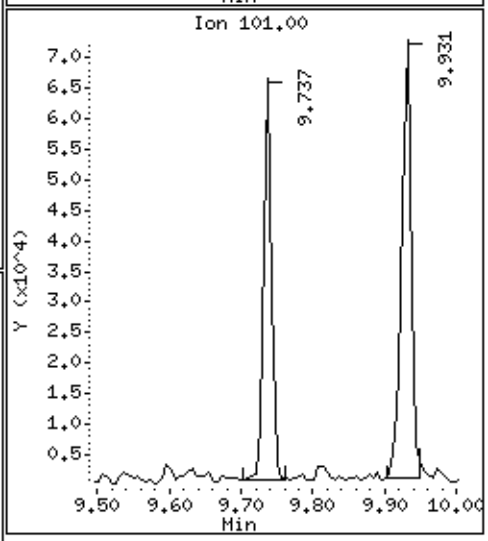
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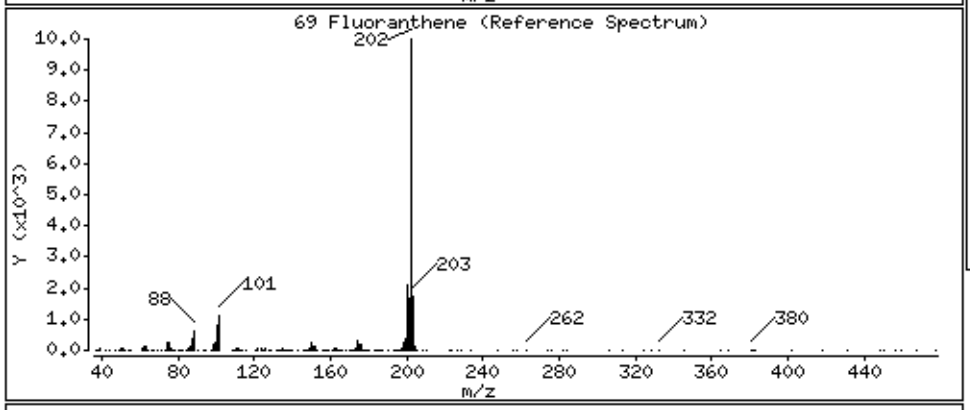
69 Fluoranthene Concentration: 860 ug/Kg

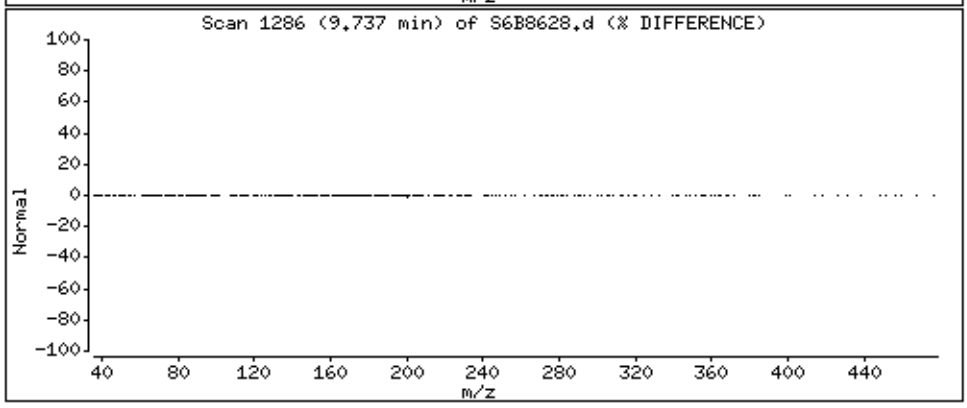












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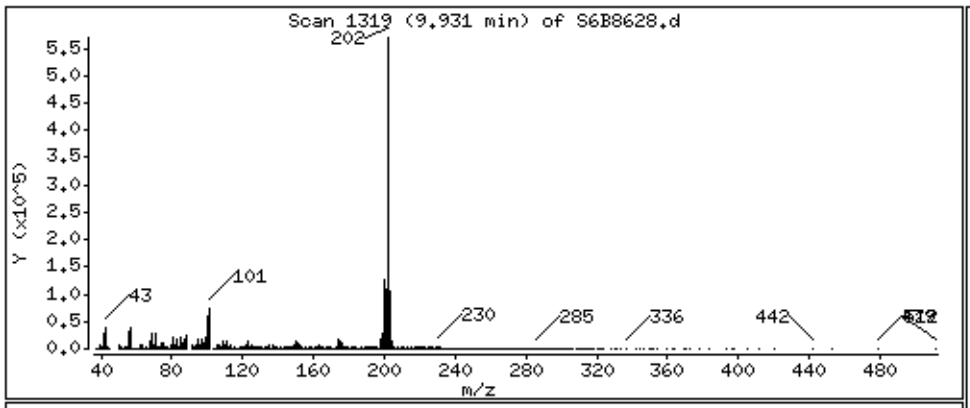
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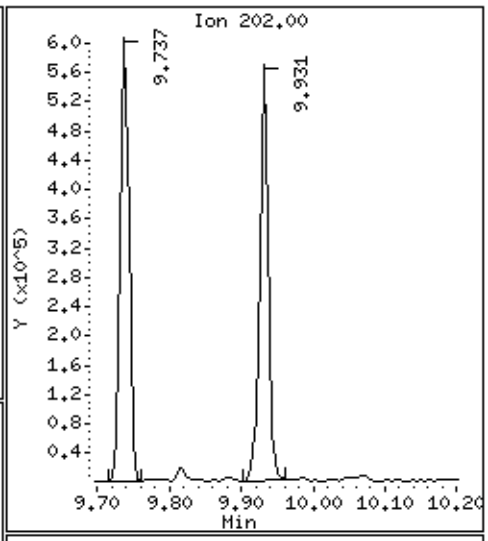
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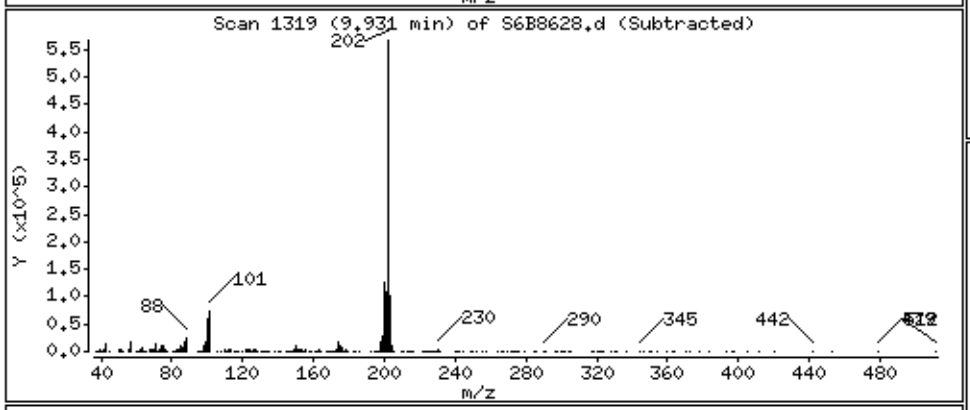
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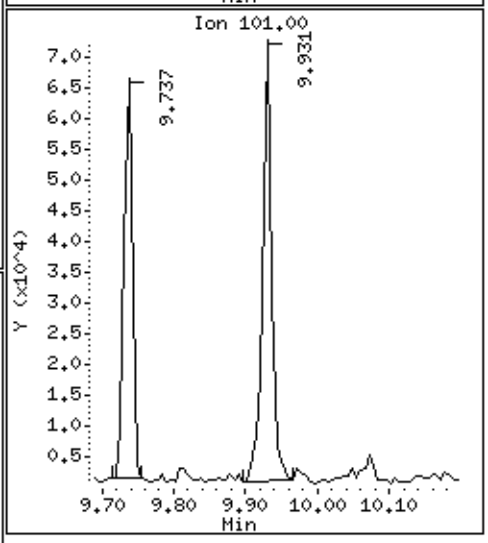
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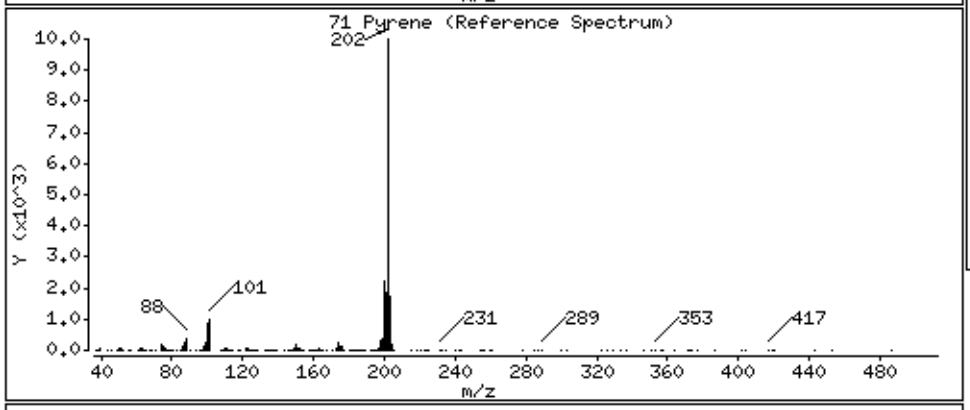
71 Pyrene Concentration: 920 ug/Kg

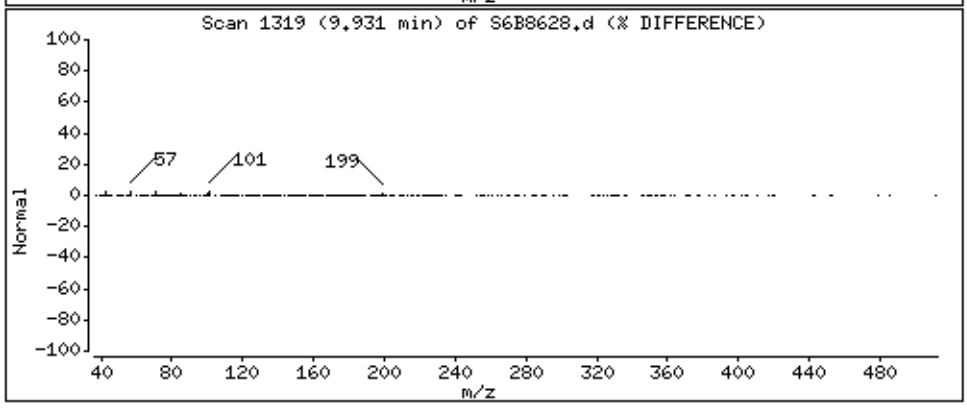












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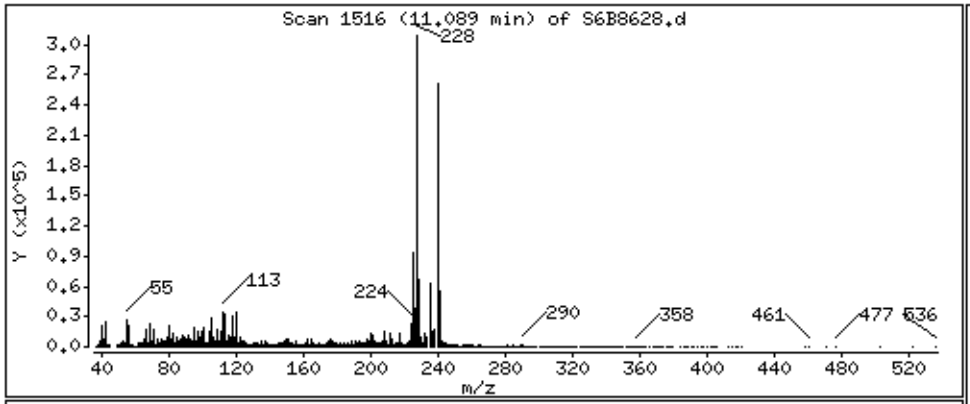
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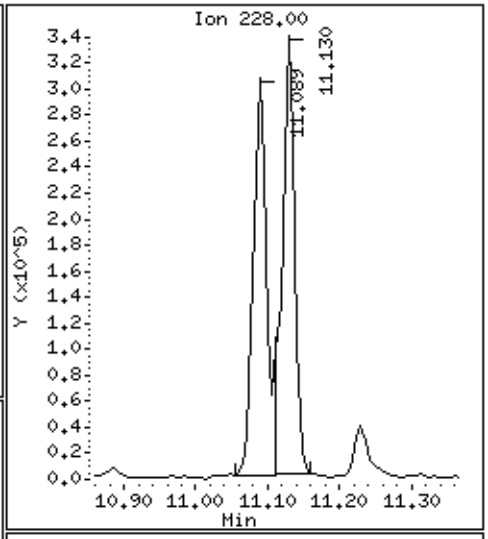
Sample Info: N1194-01A,,78074

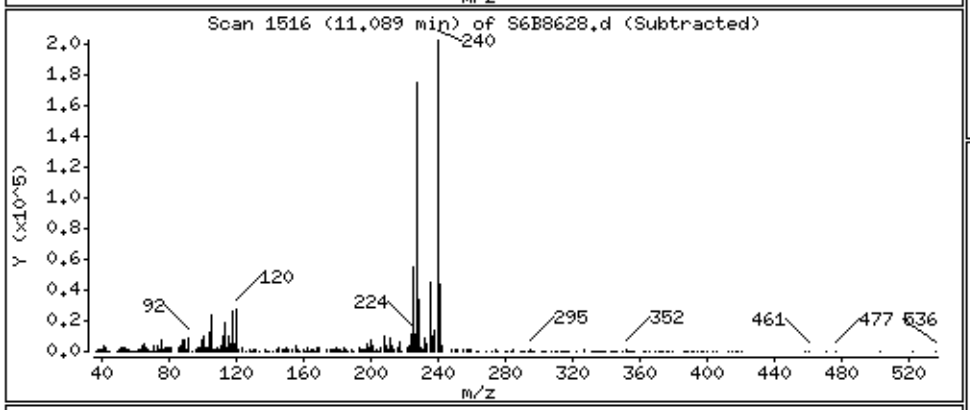
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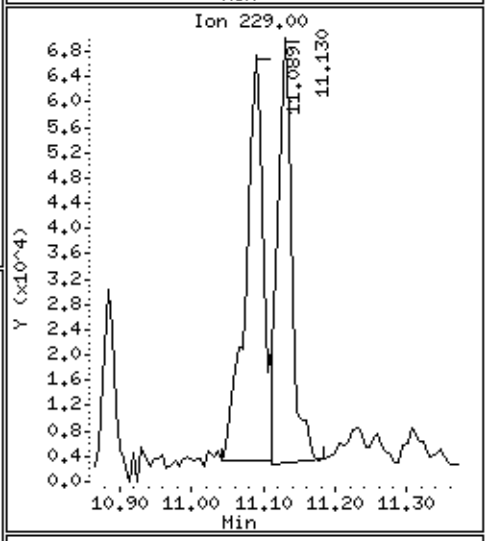
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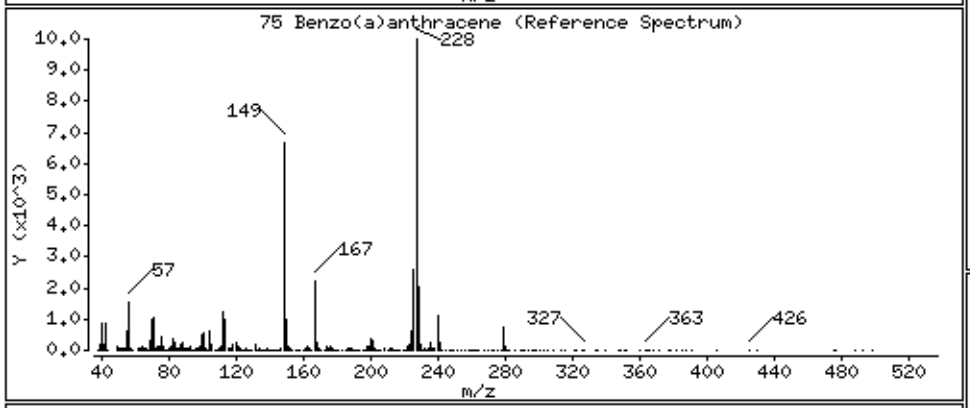
75 Benzo(a)anthracene Concentration: 850 ug/Kg

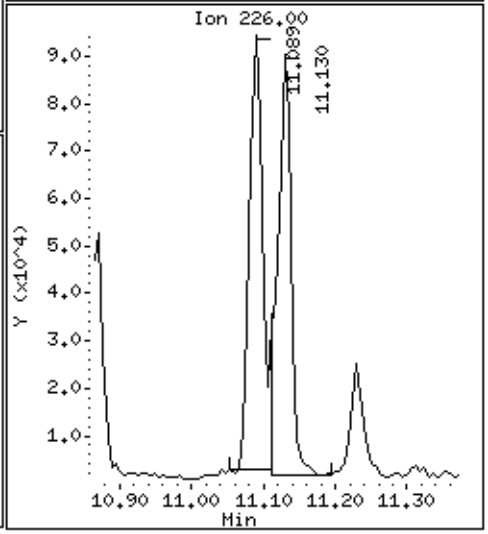


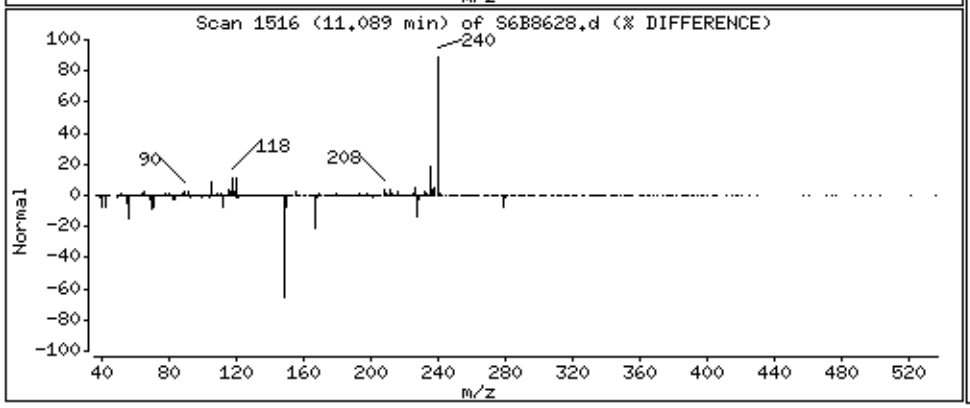












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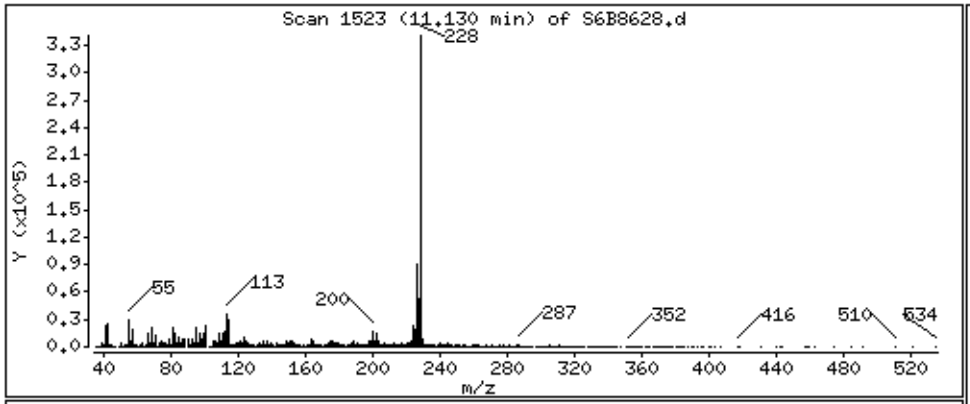
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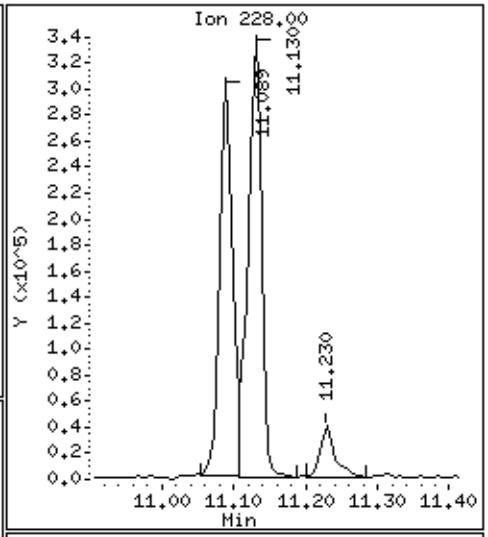
Sample Info: N1194-01A,,78074

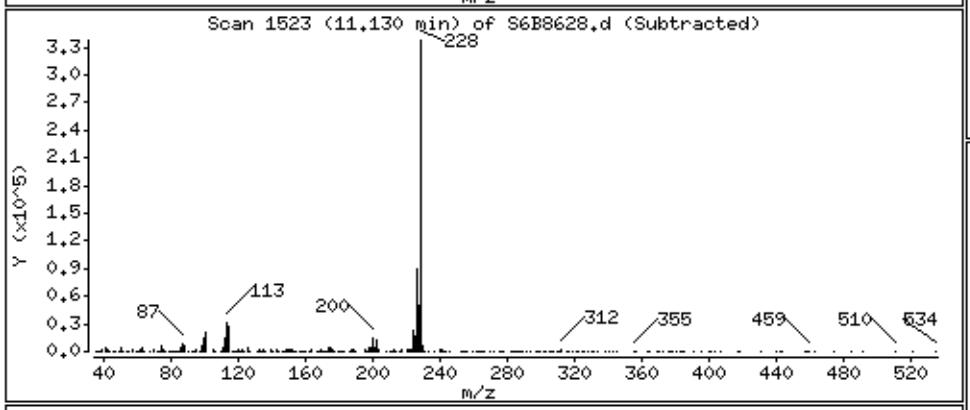
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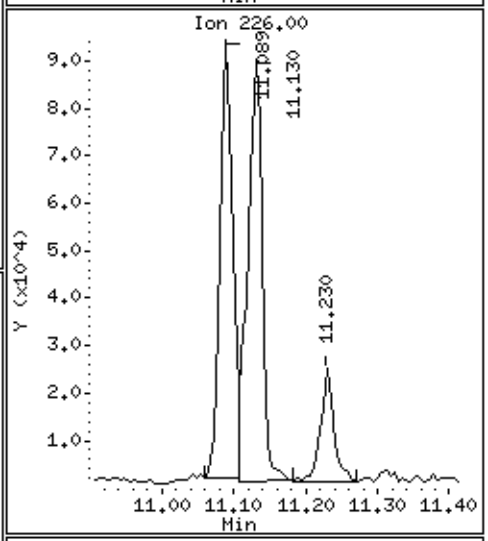
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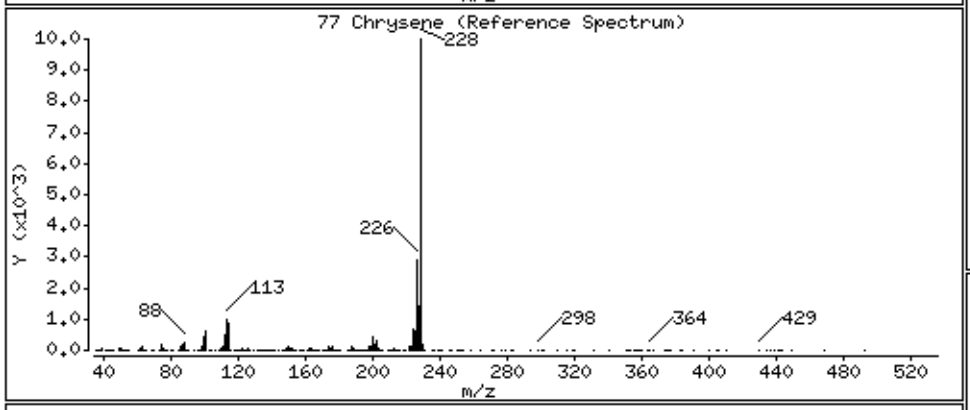
77 Chrysene Concentration: 980 ug/Kg

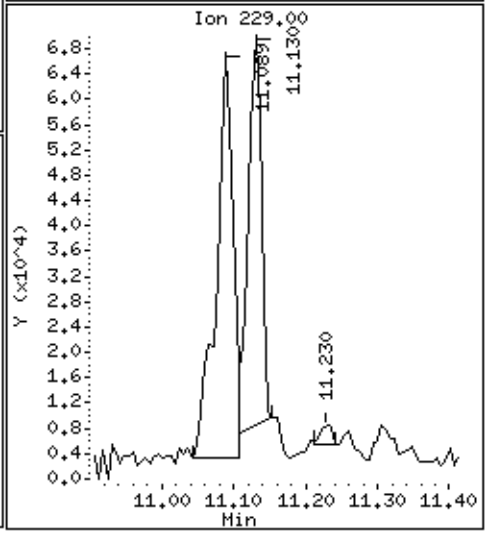


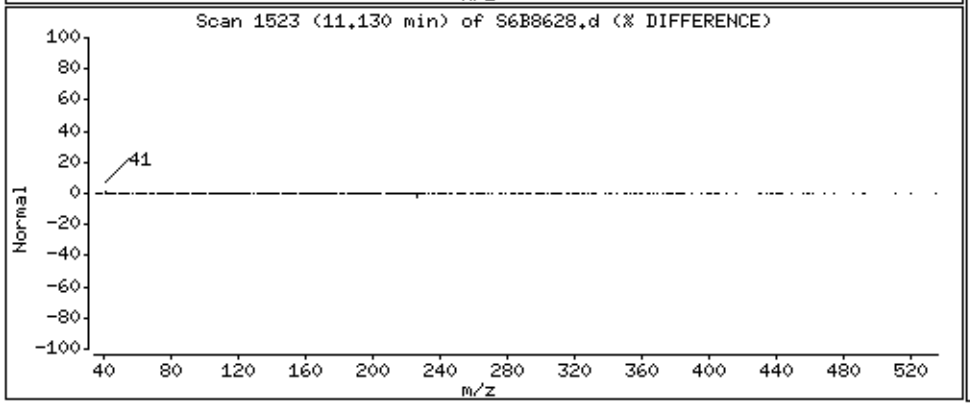












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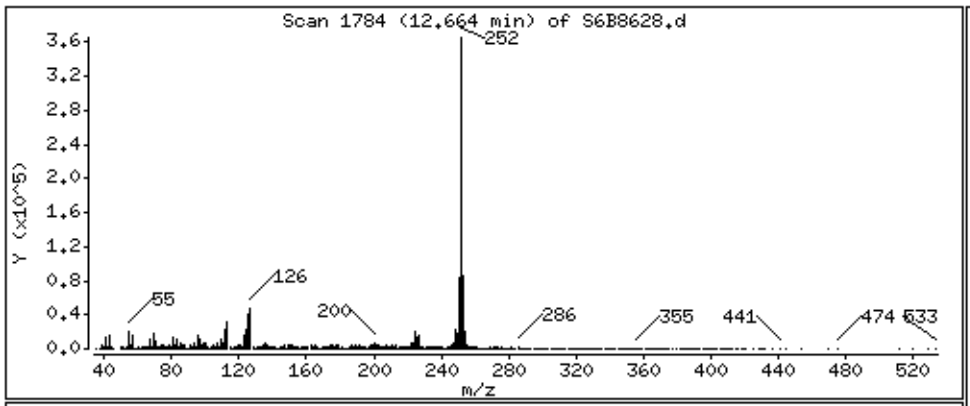
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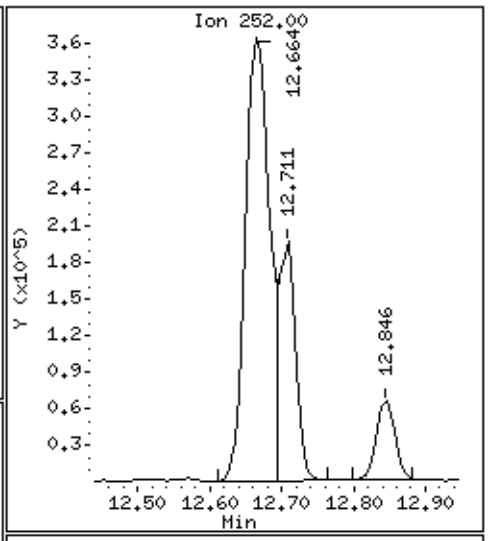
Sample Info: N1194-01A,,78074

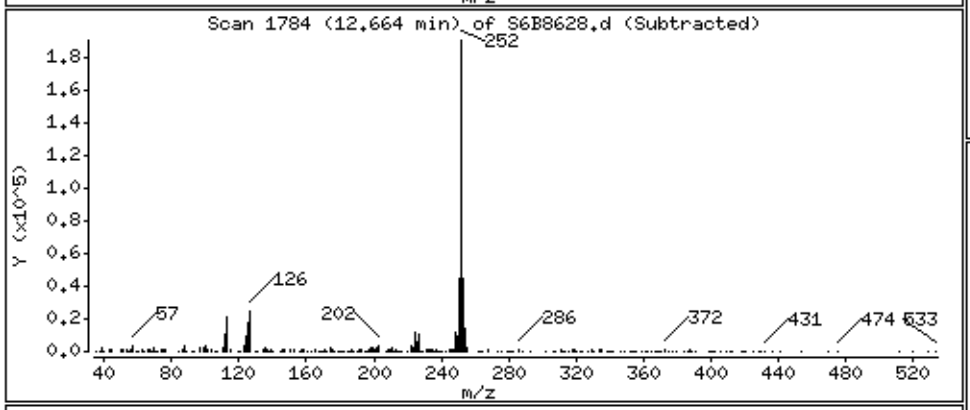
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

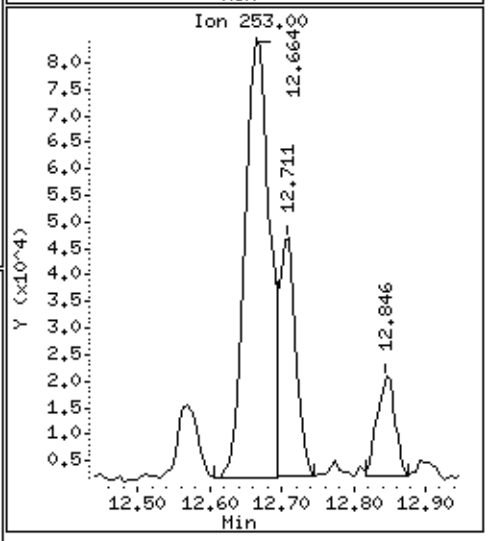
Column phase: Rxi-5Sil MS Column diameter: 0.25

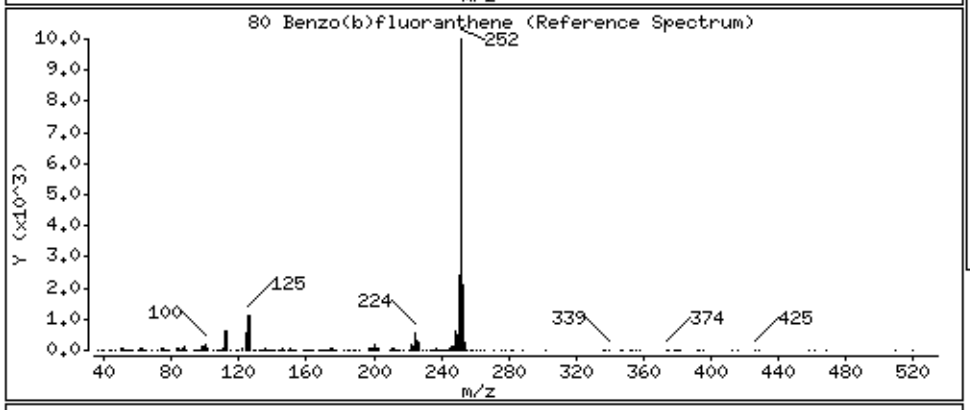
80 Benzo(b)fluoranthene Concentration: 1600 ug/Kg

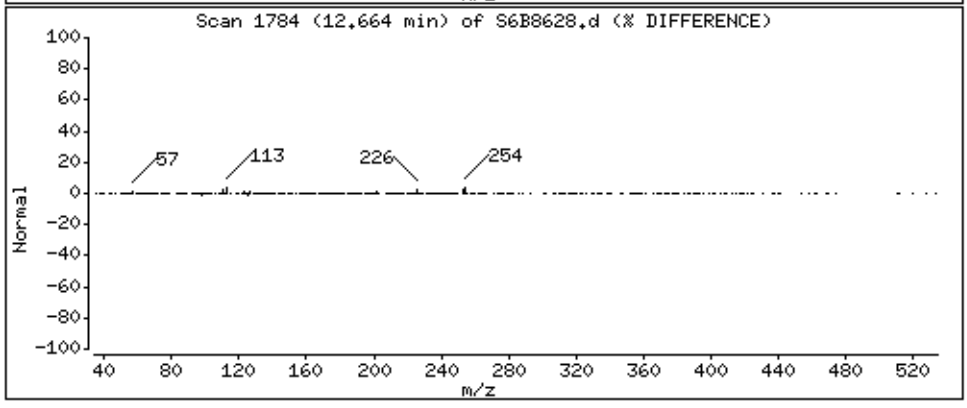












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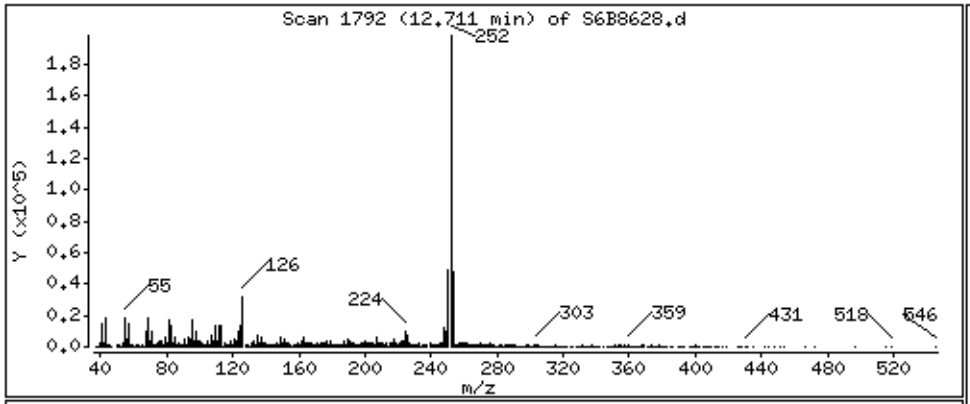
Client ID: SS-11-071014 Instrument: S6.i

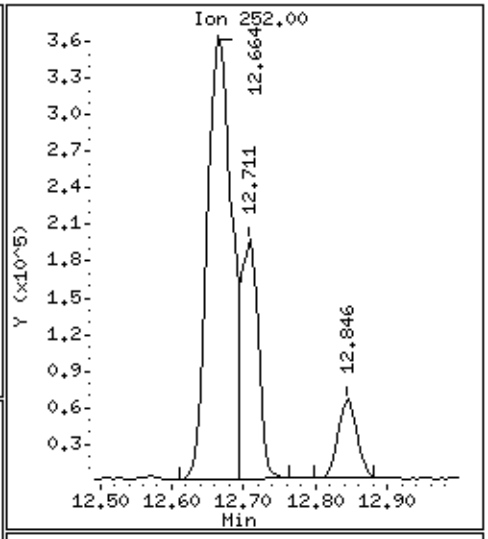
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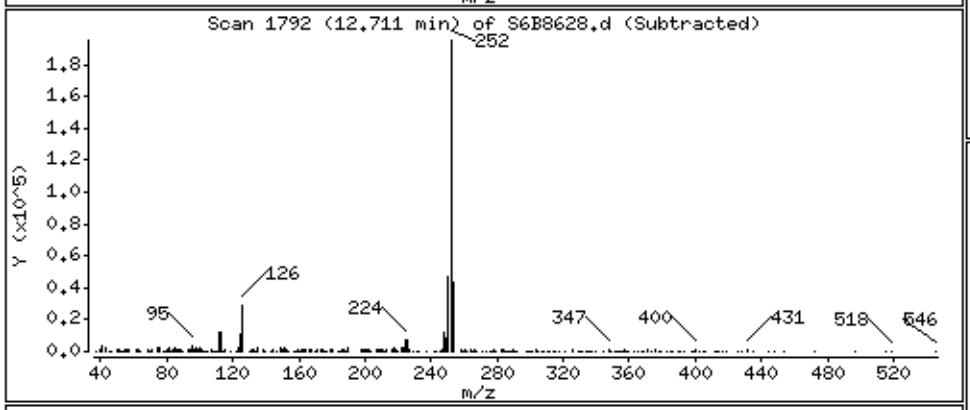
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

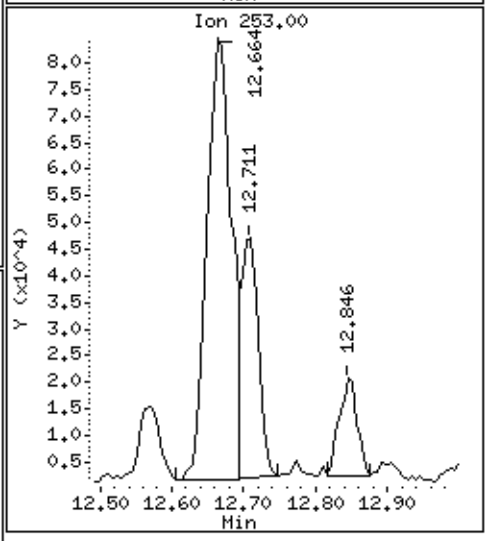
Column phase: Rxi-5Sil MS Column diameter: 0.25

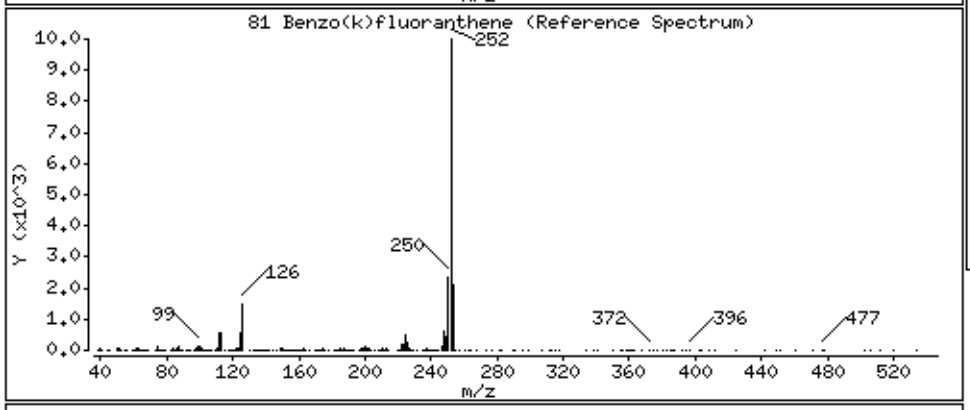
81 Benzo(k)fluoranthene Concentration: 660 ug/Kg

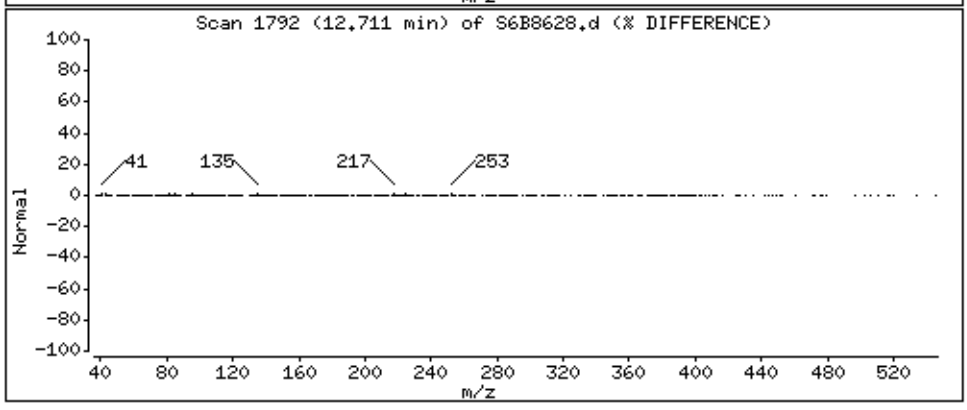












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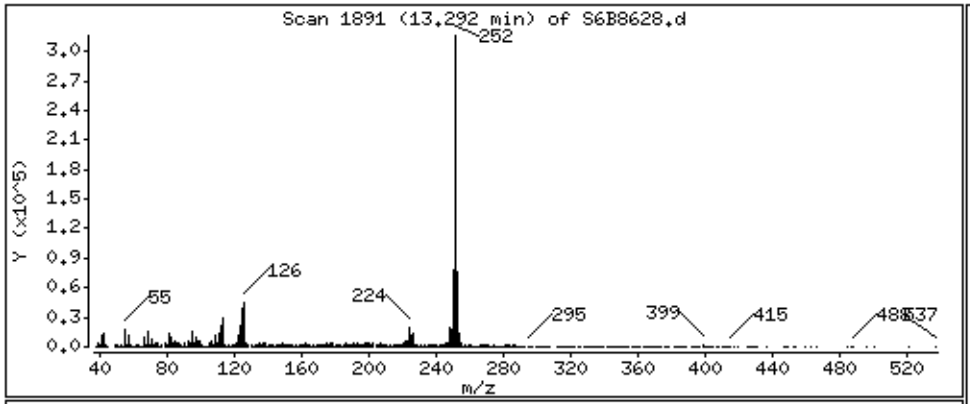
Client ID: SS-11-071014 Instrument: S6.i

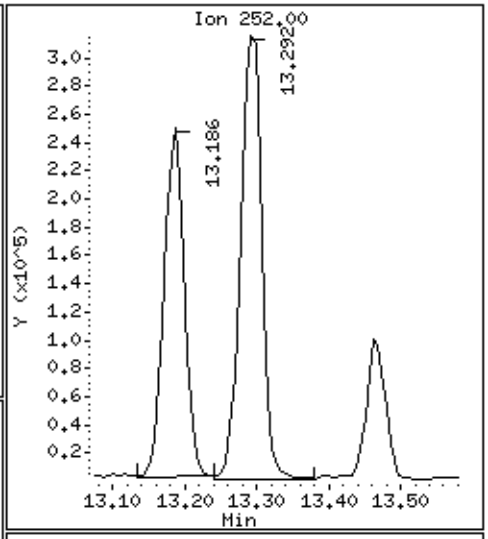
Sample Info: N1194-01A,,78074

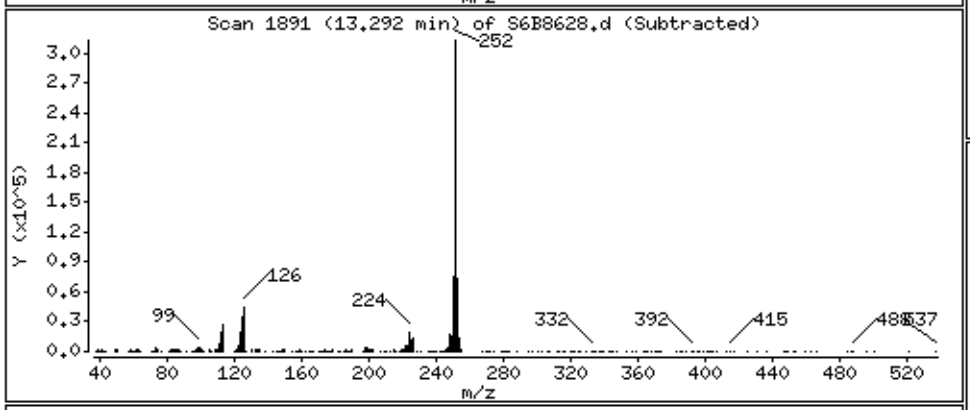
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

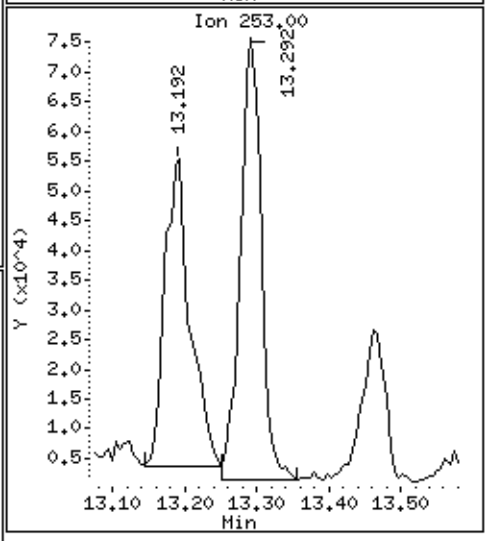
Column phase: Rxi-5Sil MS Column diameter: 0.25

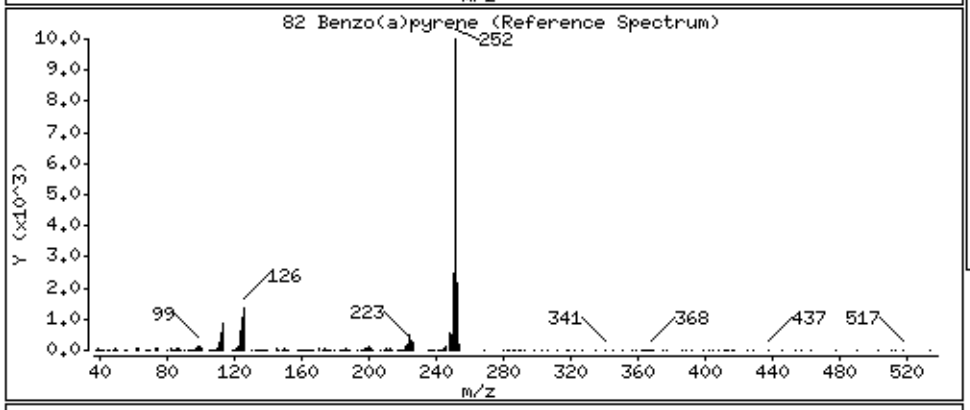
82 Benzo(a)pyrene Concentration: 1300 ug/Kg

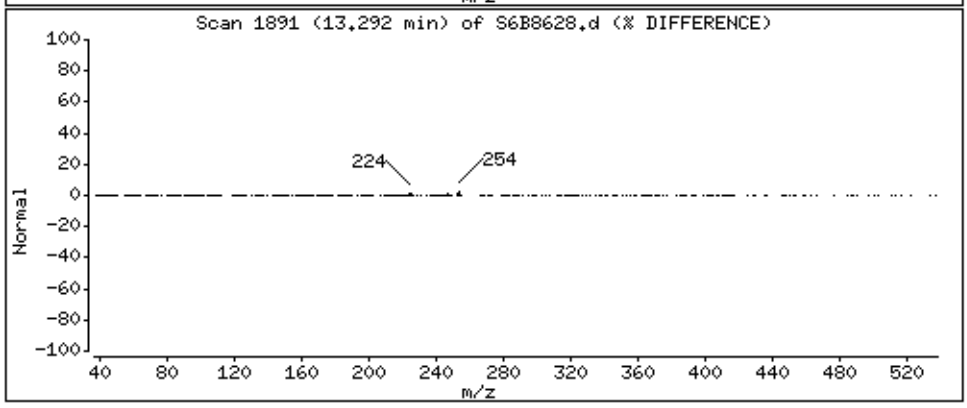












Data File: \\avogadro\organics\S6.I\140717.B\S6B8628.d

Date : 17-JUL-2014 15:26

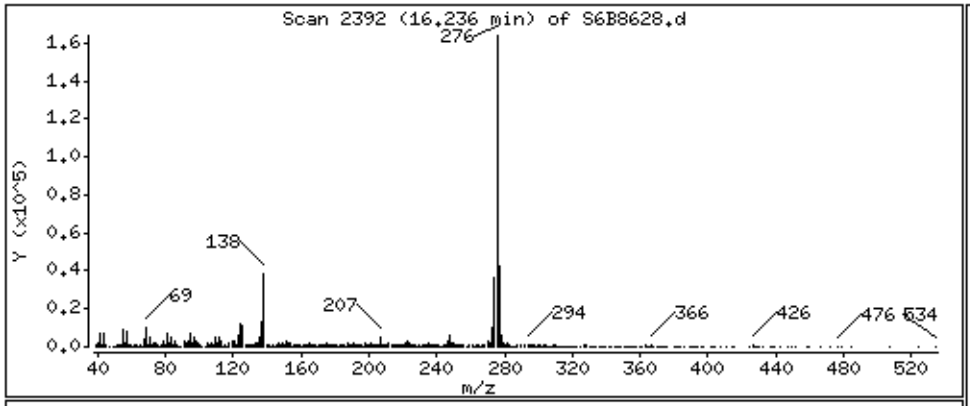
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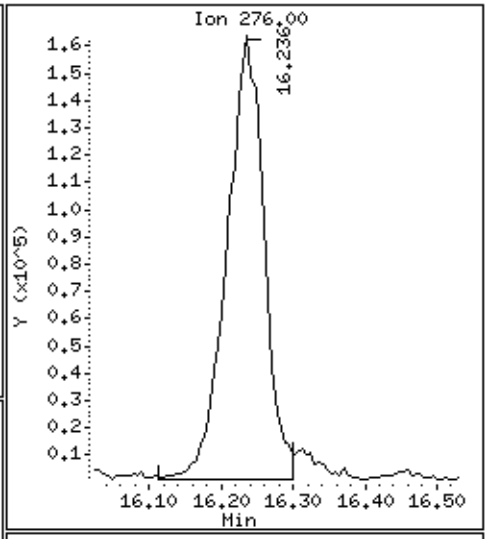
Sample Info: N1194-01A,,78074

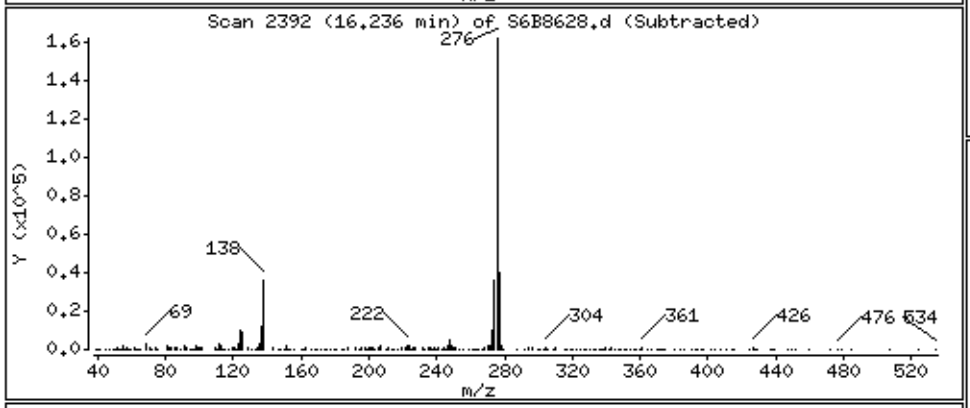
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

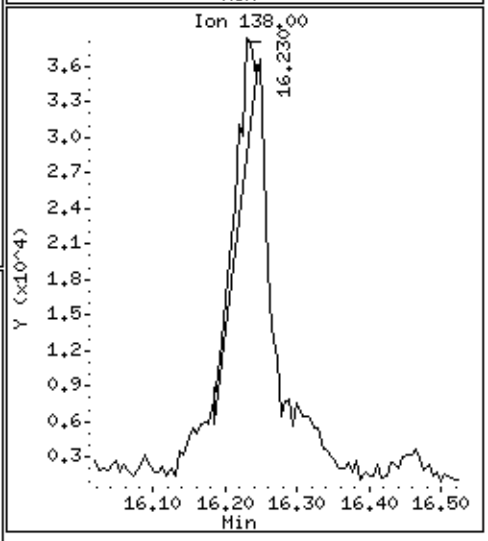
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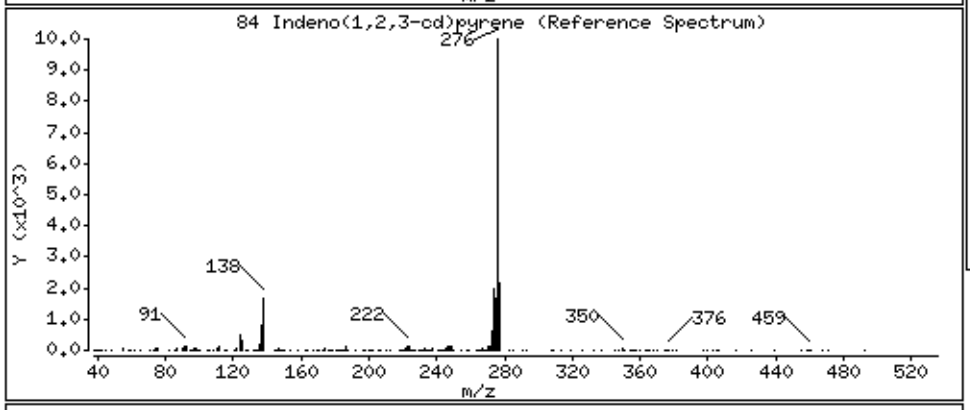
84 Indeno(1,2,3-cd)pyrene Concentration: 1300 ug/Kg

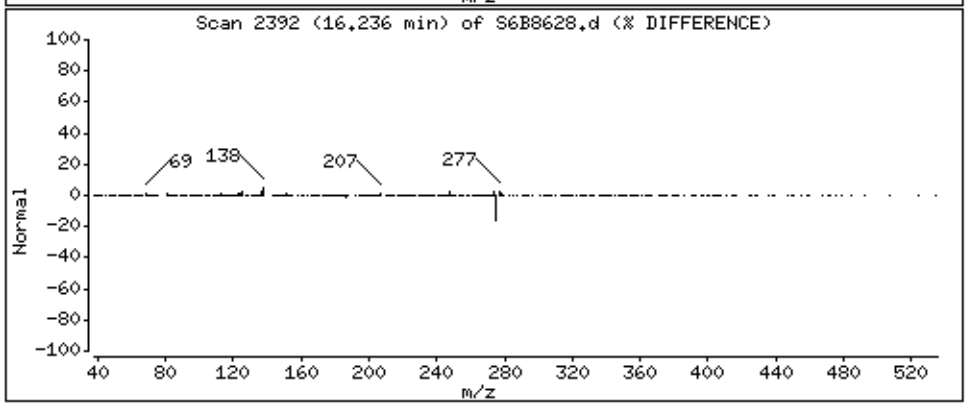












Data File: \\avogadro\organics\S6.I\140717.B\S6B8628.d

Date : 17-JUL-2014 15:26

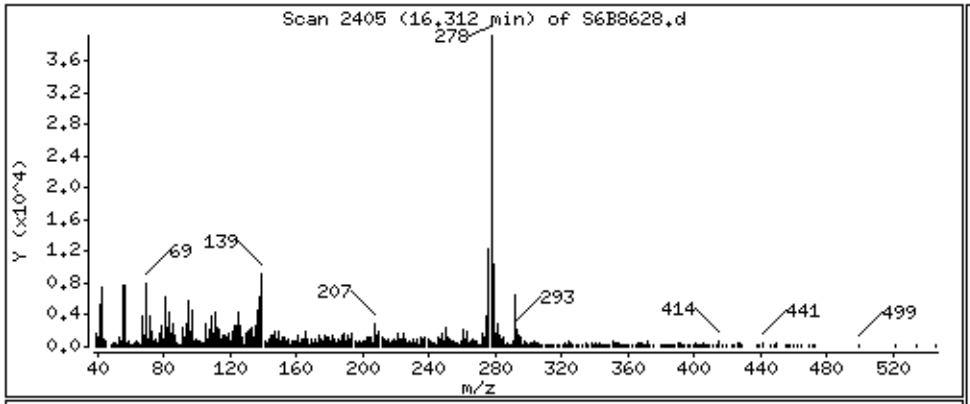
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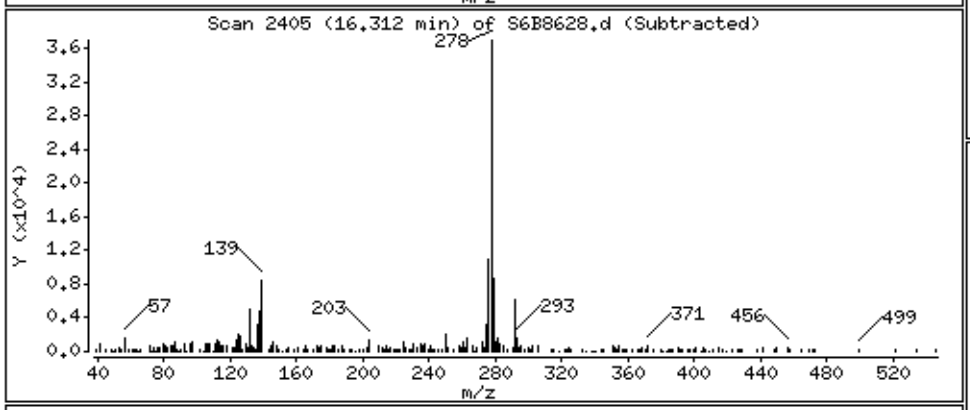
Sample Info: N1194-01A,,78074

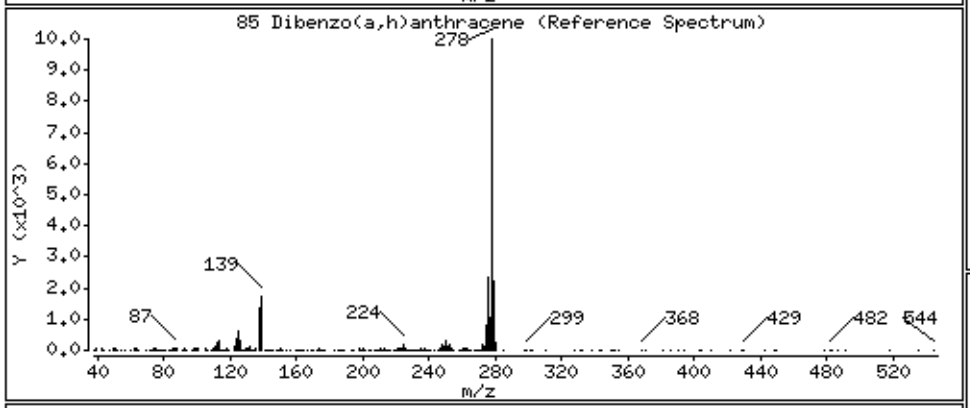
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

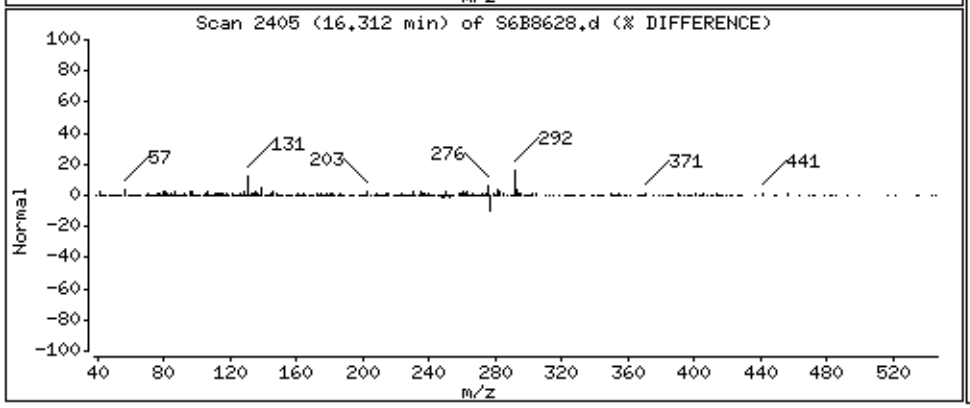
Column phase: Rxi-5Sil MS Column diameter: 0.25

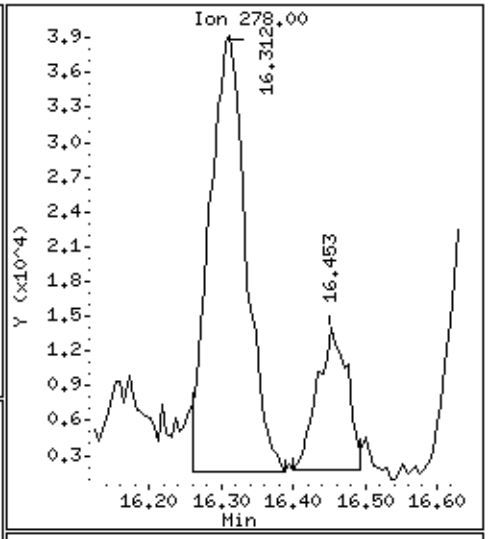
85 Dibenzo(a,h)anthracene Concentration: 310 ug/Kg

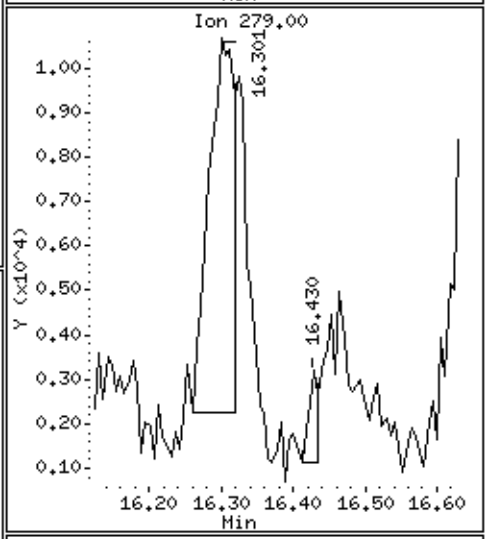


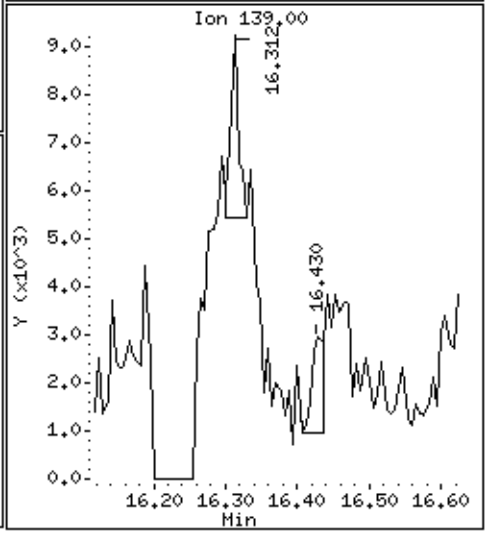












Data File: \\avogadro\organics\S6.I\140717.B\S6B8628.d

Date : 17-JUL-2014 15:26

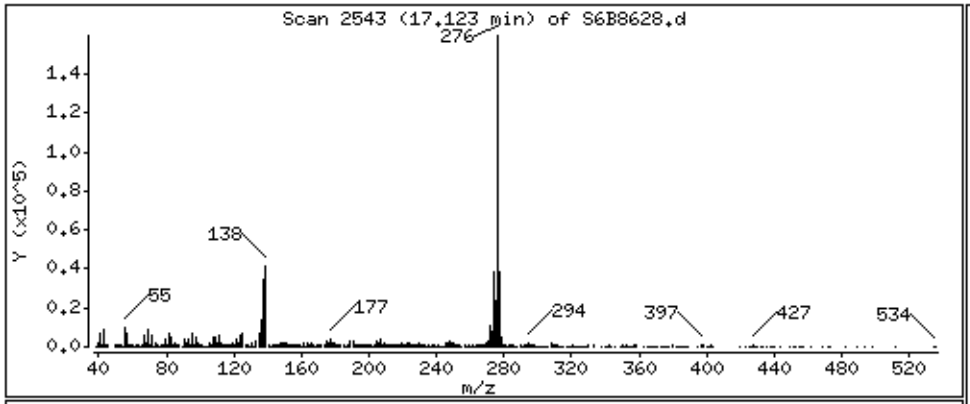
Client ID: SS-11-071014 Instrument: S6.i

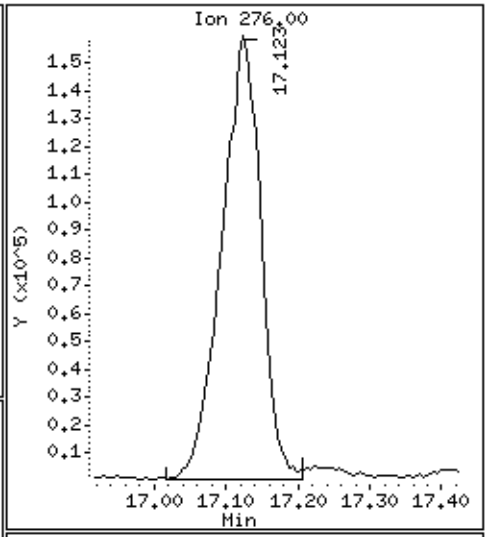
Sample Info: N1194-01A,,78074

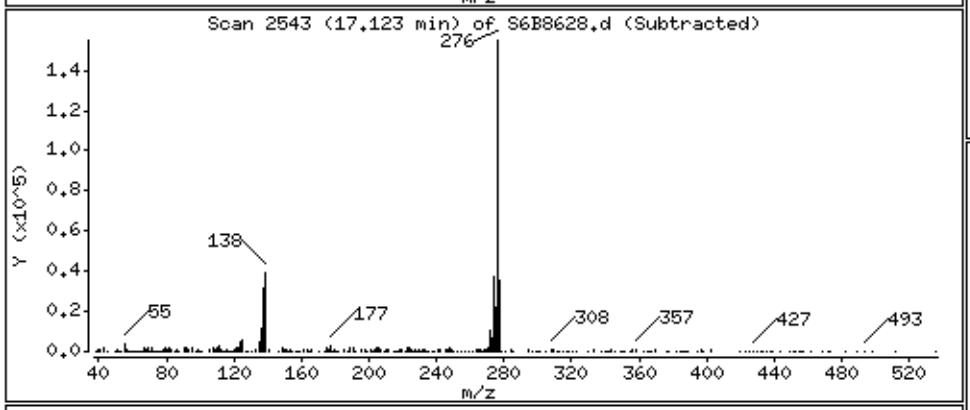
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

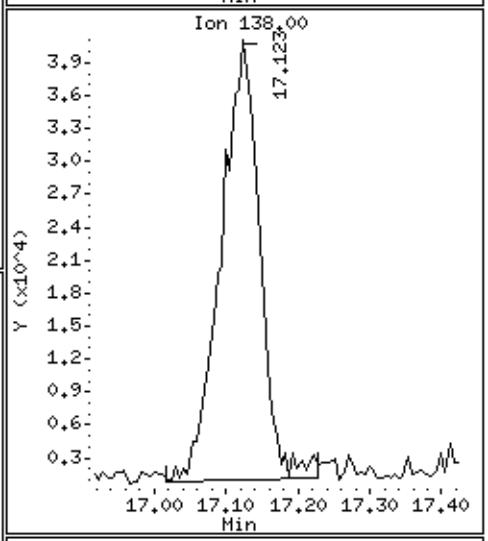
Column phase: Rxi-5Sil MS Column diameter: 0.25

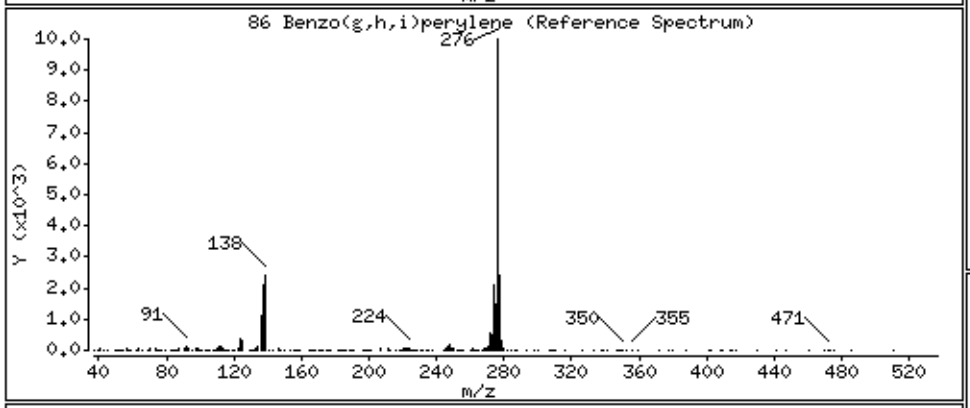
86 Benzo(g,h,i)perylene Concentration: 1300 ug/Kg

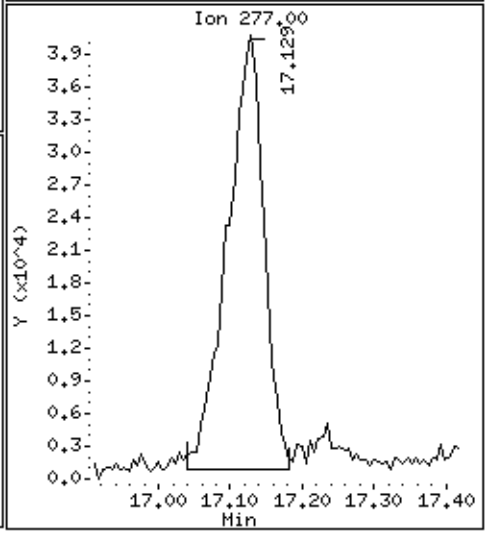


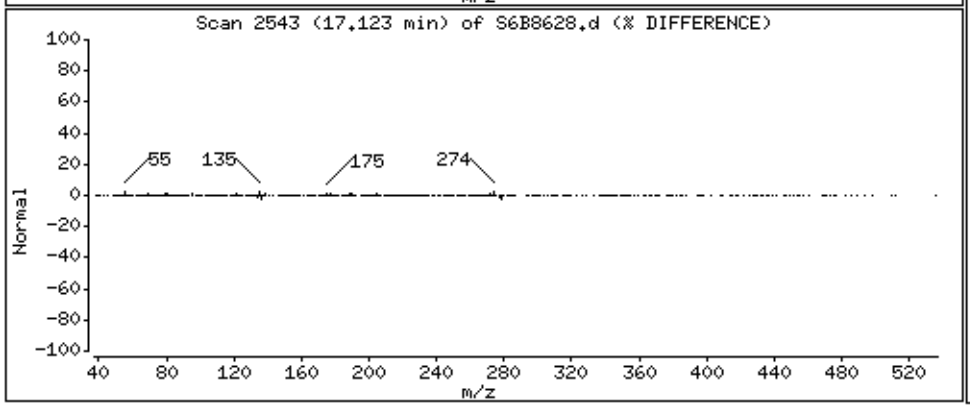












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-12-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-02A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8631.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	170	J
208-96-8	Acenaphthylene	120	J
83-32-9	Acenaphthene	190	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	600	
120-12-7	Anthracene	210	J
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1400	
56-55-3	Benzo(a)anthracene	1300	
218-01-9	Chrysene	1800	
205-99-2	Benzo(b)fluoranthene	3100	
207-08-9	Benzo(k)fluoranthene	1200	
50-32-8	Benzo(a)pyrene	2400	
193-39-5	Indeno(1,2,3-cd)pyrene	2500	
53-70-3	Dibenzo(a,h)anthracene	590	
191-24-2	Benzo(g,h,i)perylene	2400	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8631.d
Report Date: 18-Jul-2014 15:42

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8631.d
Lab Smp Id: N1194-02A Client Smp ID: SS-12-071014
Inj Date : 17-JUL-2014 16:36
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-02A,,78074
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	3.844	3.832	(0.775)	349634	37.3270	2500
$ 5 Phenol-d5	99	4.660	4.655	(0.940)	436482	36.5016	2400
* 12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	282785	40.0000	
$ 22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	439277	44.9244	3000
* 31 Naphthalene-d8	136	6.035	6.035	(1.000)	948684	40.0000	
32 Naphthalene	128	6.053	6.053	(1.003)	52369	2.19070	150(a)
36 2-Methylnaphthalene	142	6.629	6.629	(1.098)	28809	1.74178	120(a)
$ 41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	910808	44.1488	2900
46 Acenaphthylene	152	7.381	7.381	(0.984)	41863	1.50559	100(a)
* 48 Acenaphthene-d10	164	7.498	7.498	(1.000)	589520	40.0000	
49 Acenaphthene	153	7.522	7.528	(1.003)	42220	2.35511	160(a)
$ 60 2,4,6-Tribromophenol	330	8.150	8.156	(0.934)	115638	44.9900	3000
* 64 Phenanthrene-d10	188	8.726	8.732	(1.000)	1116462	40.0000	
65 Phenanthrene	178	8.750	8.756	(1.003)	228057	7.56468	500(a)
66 Anthracene	178	8.791	8.797	(1.007)	83072	2.70446	180(a)
67 Carbazole	167	8.920	8.926	(1.022)	36909	1.33707	89(a)
69 Fluoranthene	202	9.743	9.749	(1.116)	661071	19.1598	1300
71 Pyrene	202	9.937	9.949	(0.894)	685856	17.8218	1200
$ 72 Terphenyl-d14	244	10.054	10.060	(0.905)	1077657	43.1138	2900

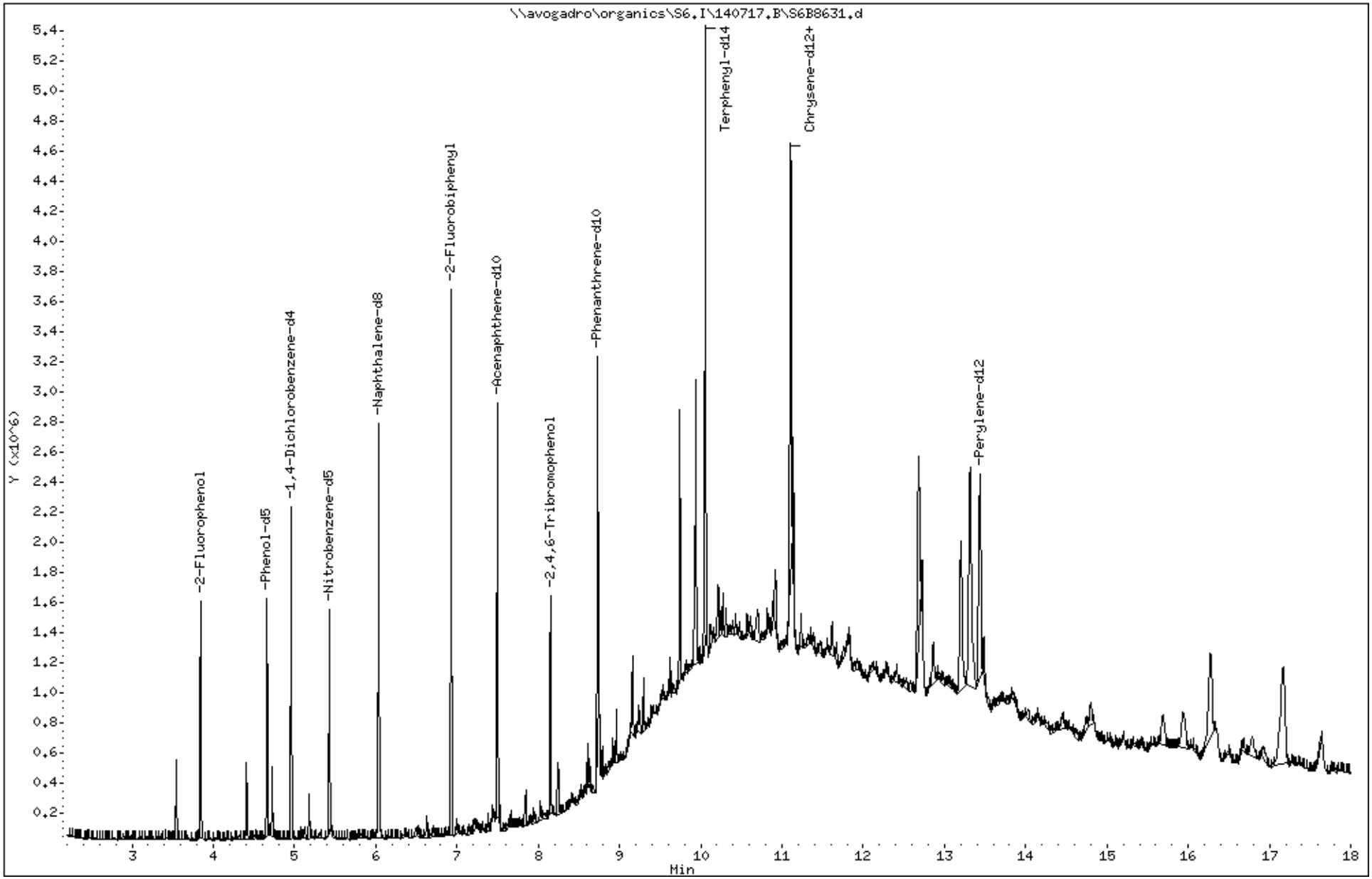
Data File: \\avogadro\organics\S6.I\140717.B\S6B8631.d
Report Date: 18-Jul-2014 15:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
75	Benzo(a)anthracene	228	11.094	11.112	(0.998)	604917	16.9557	1100
* 76	Chrysene-d12	240	11.112	11.130	(1.000)	1249518	40.0000	
77	Chrysene	228	11.141	11.159	(1.003)	743377	22.7029	1500
80	Benzo(b)fluoranthene	252	12.680	12.692	(0.944)	1511673	39.5571	2600
81	Benzo(k)fluoranthene	252	12.722	12.745	(0.947)	566190	14.5921	970
82	Benzo(a)pyrene	252	13.315	13.327	(0.991)	1097574	30.1035	2000
* 83	Perylene-d12	264	13.438	13.450	(1.000)	1299822	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.276	16.277	(1.211)	1001926	31.4945	2100
85	Dibenzo(a,h)anthracene	278	16.341	16.376	(1.216)	231762	7.48785	500(a)
86	Benzo(g,h,i)perylene	276	17.164	17.170	(1.277)	1006788	30.6453	2000

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\avogadro\organics\S6.I\140717.B\S6B8631.d
Date : 17-JUL-2014 16:36
Client ID: SS-12-071014
Instrument: S6.i
Sample Info: N1194-02A,,78074
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8631.d

Date : 17-JUL-2014 16:36

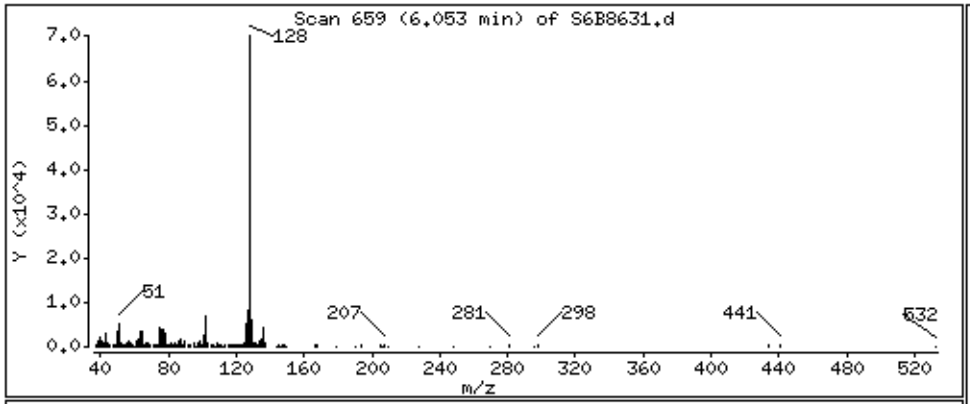
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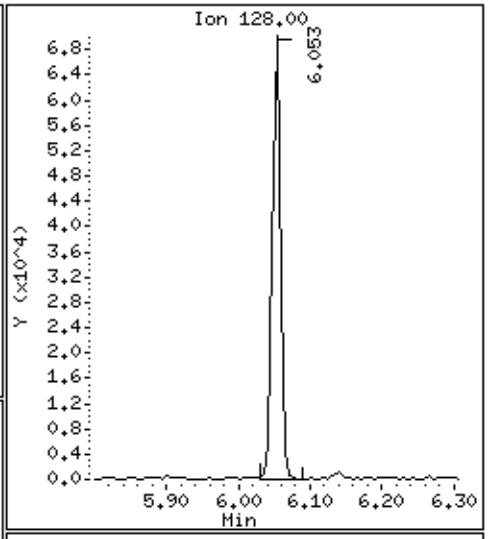
Sample Info: N1194-02A,,78074

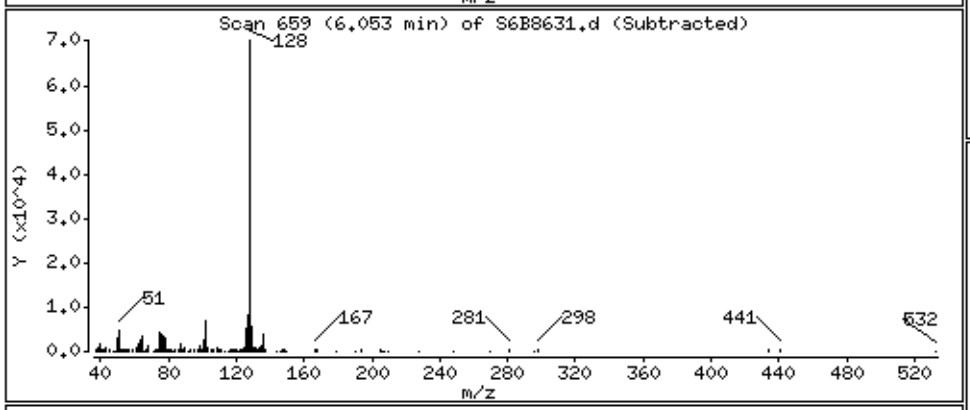
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

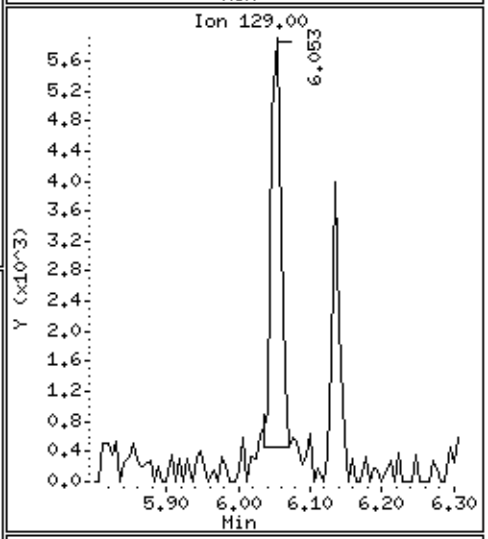
Column phase: Rxi-5Sil MS Column diameter: 0.25

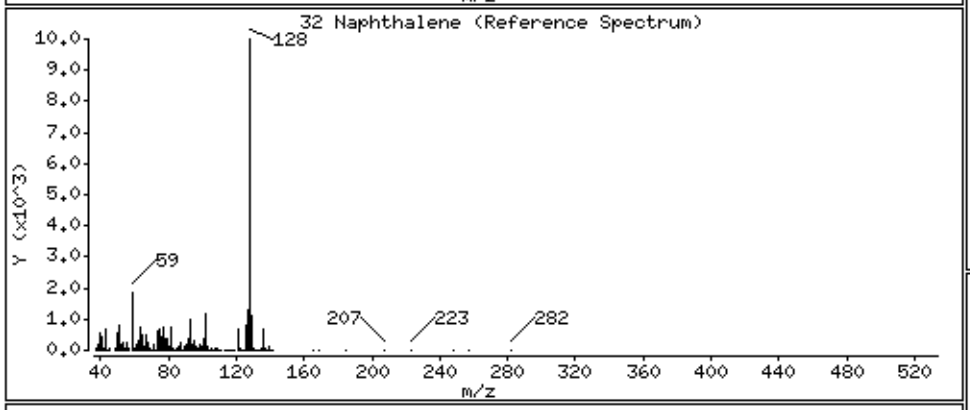
32 Naphthalene Concentration: 150 ug/Kg

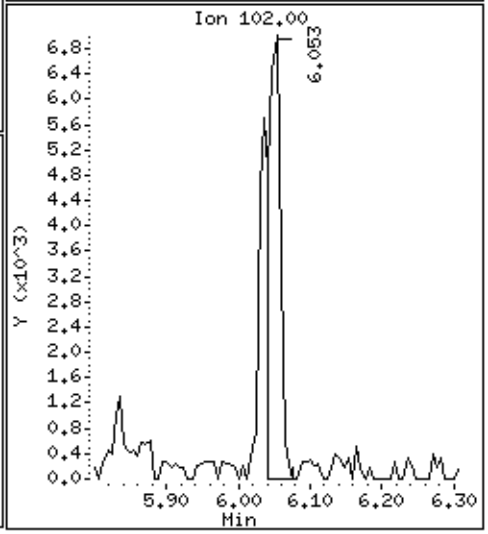


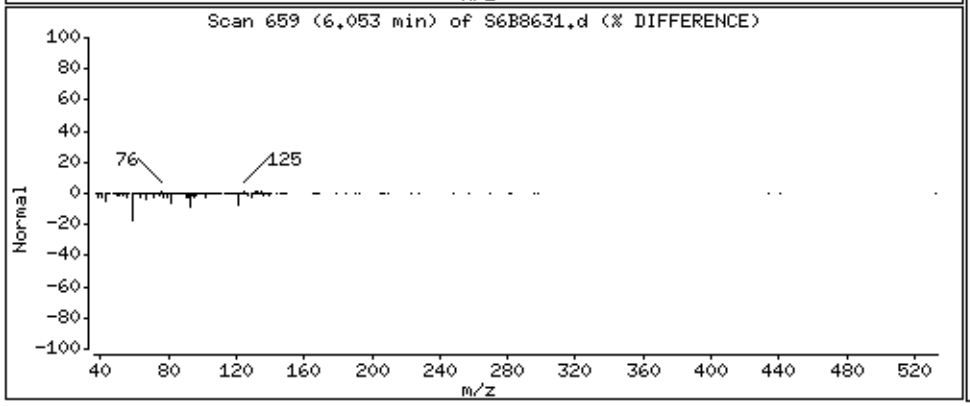












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Date : 17-JUL-2014 16:36

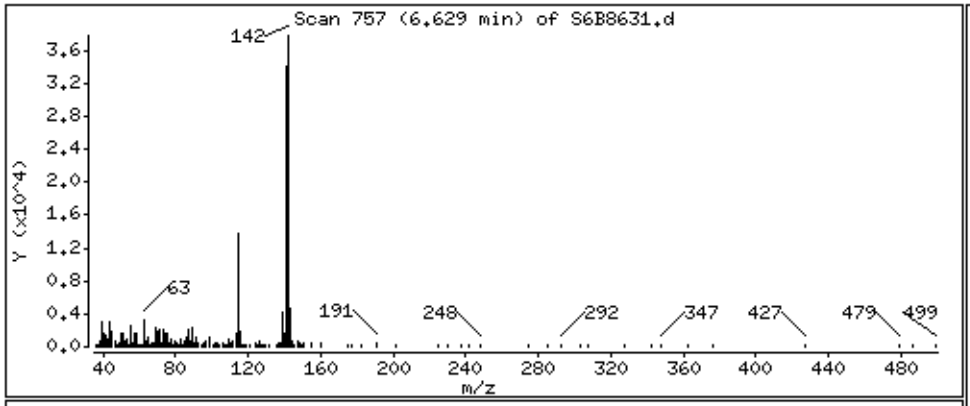
Client ID: SS-12-071014 Instrument: S6.i

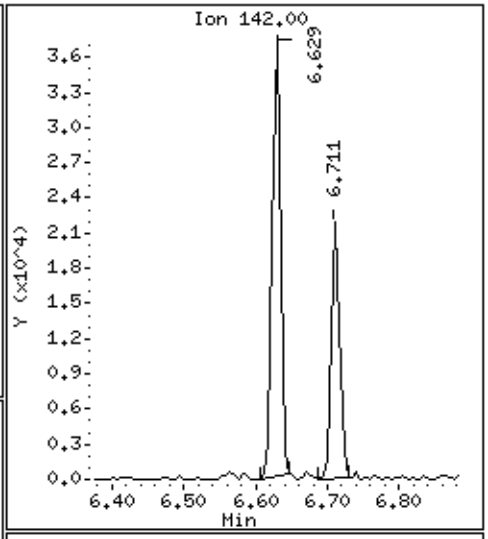
Sample Info: N1194-02A,,78074

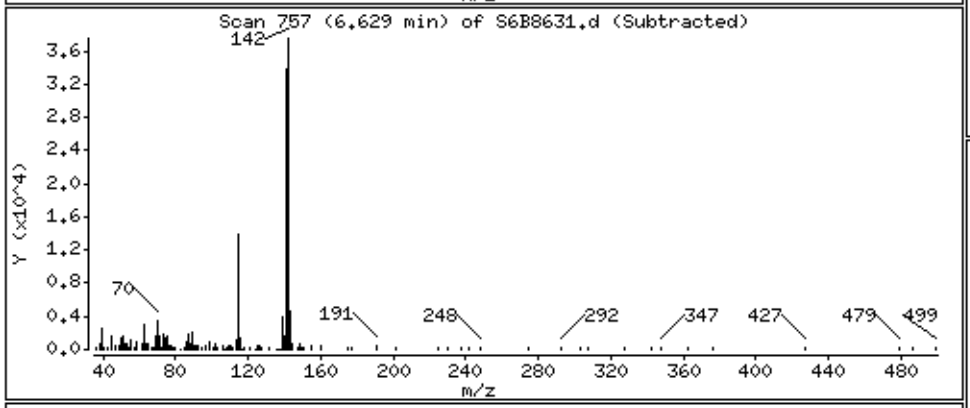
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

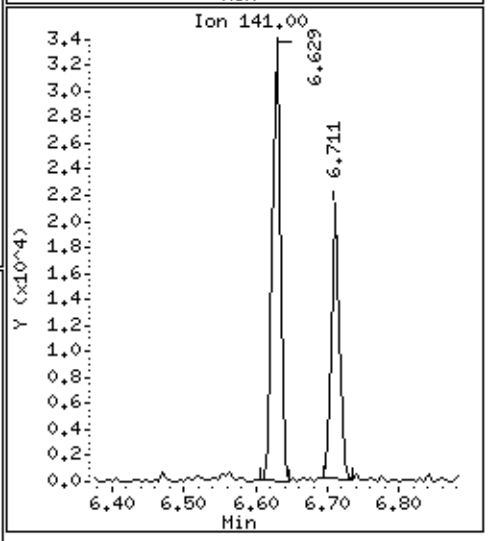
Column phase: Rxi-5Sil MS Column diameter: 0.25

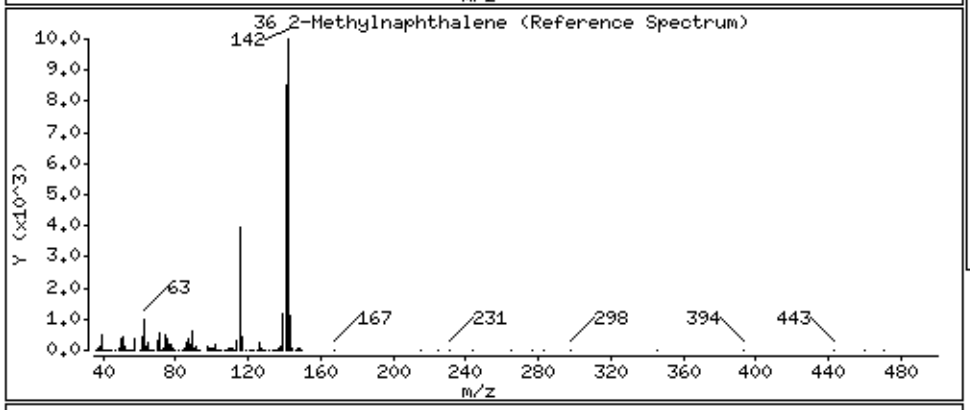
36 2-Methylnaphthalene Concentration: 120 ug/Kg

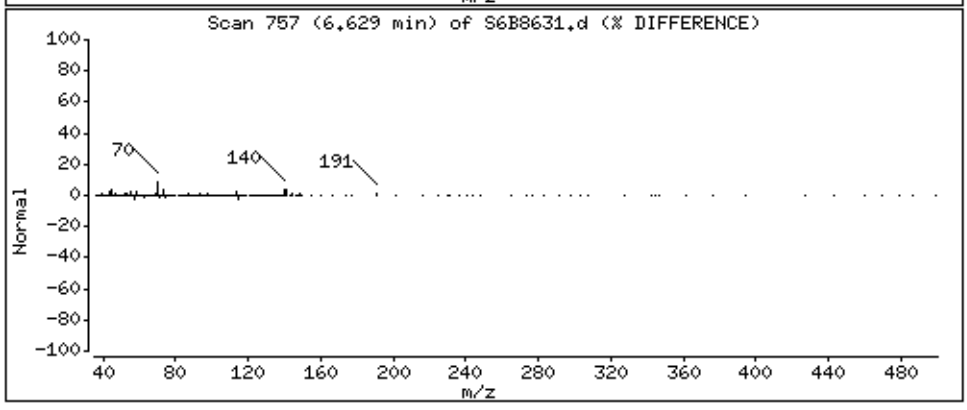












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Date : 17-JUL-2014 16:36

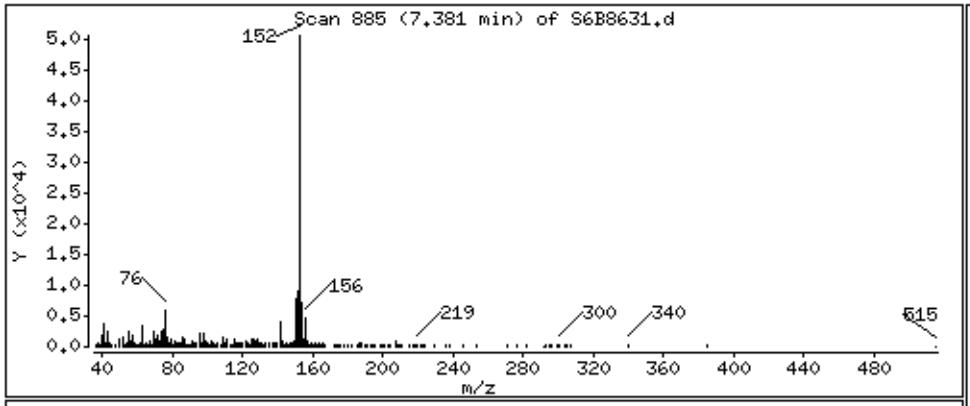
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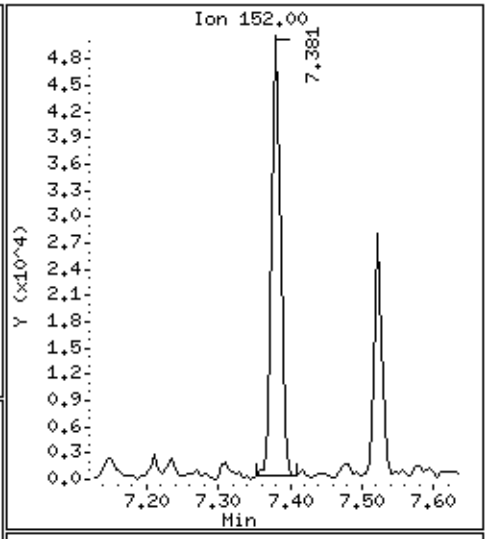
Sample Info: N1194-02A,,78074

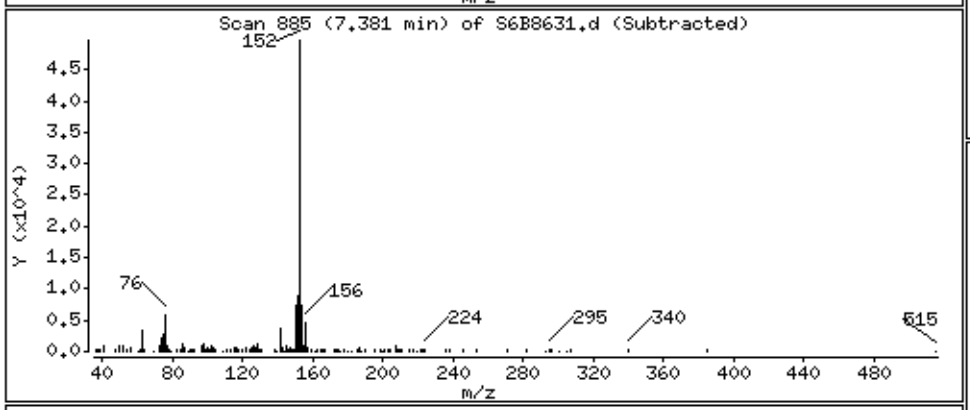
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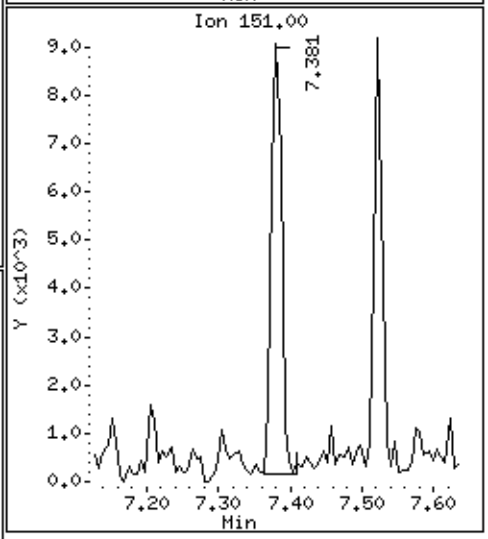
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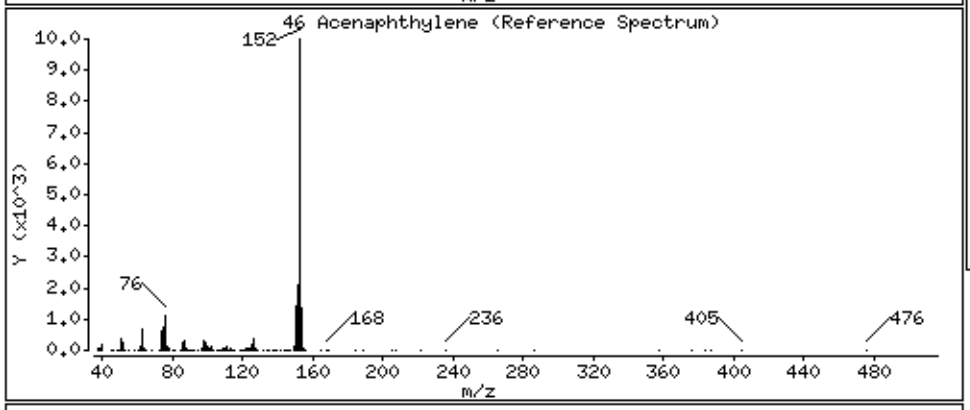
46 Acenaphthylene Concentration: 100 ug/Kg

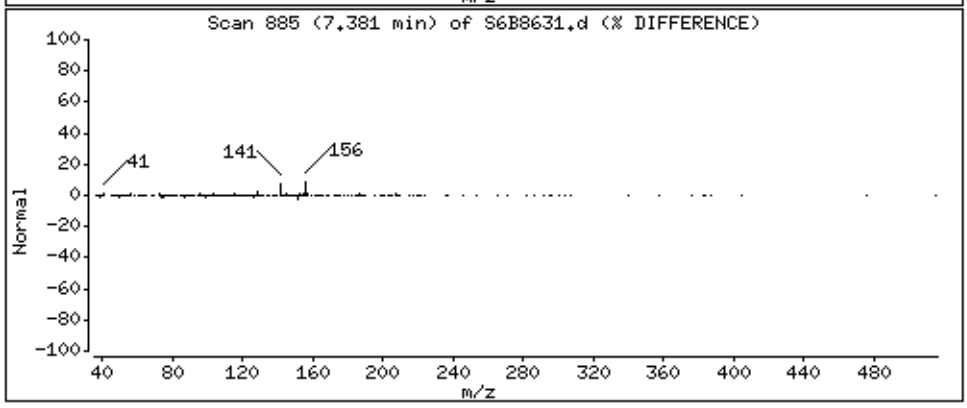












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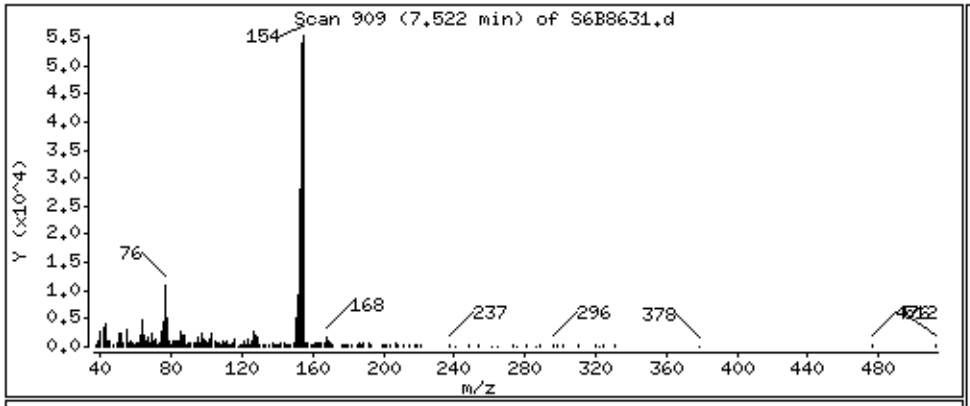
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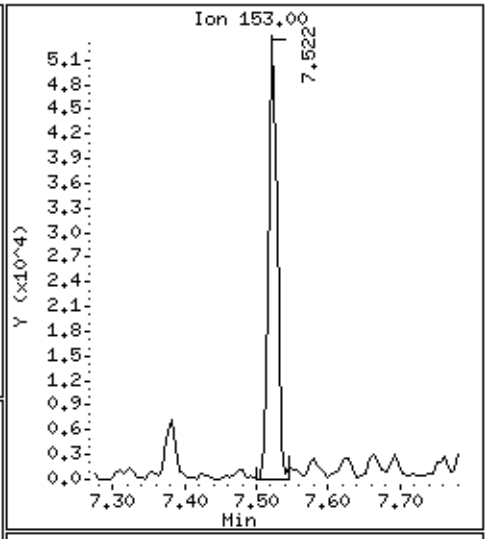
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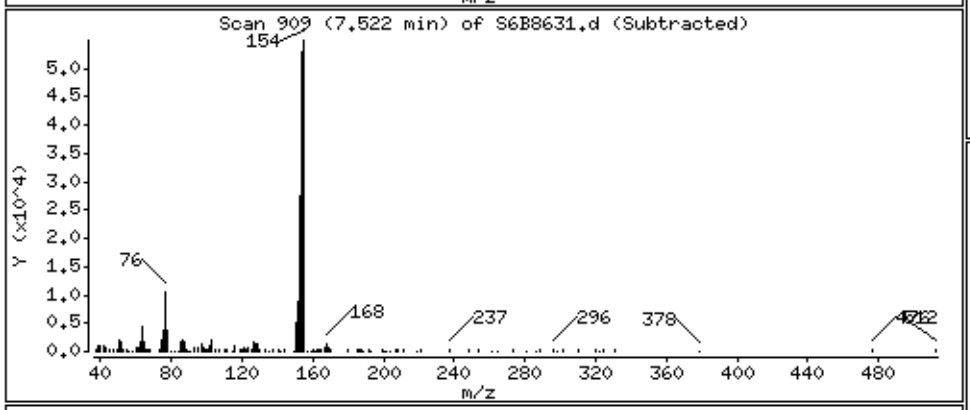
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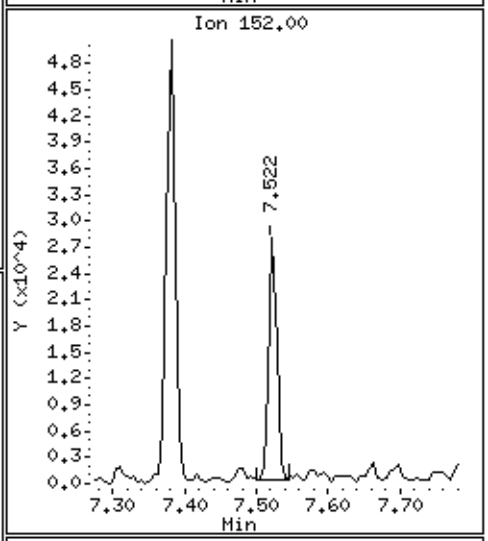
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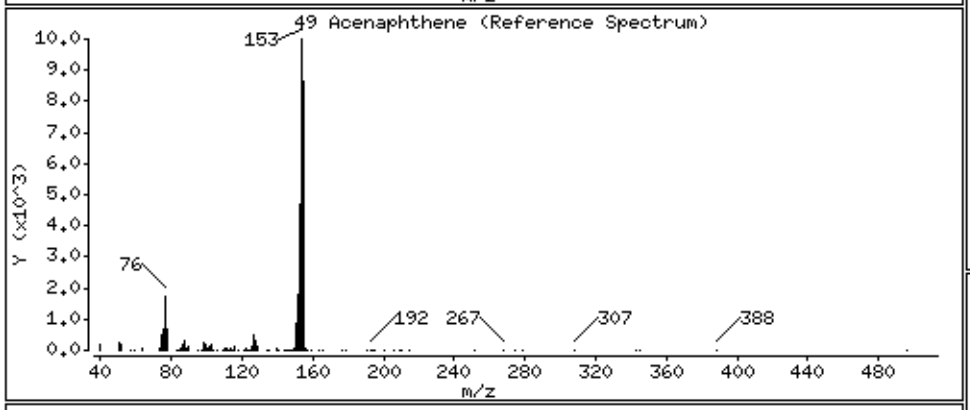
49 Acenaphthene Concentration: 160 ug/Kg

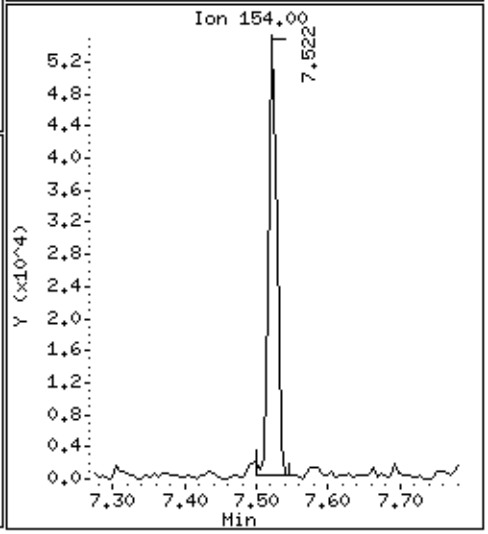


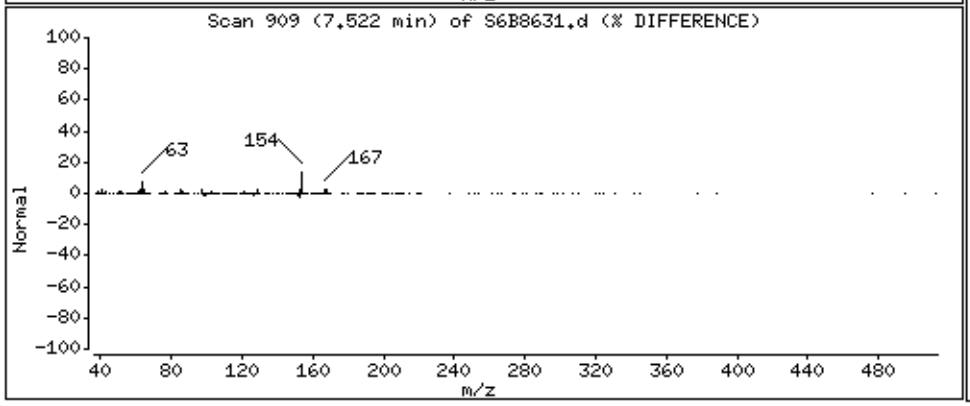












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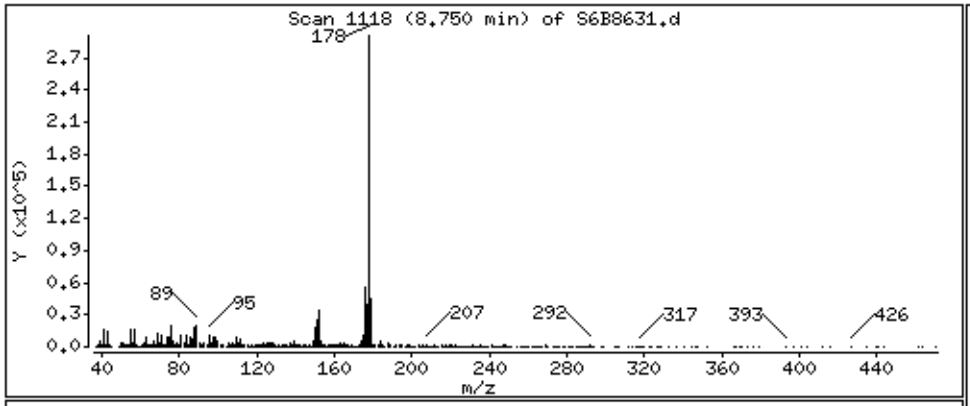
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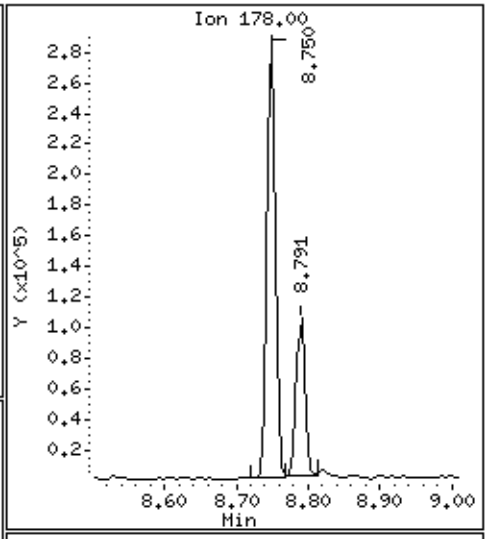
Sample Info: N1194-02A,,78074

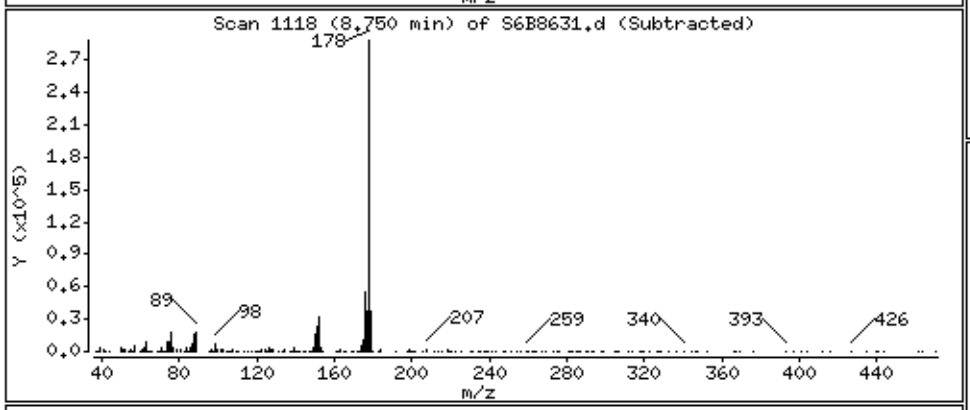
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

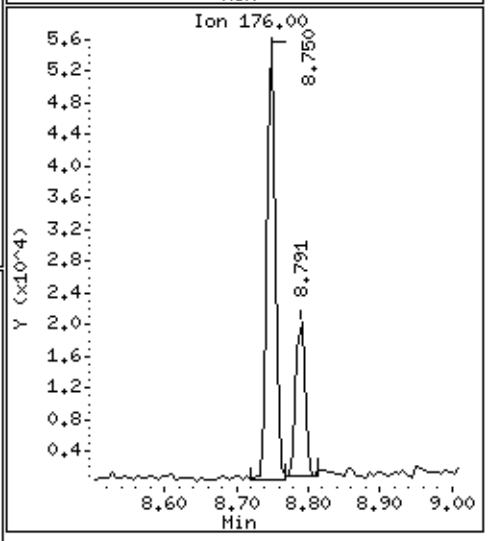
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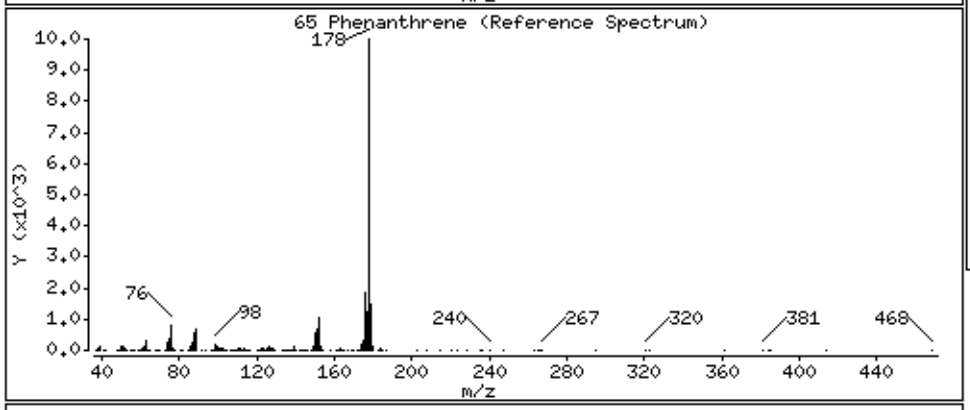
65 Phenanthrene Concentration: 500 ug/Kg

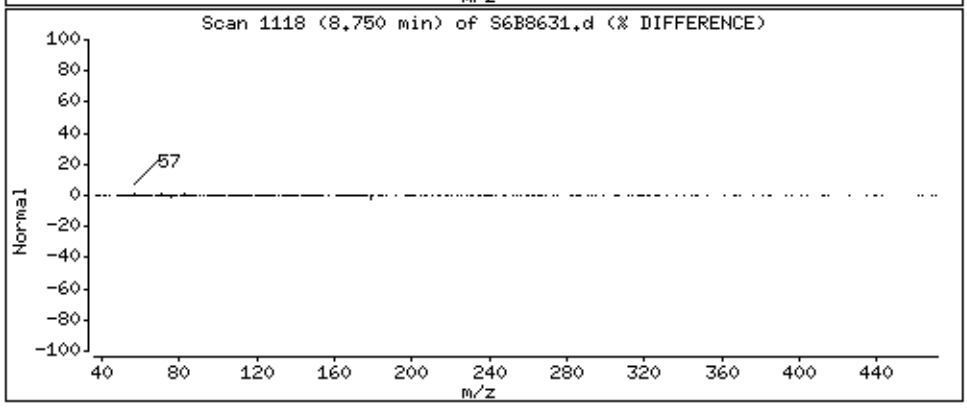












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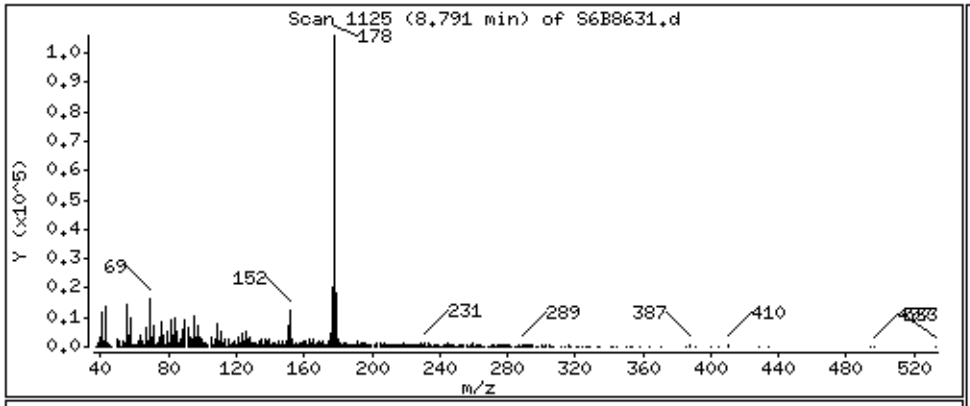
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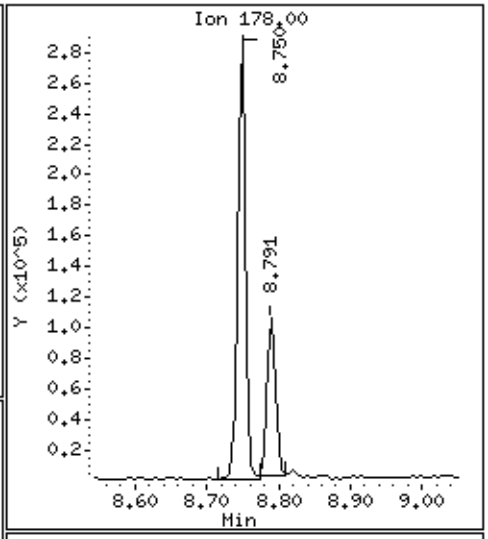
Sample Info: N1194-02A,,78074

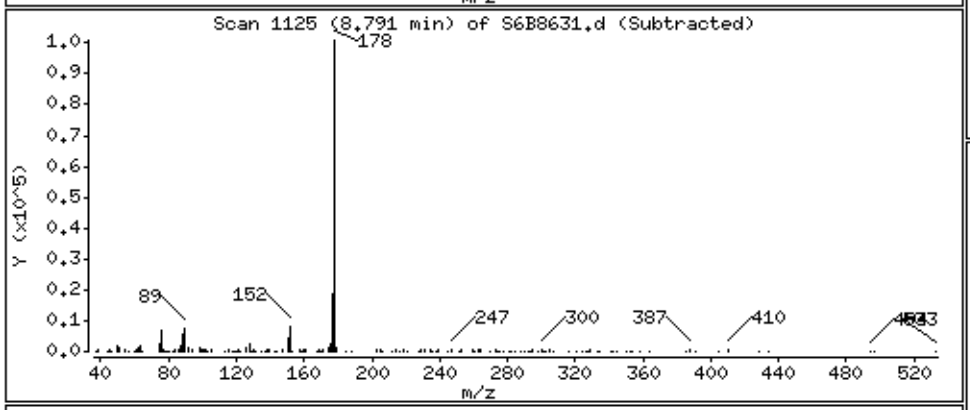
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

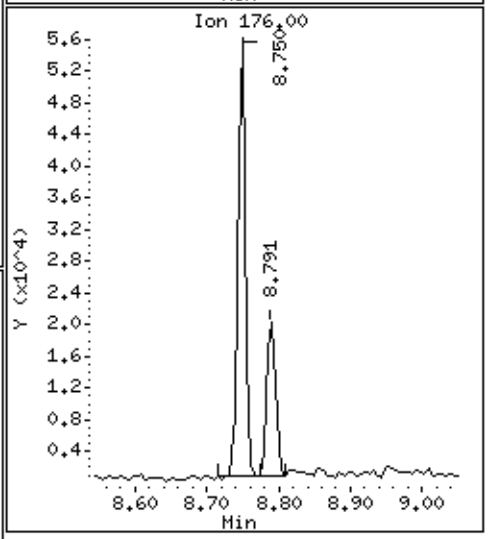
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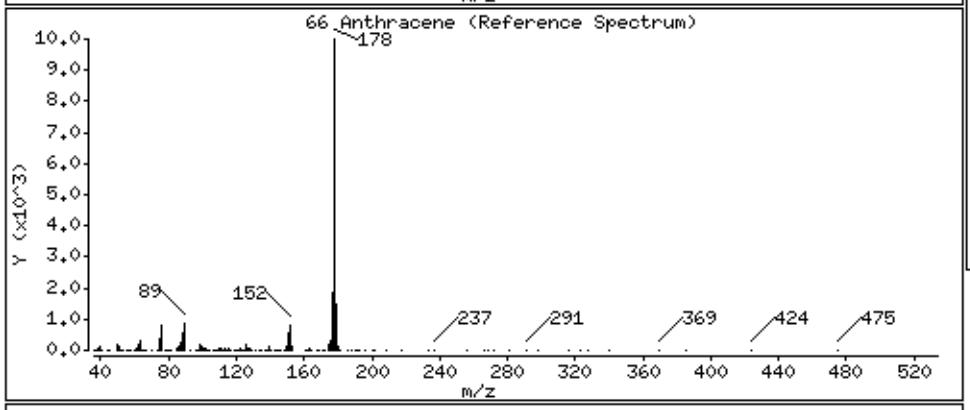
66 Anthracene Concentration: 180 ug/Kg

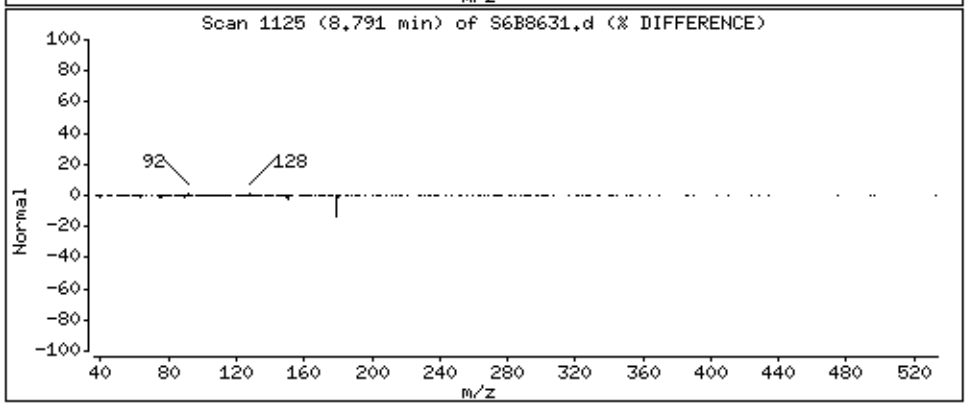












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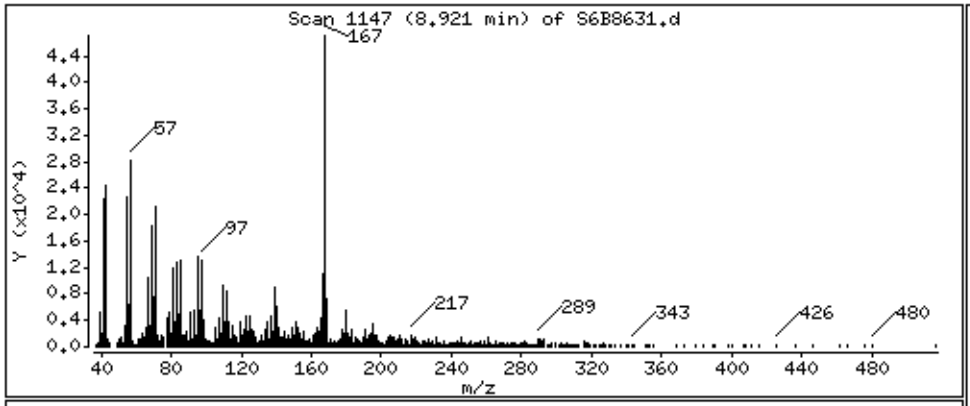
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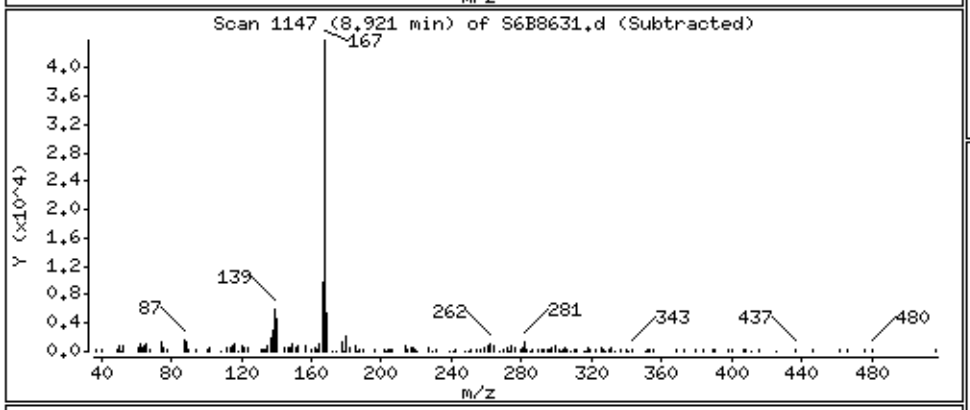
Sample Info: N1194-02A,,78074

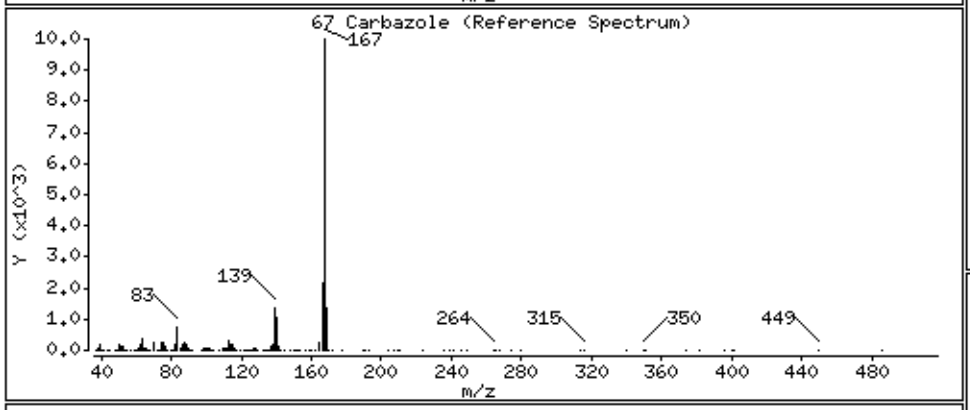
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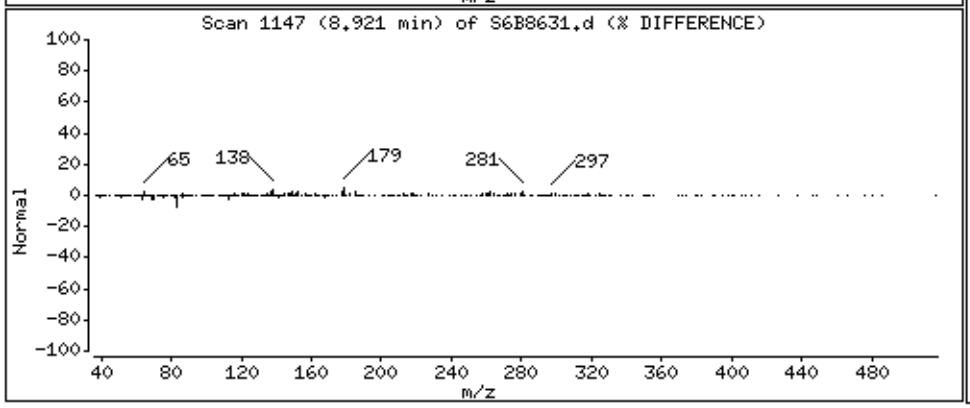
Column phase: Rxi-5Sil MS Column diameter: 0.25

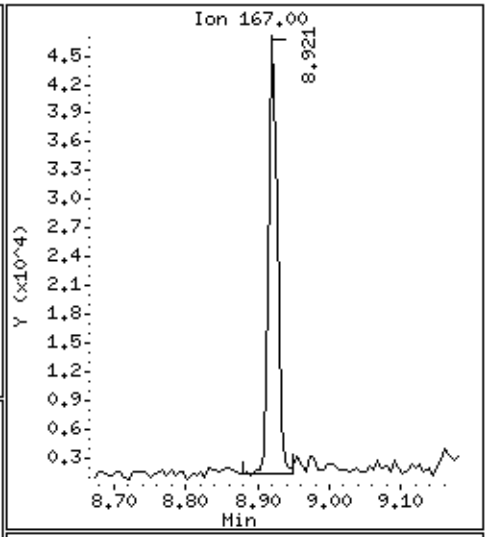
67 Carbazole Concentration: 89 ug/Kg

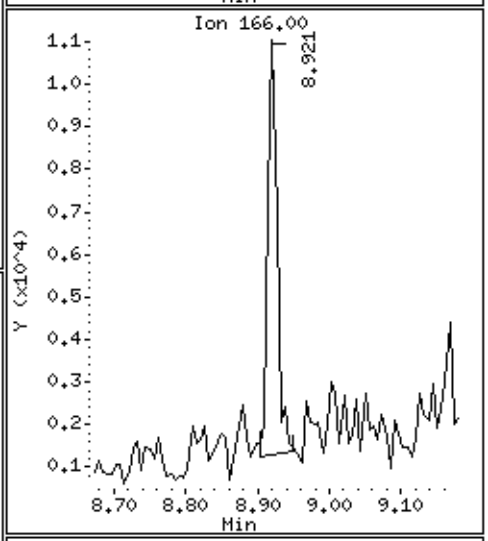


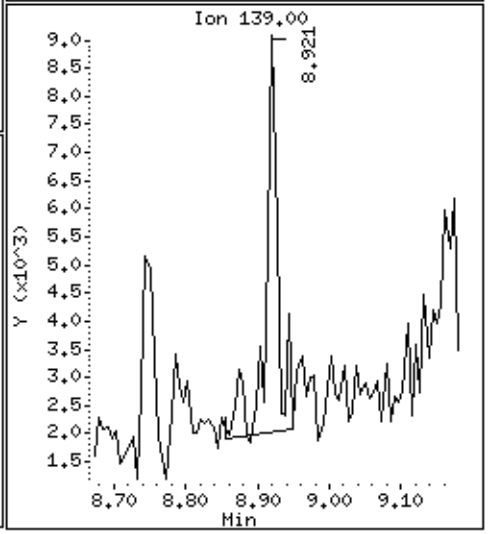












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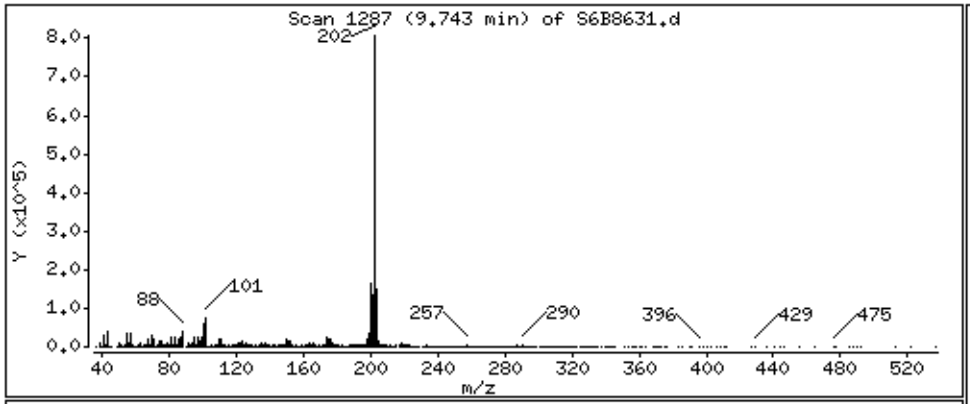
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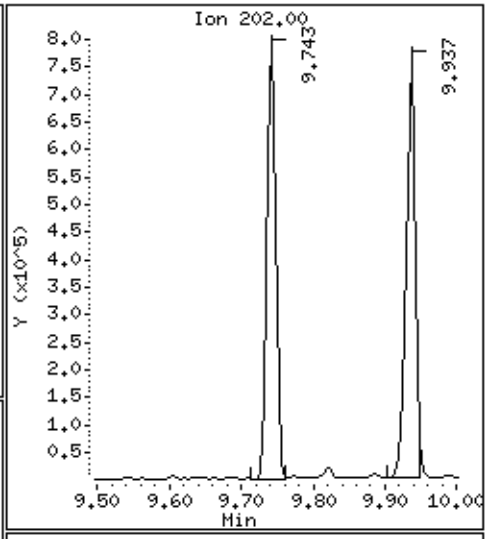
Sample Info: N1194-02A,,78074

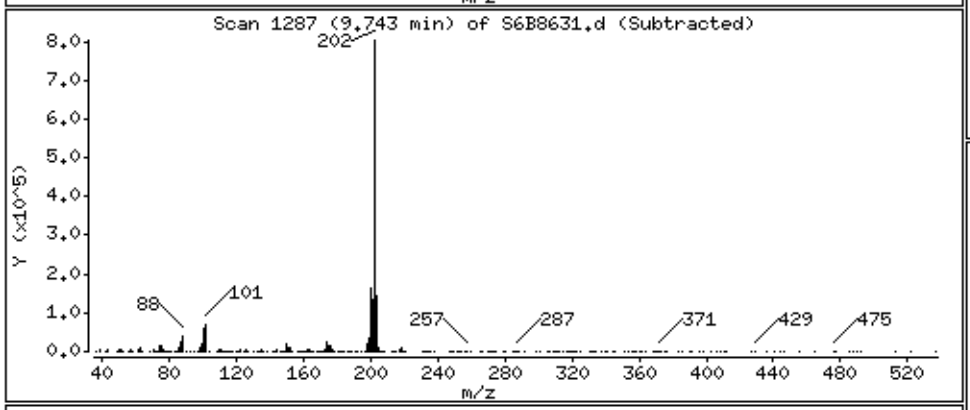
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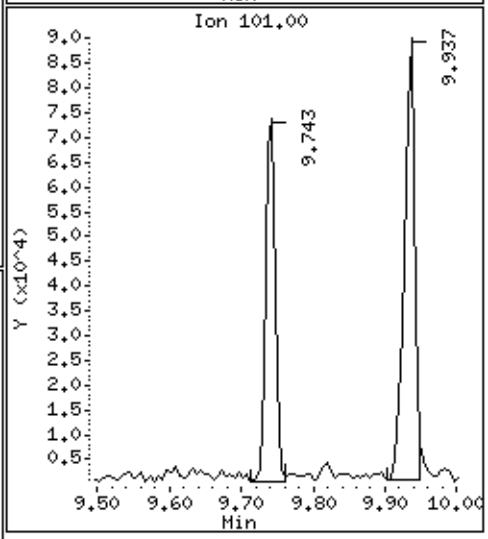
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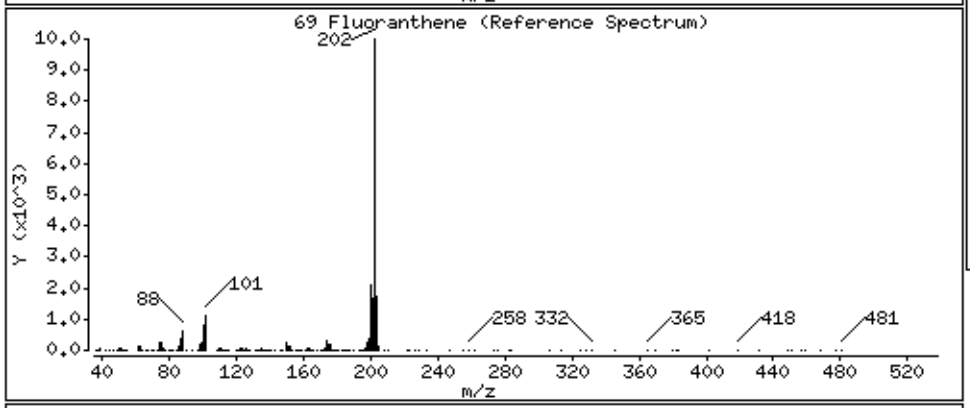
69 Fluoranthene Concentration: 1300 ug/Kg

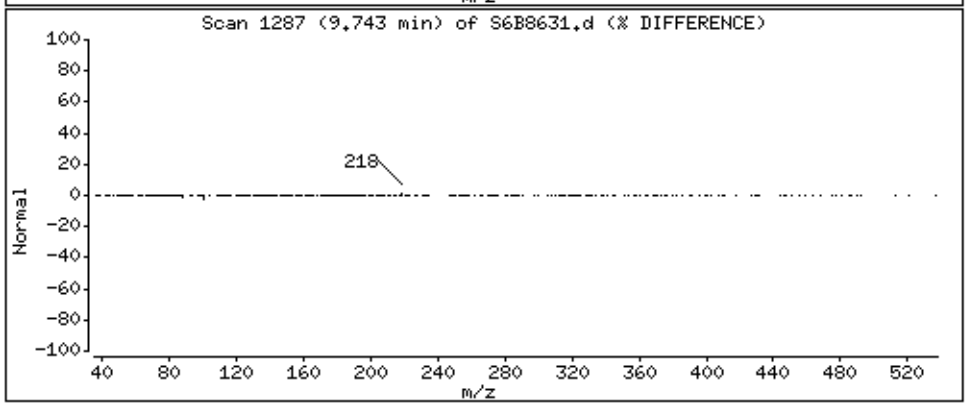












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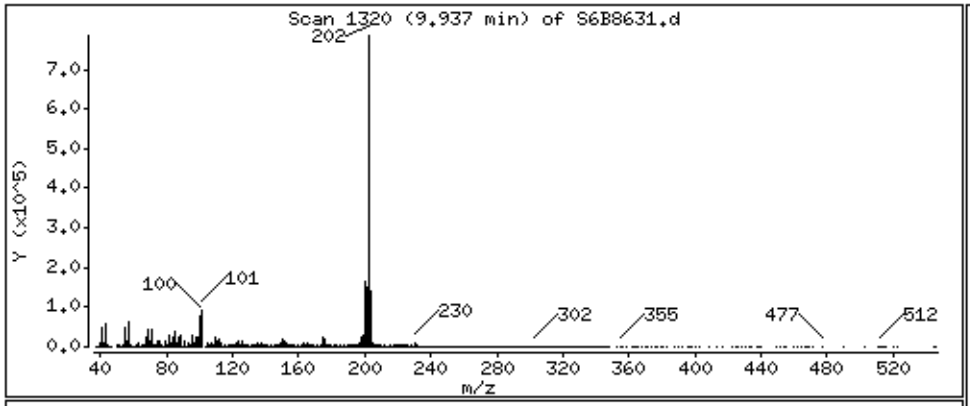
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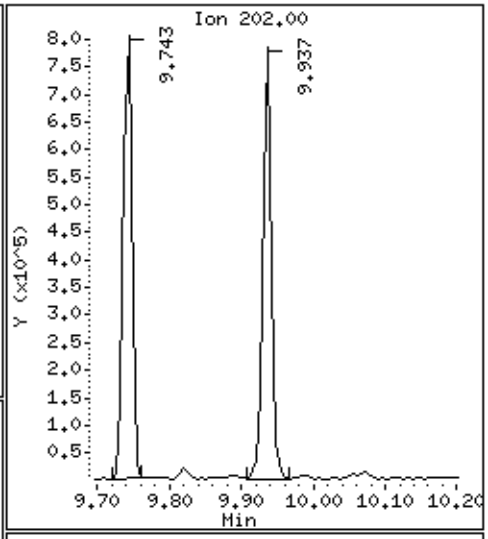
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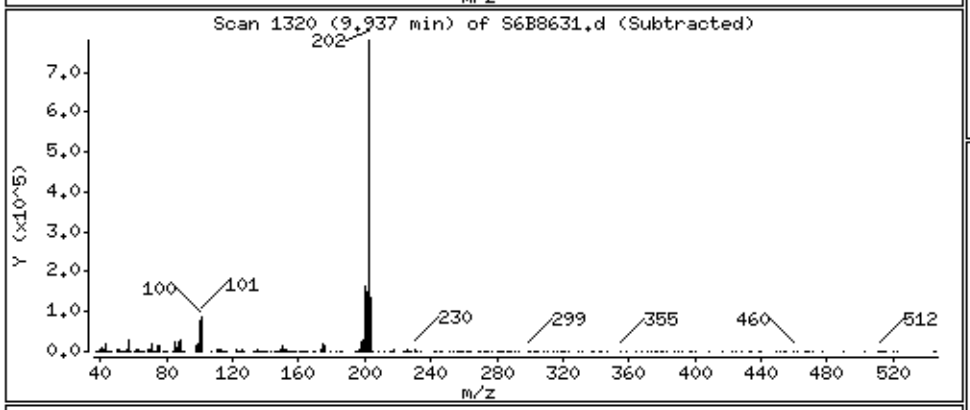
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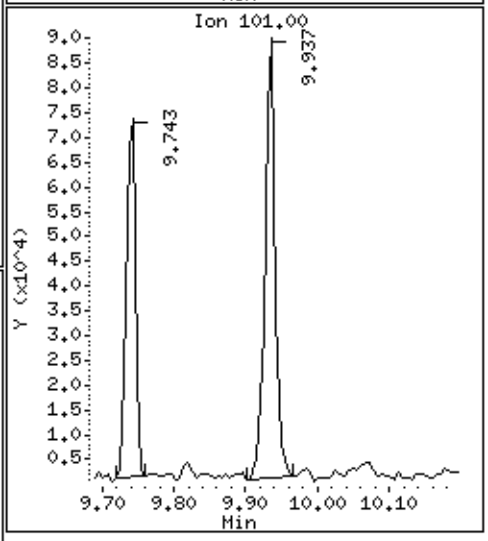
Column phase: Rxi-5Sil MS Column diameter: 0.25

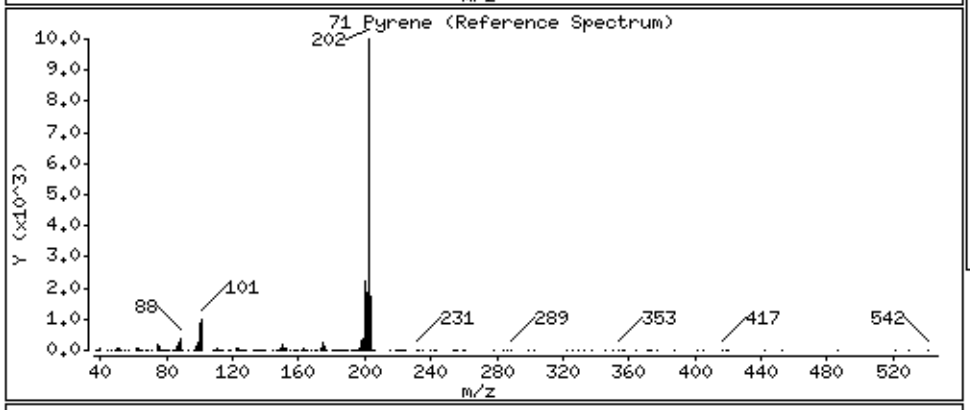
71 Pyrene Concentration: 1200 ug/Kg

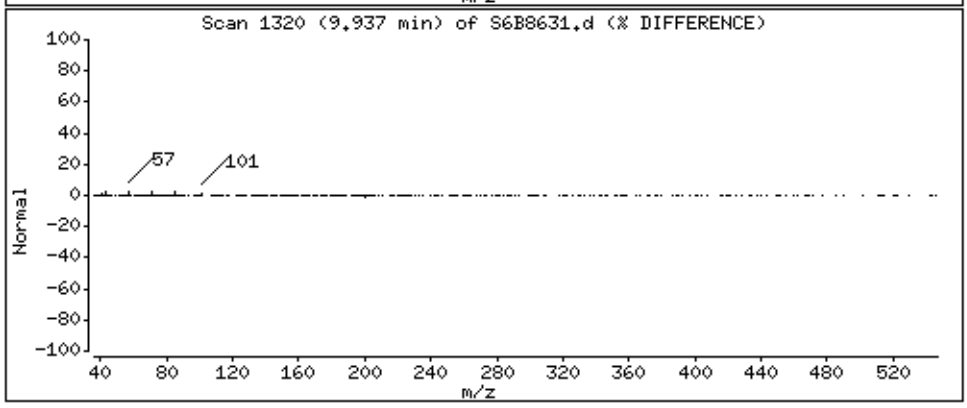












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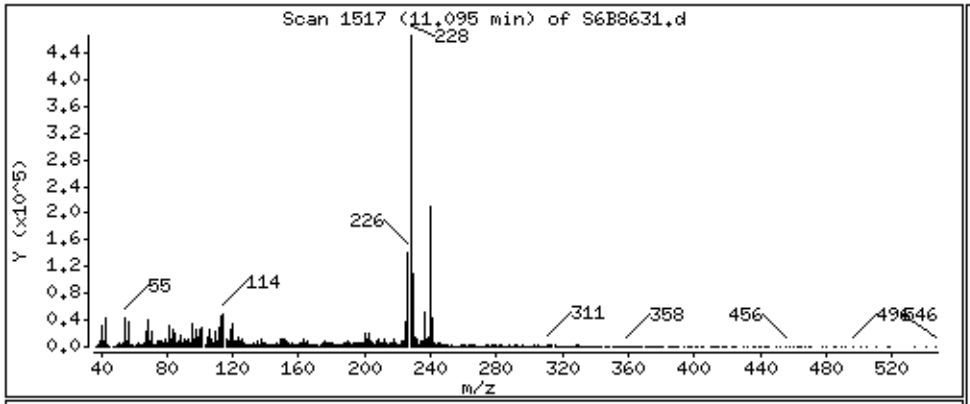
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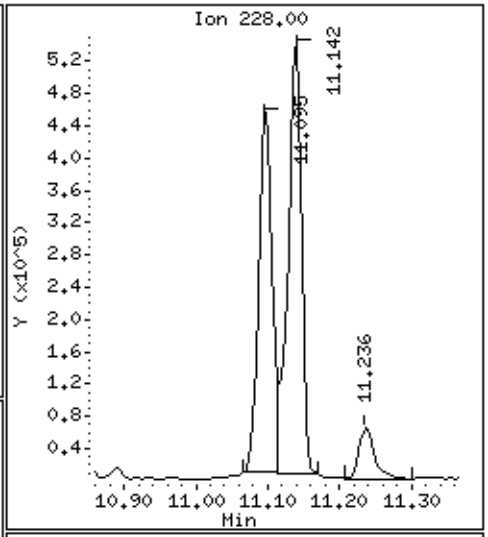
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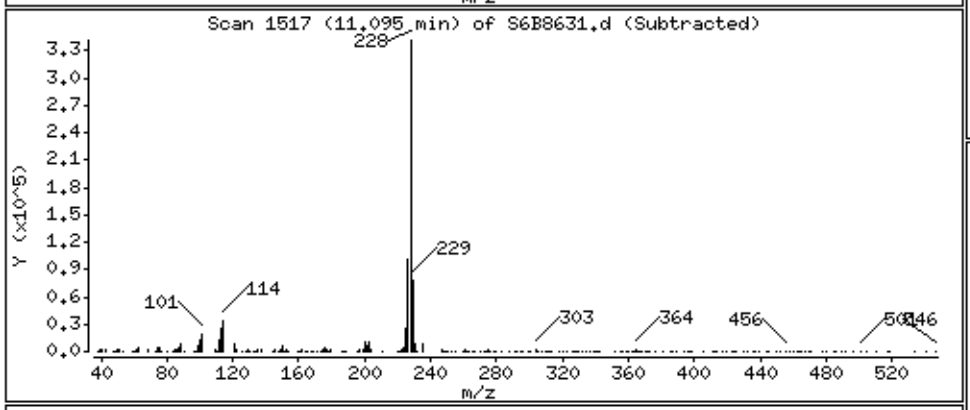
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

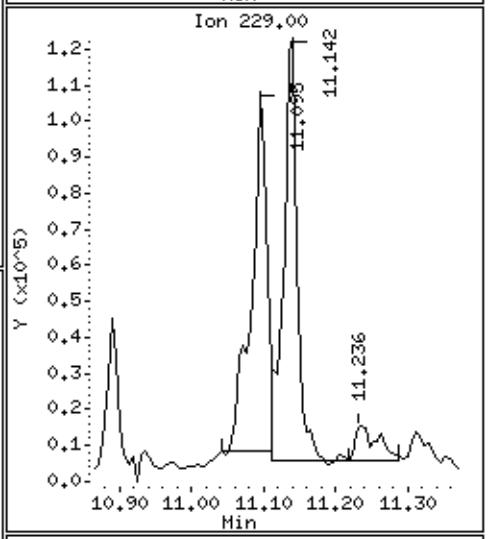
Column phase: Rxi-5Sil MS Column diameter: 0.25

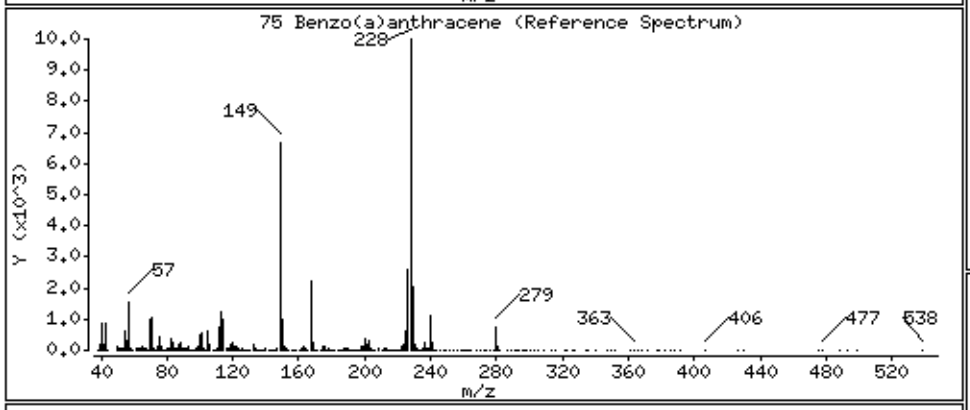
75 Benzo(a)anthracene Concentration: 1100 ug/Kg

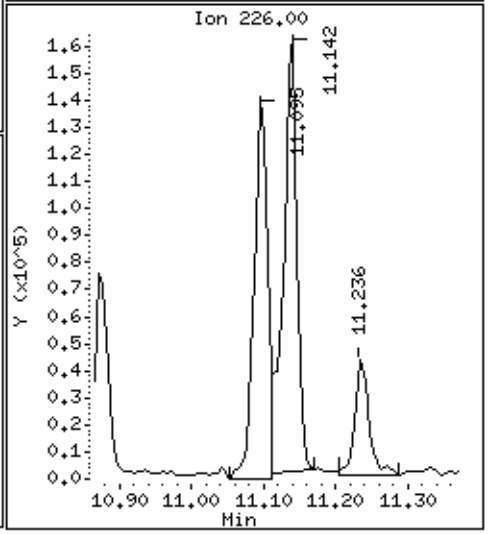


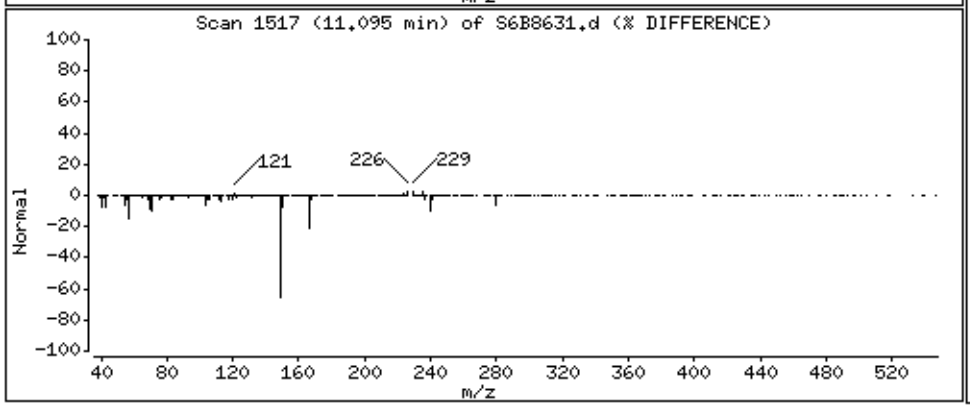












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Date : 17-JUL-2014 16:36

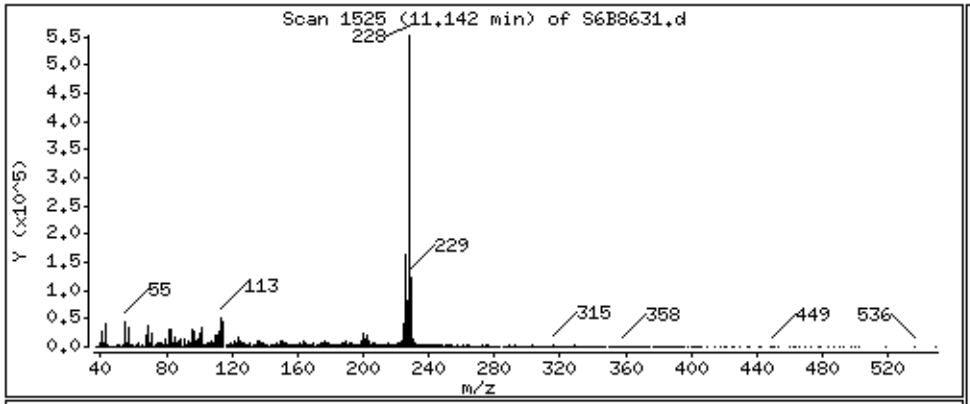
Client ID: SS-12-071014 Instrument: S6.i

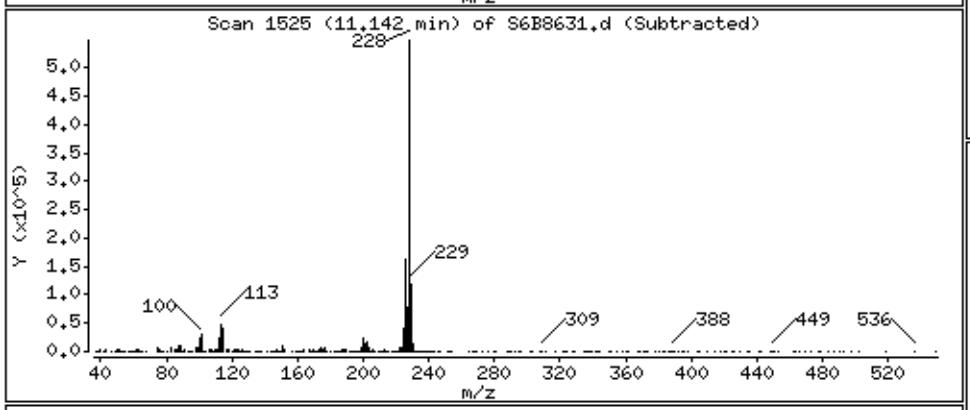
Sample Info: N1194-02A,,78074

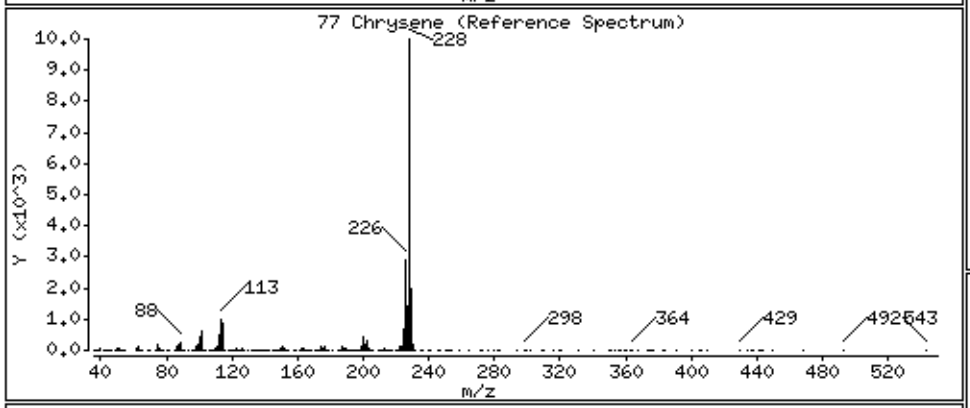
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

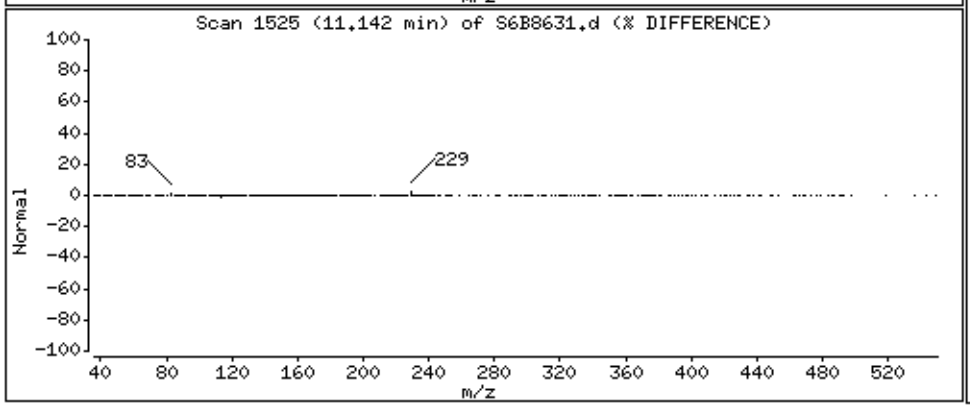
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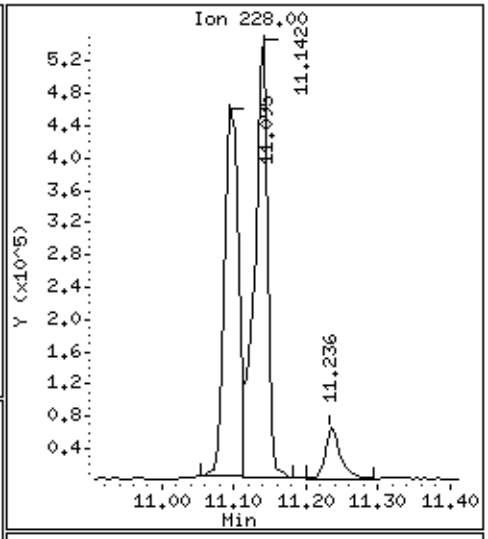
77 Chrysene Concentration: 1500 ug/Kg

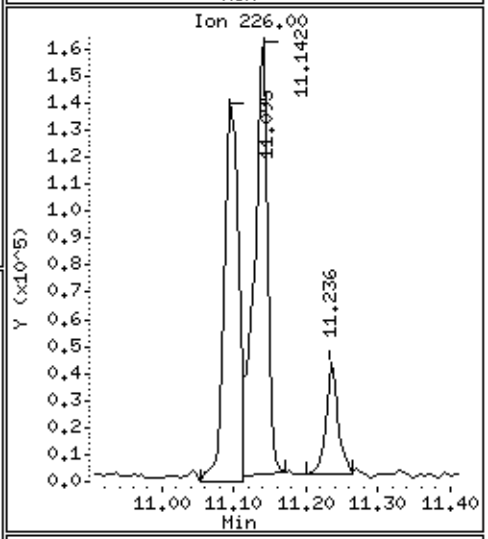


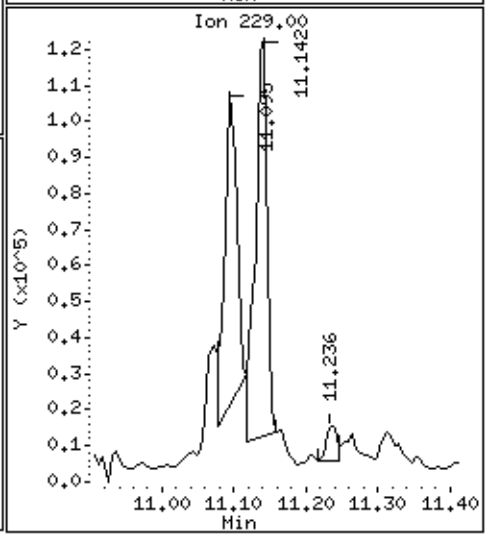












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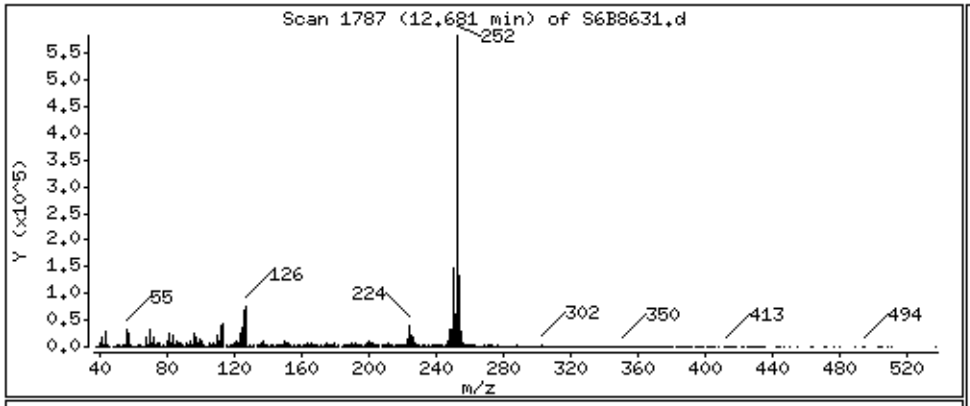
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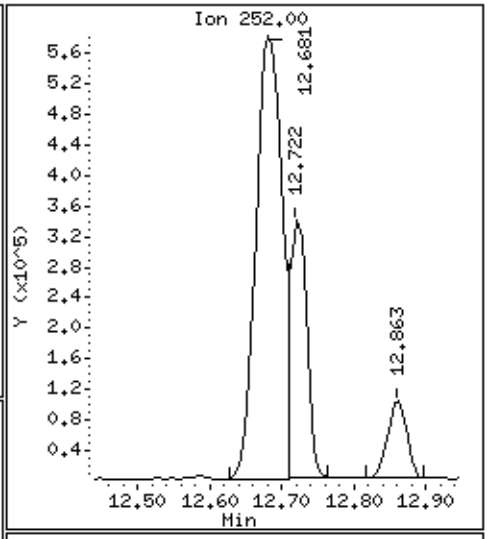
Sample Info: N1194-02A,,78074

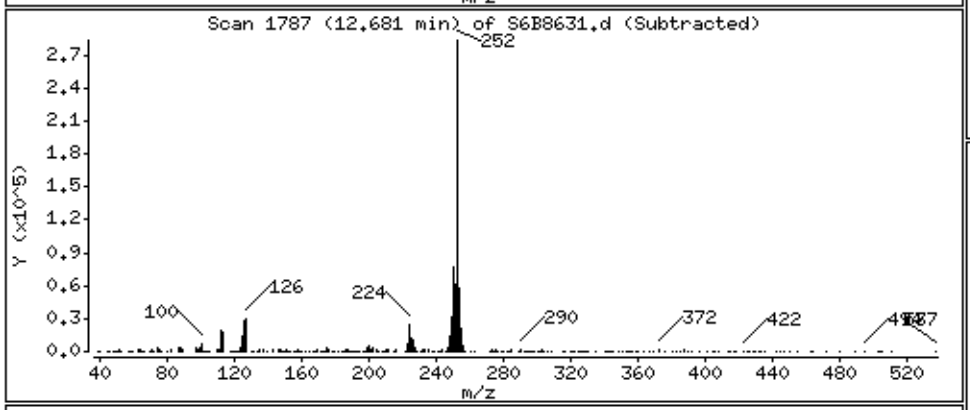
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

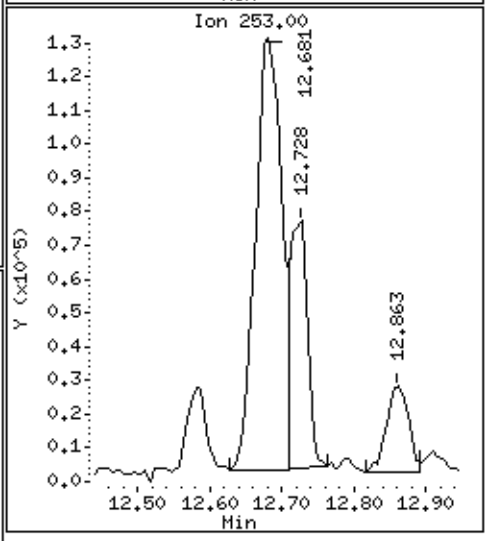
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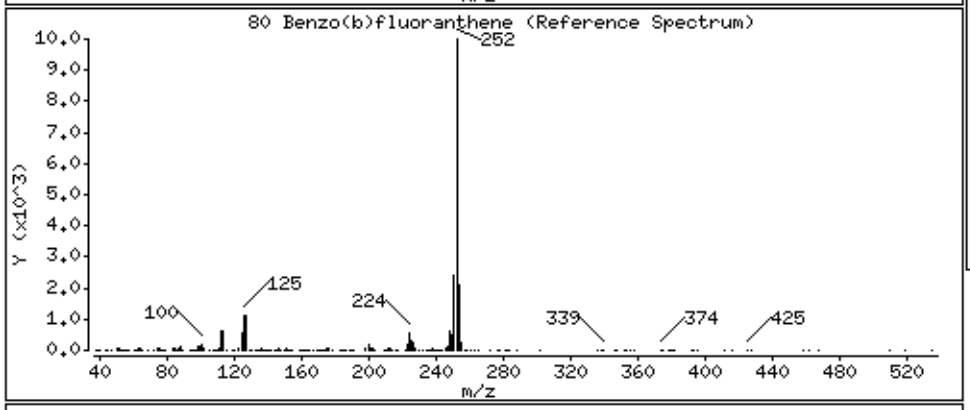
80 Benzo(b)fluoranthene Concentration: 2600 ug/Kg

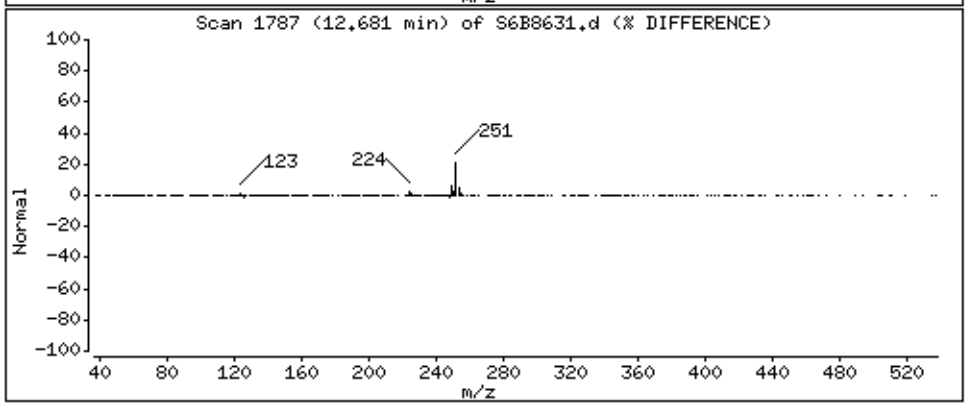












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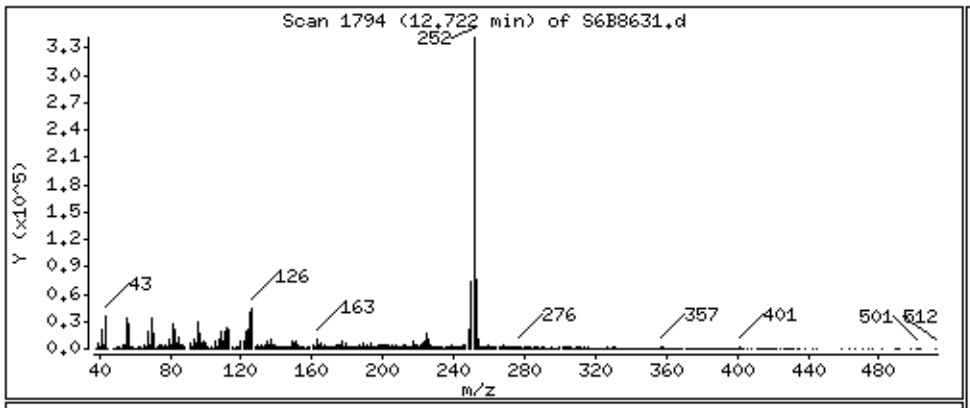
Client ID: SS-12-071014 Instrument: S6.i

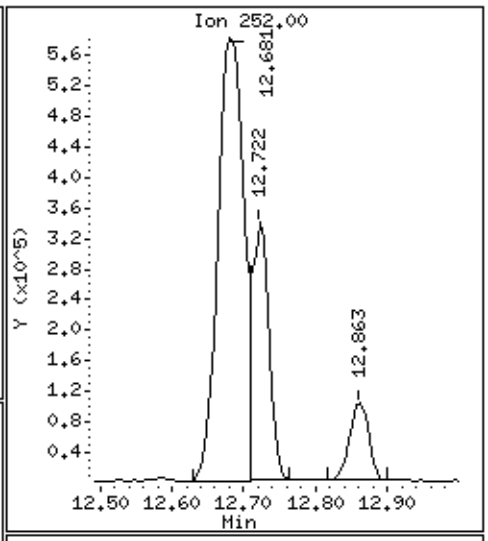
Sample Info: N1194-02A,,78074

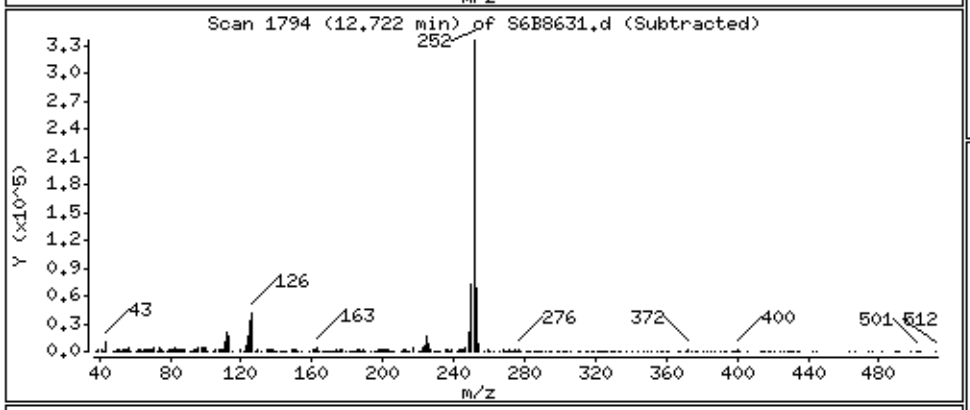
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

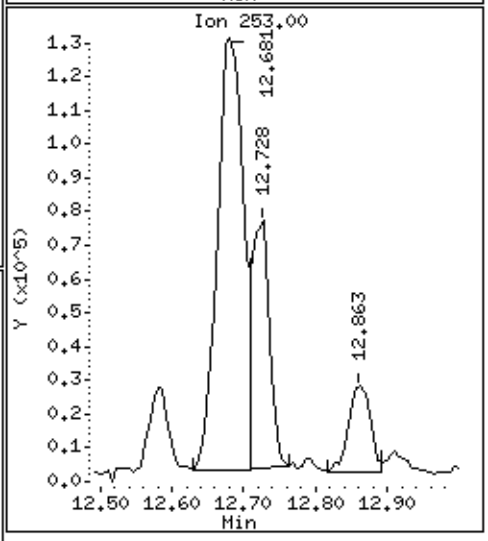
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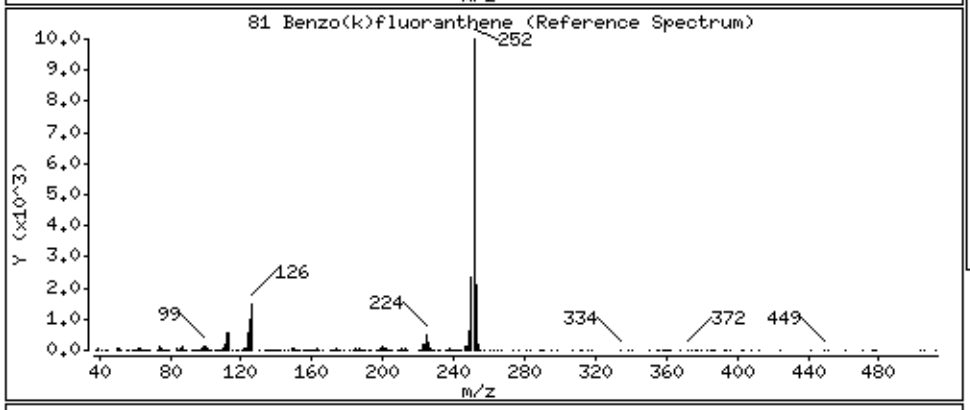
81 Benzo(k)fluoranthene Concentration: 970 ug/Kg

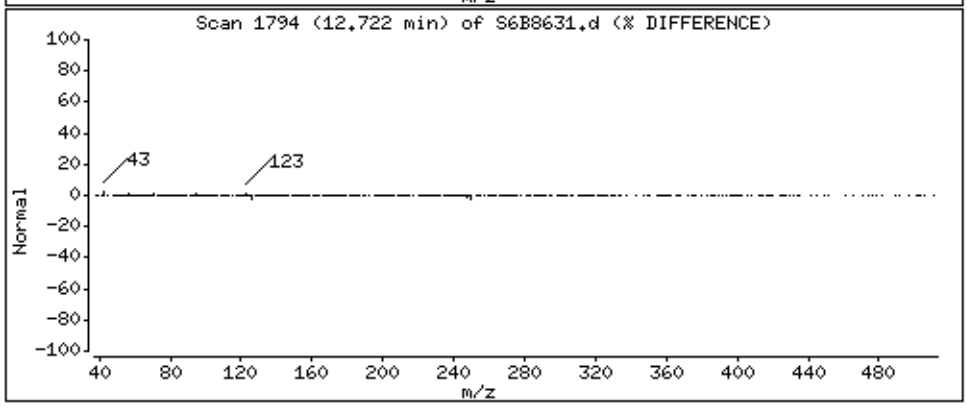












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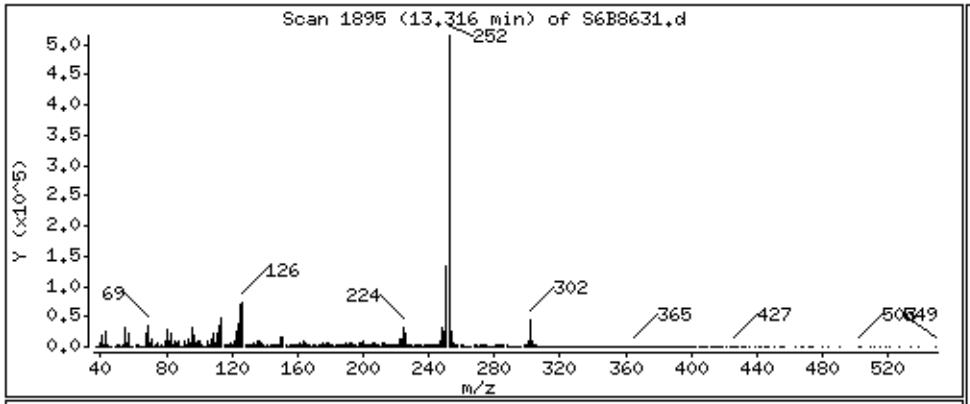
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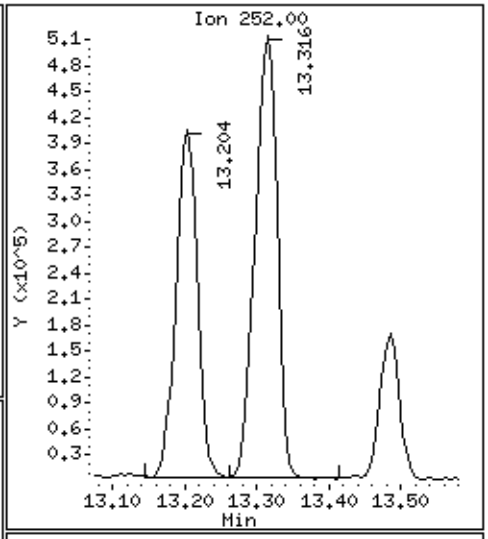
Sample Info: N1194-02A,,78074

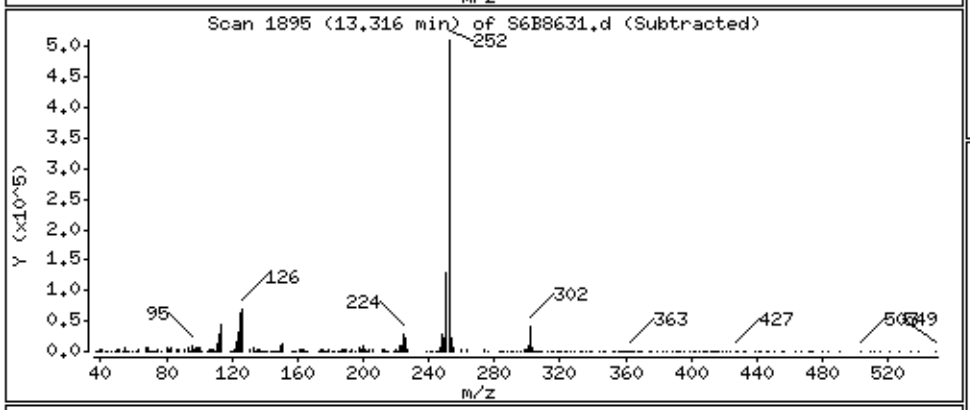
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

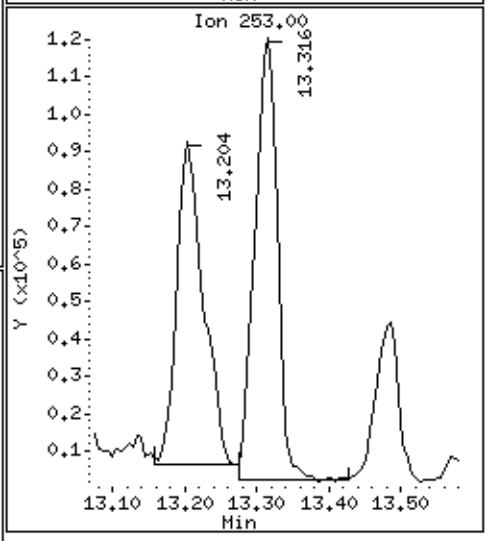
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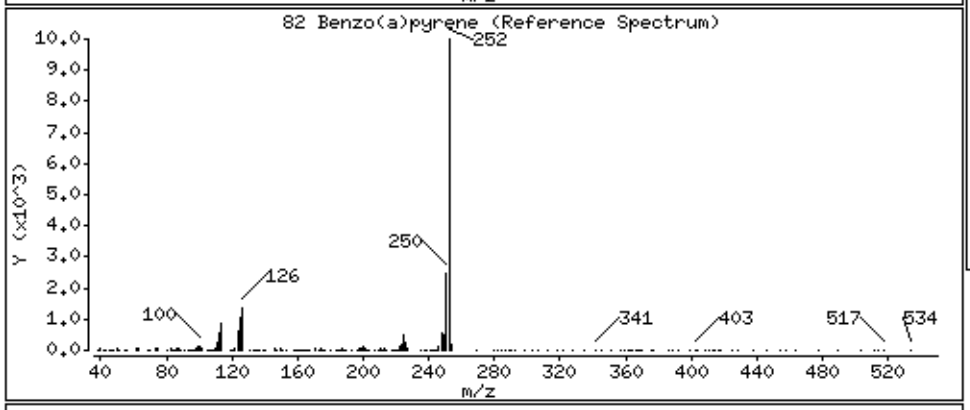
82 Benzo(a)pyrene Concentration: 2000 ug/Kg

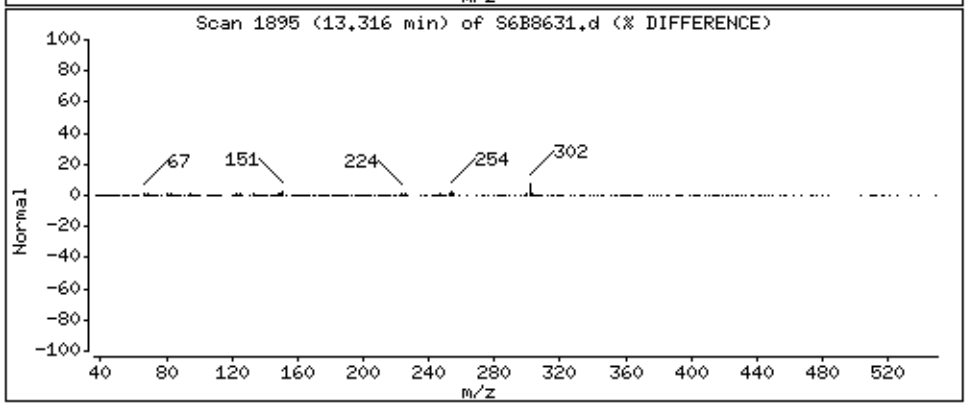












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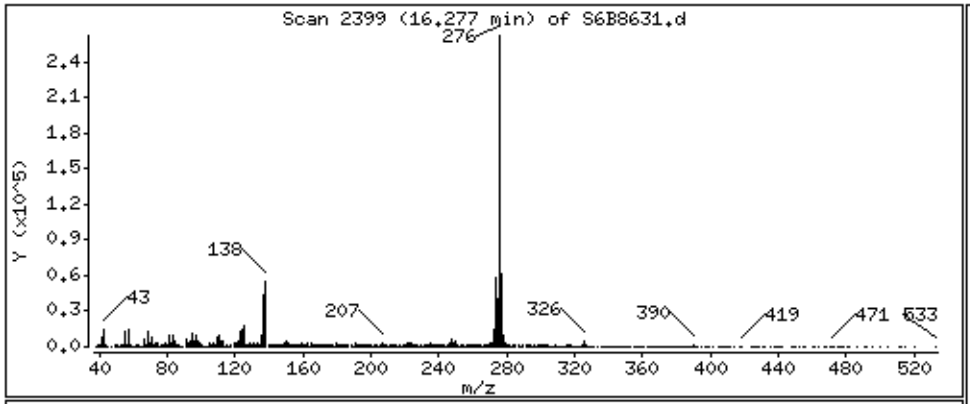
Client ID: SS-12-071014 Instrument: S6.i

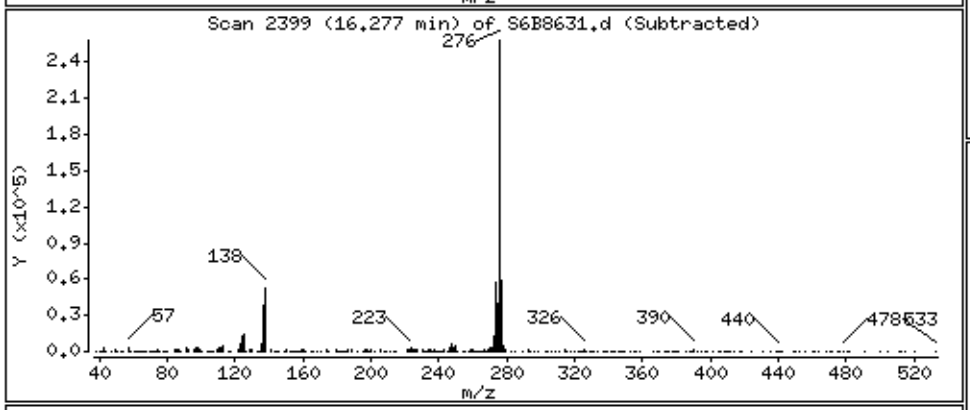
Sample Info: N1194-02A,,78074

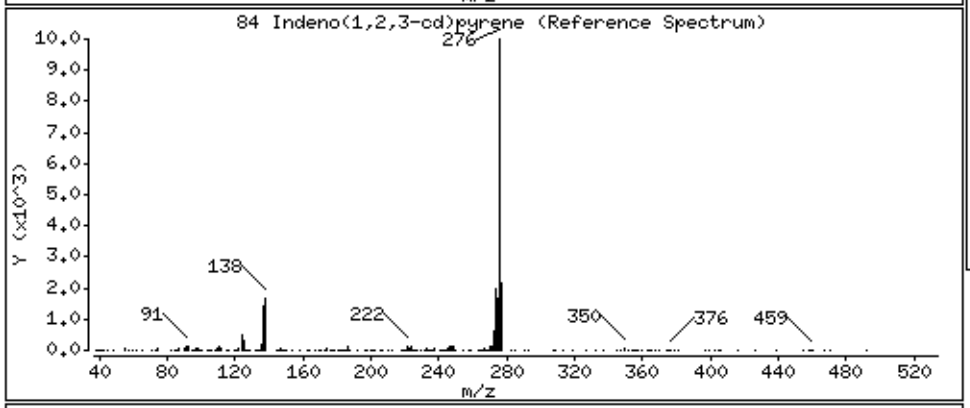
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

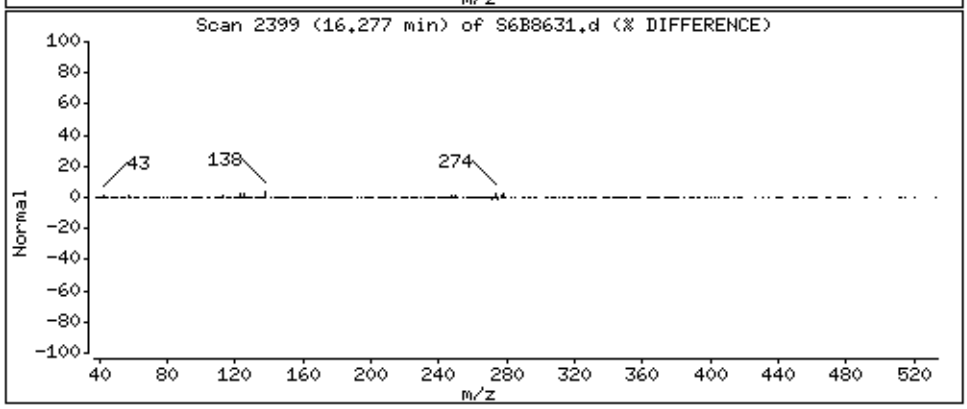
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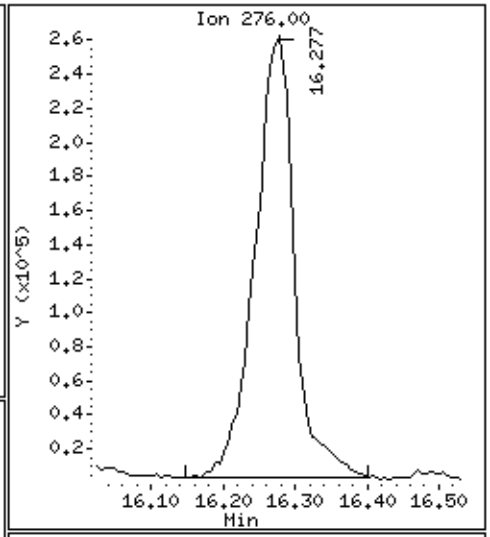
84 Indeno(1,2,3-cd)pyrene Concentration: 2100 ug/Kg

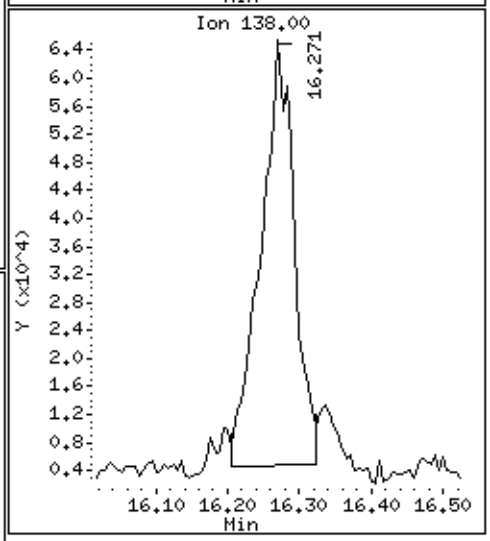












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Date : 17-JUL-2014 16:36

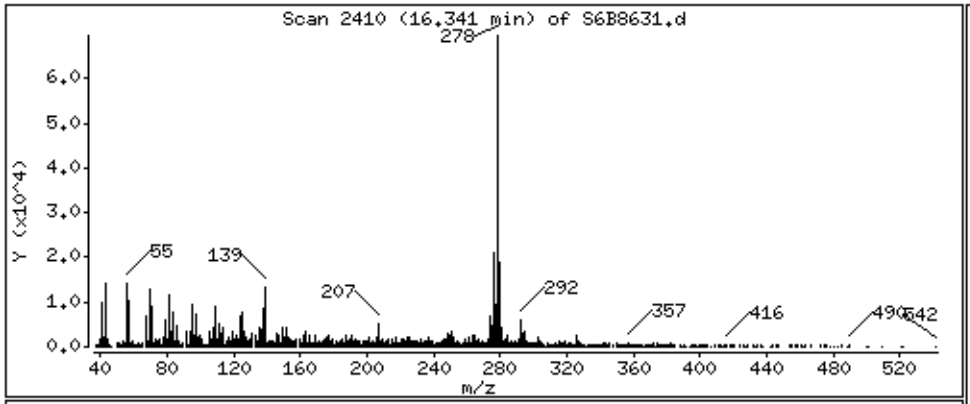
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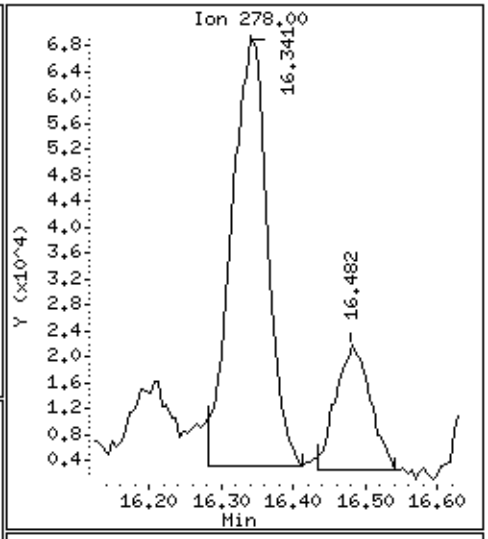
Sample Info: N1194-02A,,78074

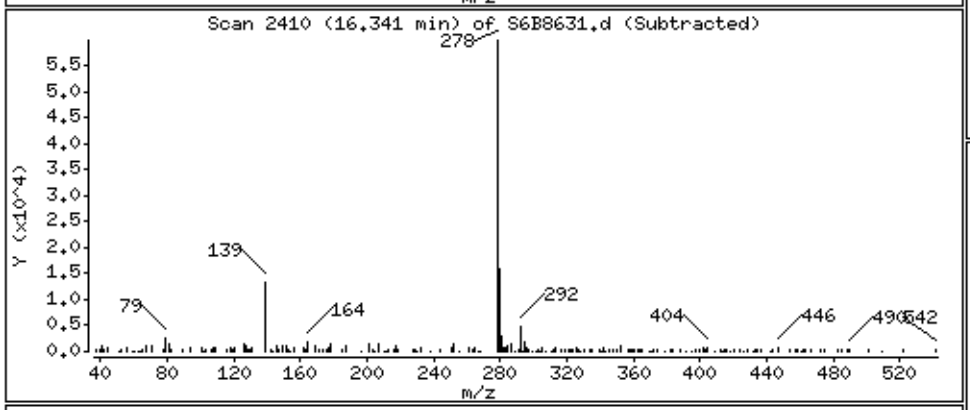
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

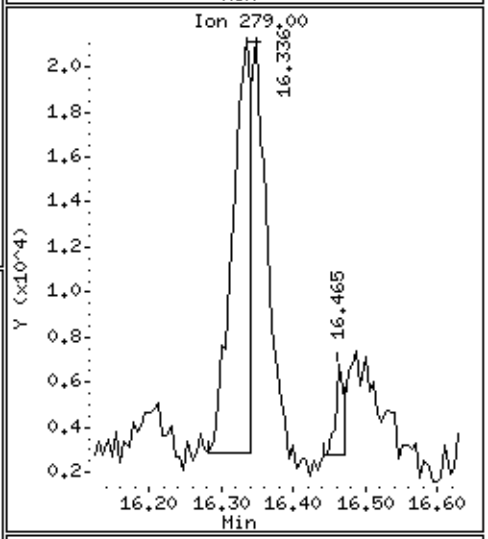
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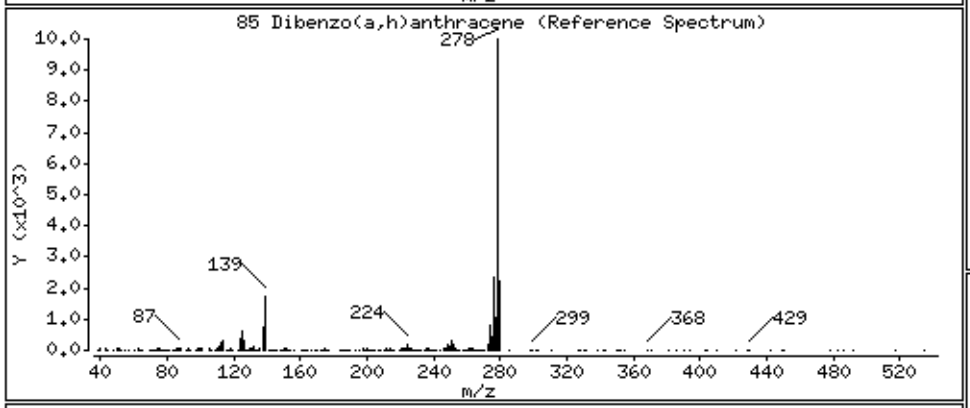
85 Dibenzo(a,h)anthracene Concentration: 500 ug/Kg

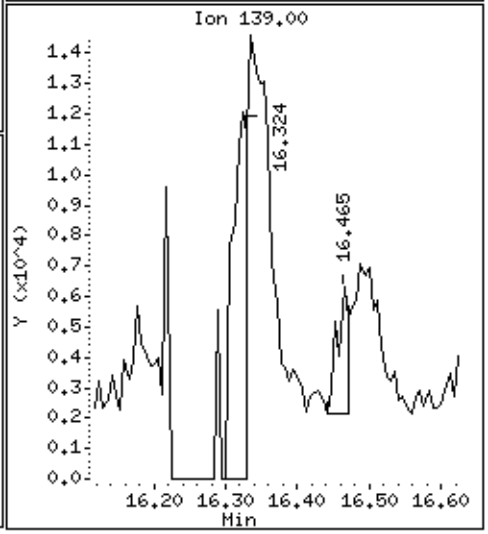


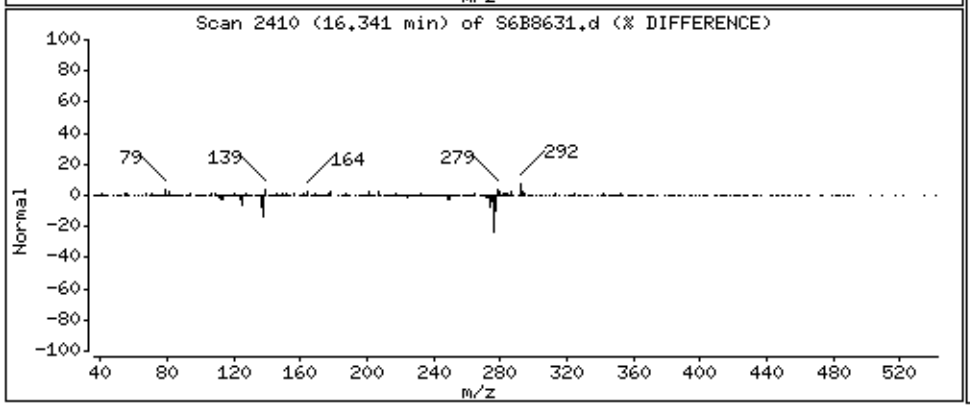












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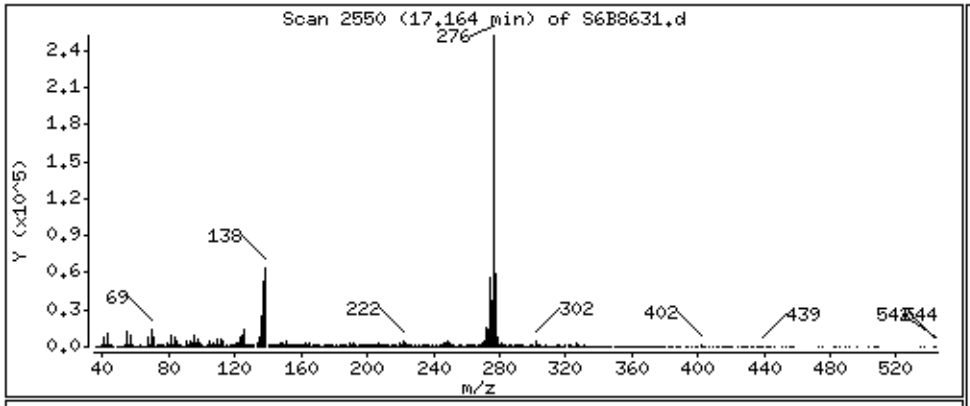
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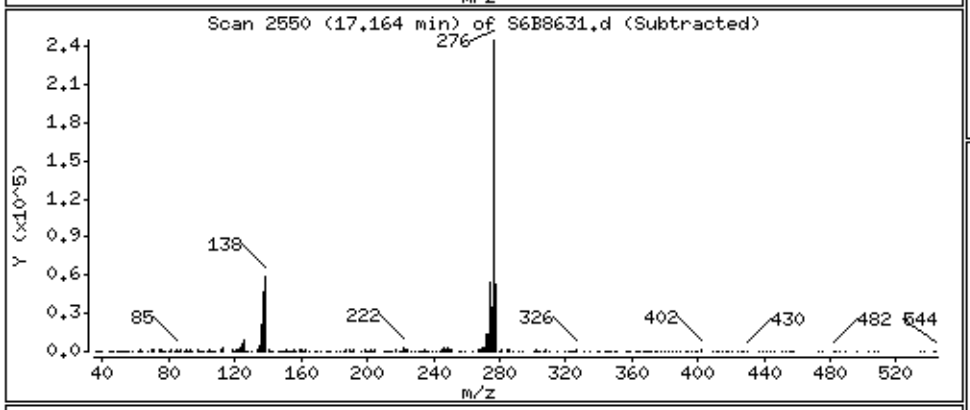
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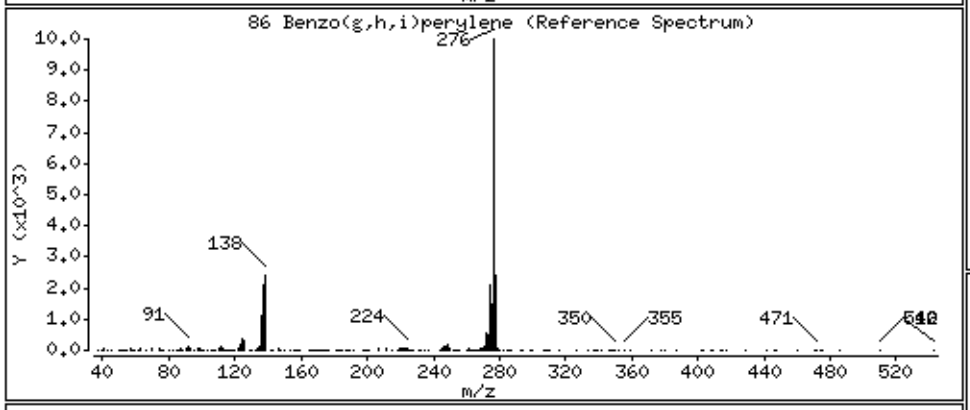
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

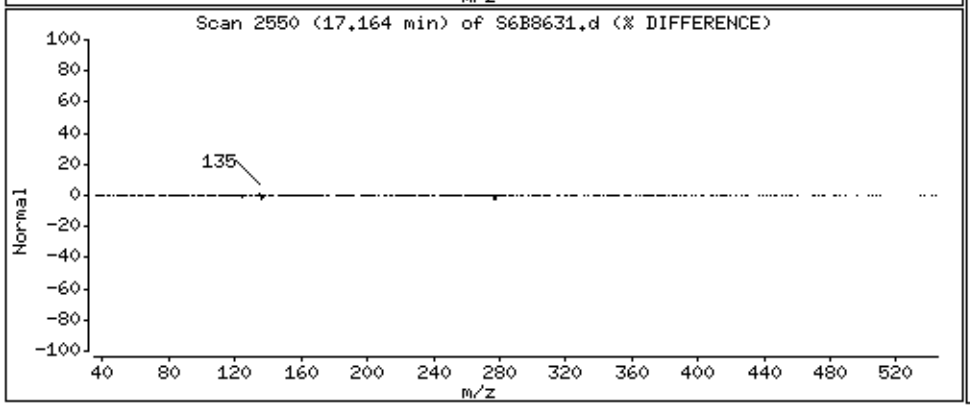
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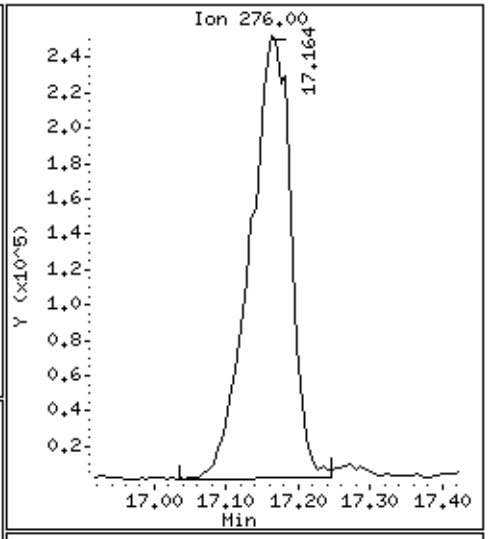
86 Benzo(g,h,i)perylene Concentration: 2000 ug/Kg

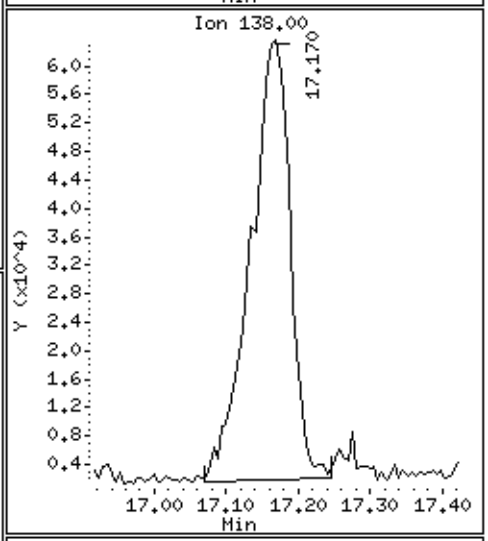


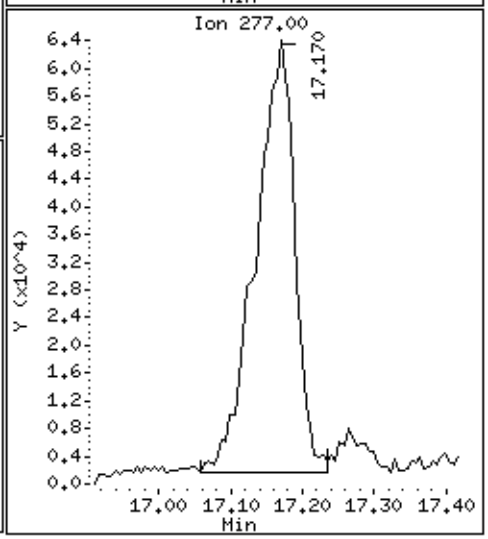












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-13-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-03A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8632.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	110	J
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	98	J
86-73-7	Fluorene	370	U
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	310	J
120-12-7	Anthracene	100	J
206-44-0	Fluoranthene	710	
129-00-0	Pyrene	700	
56-55-3	Benzo(a)anthracene	670	
218-01-9	Chrysene	860	
205-99-2	Benzo(b)fluoranthene	1400	
207-08-9	Benzo(k)fluoranthene	550	
50-32-8	Benzo(a)pyrene	1000	
193-39-5	Indeno(1,2,3-cd)pyrene	1100	
53-70-3	Dibenzo(a,h)anthracene	240	J
191-24-2	Benzo(g,h,i)perylene	1100	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8632.d
Report Date: 18-Jul-2014 15:42

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8632.d
Lab Smp Id: N1194-03A Client Smp ID: SS-13-071014
Inj Date : 17-JUL-2014 16:59
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-03A,,78074
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.300	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	3.844	3.832	(0.775)	406772	39.2098	2600
$ 5 Phenol-d5	99	4.660	4.655	(0.940)	500033	37.7553	2500
* 12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	313200	40.0000	
$ 22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	503942	47.2353	3100
* 31 Naphthalene-d8	136	6.035	6.035	(1.000)	1035091	40.0000	
32 Naphthalene	128	6.053	6.053	(1.003)	36583	1.40259	92(a)
36 2-Methylnaphthalene	142	6.629	6.629	(1.098)	21978	1.21786	80(a)
$ 41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	1029175	45.9202	3000
* 48 Acenaphthene-d10	164	7.498	7.498	(1.000)	640436	40.0000	
49 Acenaphthene	153	7.522	7.528	(1.003)	25223	1.29513	85(a)
$ 60 2,4,6-Tribromophenol	330	8.150	8.156	(0.933)	121443	44.9912	2900
* 64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1172478	40.0000	
65 Phenanthrene	178	8.750	8.756	(1.002)	129933	4.10398	270(a)
66 Anthracene	178	8.791	8.797	(1.007)	44280	1.37269	90(aQ)
69 Fluoranthene	202	9.743	9.749	(1.116)	341769	9.43223	620(a)
71 Pyrene	202	9.937	9.949	(0.895)	352802	9.33937	610(a)
$ 72 Terphenyl-d14	244	10.054	10.060	(0.905)	1124474	45.8304	3000
75 Benzo(a)anthracene	228	11.094	11.112	(0.999)	313722	8.95848	580(a)
* 76 Chrysene-d12	240	11.106	11.130	(1.000)	1226519	40.0000	

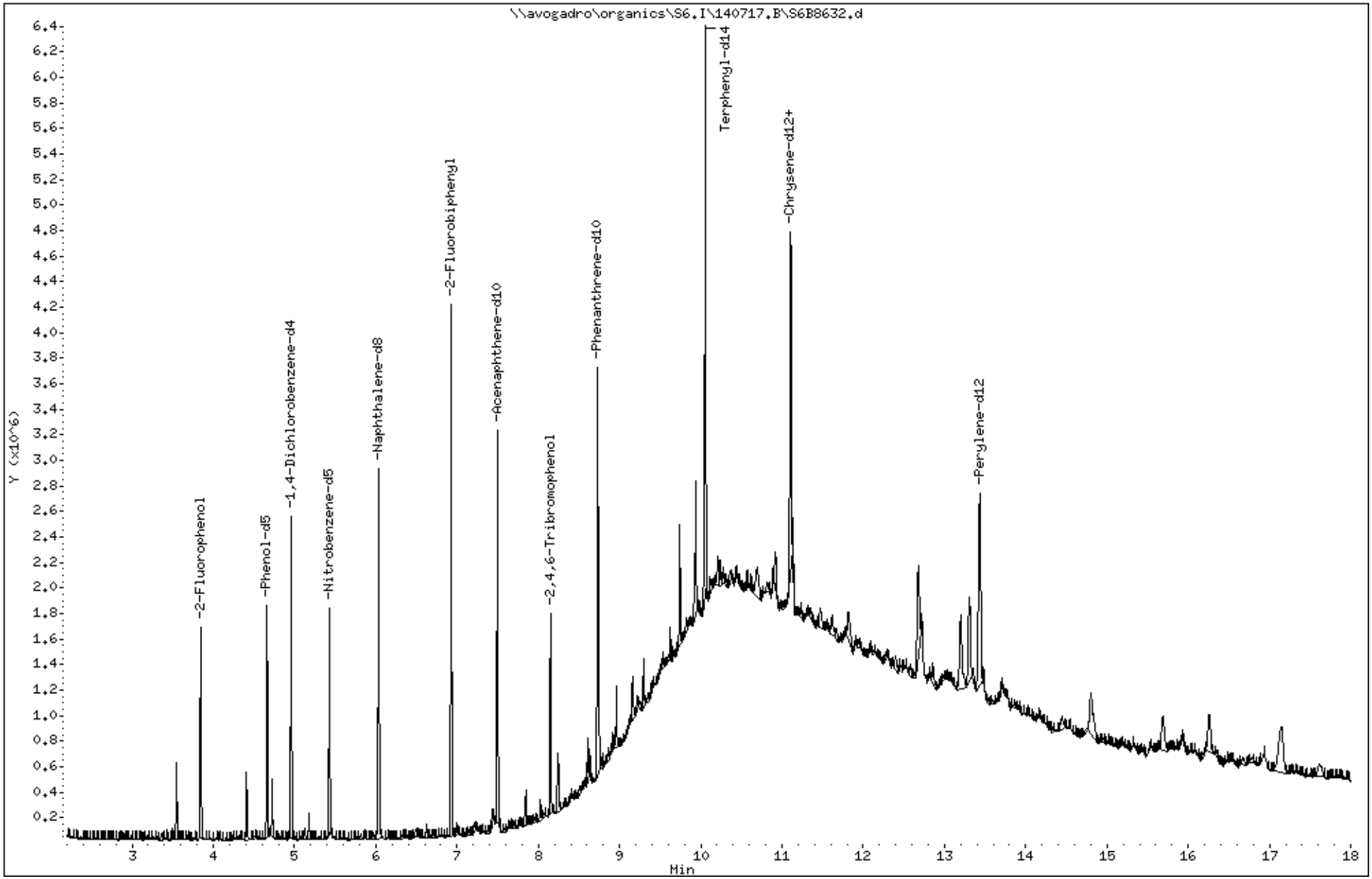
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Report Date: 18-Jul-2014 15:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
77	Chrysene	228	11.135	11.159	(1.003)	367894	11.4463	750
80	Benzo(b)fluoranthene	252	12.675	12.692	(0.944)	740256	19.1344	1200
81	Benzo(k)fluoranthene	252	12.722	12.745	(0.947)	285072	7.25730	470(a)
82	Benzo(a)pyrene	252	13.309	13.327	(0.991)	497352	13.4745	880
* 83	Perylene-d12	264	13.433	13.450	(1.000)	1315887	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.253	16.277	(1.210)	457672	14.2108	930
85	Dibenzo(a,h)anthracene	278	16.329	16.376	(1.216)	98619	3.14732	200(a)
86	Benzo(g,h,i)perylene	276	17.152	17.170	(1.277)	495306	14.8924	970

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8632.d
Date : 17-JUL-2014 16:59
Client ID: SS-13-071014
Instrument: S6.i
Sample Info: N1194-03A,,78074
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8632.d

Date : 17-JUL-2014 16:59

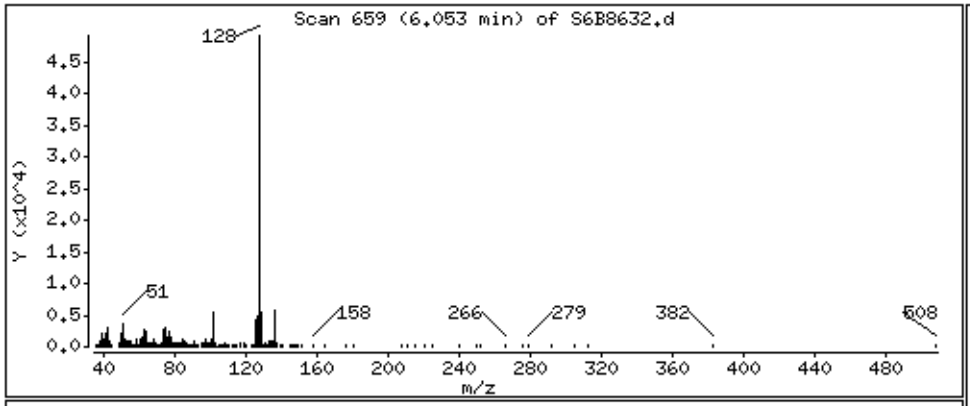
Client ID: SS-13-071014 Instrument: S6.i

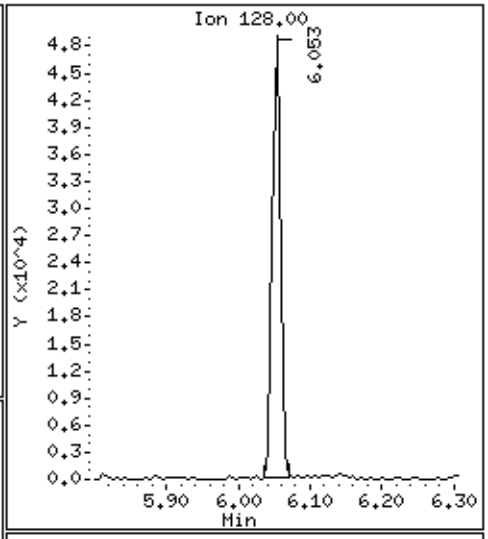
Sample Info: N1194-03A,,78074

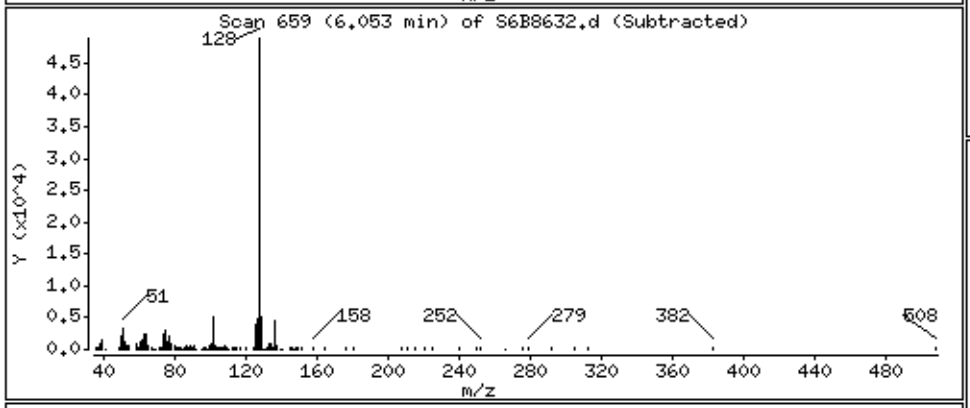
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

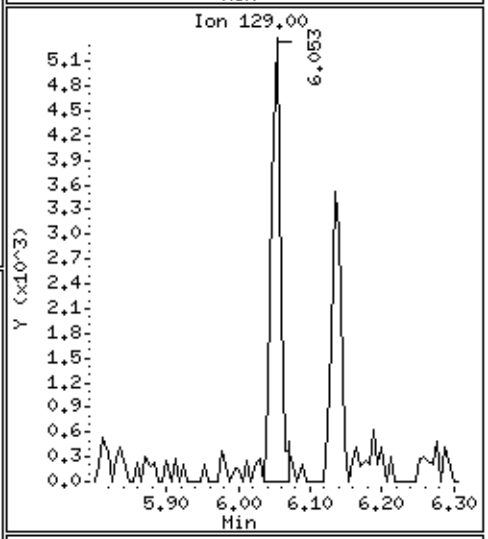
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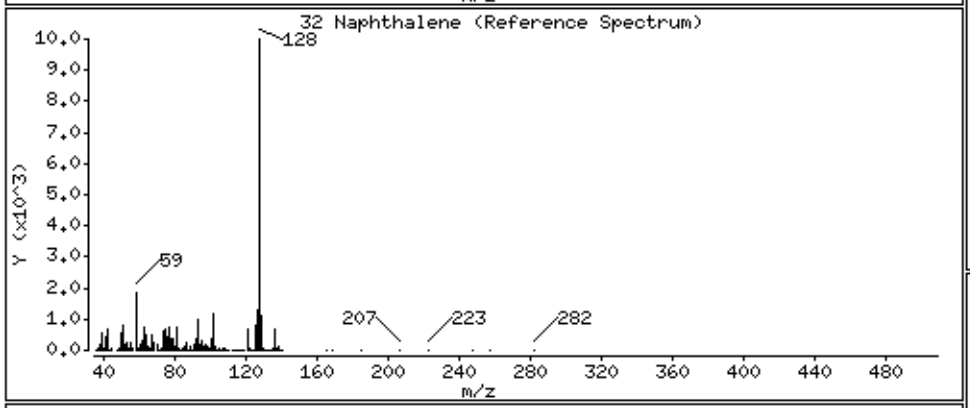
32 Naphthalene Concentration: 92 ug/Kg

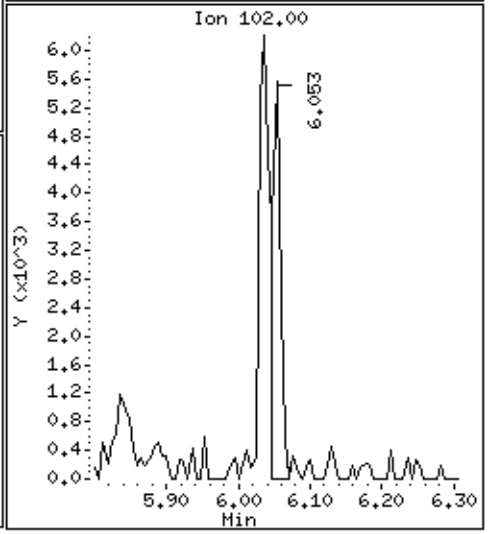


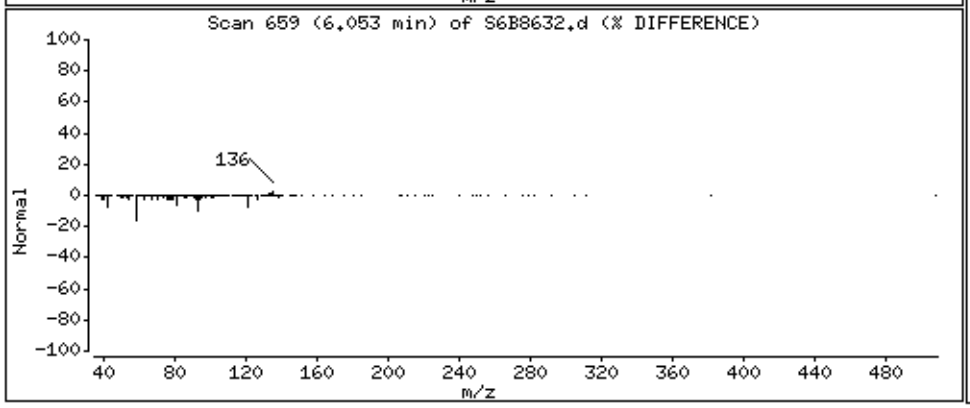












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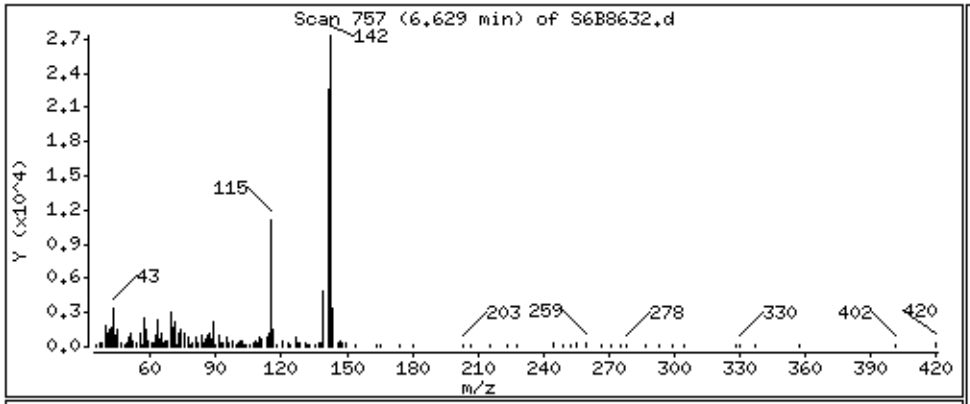
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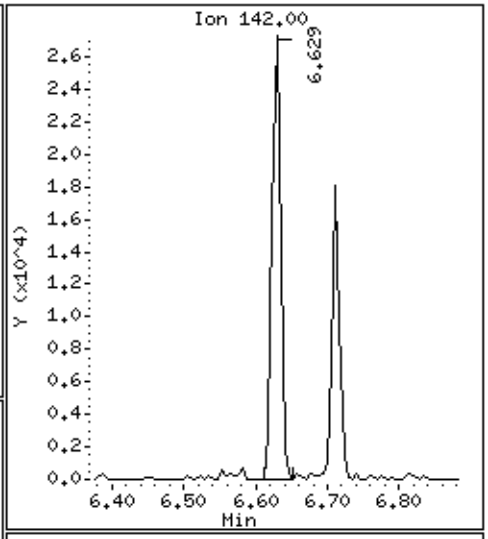
Sample Info: N1194-03A,,78074

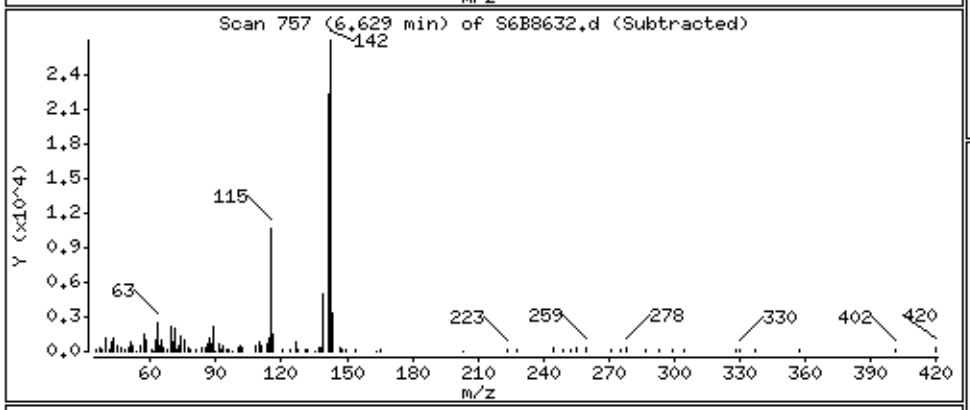
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

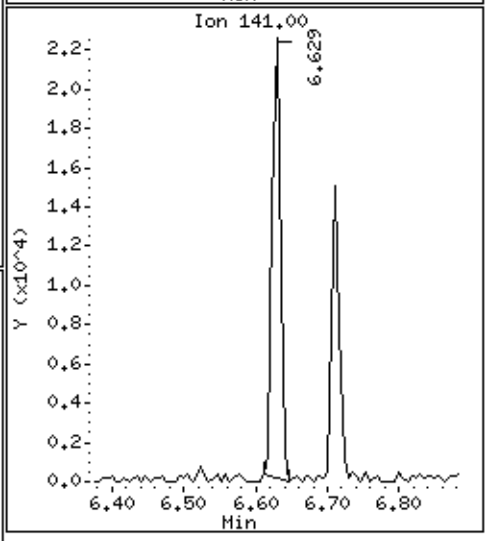
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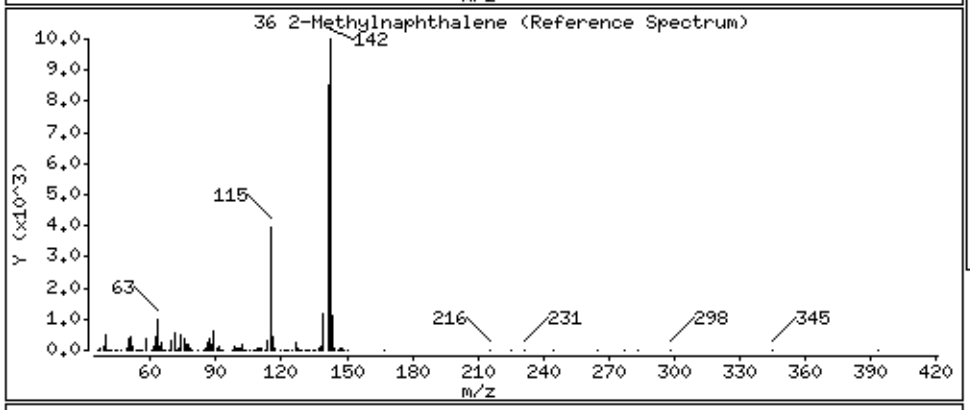
36 2-Methylnaphthalene Concentration: 80 ug/Kg

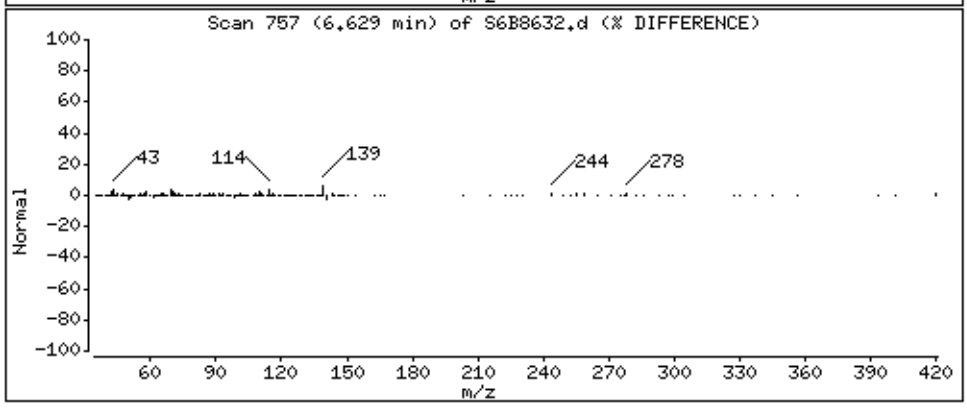












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Date : 17-JUL-2014 16:59

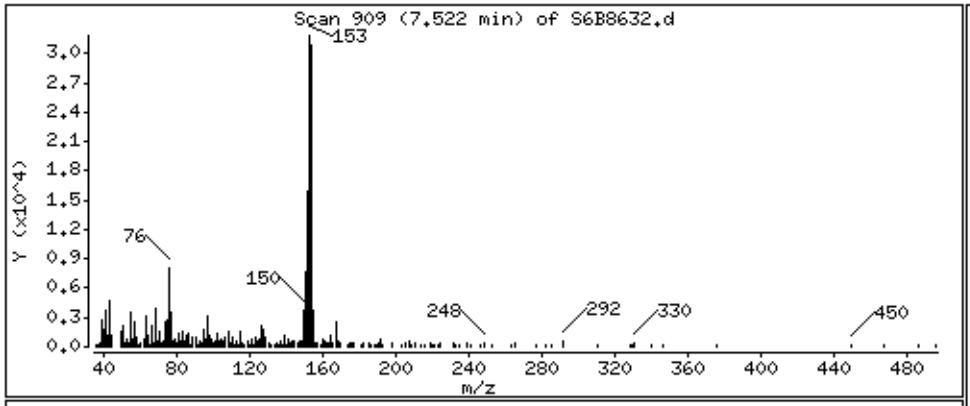
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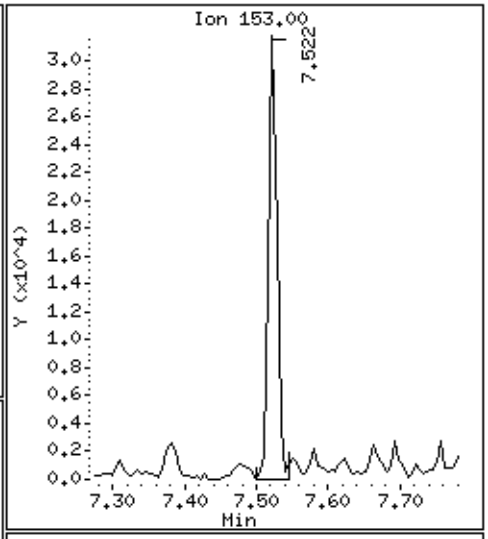
Sample Info: N1194-03A,,78074

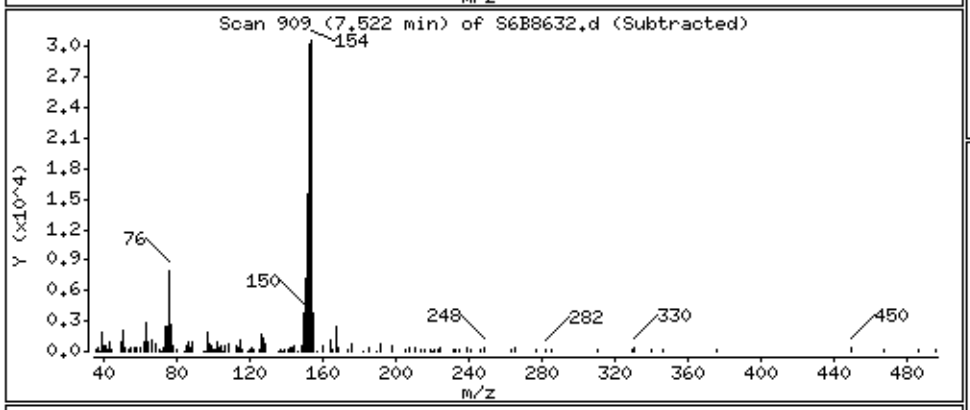
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

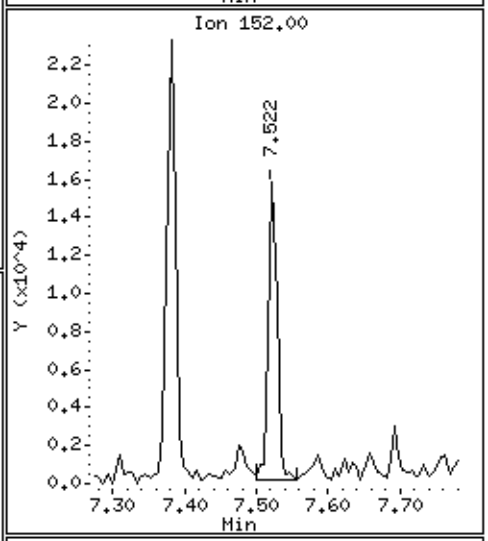
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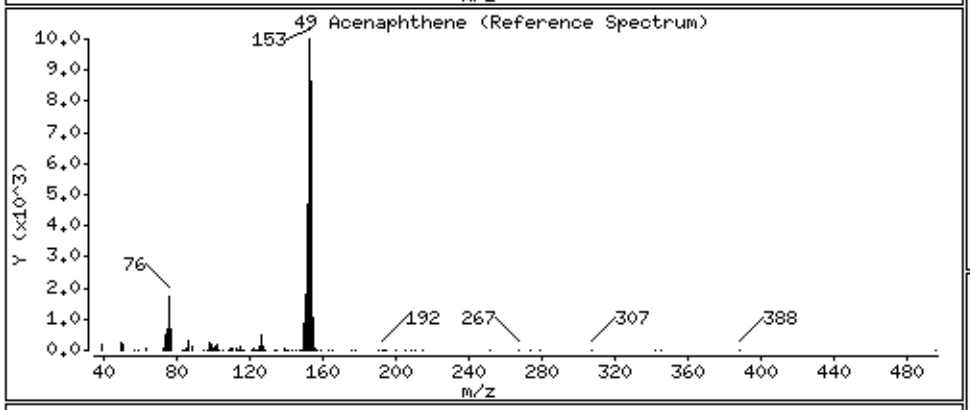
49 Acenaphthene Concentration: 85 ug/Kg

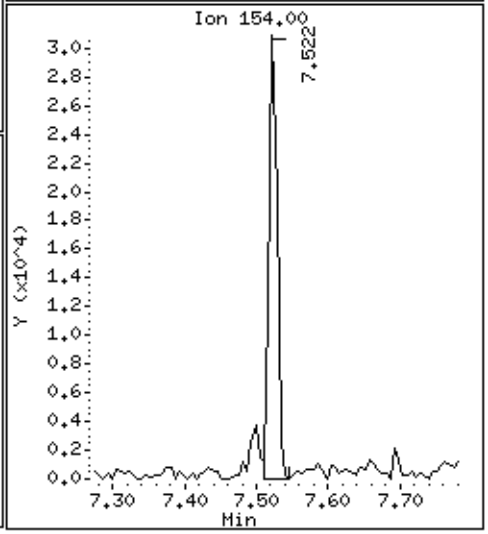


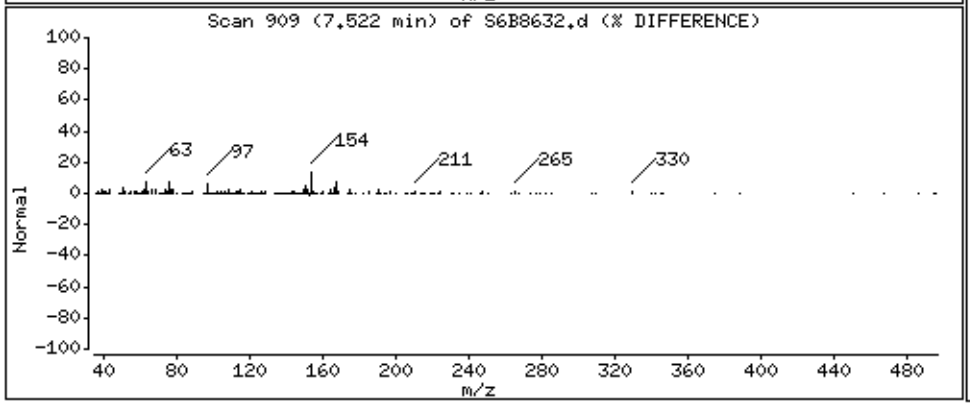












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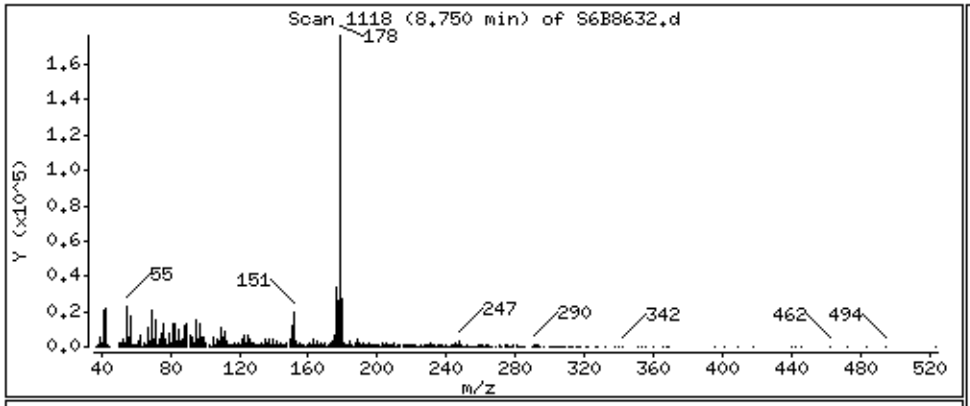
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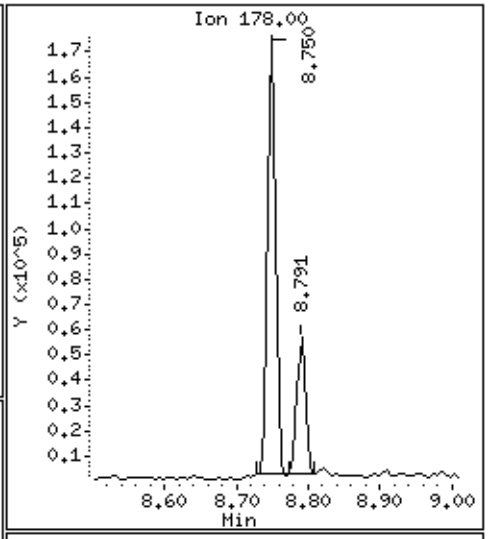
Sample Info: N1194-03A,,78074

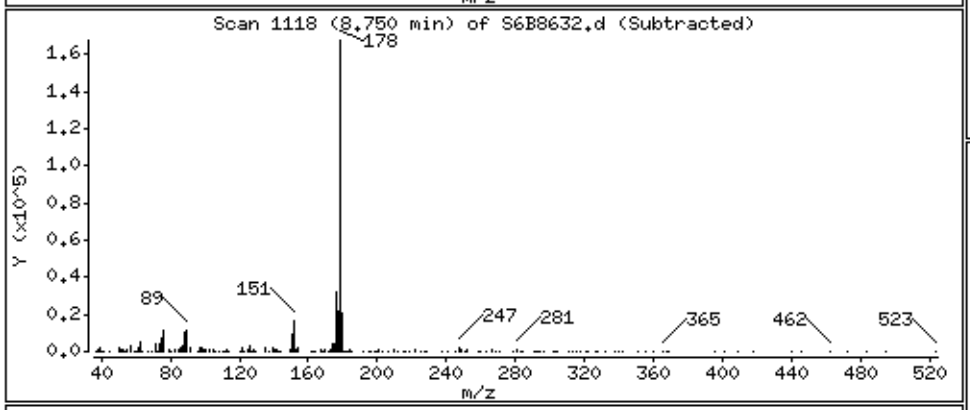
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

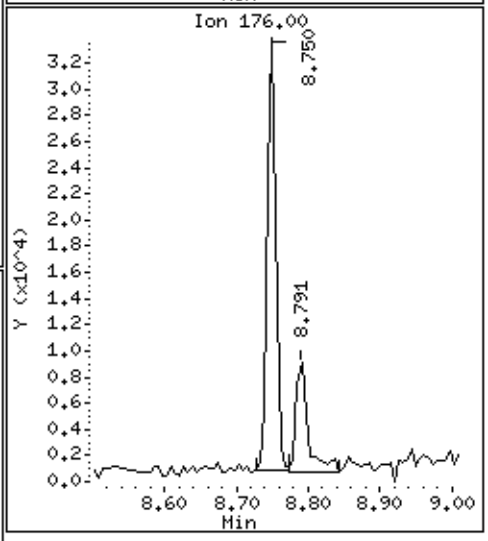
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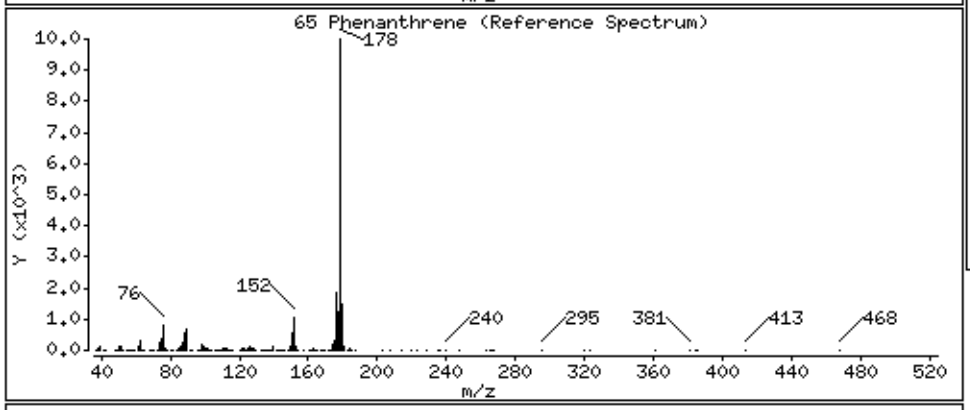
65 Phenanthrene Concentration: 270 ug/Kg

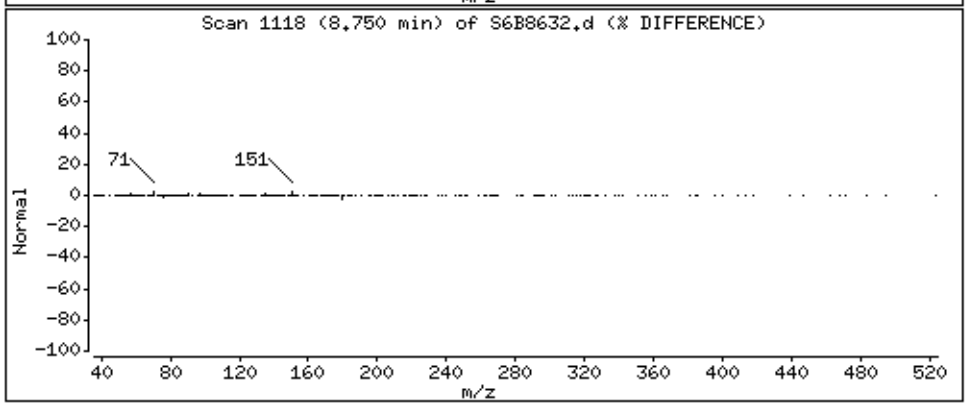












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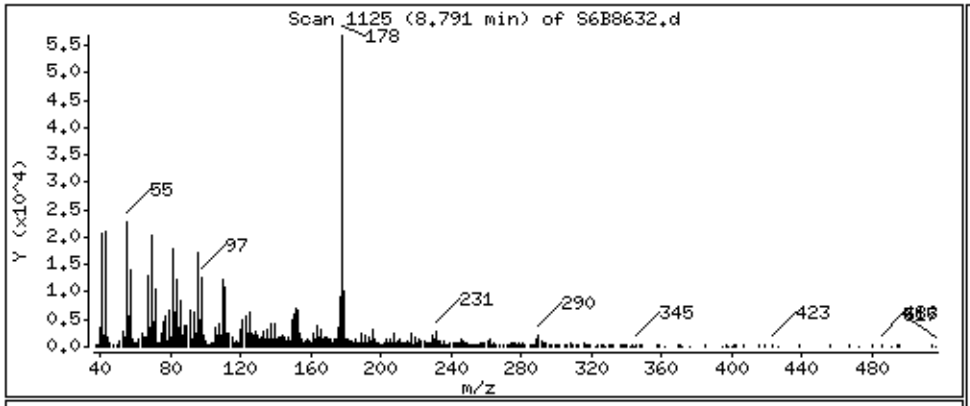
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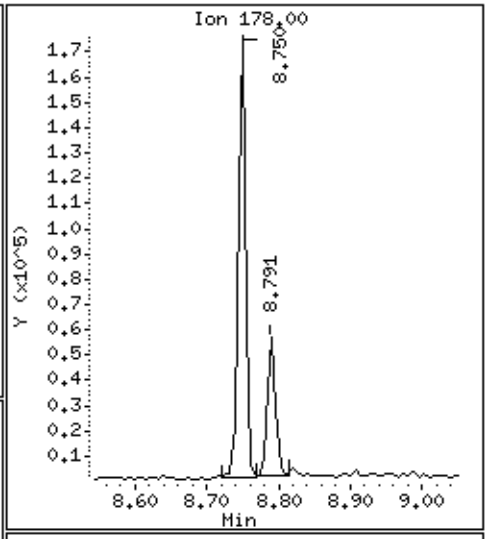
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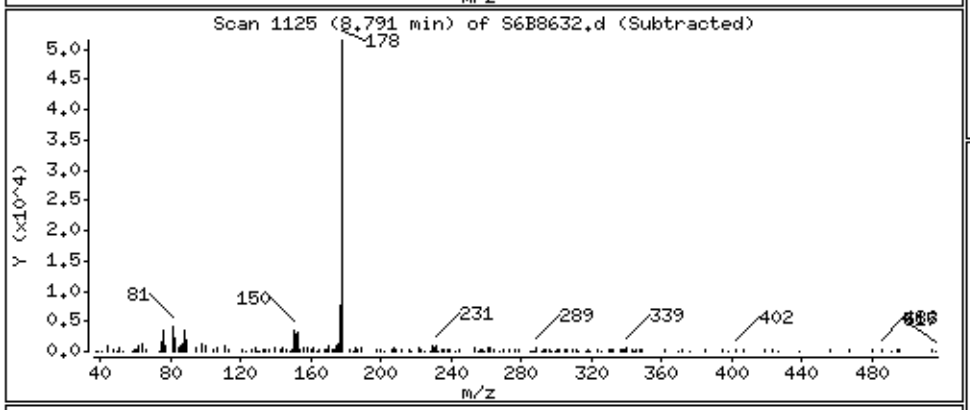
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

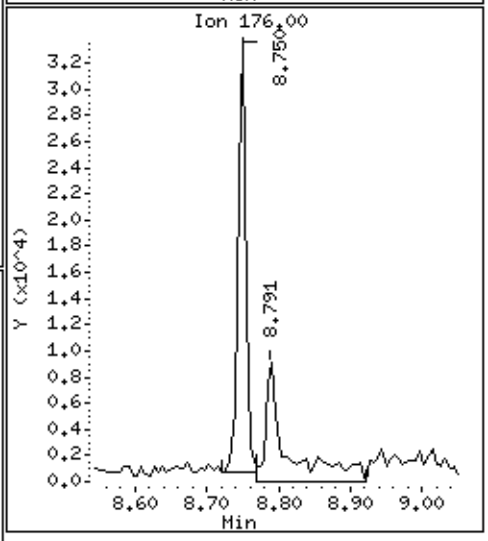
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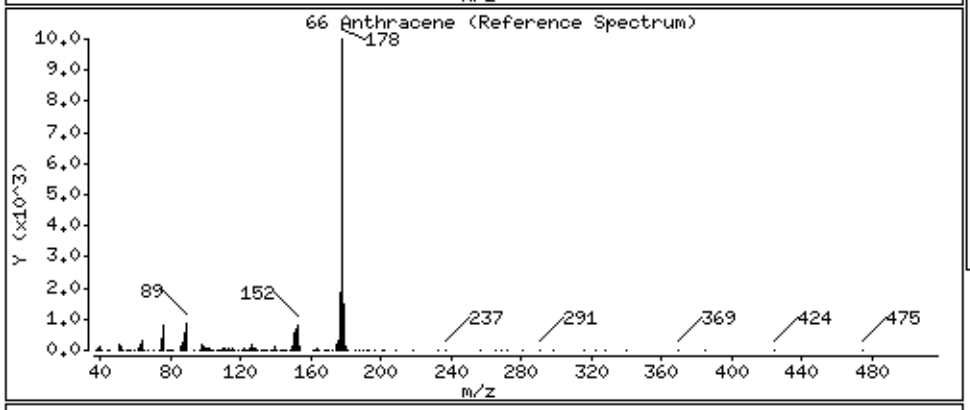
66 Anthracene Concentration: 90 ug/Kg

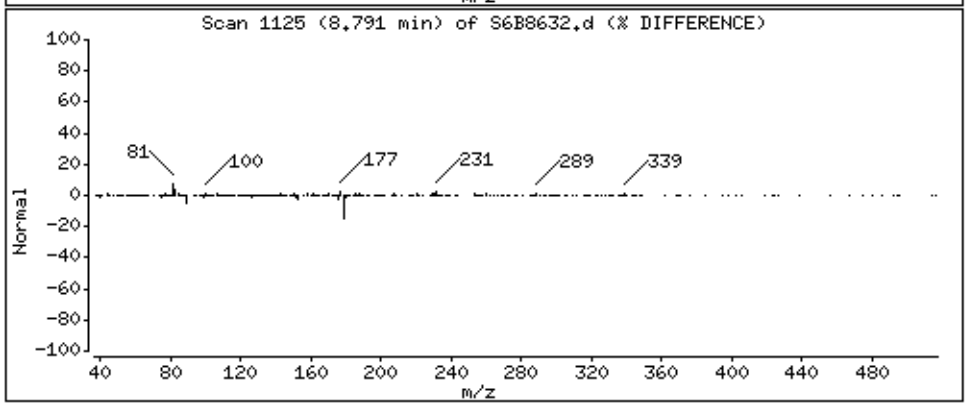












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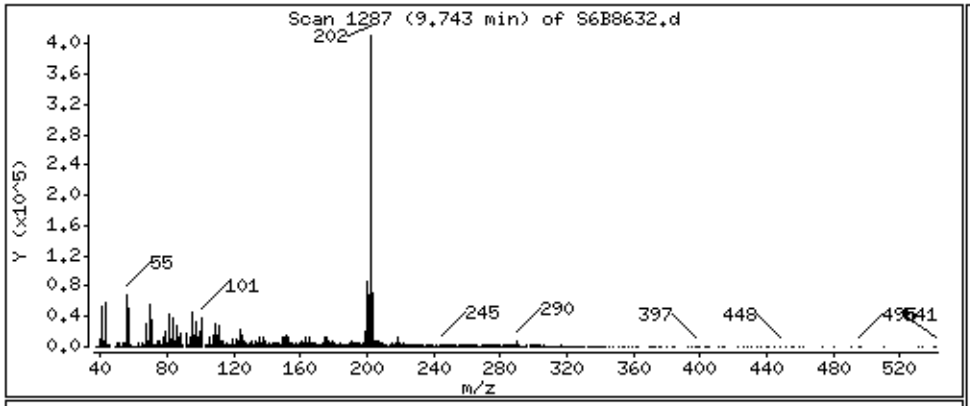
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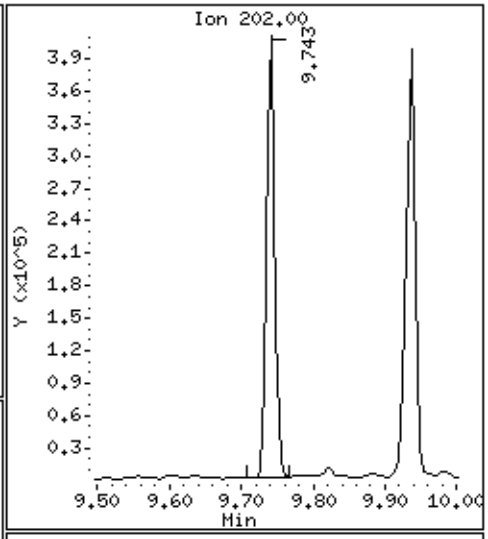
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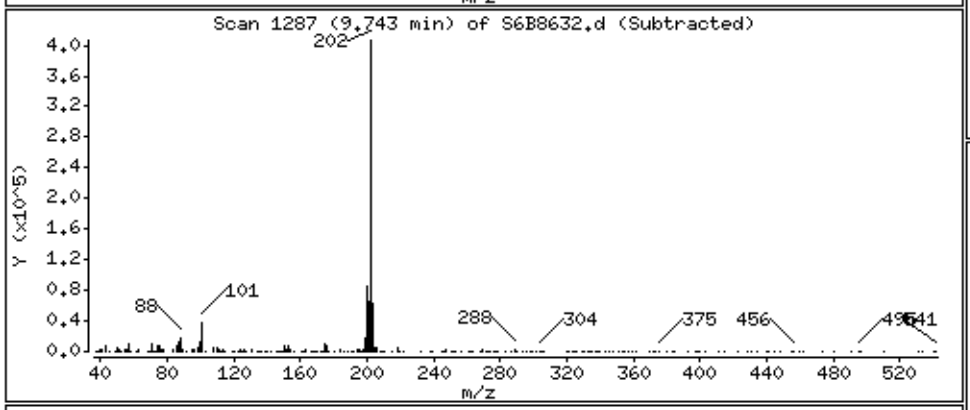
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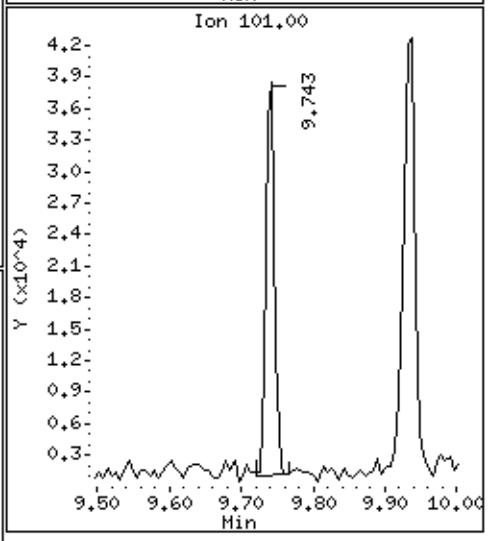
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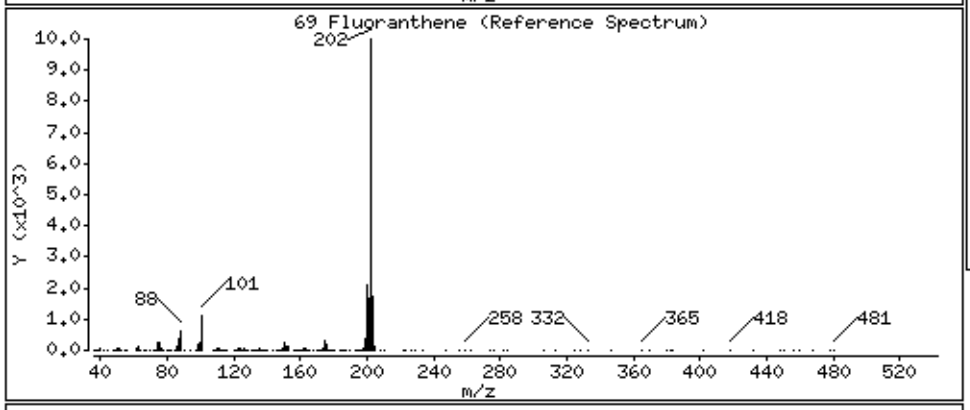
69 Fluoranthene Concentration: 620 ug/Kg

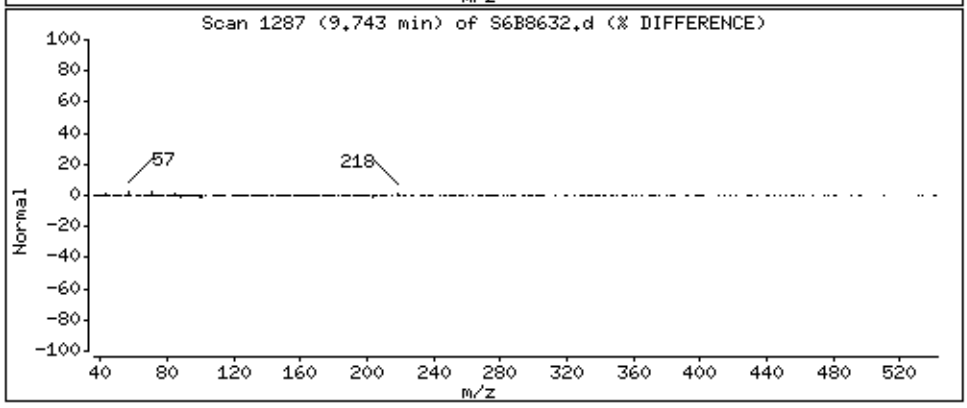












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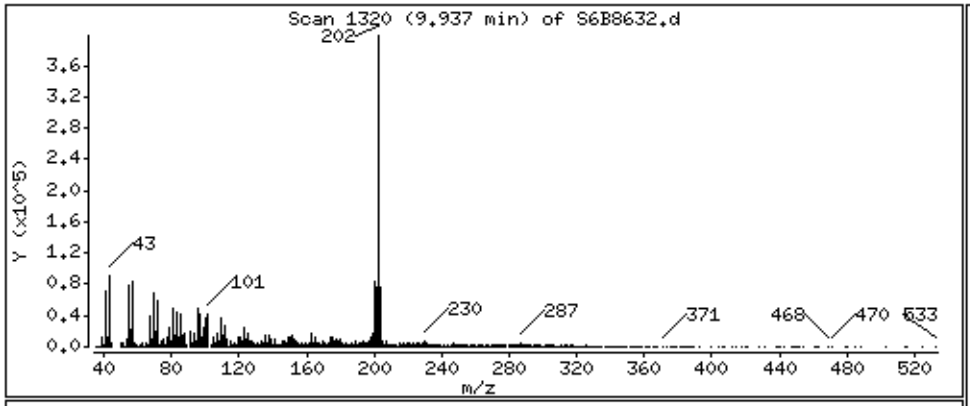
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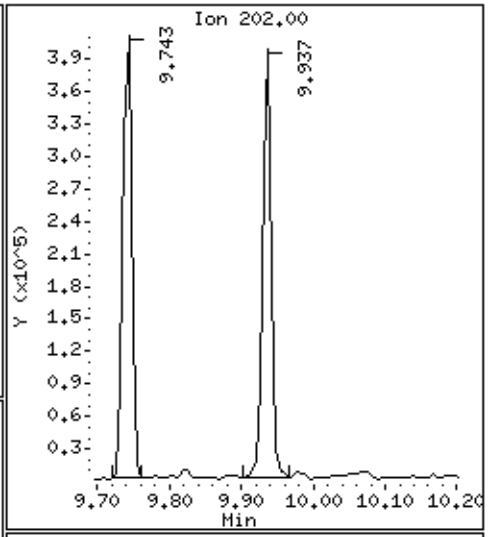
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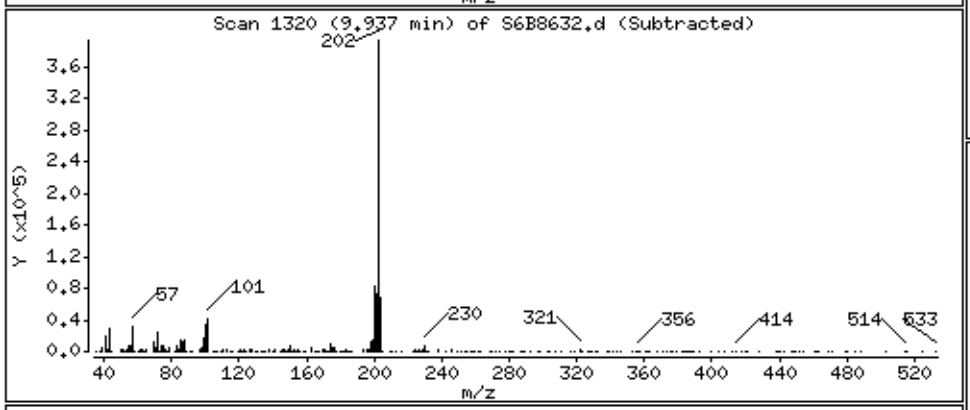
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

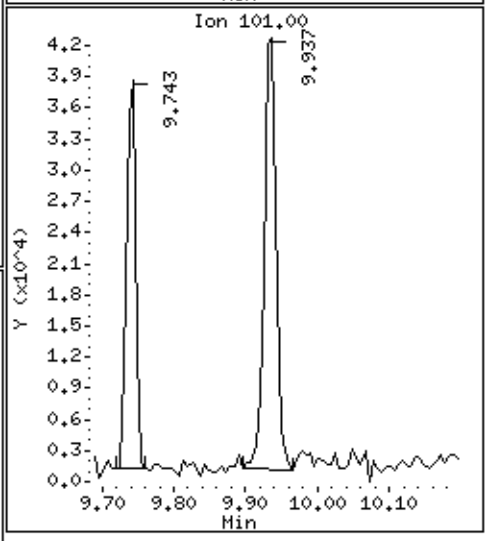
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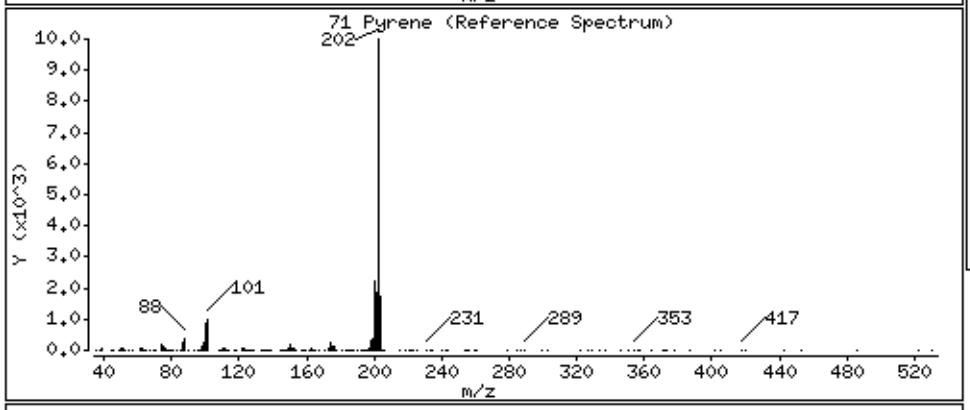
71 Pyrene Concentration: 610 ug/Kg

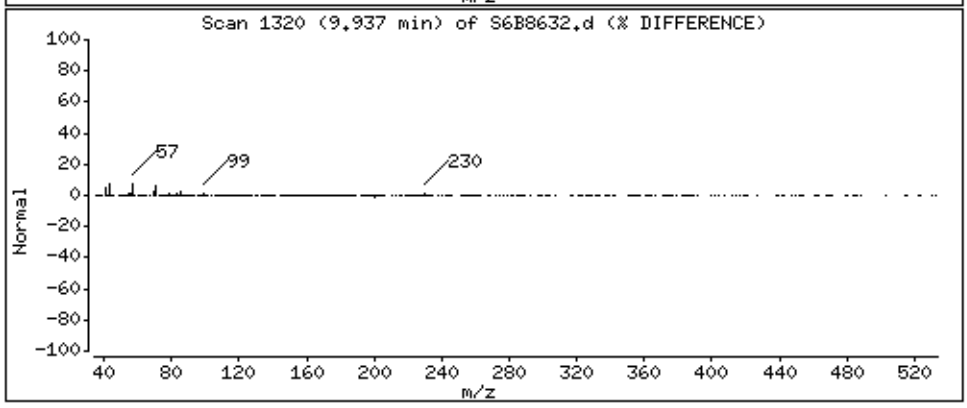












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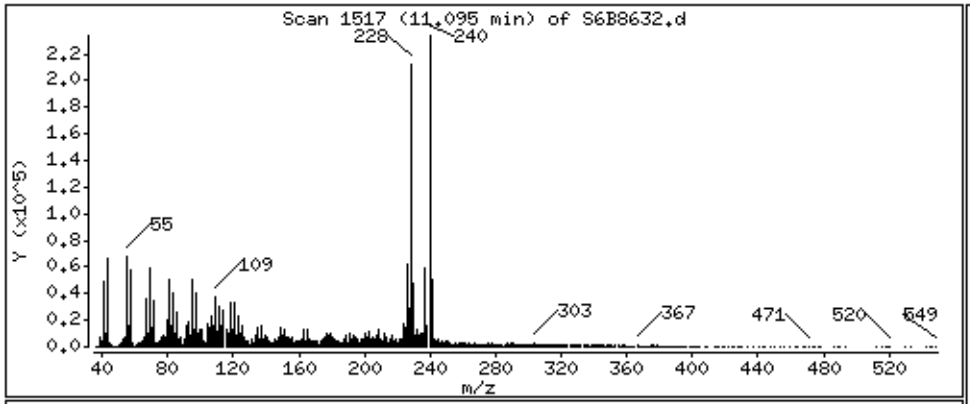
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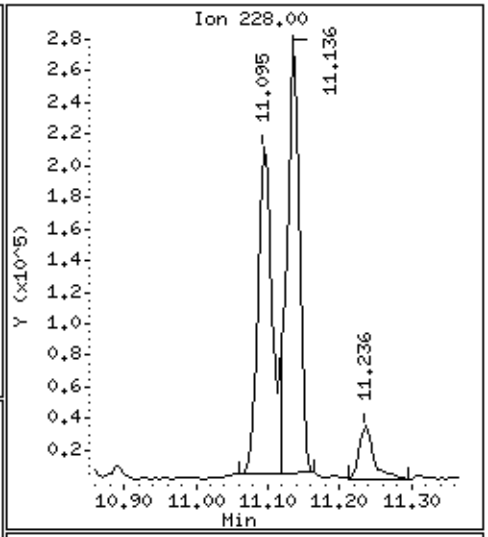
Sample Info: N1194-03A,,78074

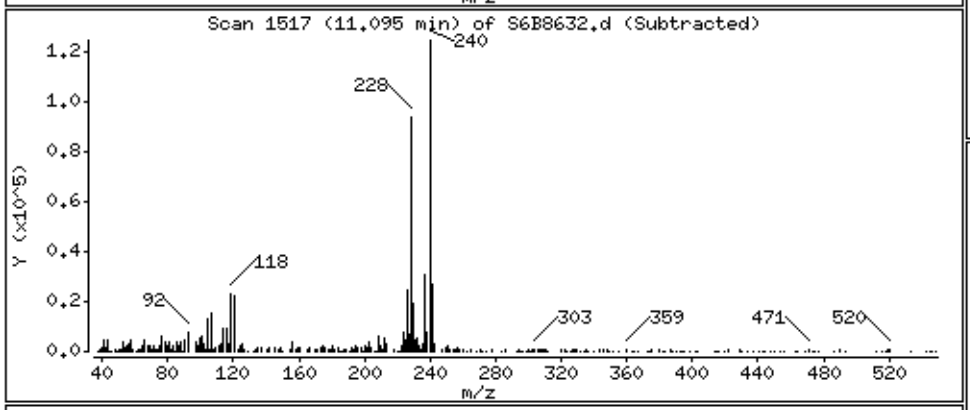
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

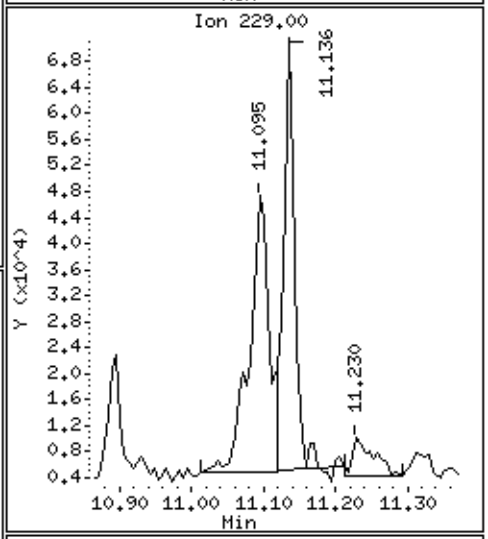
Column phase: Rxi-5Sil MS Column diameter: 0.25

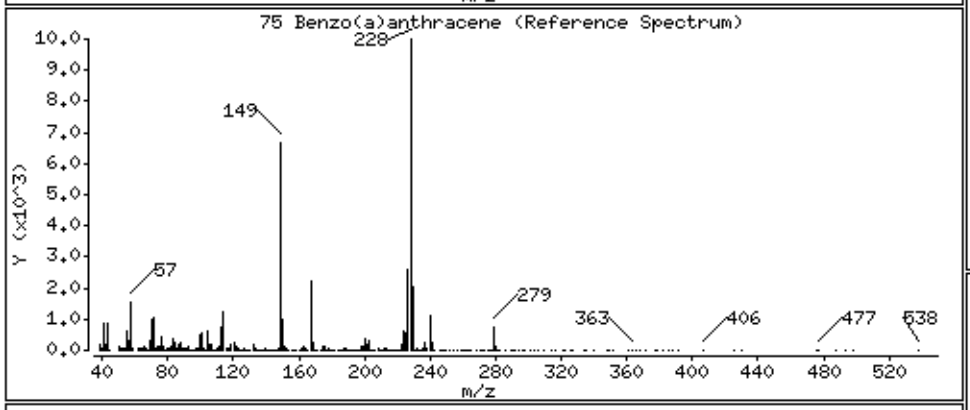
75 Benzo(a)anthracene Concentration: 580 ug/Kg

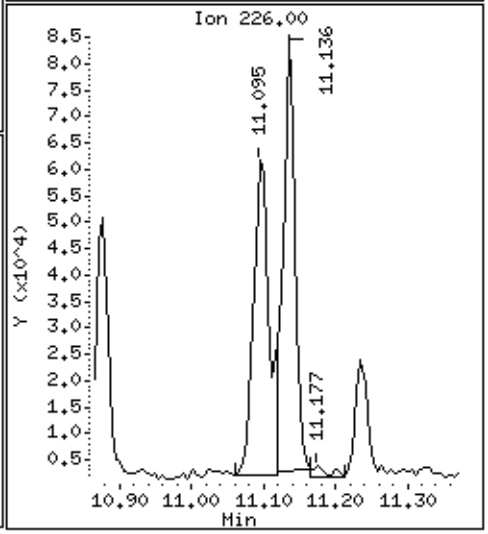


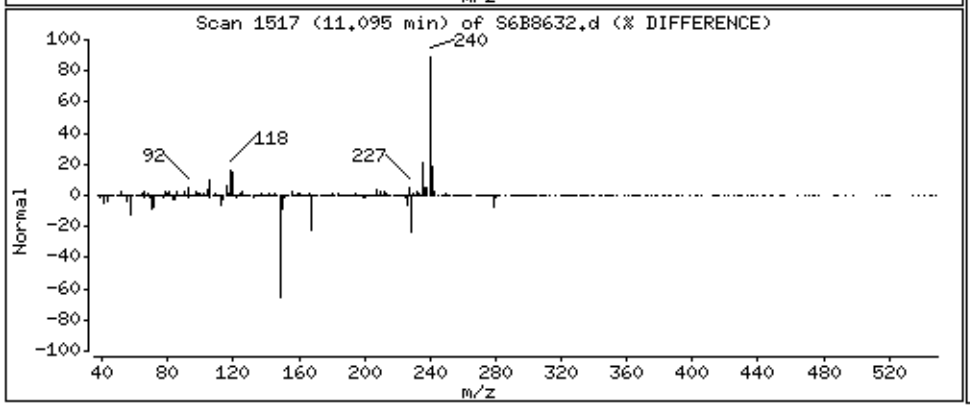












Data File: \\avogadro\organics\S6.I\140717.B\S6B8632.d

Date : 17-JUL-2014 16:59

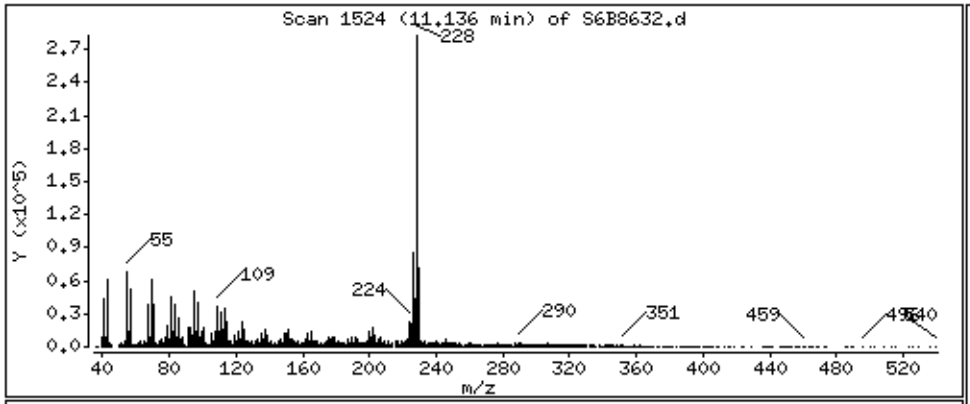
Client ID: SS-13-071014 Instrument: S6.i

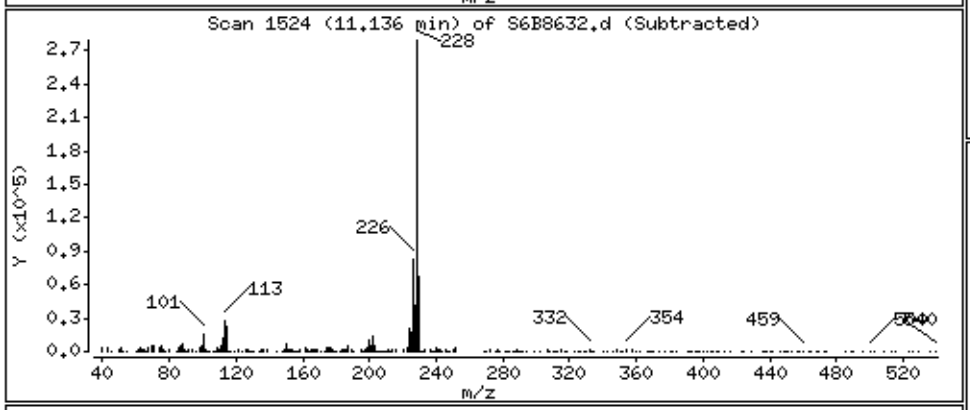
Sample Info: N1194-03A,,78074

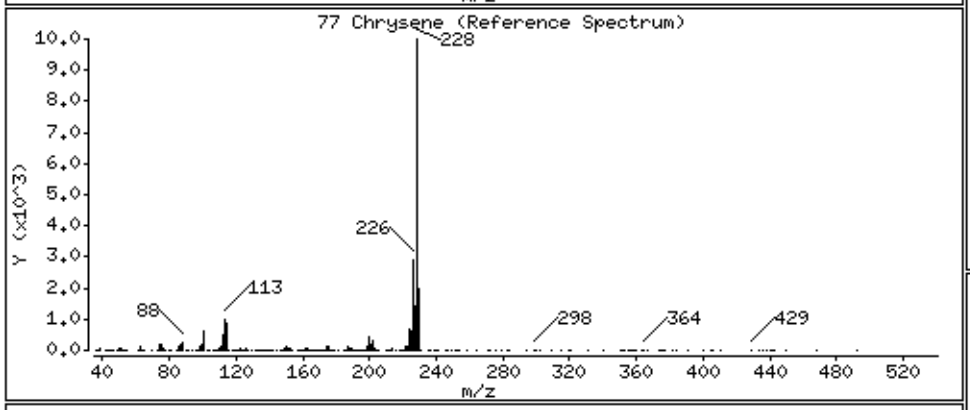
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

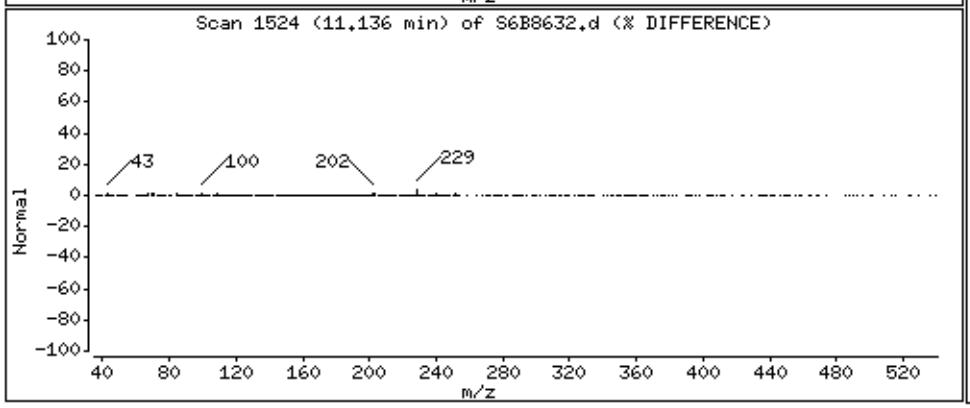
Column phase: Rxi-5Sil MS Column diameter: 0.25

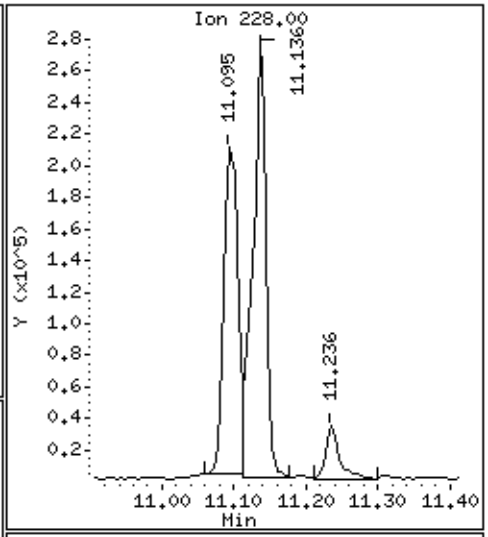
77 Chrysene Concentration: 750 ug/Kg

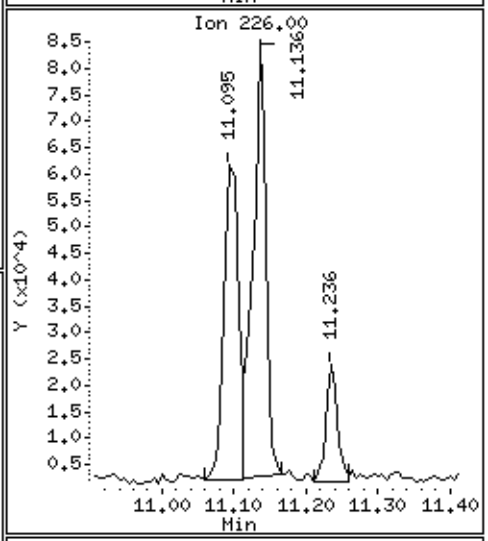


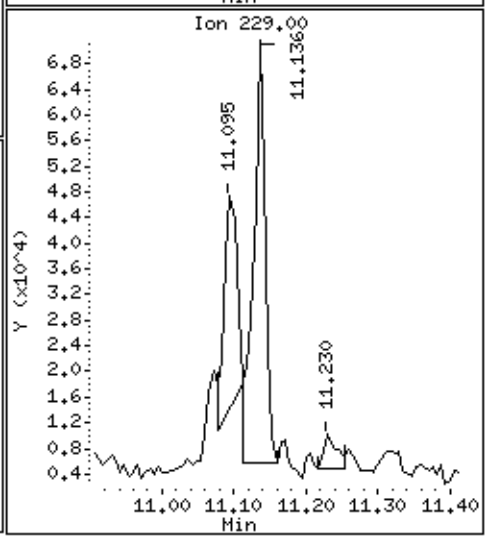












Data File: \\avogadro\organics\S6.I\140717.B\S6B8632.d

Date : 17-JUL-2014 16:59

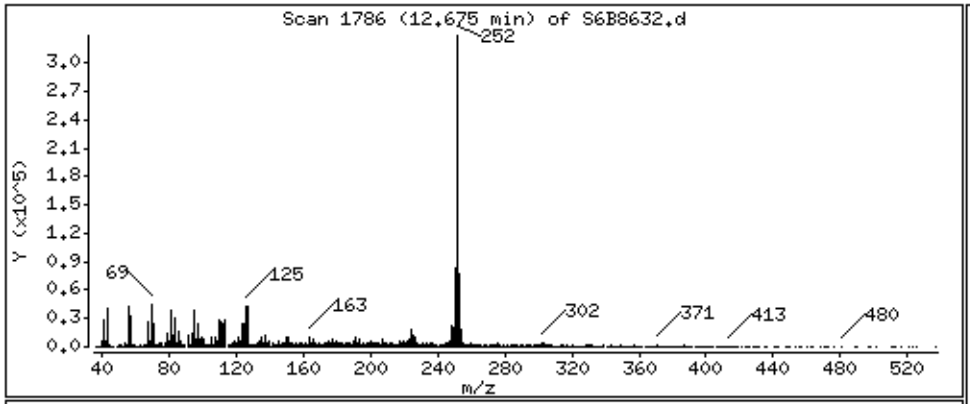
Client ID: SS-13-071014 Instrument: S6.i

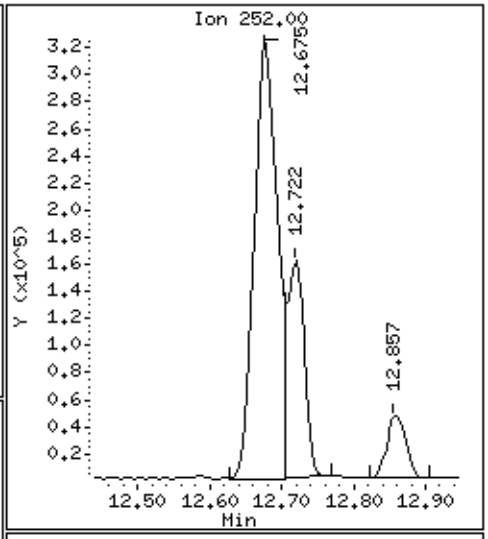
Sample Info: N1194-03A,,78074

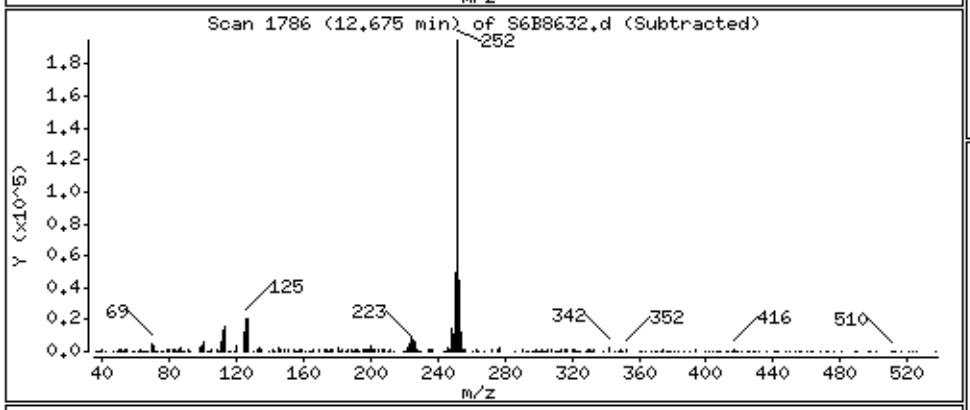
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

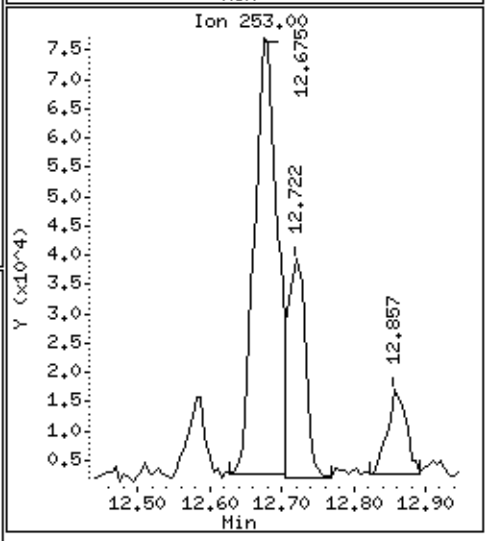
Column phase: Rxi-5Sil MS Column diameter: 0.25

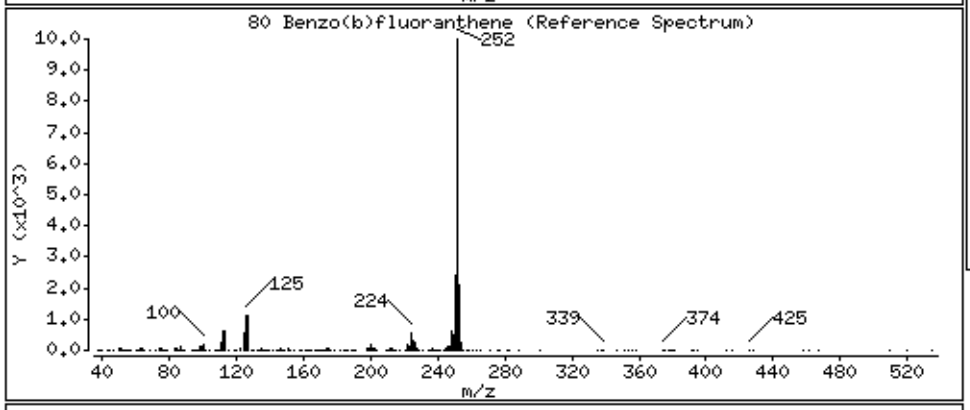
80 Benzo(b)fluoranthene Concentration: 1200 ug/Kg

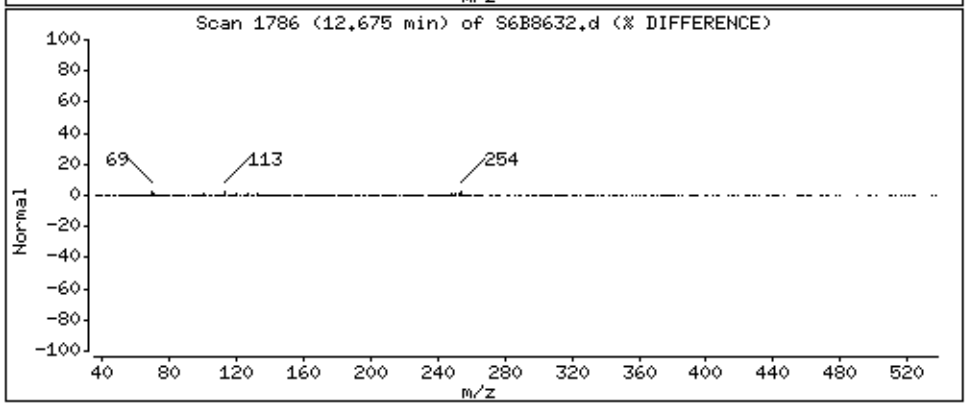












Data File: \\avogadro\organics\S6.I\140717.B\S6B8632.d

Date : 17-JUL-2014 16:59

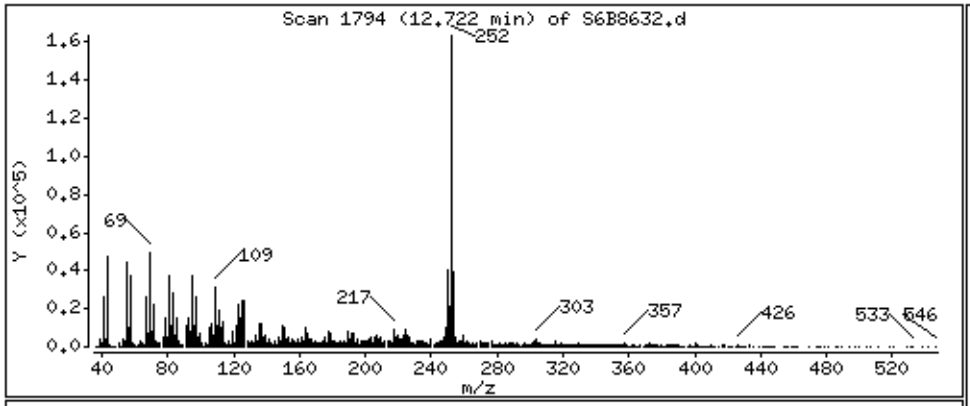
Client ID: SS-13-071014 Instrument: S6.i

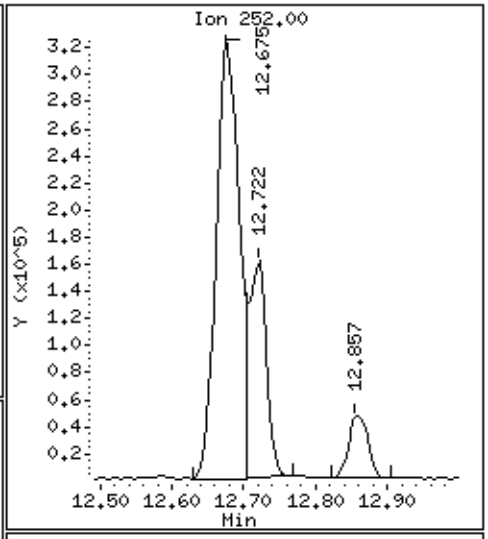
Sample Info: N1194-03A,,78074

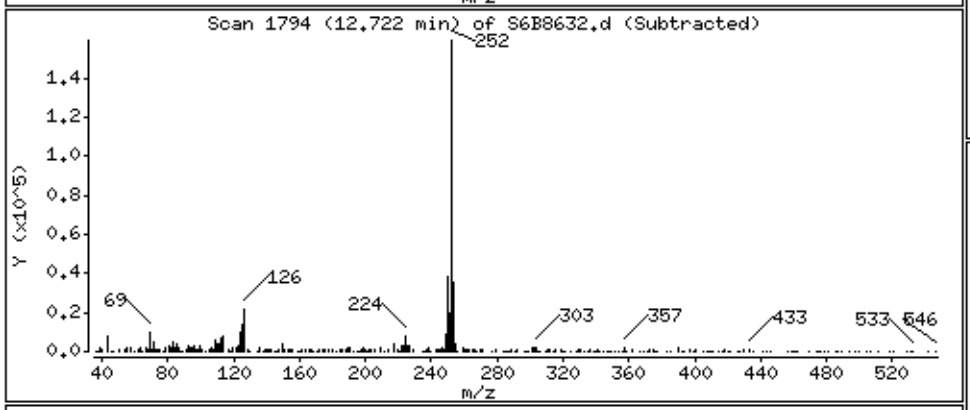
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

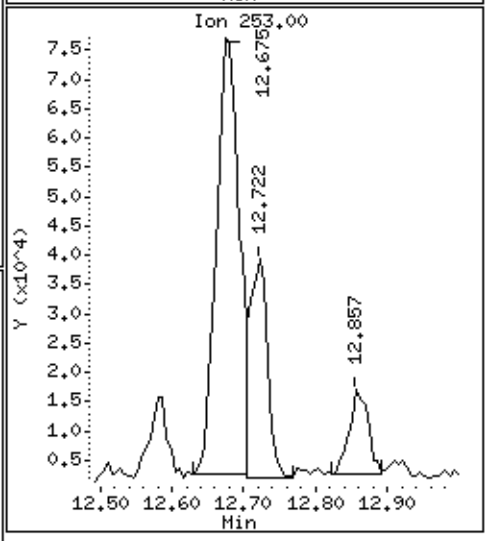
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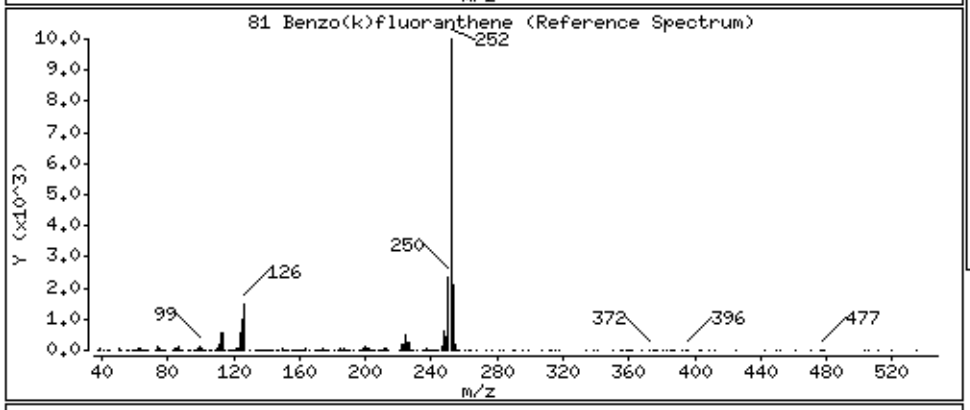
81 Benzo(k)fluoranthene Concentration: 470 ug/Kg

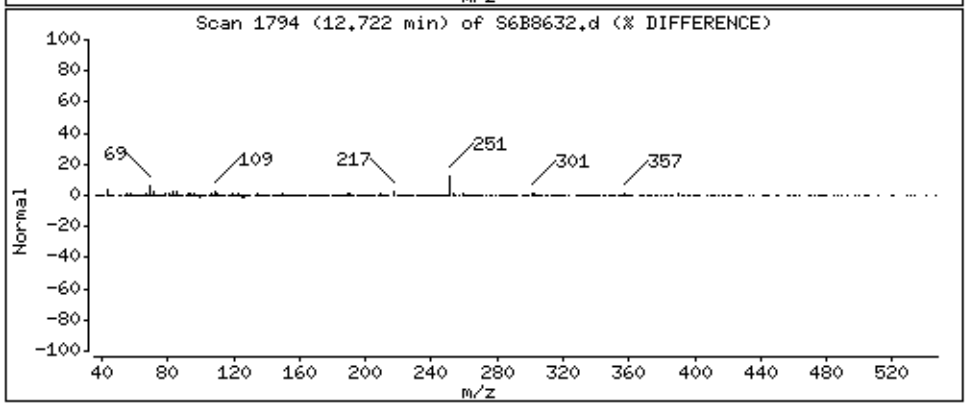












Data File: \\avogadro\organics\S6.I\140717.B\S6B8632.d

Date : 17-JUL-2014 16:59

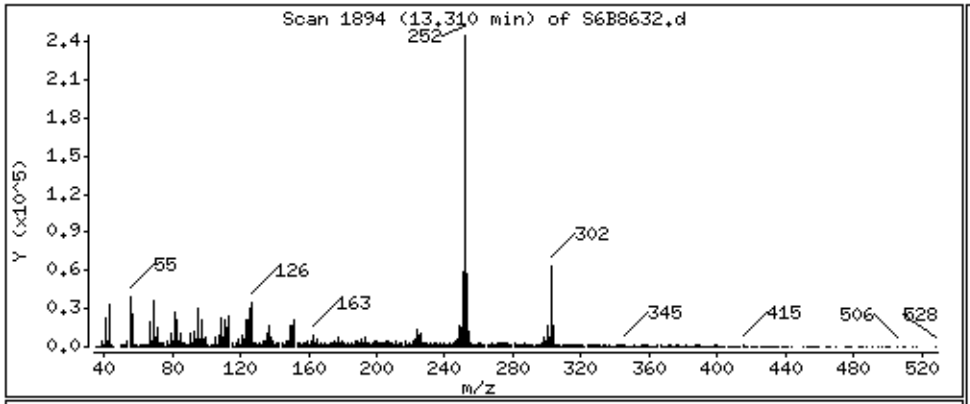
Client ID: SS-13-071014 Instrument: S6.i

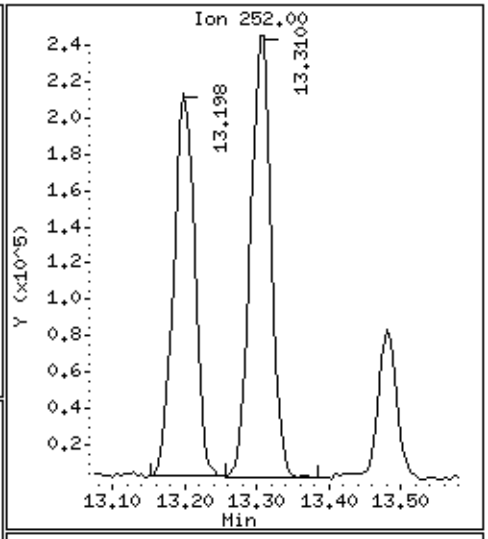
Sample Info: N1194-03A,,78074

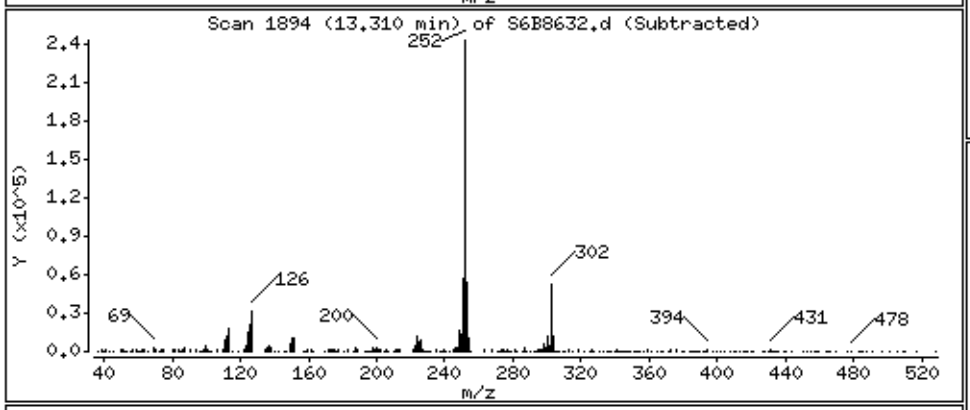
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

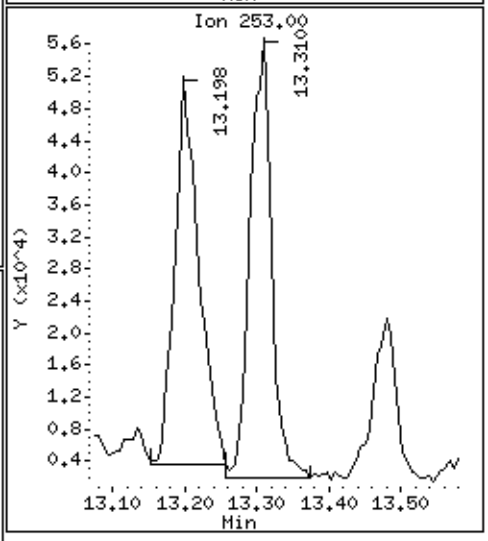
Column phase: Rxi-5Sil MS Column diameter: 0.25

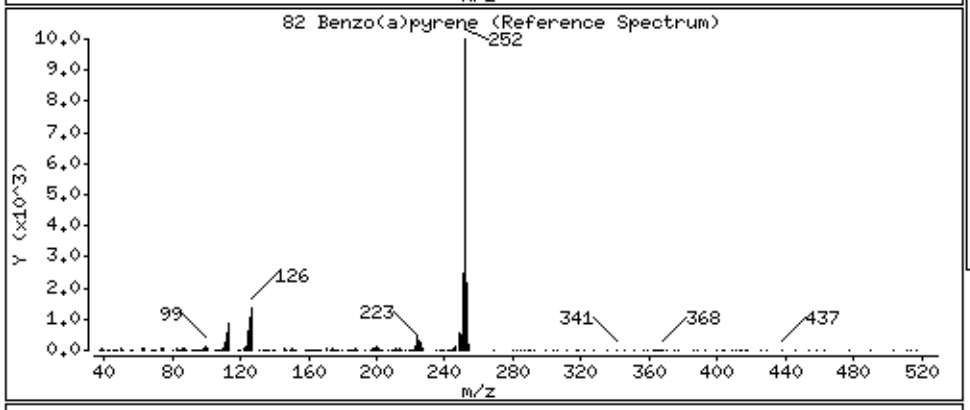
82 Benzo(a)pyrene Concentration: 880 ug/Kg

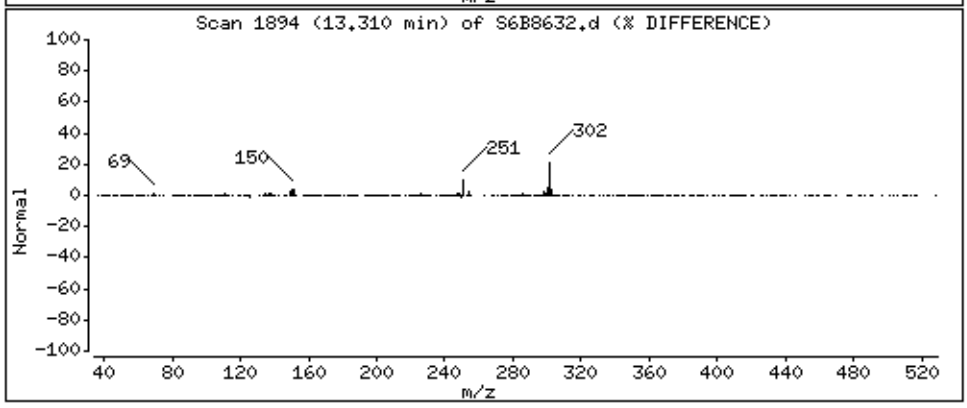












Data File: \\avogadro\organics\S6.I\140717.B\S6B8632.d

Date : 17-JUL-2014 16:59

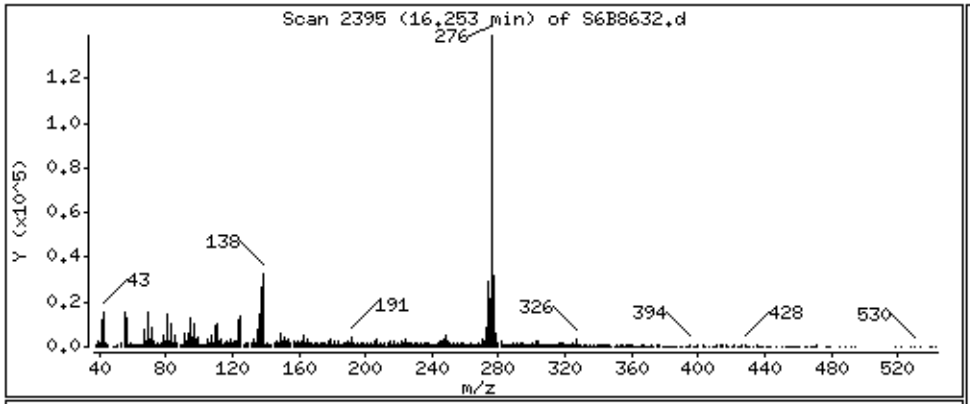
Client ID: SS-13-071014 Instrument: S6.i

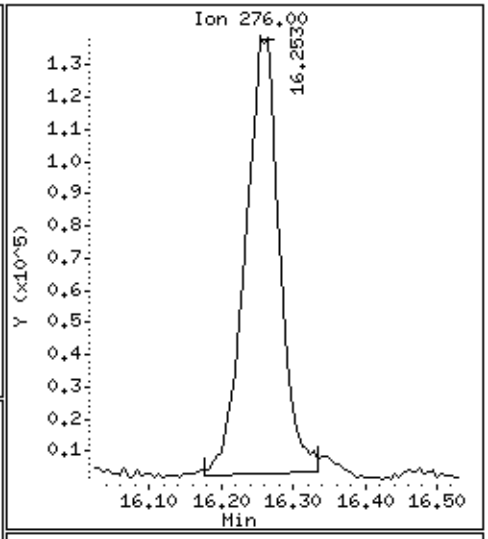
Sample Info: N1194-03A,,78074

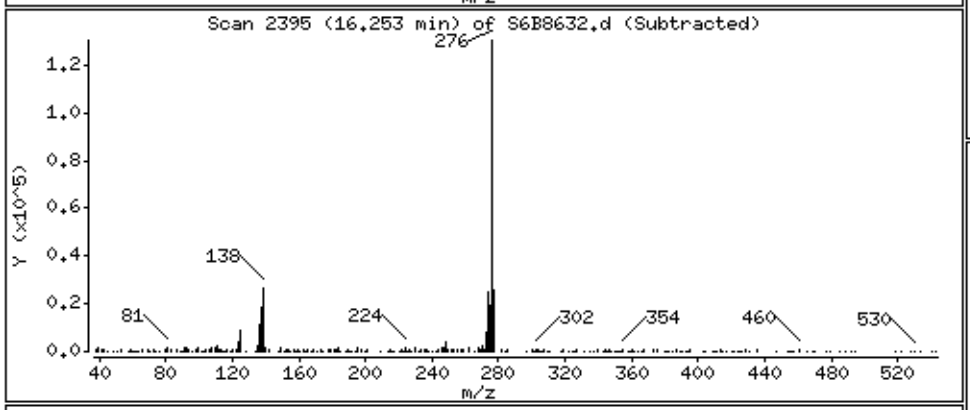
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

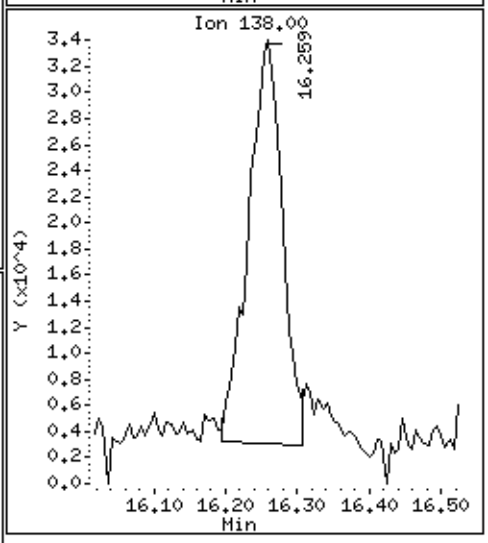
Column phase: Rxi-5Sil MS Column diameter: 0.25

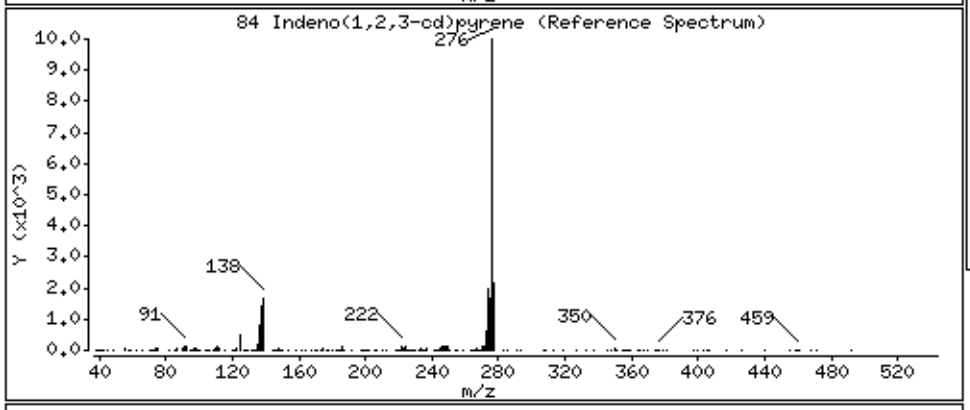
84 Indeno(1,2,3-cd)pyrene Concentration: 930 ug/Kg

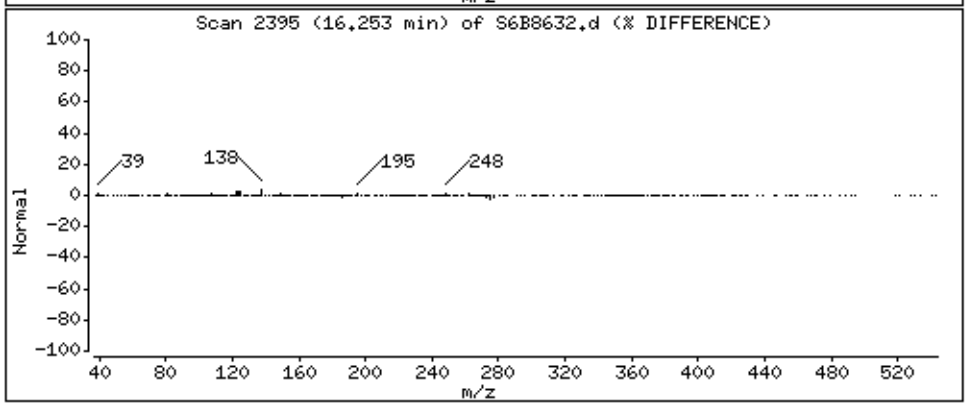












Data File: \\avogadro\organics\S6.I\140717.B\S6B8632.d

Date : 17-JUL-2014 16:59

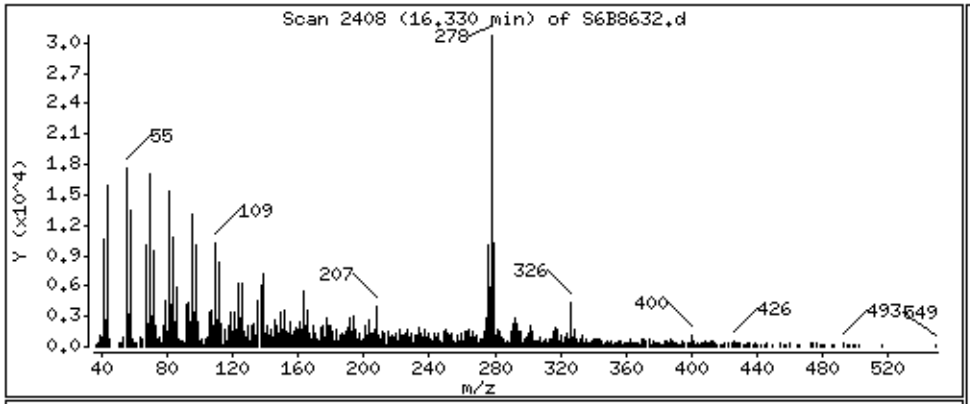
Client ID: SS-13-071014 Instrument: S6.i

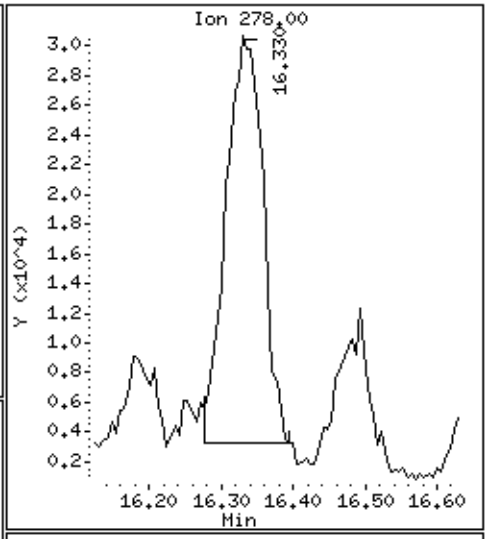
Sample Info: N1194-03A,,78074

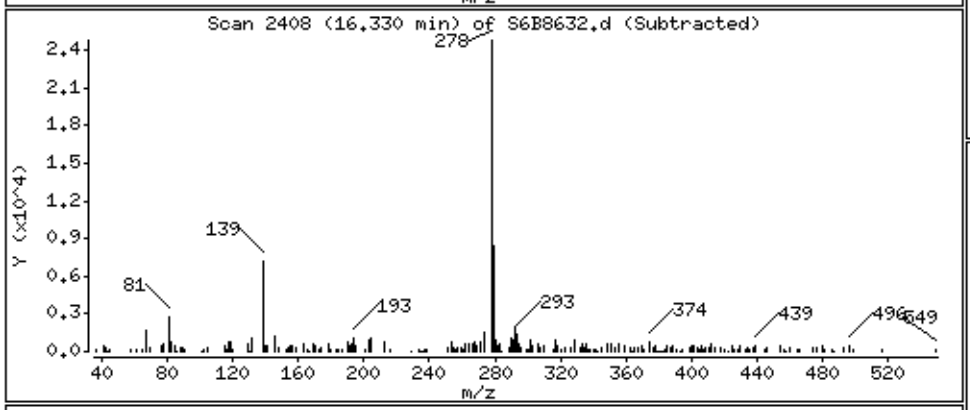
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

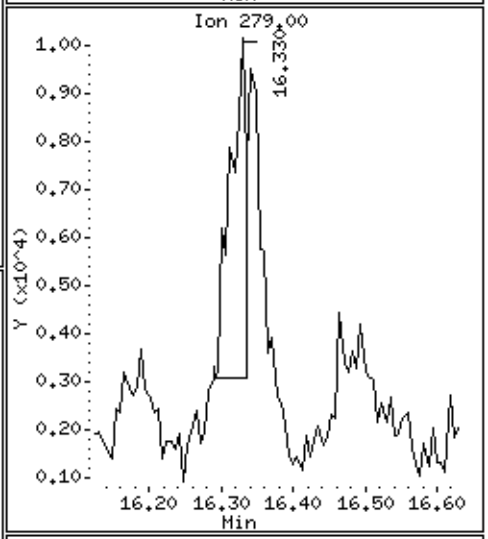
Column phase: Rxi-5Sil MS Column diameter: 0.25

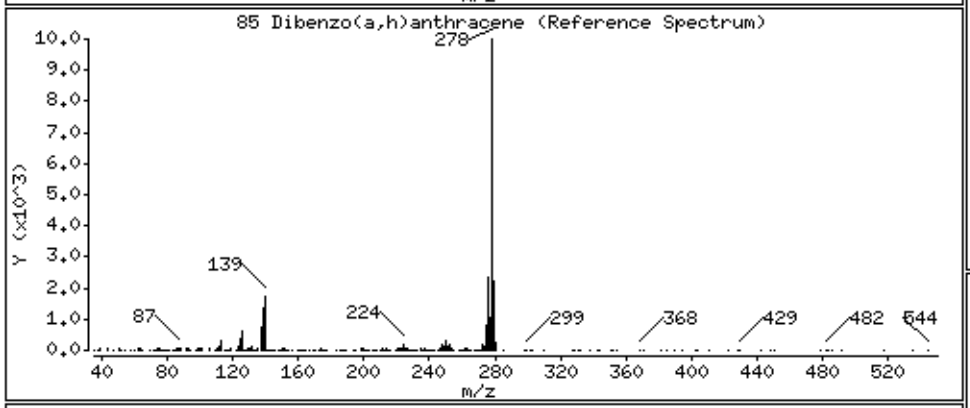
85 Dibenzo(a,h)anthracene Concentration: 200 ug/Kg

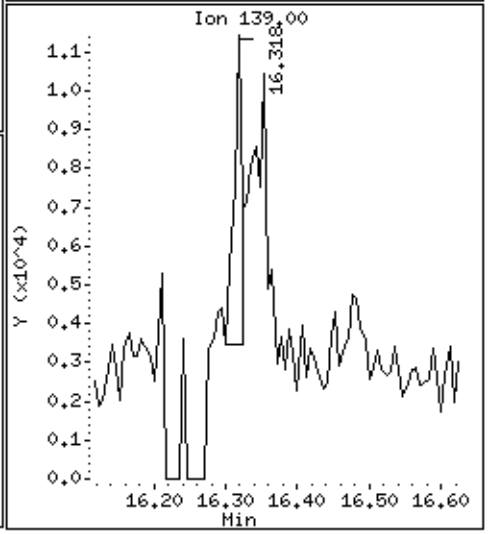


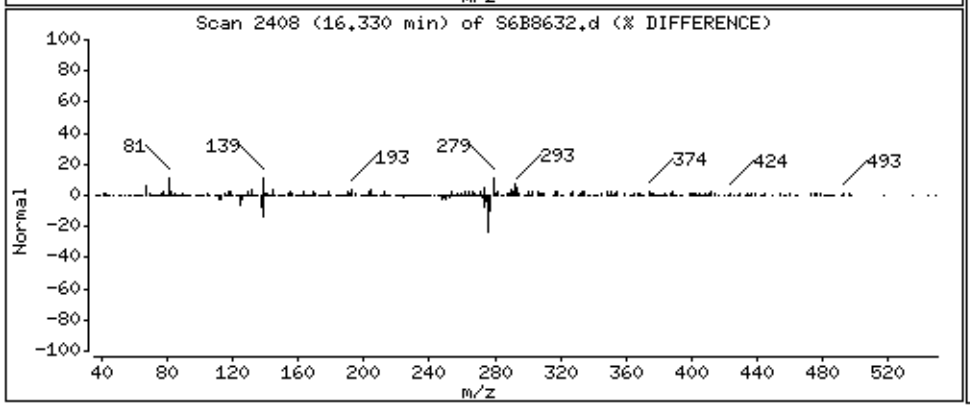












Data File: \\avogadro\organics\S6.I\140717.B\S6B8632.d

Date : 17-JUL-2014 16:59

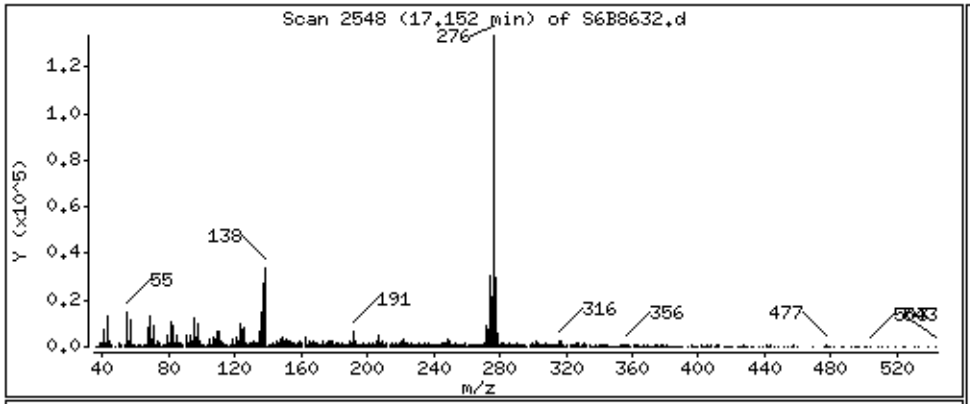
Client ID: SS-13-071014 Instrument: S6.i

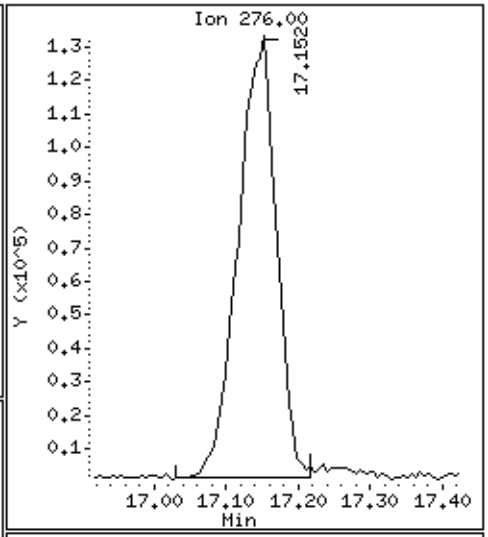
Sample Info: N1194-03A,,78074

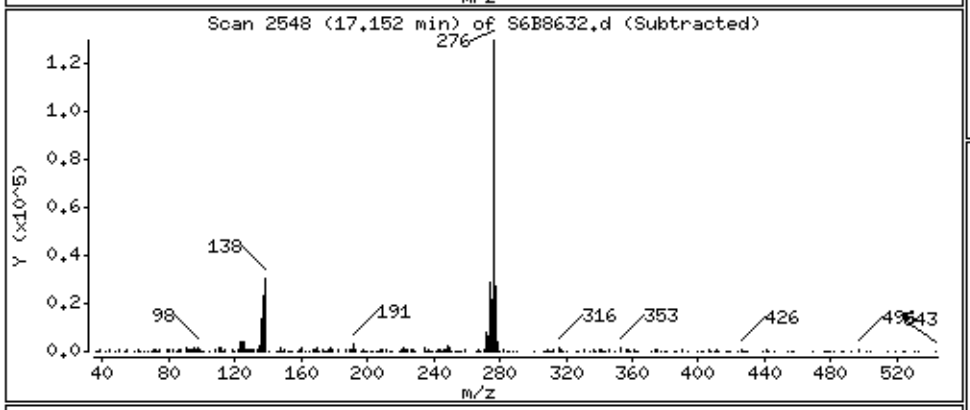
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

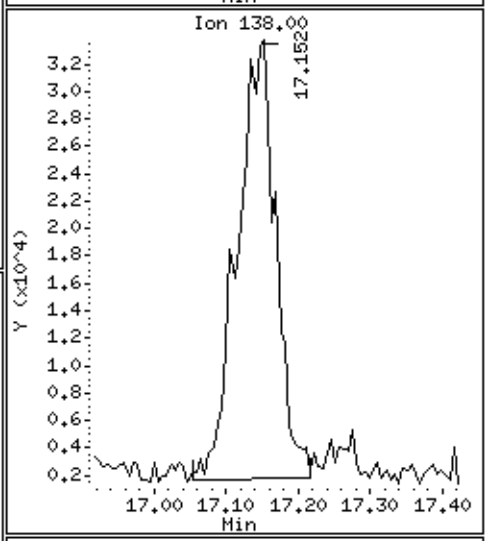
Column phase: Rxi-5Sil MS Column diameter: 0.25

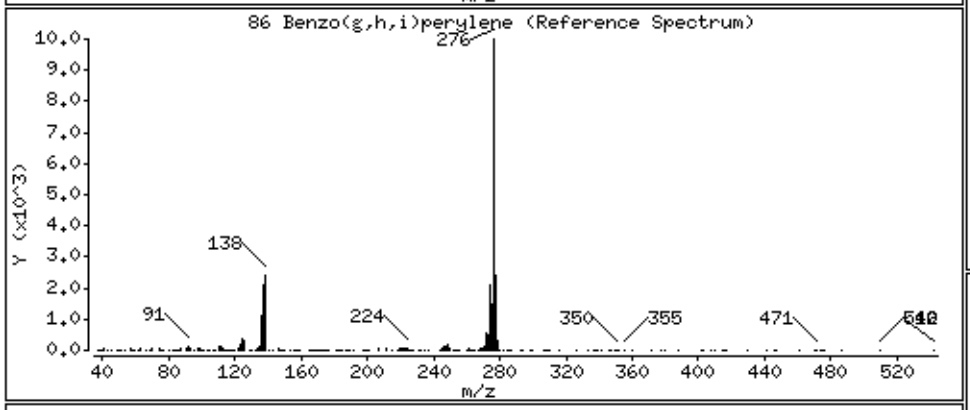
86 Benzo(g,h,i)perylene Concentration: 970 ug/Kg

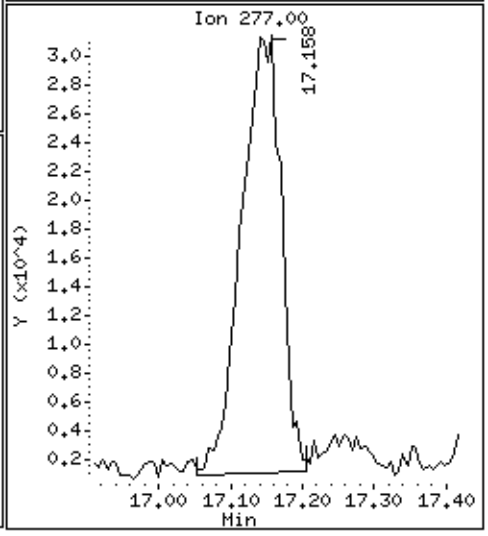


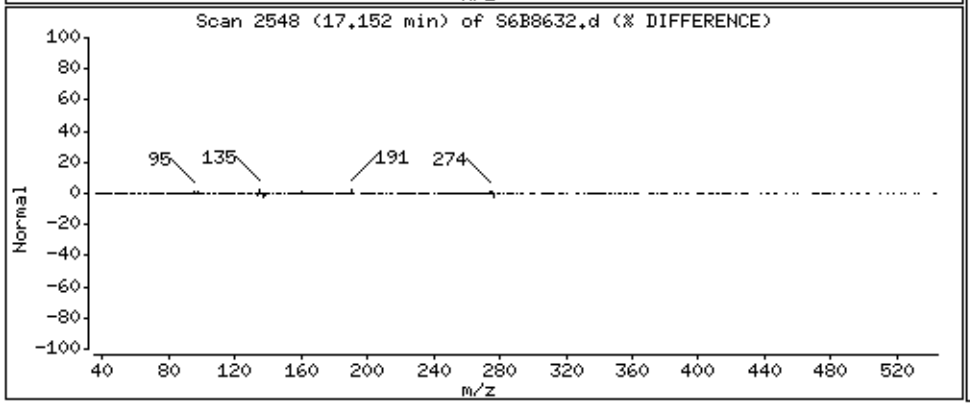












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-14-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-04A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8633.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	270	J
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	190	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	540	
120-12-7	Anthracene	160	J
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	1100	
56-55-3	Benzo(a)anthracene	1200	
218-01-9	Chrysene	1400	
205-99-2	Benzo(b)fluoranthene	2700	
207-08-9	Benzo(k)fluoranthene	1000	
50-32-8	Benzo(a)pyrene	2200	
193-39-5	Indeno(1,2,3-cd)pyrene	2400	
53-70-3	Dibenzo(a,h)anthracene	520	
191-24-2	Benzo(g,h,i)perylene	2500	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8633.d
Report Date: 18-Jul-2014 15:42

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8633.d
Lab Smp Id: N1194-04A Client Smp ID: SS-14-071014
Inj Date : 17-JUL-2014 17:23
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-04A,,78074
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.100	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	3.844	3.832	(0.775)	365617	37.1462	2500
$ 5 Phenol-d5	99	4.660	4.655	(0.940)	460243	36.6279	2400
* 12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	297151	40.0000	
$ 22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	455908	44.6745	3000
* 31 Naphthalene-d8	136	6.035	6.035	(1.000)	990108	40.0000	
32 Naphthalene	128	6.053	6.053	(1.003)	85694	3.43478	230(a)
36 2-Methylnaphthalene	142	6.629	6.629	(1.098)	49625	2.87478	190(a)
$ 41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	943219	44.3851	2900
* 48 Acenaphthene-d10	164	7.498	7.498	(1.000)	607248	40.0000	
49 Acenaphthene	153	7.522	7.528	(1.003)	44326	2.40040	160(a)
$ 60 2,4,6-Tribromophenol	330	8.150	8.156	(0.933)	111941	42.4815	2800
* 64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1144586	40.0000	
65 Phenanthrene	178	8.750	8.756	(1.002)	213388	6.90419	460(a)
66 Anthracene	178	8.791	8.797	(1.007)	65882	2.09212	140(a)
67 Carbazole	167	8.926	8.926	(1.022)	41485	1.46591	97(aQ)
69 Fluoranthene	202	9.743	9.749	(1.116)	519756	14.6939	970
71 Pyrene	202	9.937	9.949	(0.894)	579466	14.6533	970
$ 72 Terphenyl-d14	244	10.054	10.060	(0.905)	1062459	41.3654	2700
75 Benzo(a)anthracene	228	11.100	11.112	(0.999)	573593	15.6464	1000

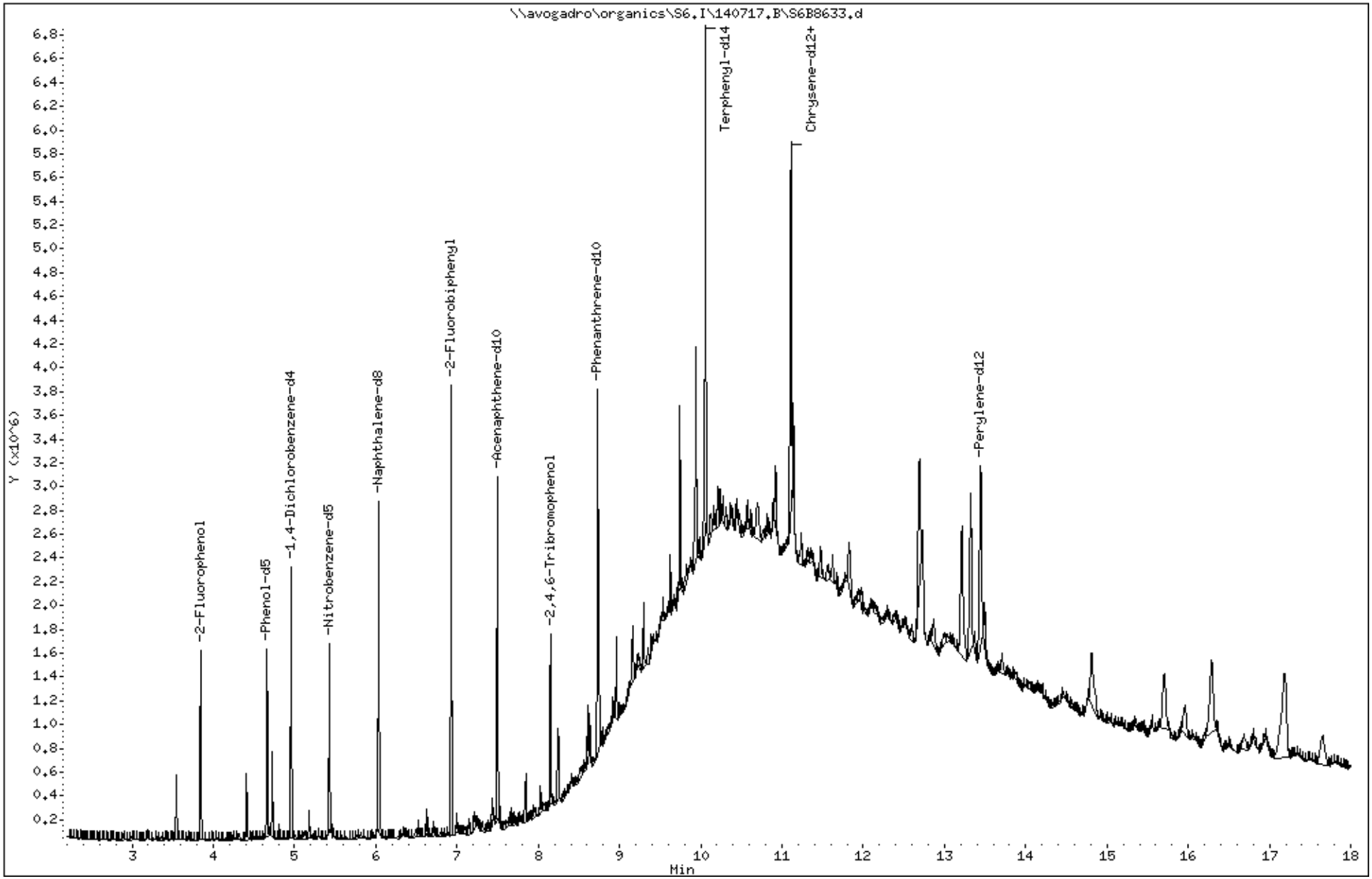
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Report Date: 18-Jul-2014 15:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)	
*	76 Chrysene-d12	240	11.112	11.130	(1.000)	1283966	40.0000		
	77 Chrysene	228	11.141	11.159	(1.003)	623424	18.5287	1200	
	80 Benzo(b)fluoranthene	252	12.686	12.692	(0.944)	1366019	35.0000	2300	
	81 Benzo(k)fluoranthene	252	12.733	12.745	(0.947)	521868	13.1692	870	
	82 Benzo(a)pyrene	252	13.321	13.327	(0.991)	1058386	28.4231	1900	
*	83 Perylene-d12	264	13.444	13.450	(1.000)	1327513	40.0000		
	84 Indeno(1,2,3-cd)pyrene	276	16.288	16.277	(1.212)	1014363	31.2203	2100	
	85 Dibenzo(a,h)anthracene	278	16.353	16.376	(1.216)	209470	6.62647	440(aM)M6 TM 07/18	
	86 Benzo(g,h,i)perylene	276	17.187	17.170	(1.278)	1057076	31.5048	2100	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8633.d
Date : 17-JUL-2014 17:23
Client ID: SS-14-071014
Instrument: S6.i
Sample Info: N1194-04A,,78074
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8633.d

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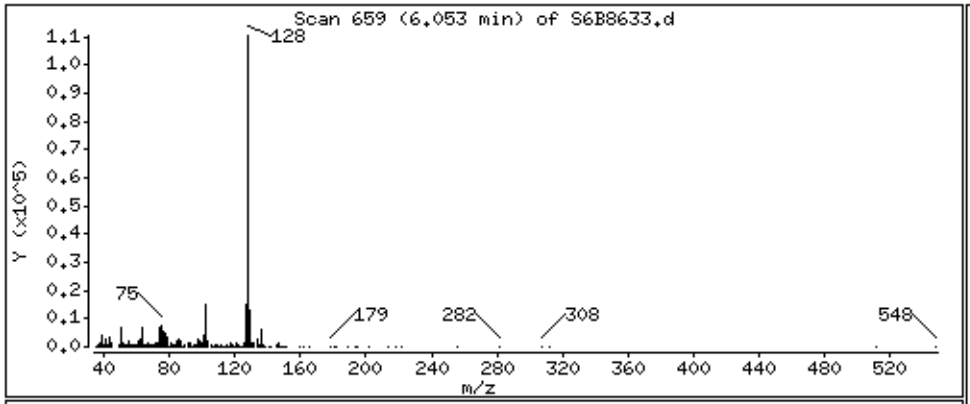
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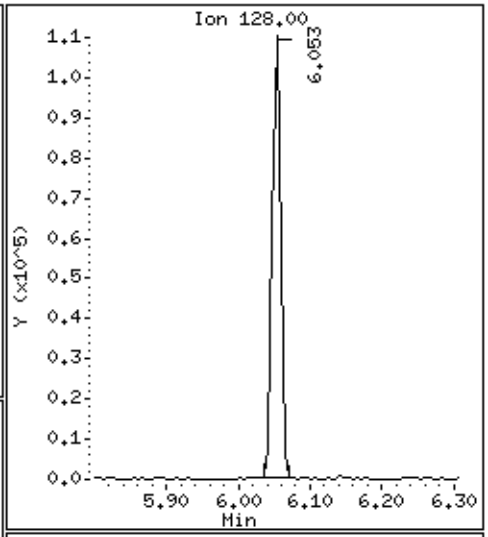
Sample Info: N1194-04A,,78074

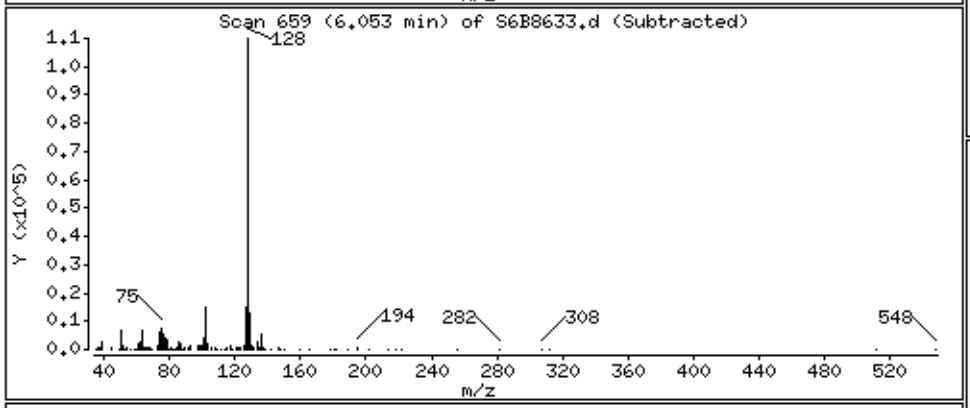
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

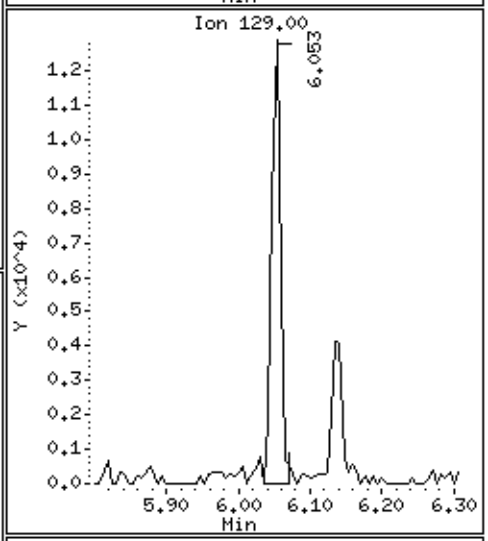
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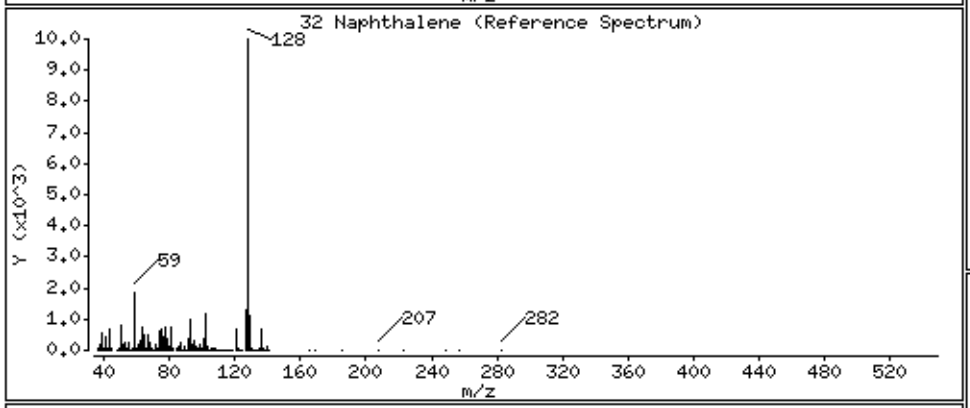
32 Naphthalene Concentration: 230 ug/Kg

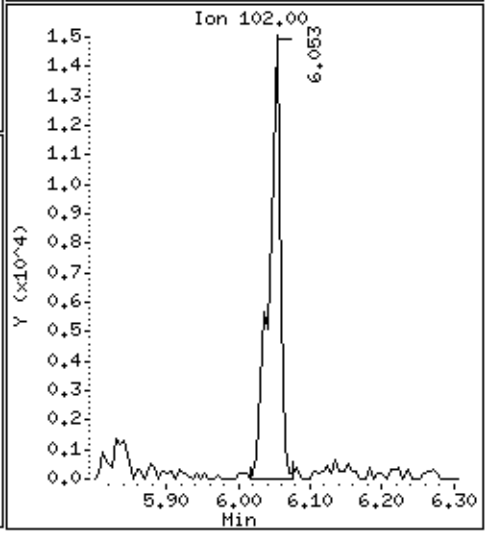


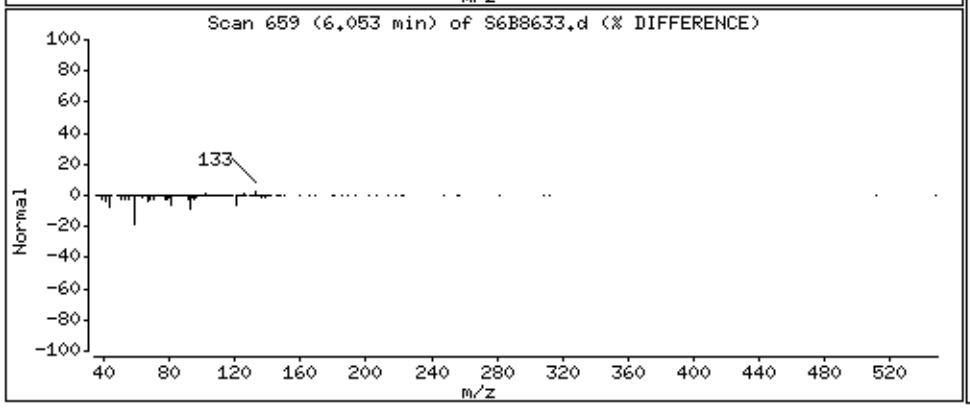












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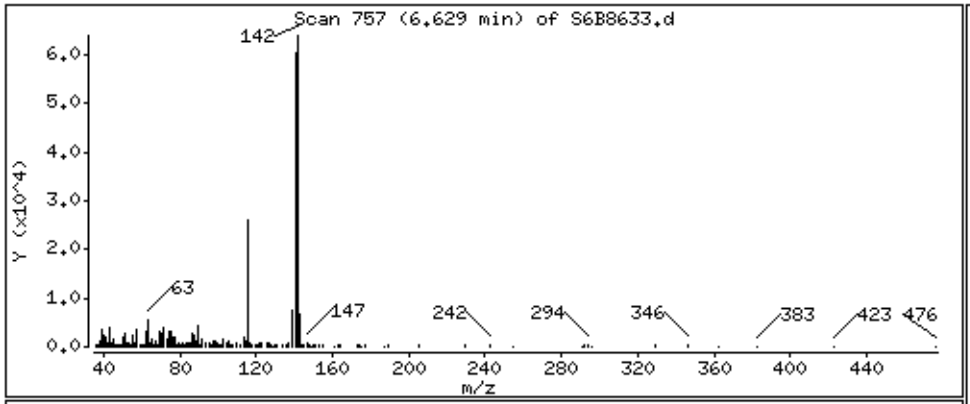
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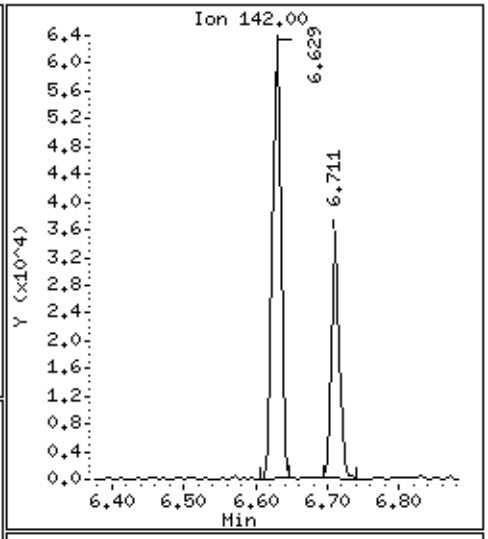
Sample Info: N1194-04A,,78074

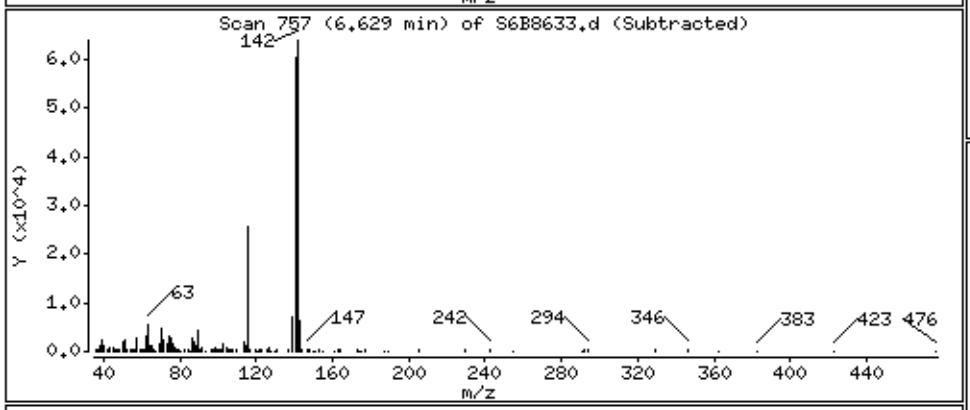
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

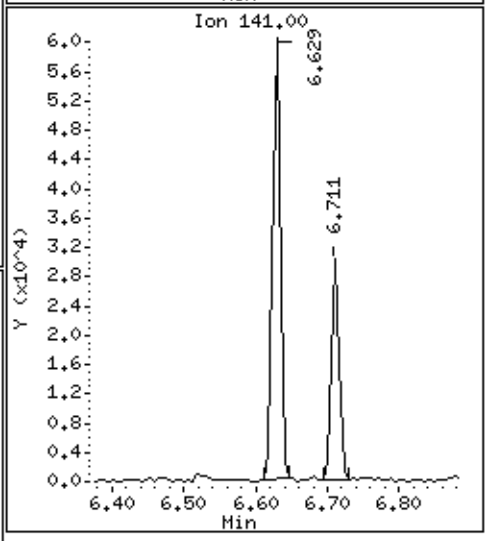
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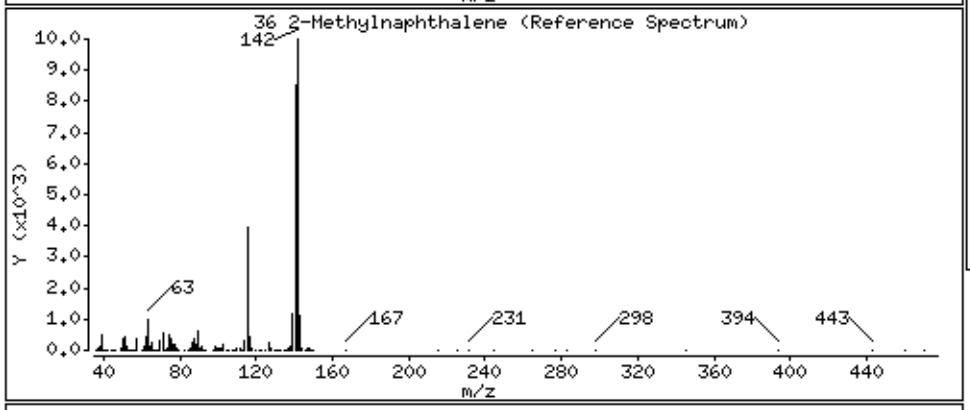
36 2-Methylnaphthalene Concentration: 190 ug/Kg

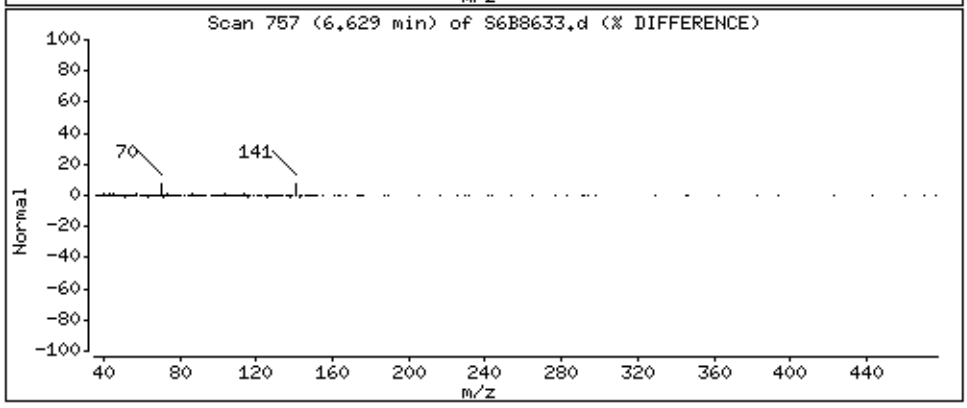












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Date : 17-JUL-2014 17:23

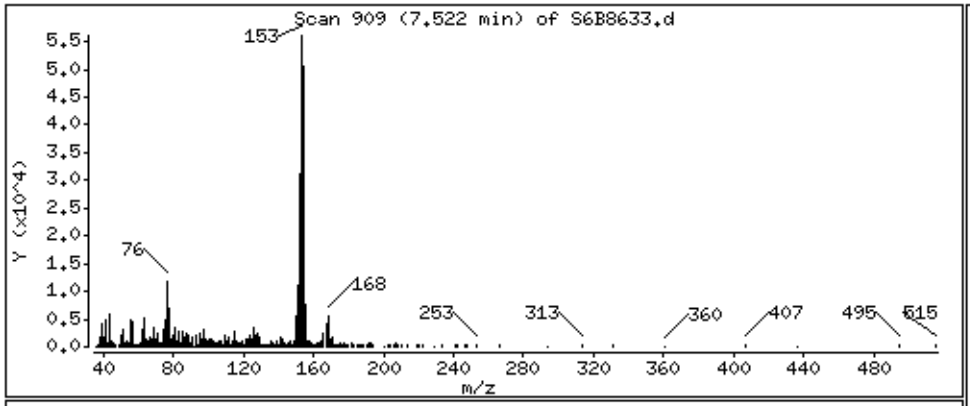
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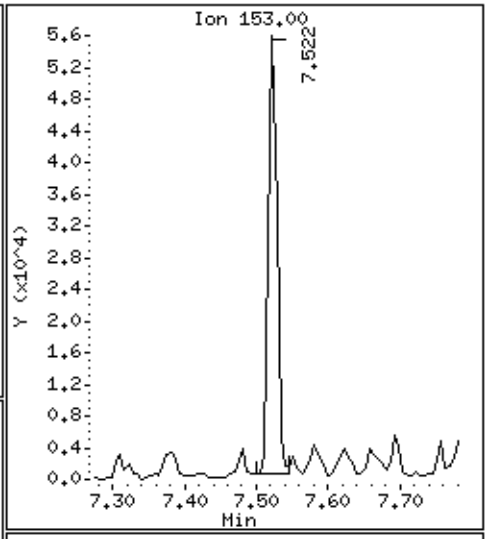
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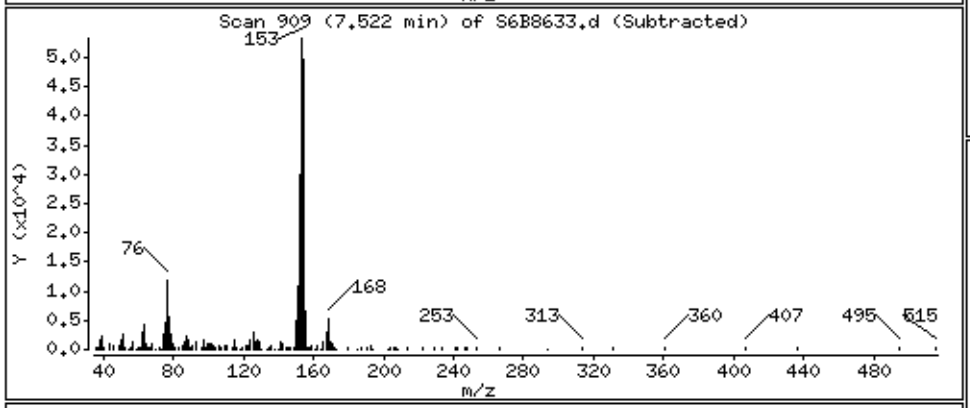
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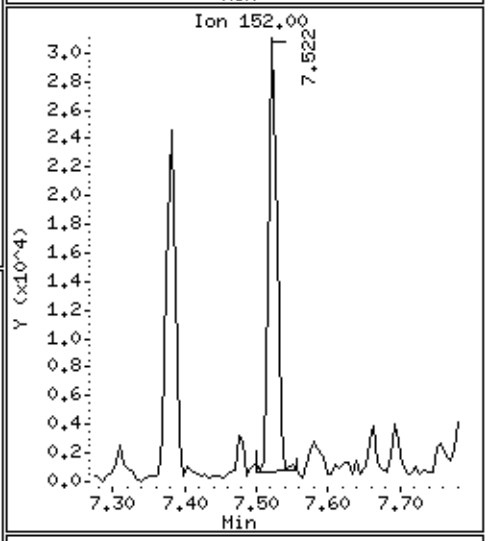
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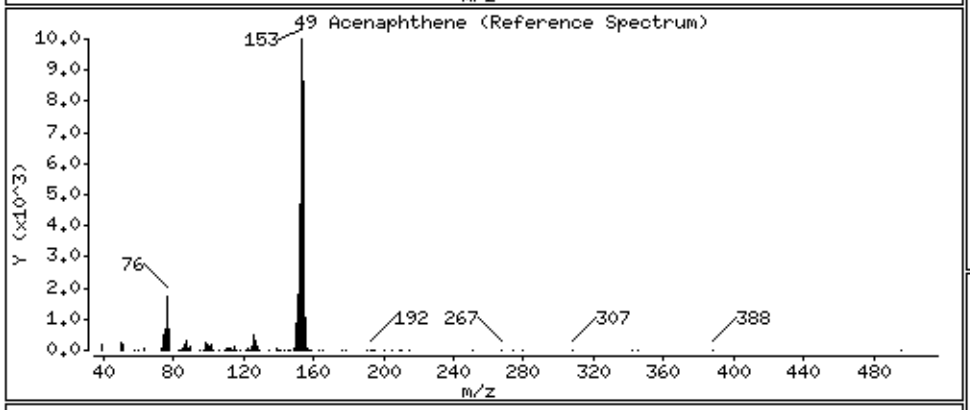
49 Acenaphthene Concentration: 160 ug/Kg

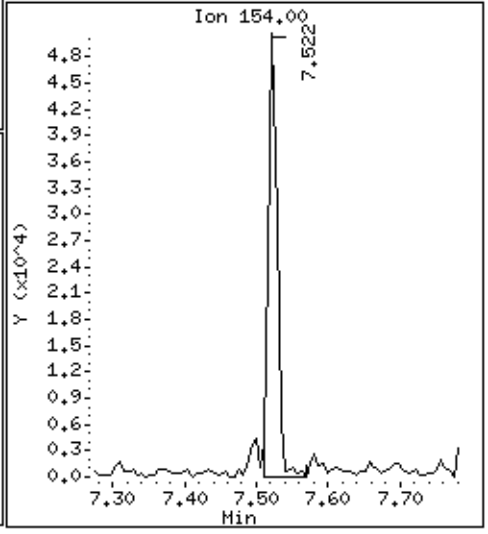


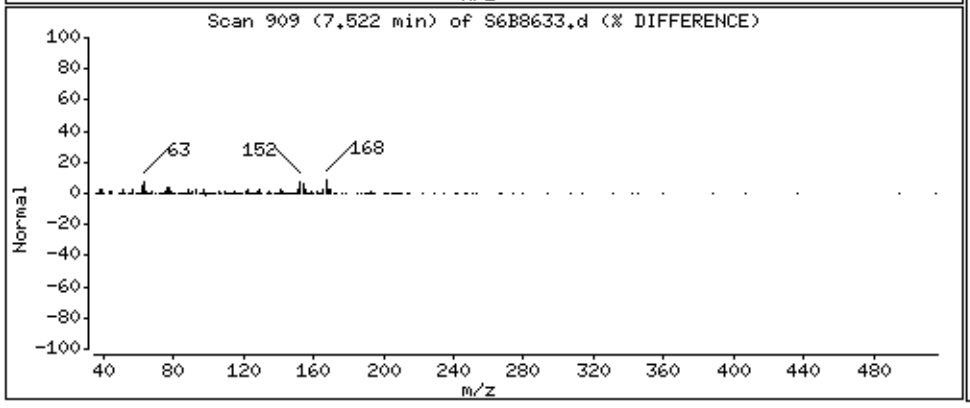












Data File: \\avogadro\organics\S6.I\140717.B\S6B8633.d

Date : 17-JUL-2014 17:23

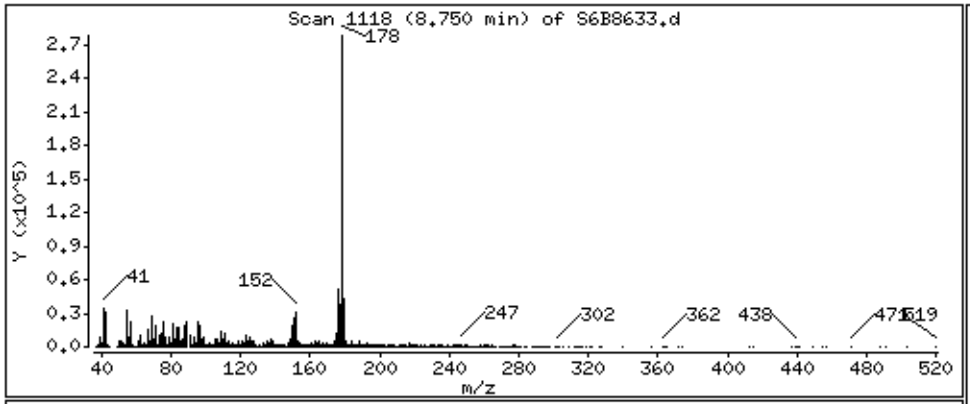
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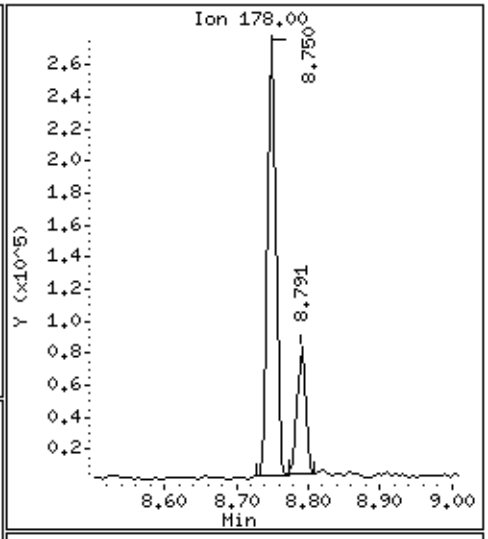
Sample Info: N1194-04A,,78074

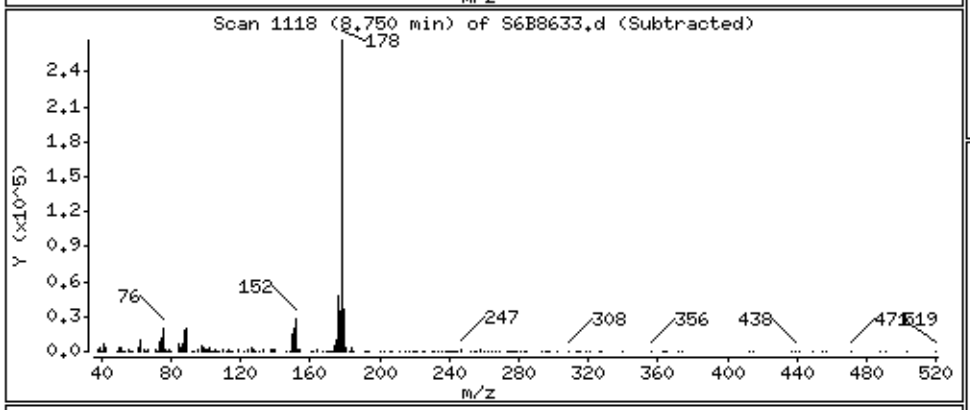
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

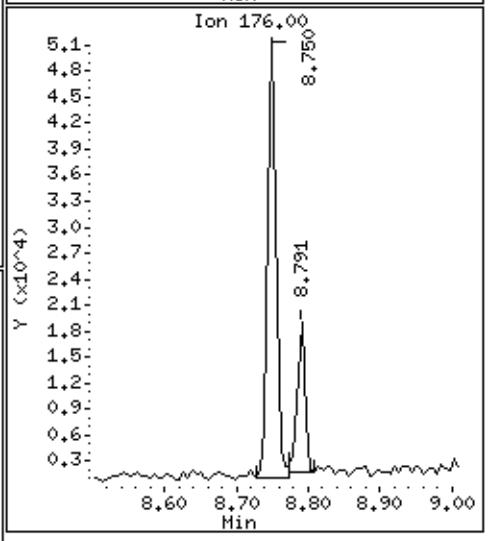
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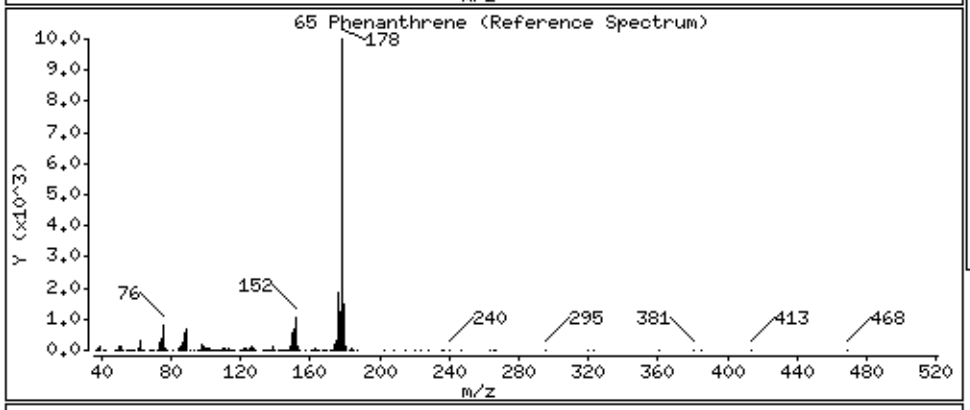
65 Phenanthrene Concentration: 460 ug/Kg

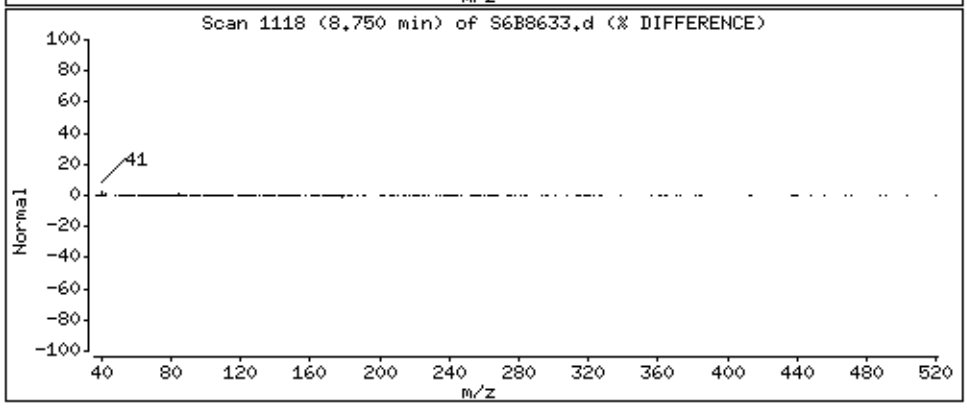












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Date : 17-JUL-2014 17:23

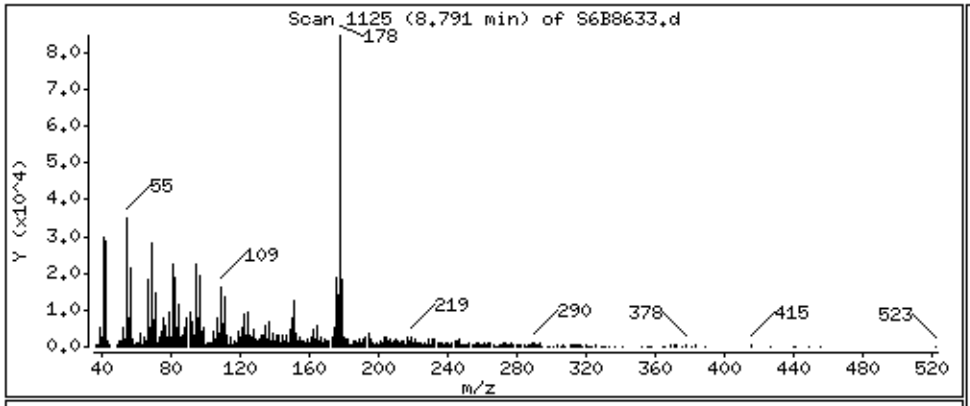
Client ID: SS-14-071014 Instrument: S6.i

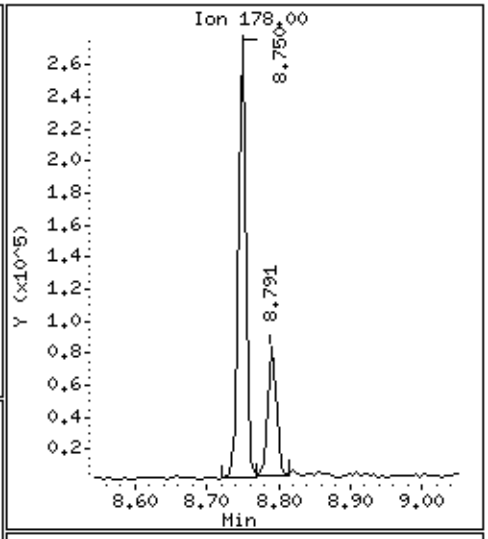
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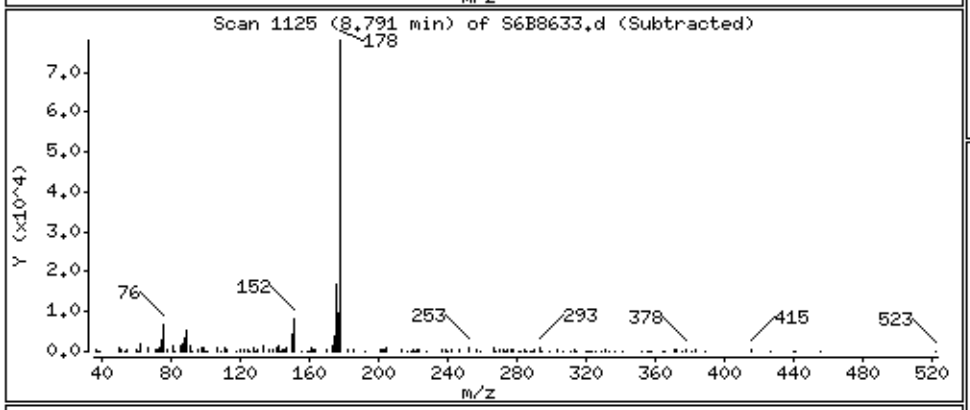
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

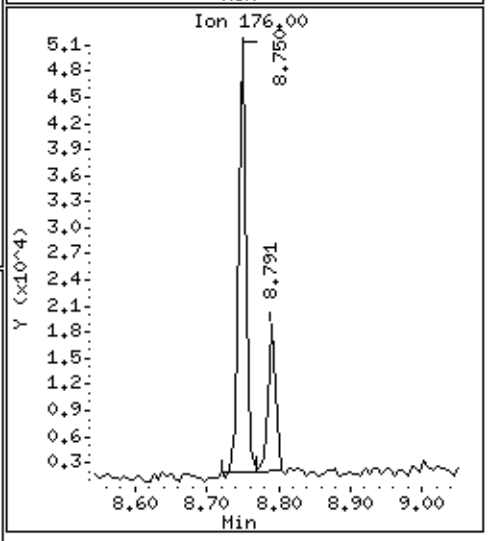
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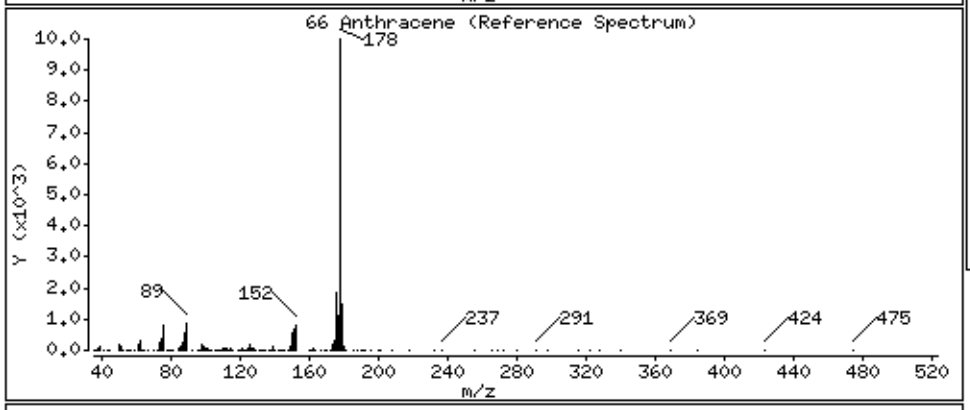
66 Anthracene Concentration: 140 ug/Kg

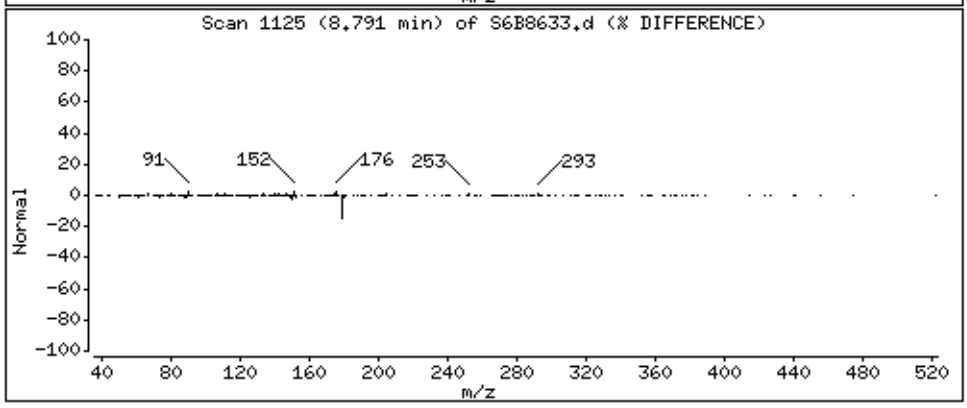












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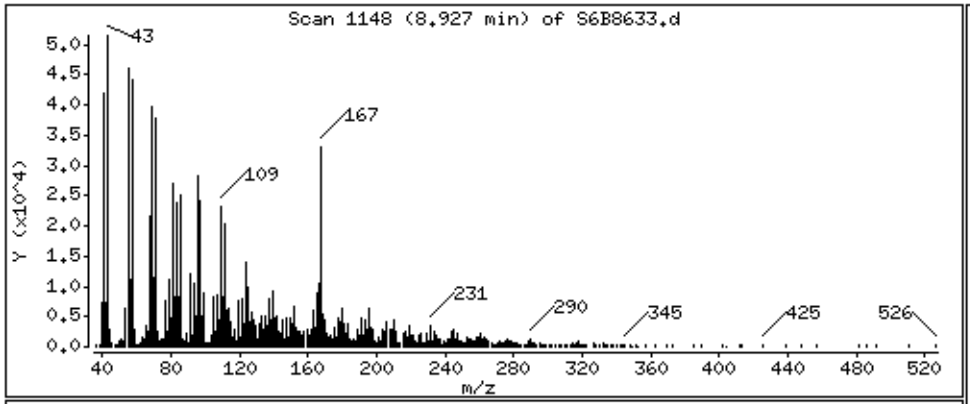
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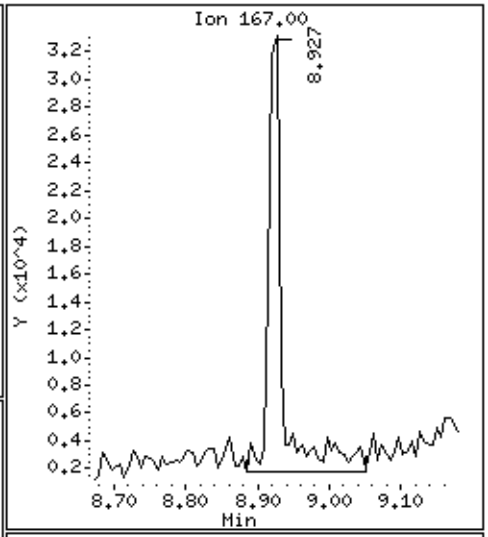
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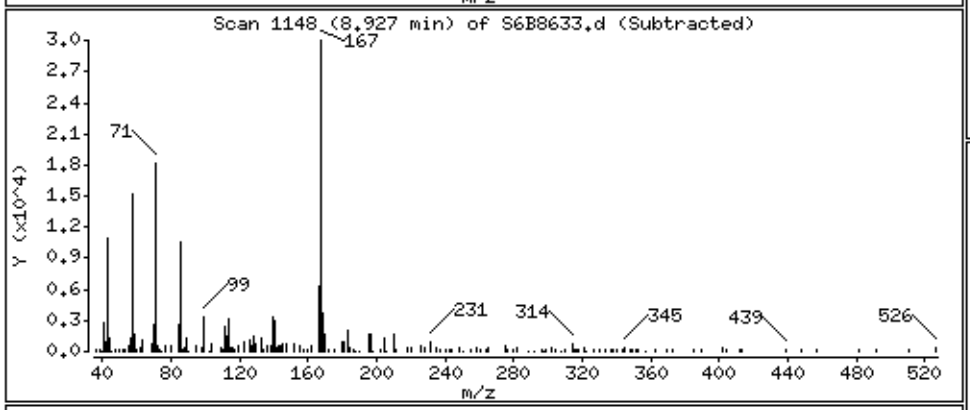
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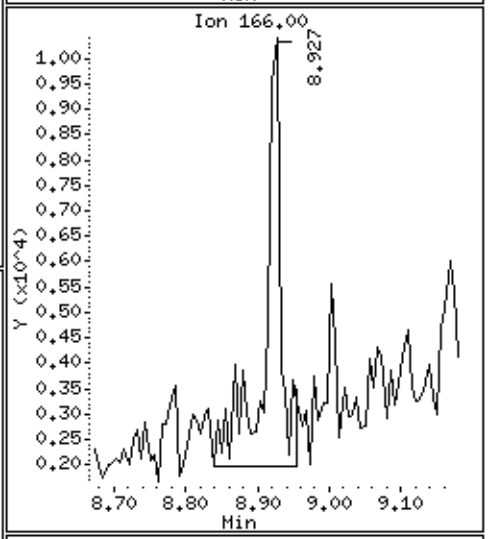
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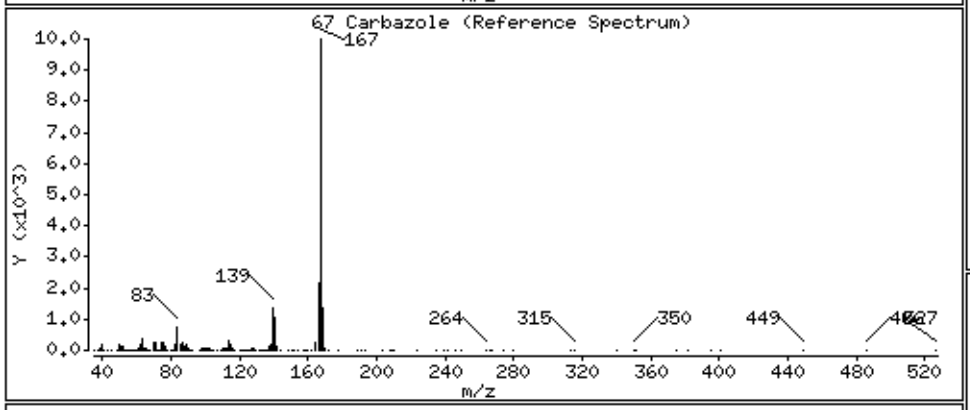
67 Carbazole Concentration: 97 ug/Kg

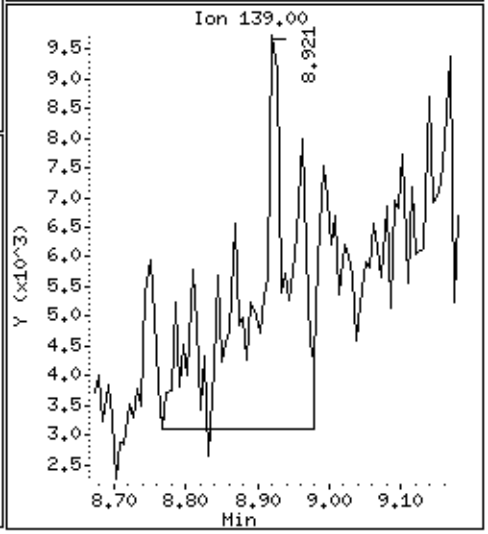


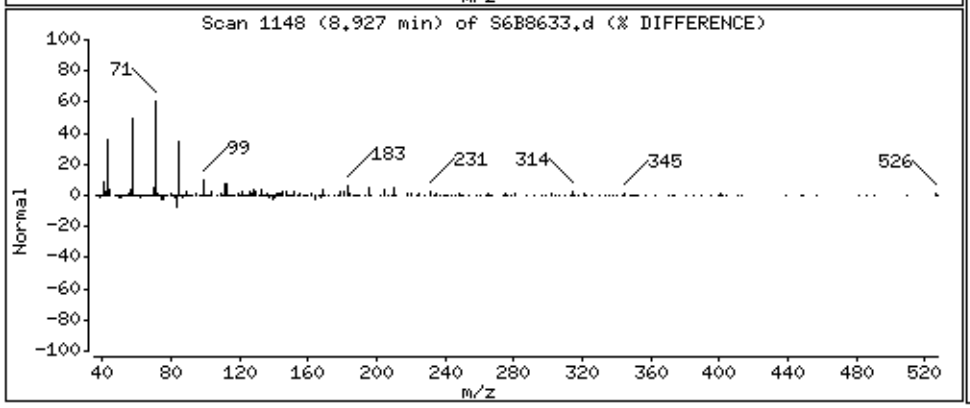












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Date : 17-JUL-2014 17:23

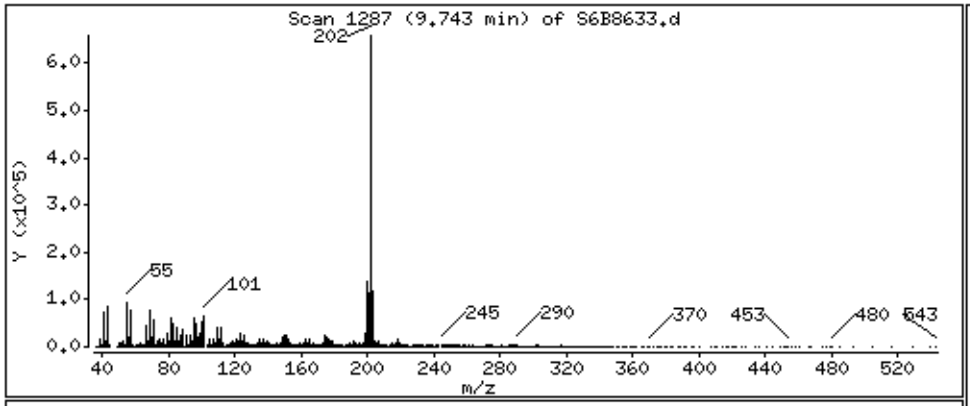
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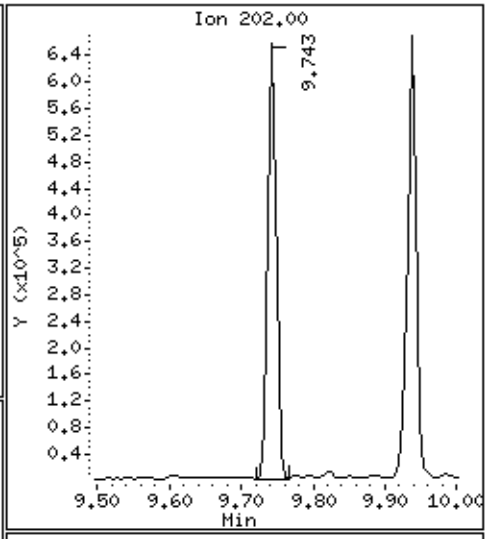
Sample Info: N1194-04A,,78074

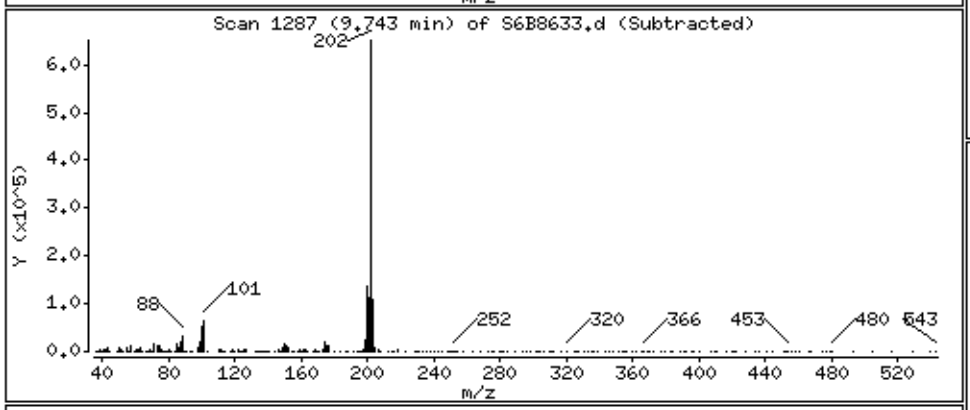
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

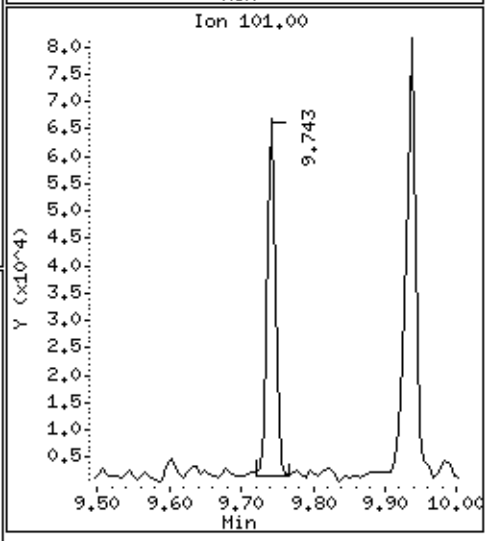
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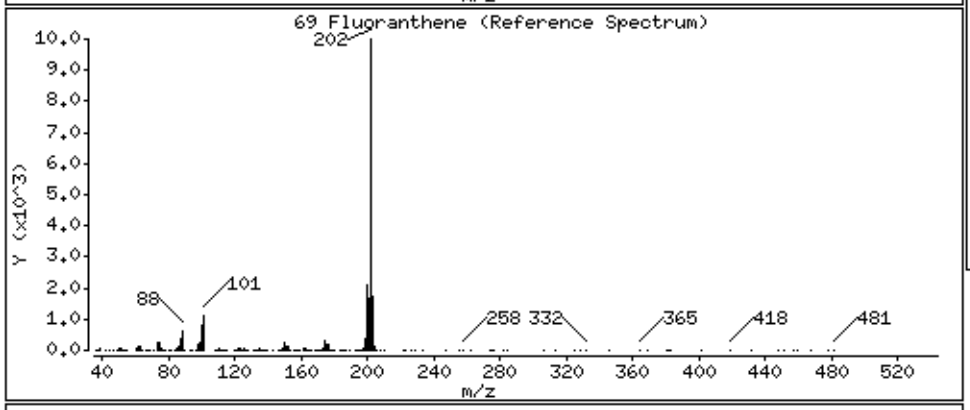
69 Fluoranthene Concentration: 970 ug/Kg

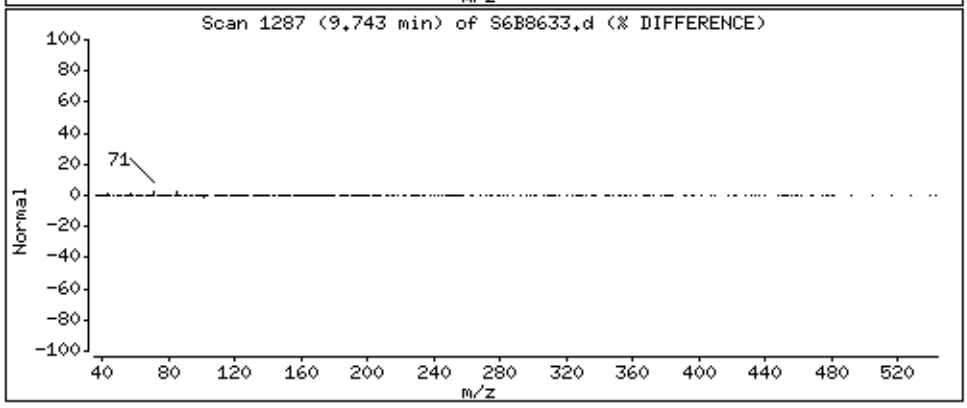












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Date : 17-JUL-2014 17:23

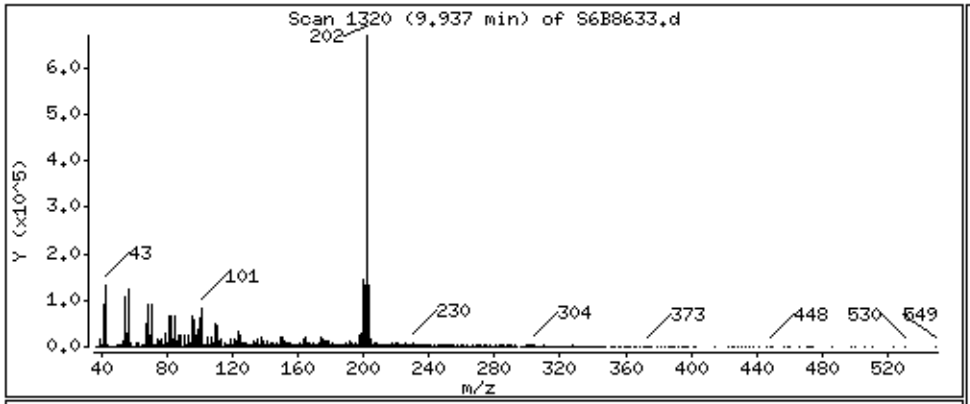
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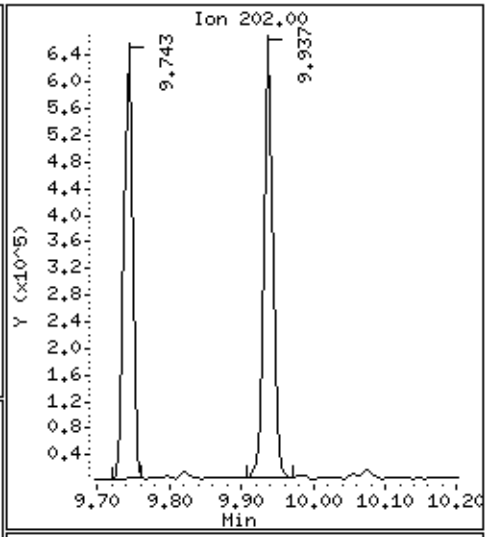
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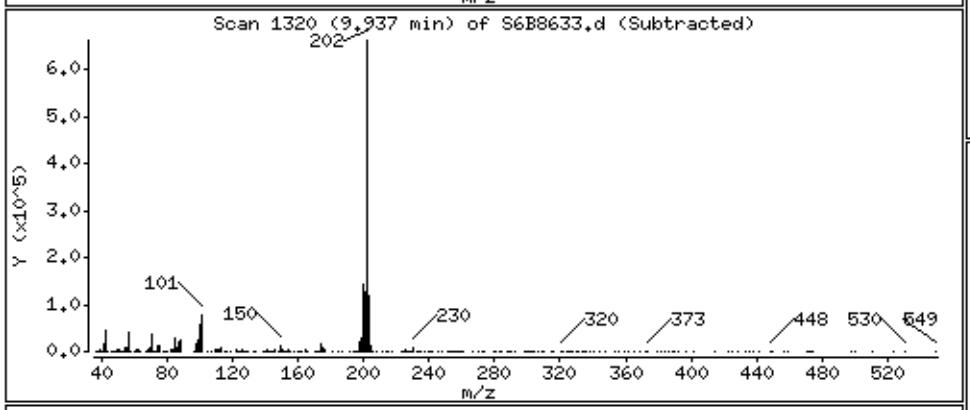
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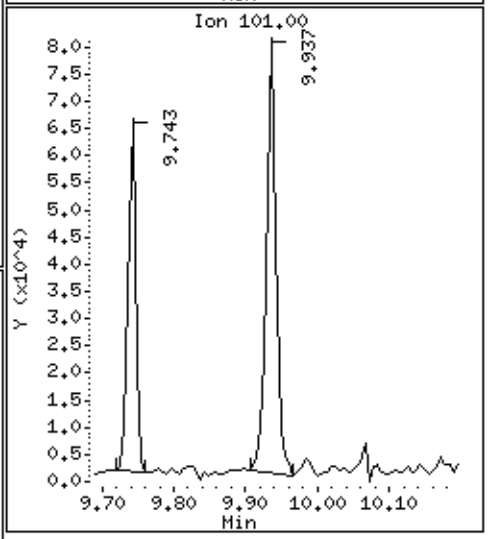
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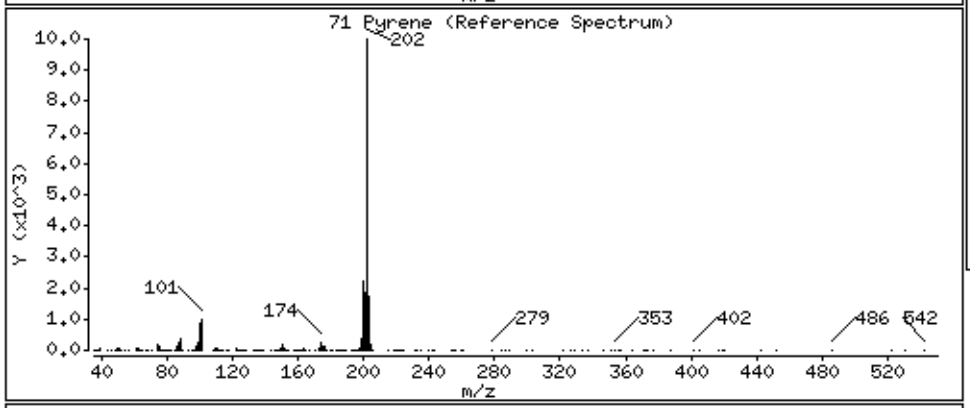
71 Pyrene Concentration: 970 ug/Kg

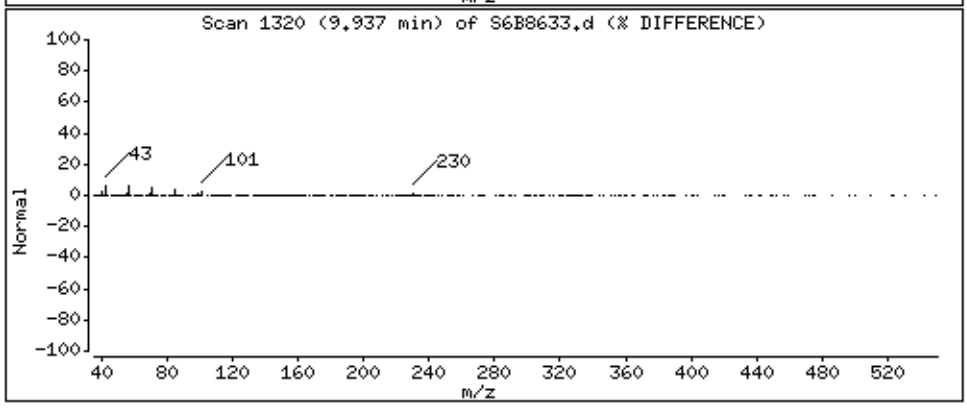












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Date : 17-JUL-2014 17:23

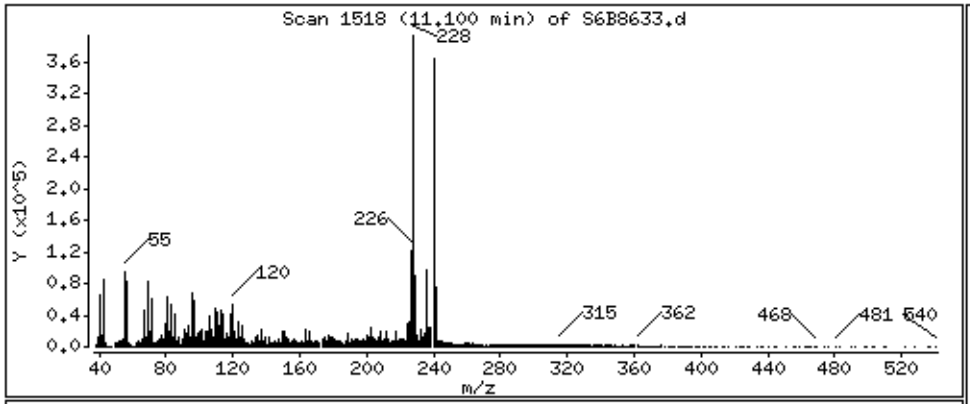
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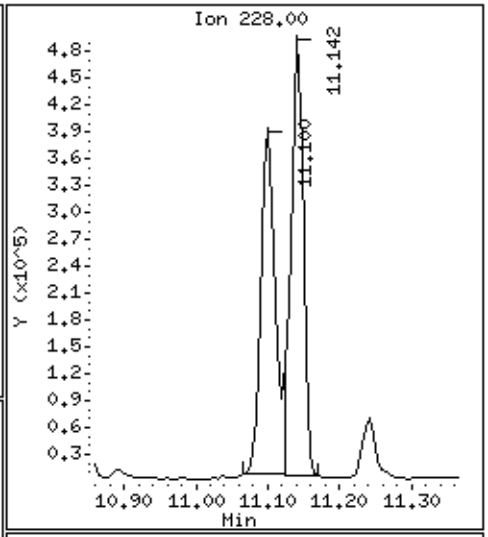
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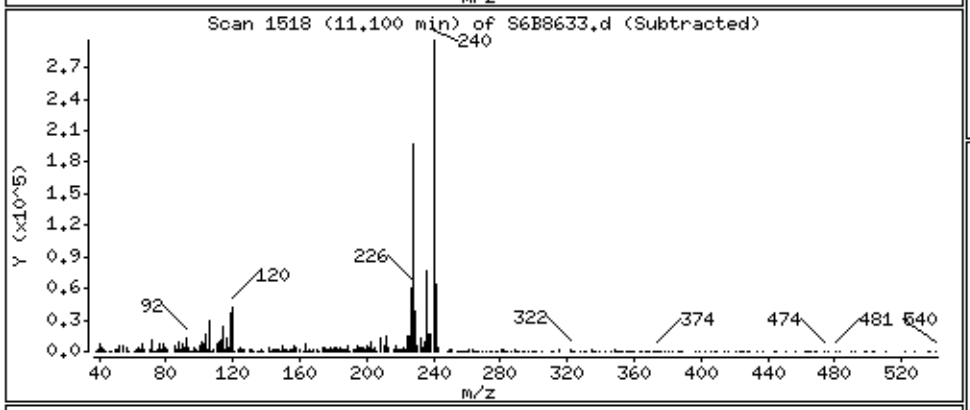
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

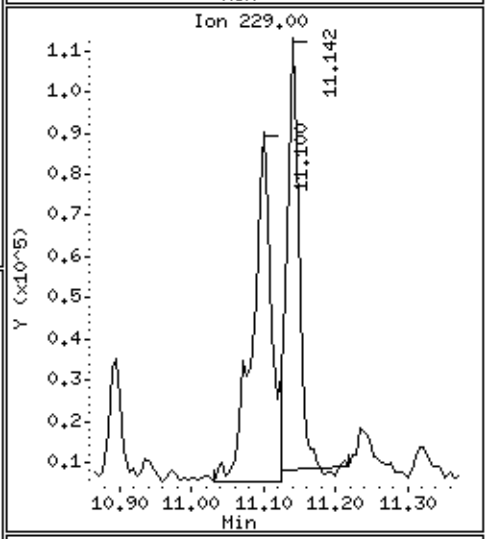
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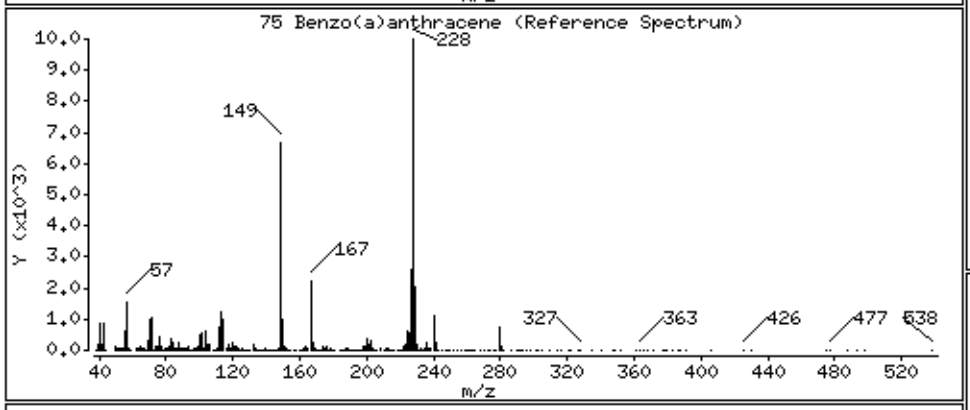
75 Benzo(a)anthracene Concentration: 1000 ug/Kg

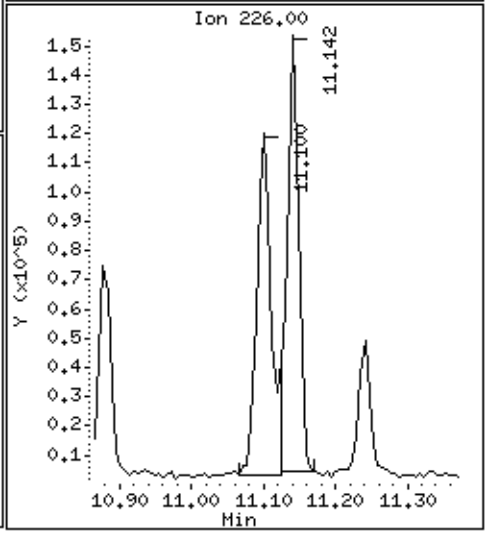


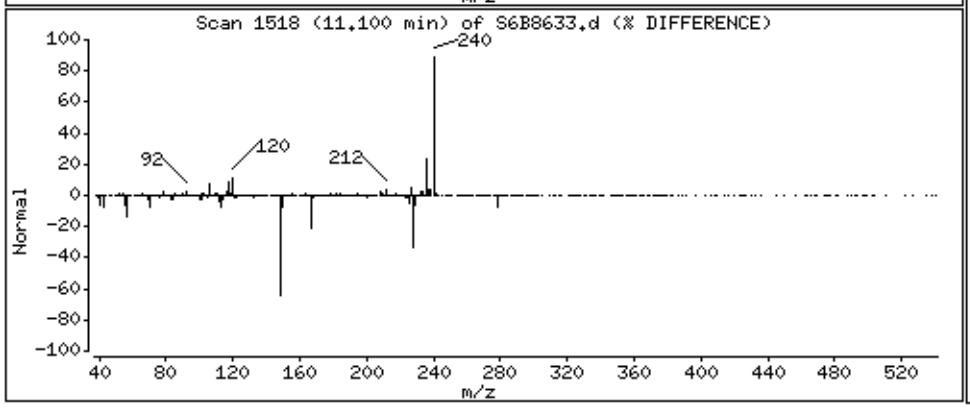












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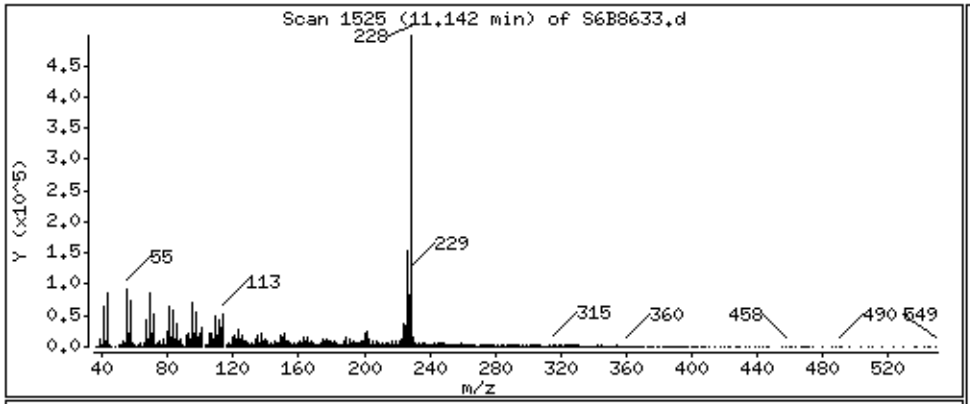
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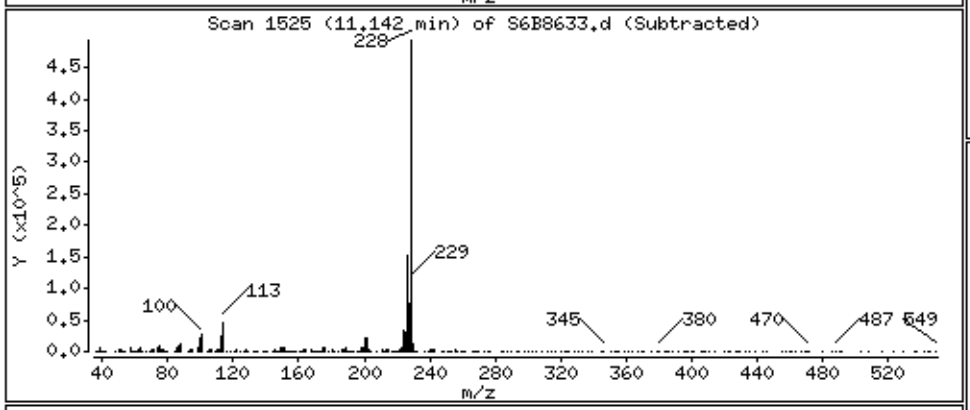
Sample Info: N1194-04A,,78074

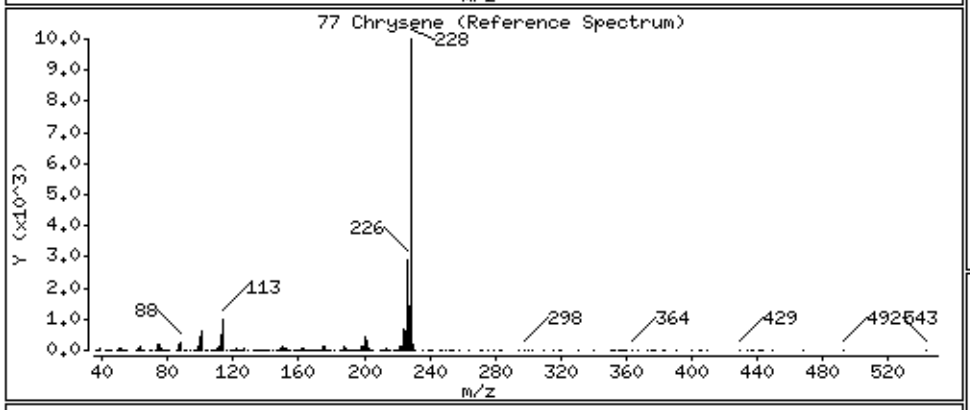
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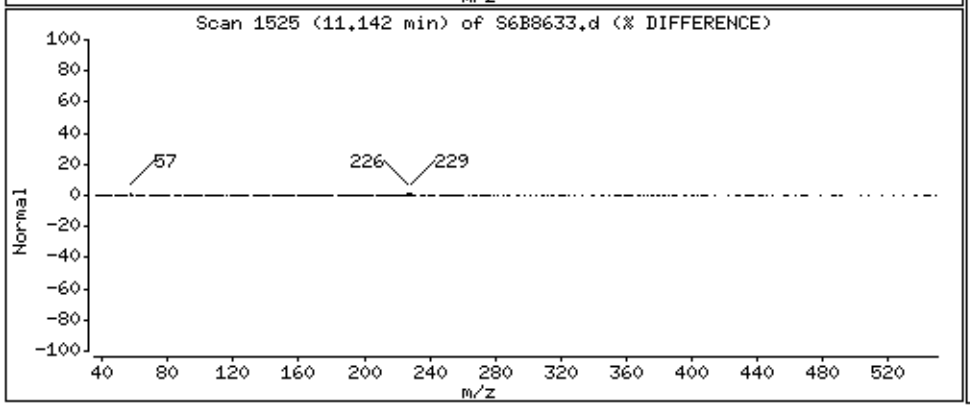
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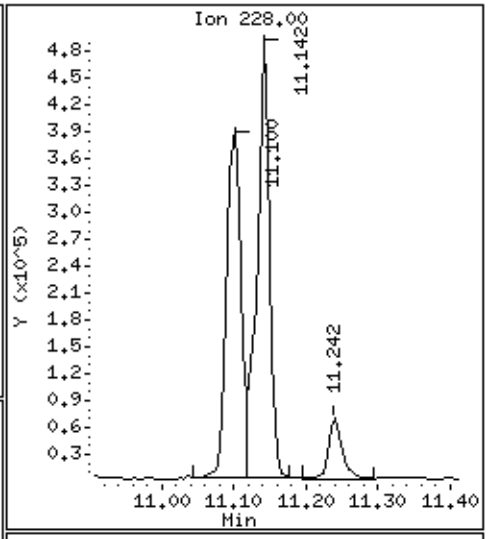
77 Chrysene Concentration: 1200 ug/Kg

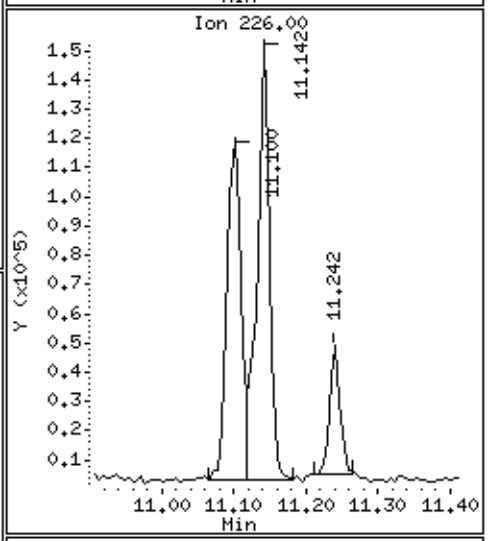


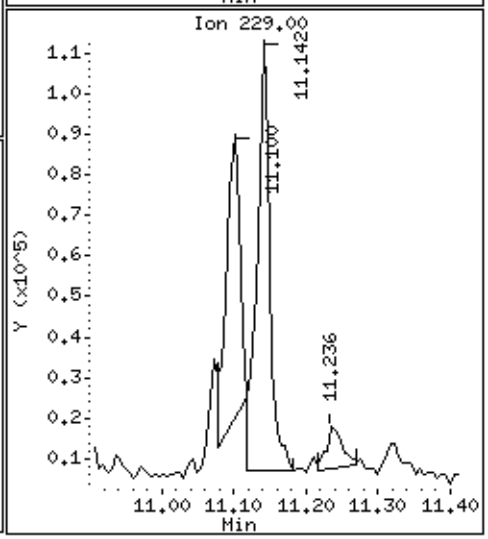












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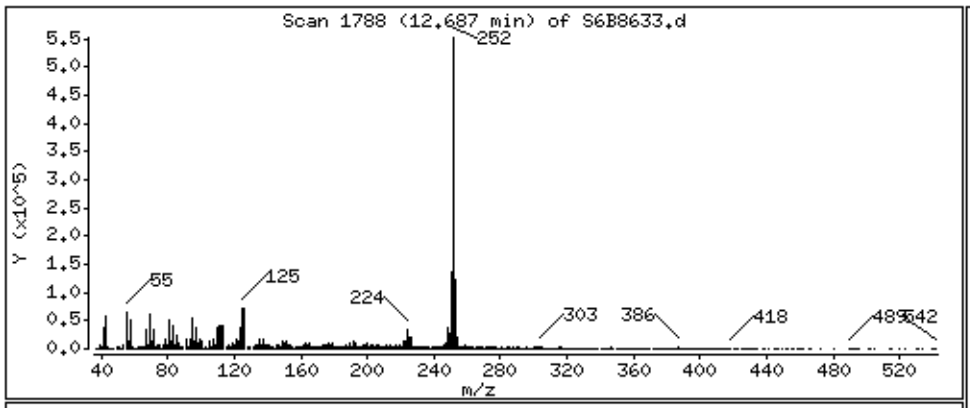
Client ID: SS-14-071014 Instrument: S6.i

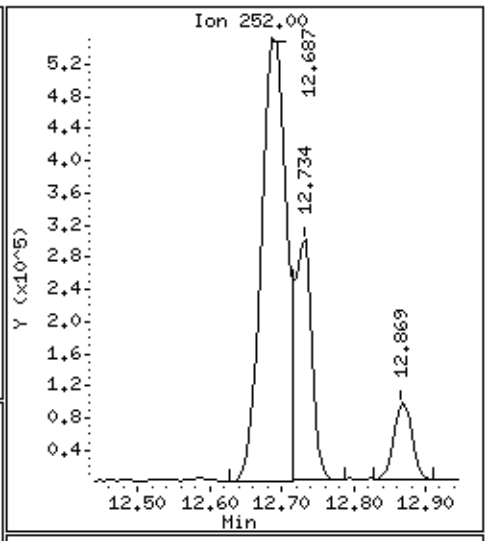
Sample Info: N1194-04A,,78074

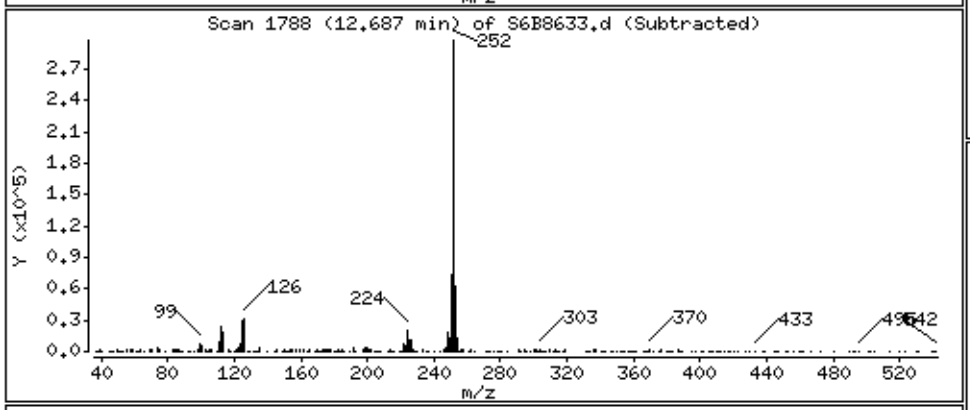
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

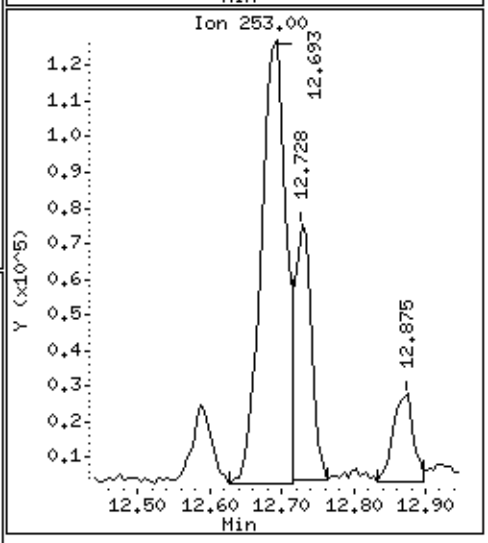
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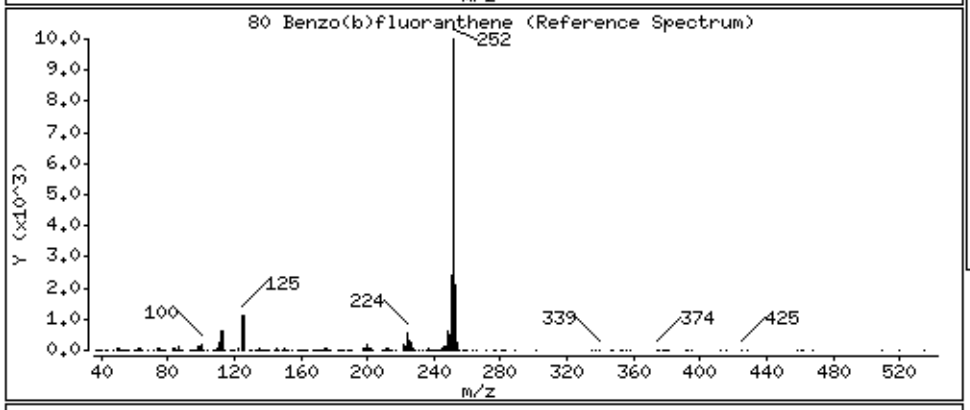
80 Benzo(b)fluoranthene Concentration: 2300 ug/Kg

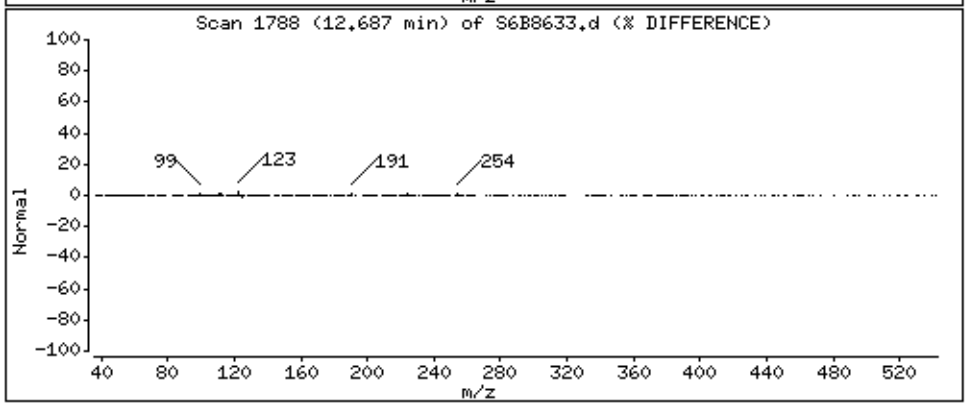












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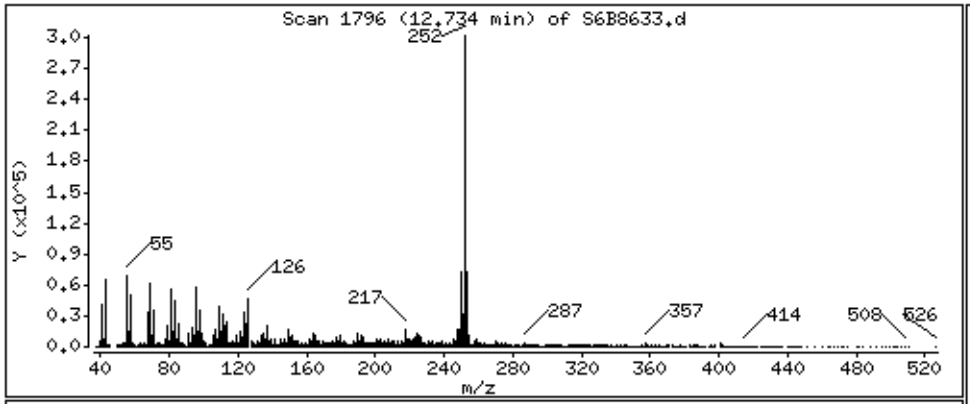
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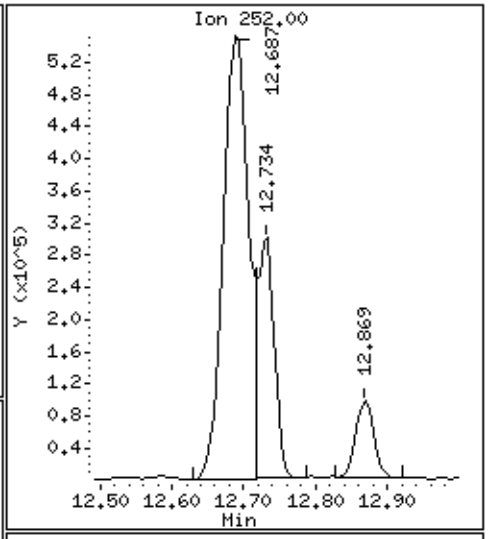
Sample Info: N1194-04A,,78074

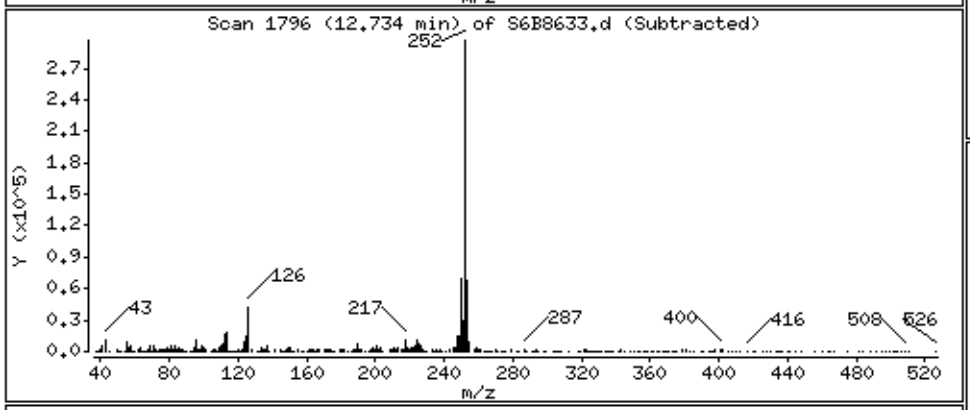
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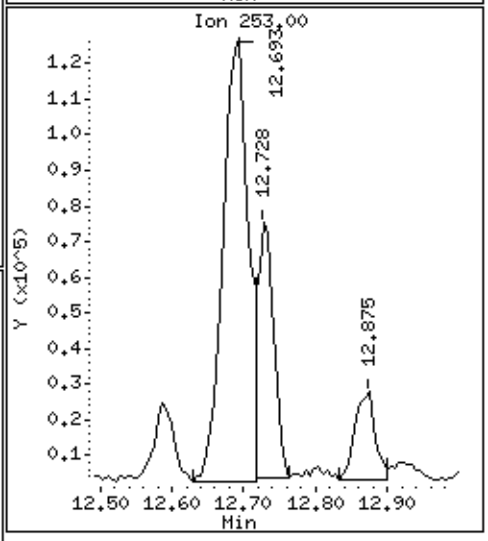
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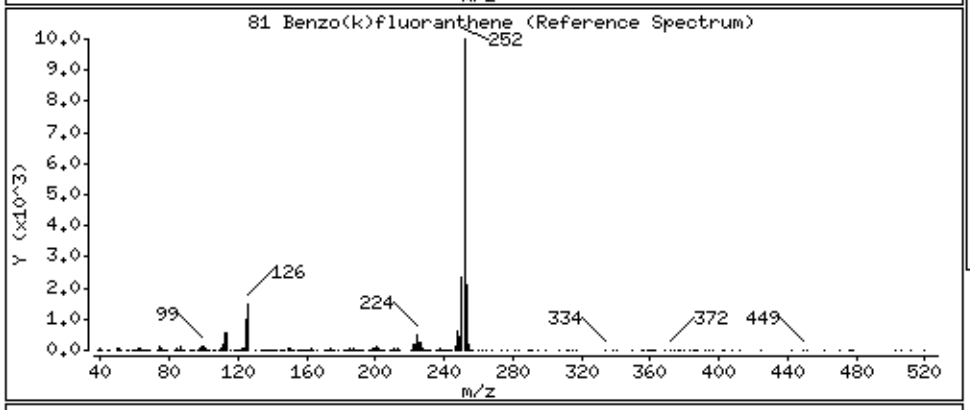
81 Benzo(k)fluoranthene Concentration: 870 ug/Kg

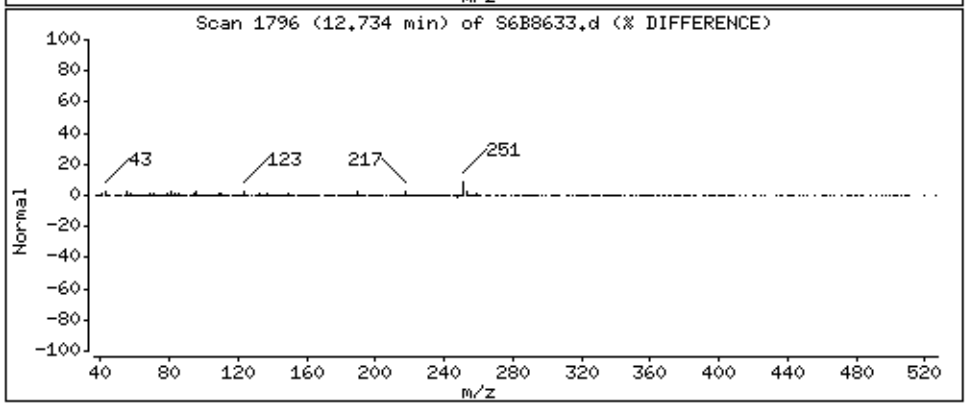












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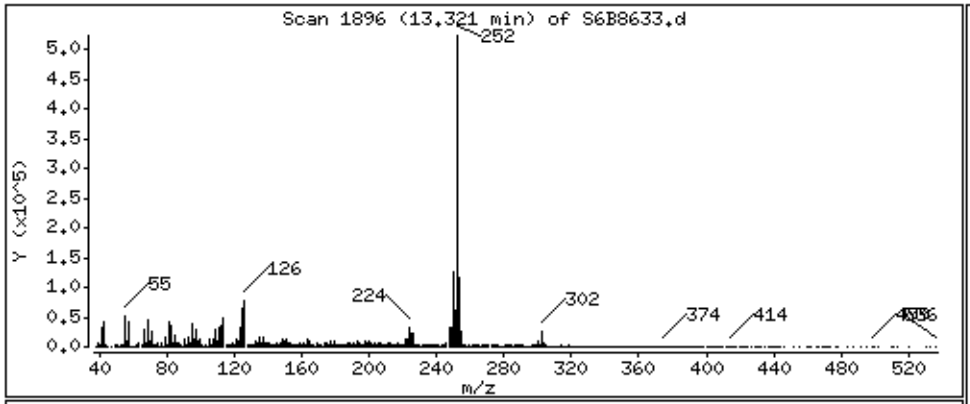
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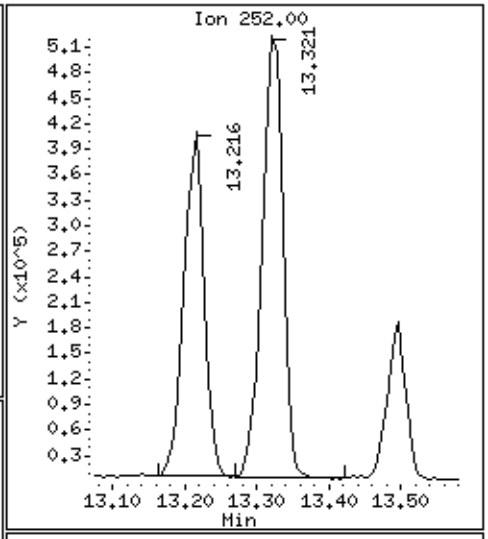
Sample Info: N1194-04A,,78074

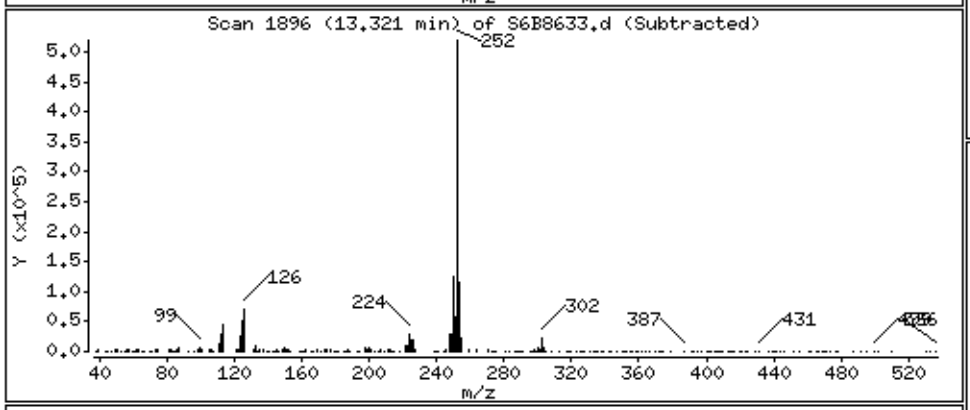
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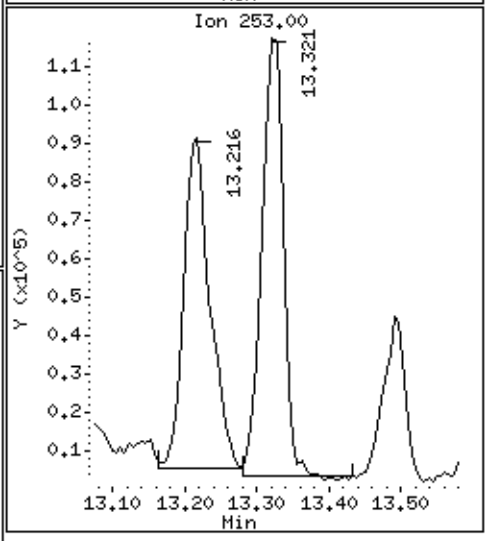
Column phase: Rxi-5Sil MS Column diameter: 0.25

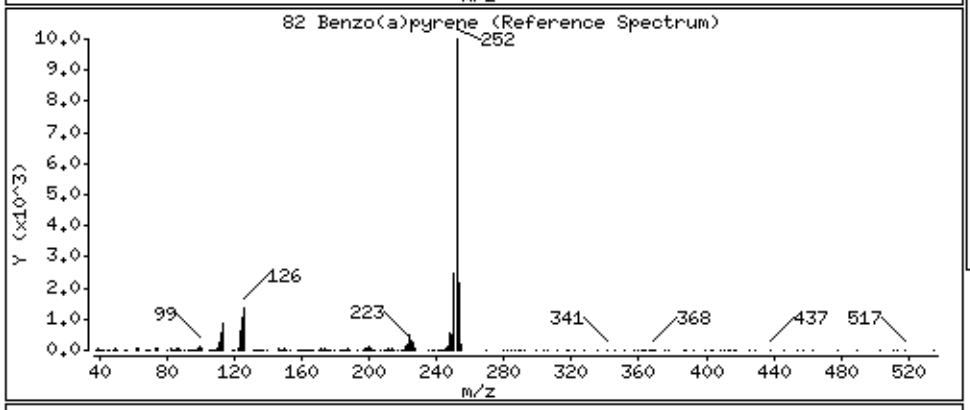
82 Benzo(a)pyrene Concentration: 1900 ug/Kg

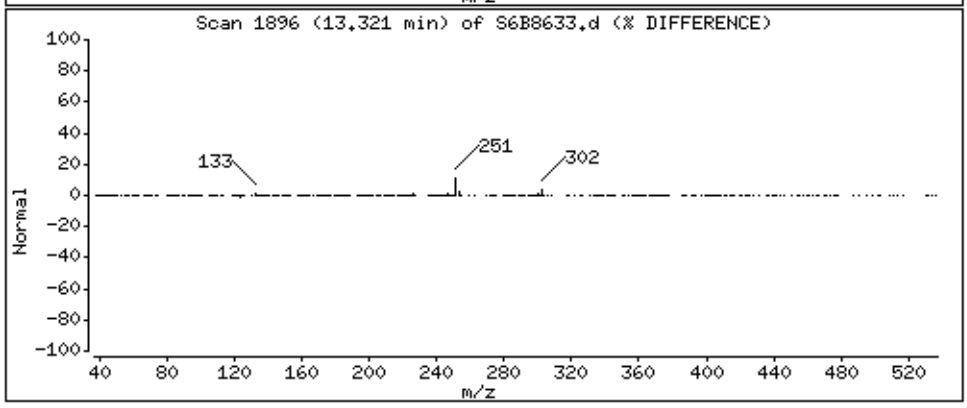












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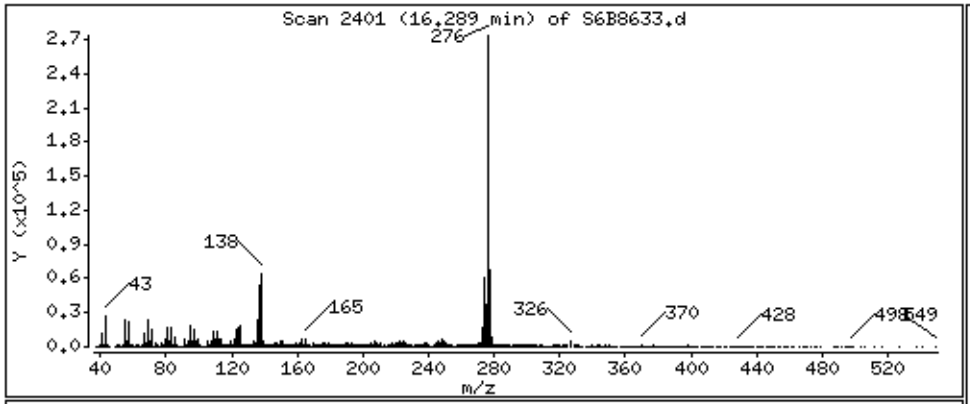
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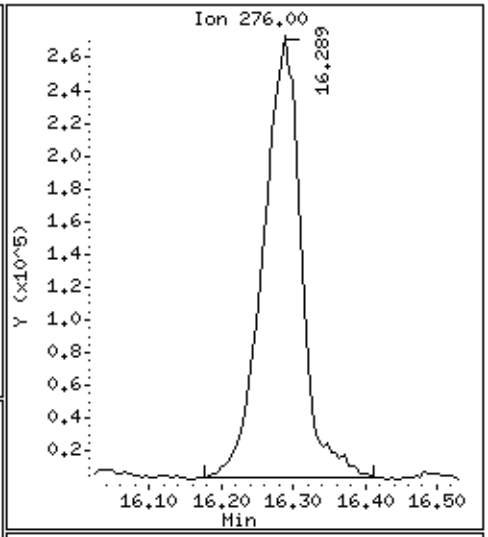
Sample Info: N1194-04A,,78074

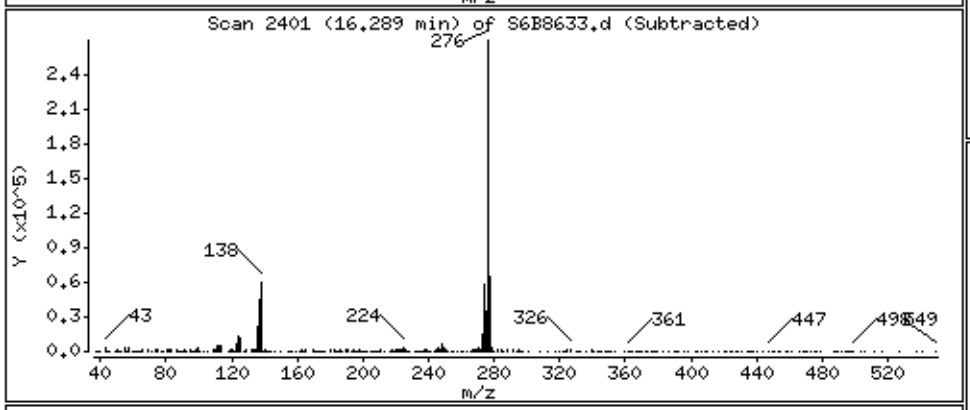
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

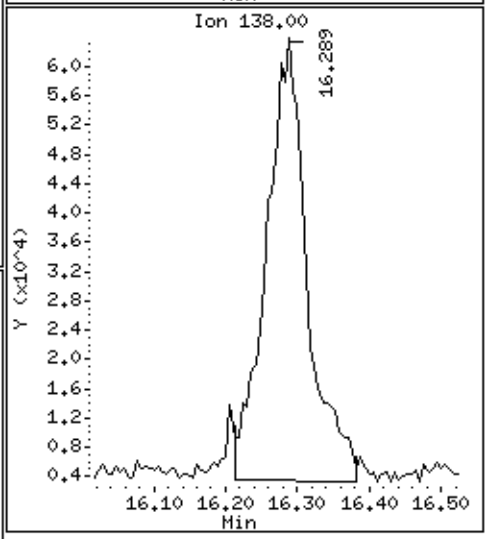
Column phase: Rxi-5Sil MS Column diameter: 0.25

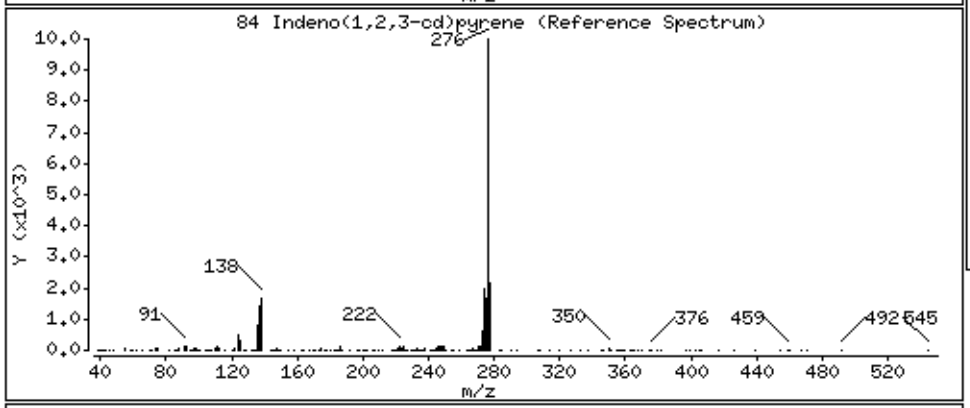
84 Indeno(1,2,3-cd)pyrene Concentration: 2100 ug/Kg

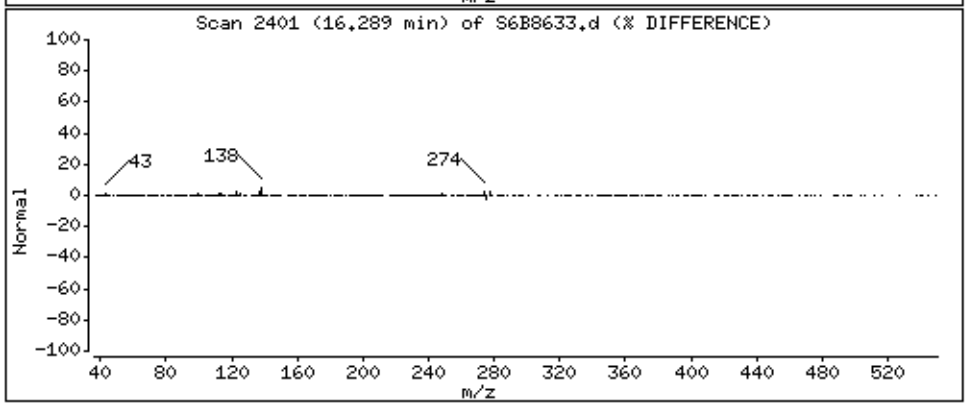












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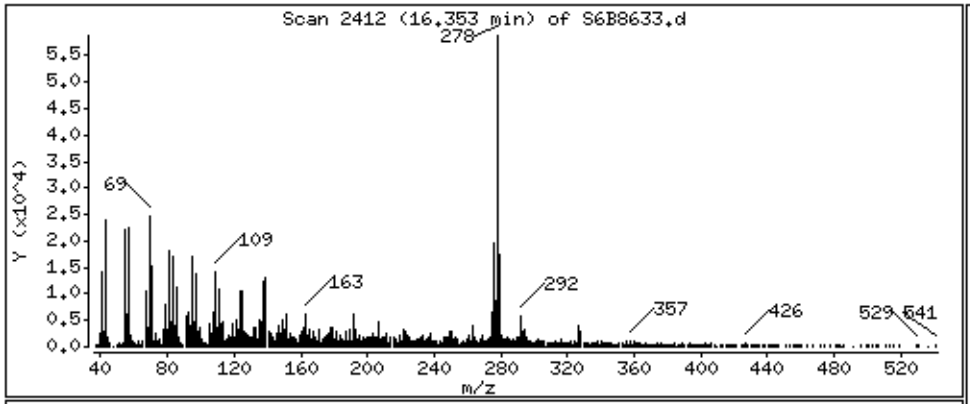
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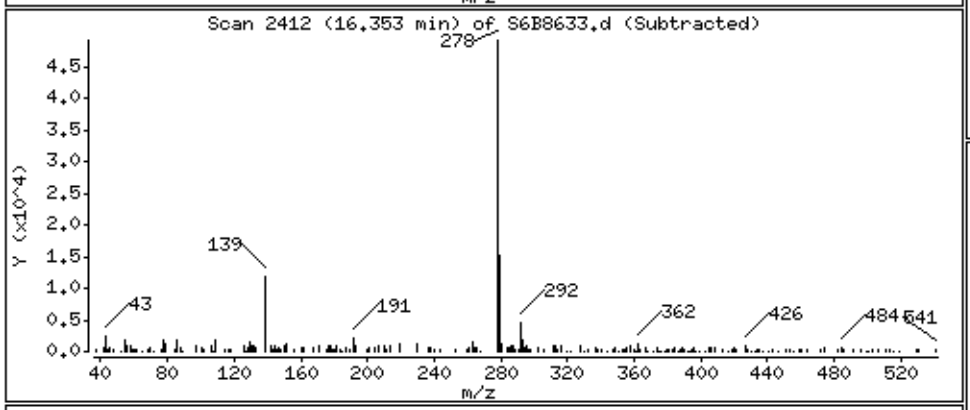
Sample Info: N1194-04A,,78074

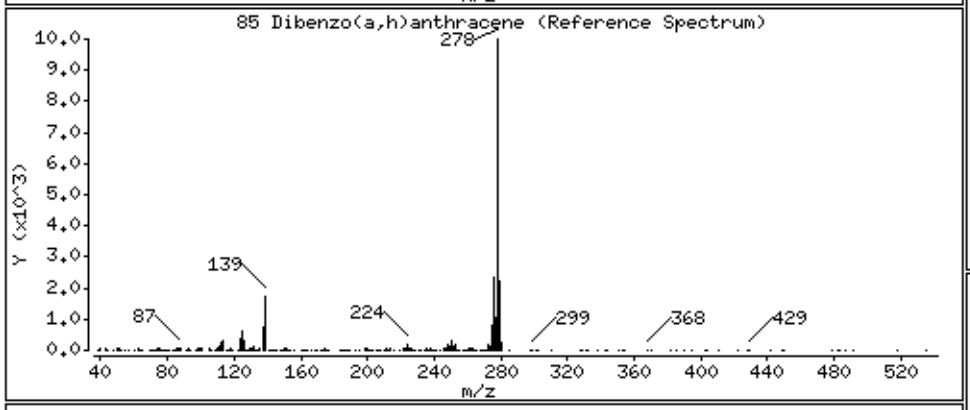
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

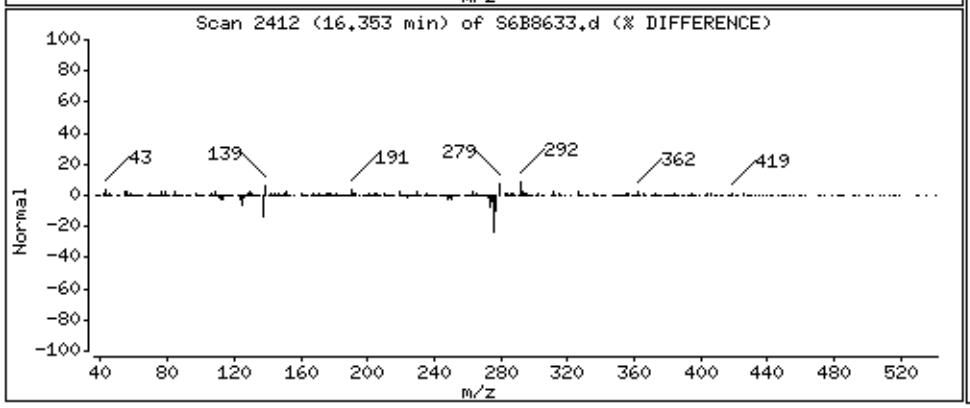
Column phase: Rxi-5Sil MS Column diameter: 0.25

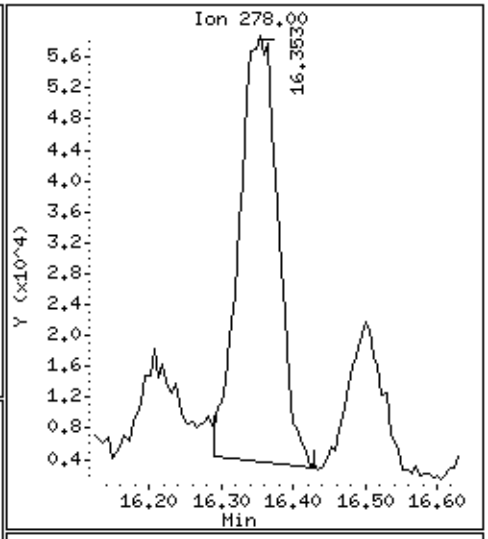
85 Dibenzo(a,h)anthracene Concentration: 440 ug/Kg

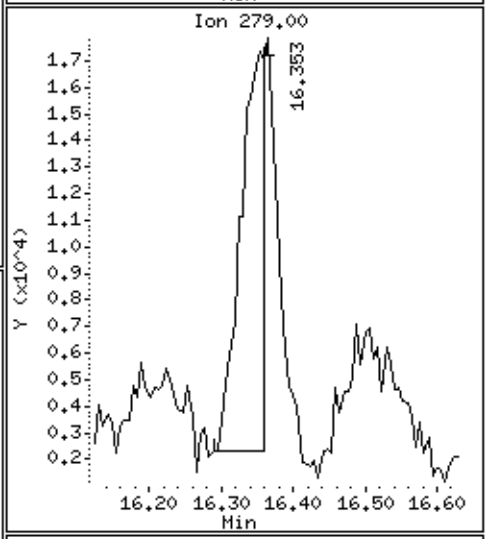


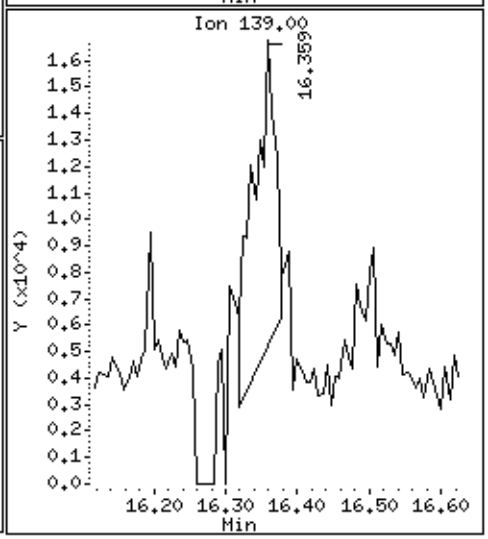












Data File: \\avogadro\organics\S6.I\140717.B\S6B8633.d

Date : 17-JUL-2014 17:23

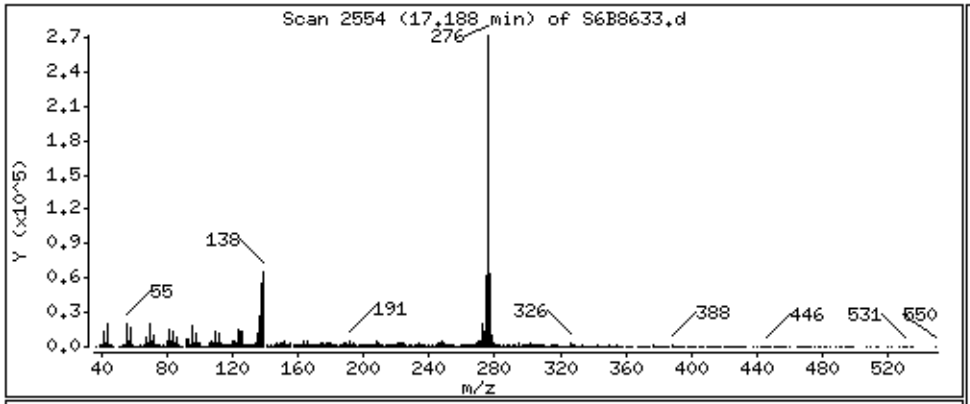
Client ID: SS-14-071014 Instrument: S6.i

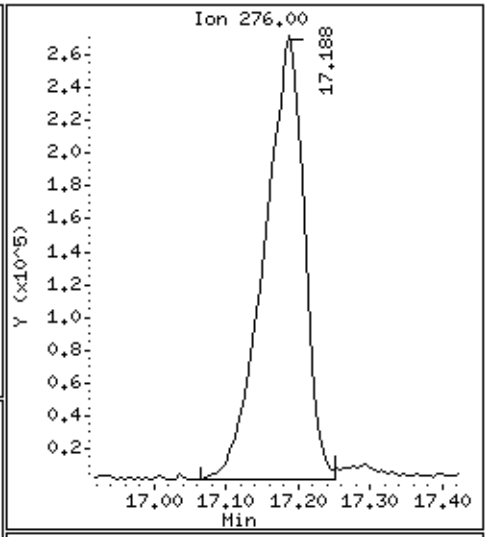
Sample Info: N1194-04A,,78074

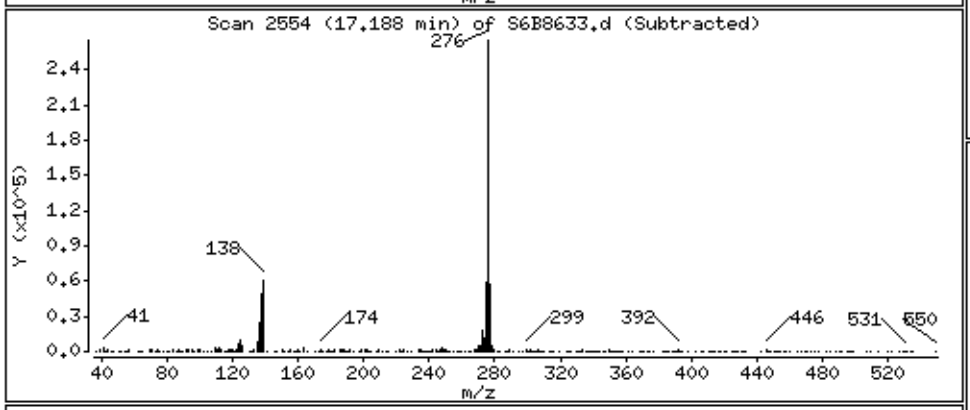
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

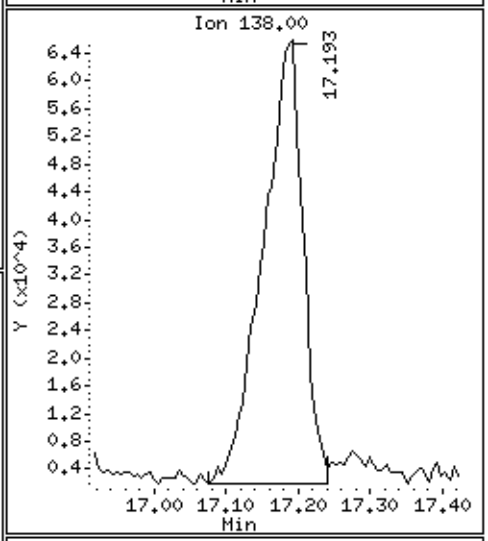
Column phase: Rxi-5Sil MS Column diameter: 0.25

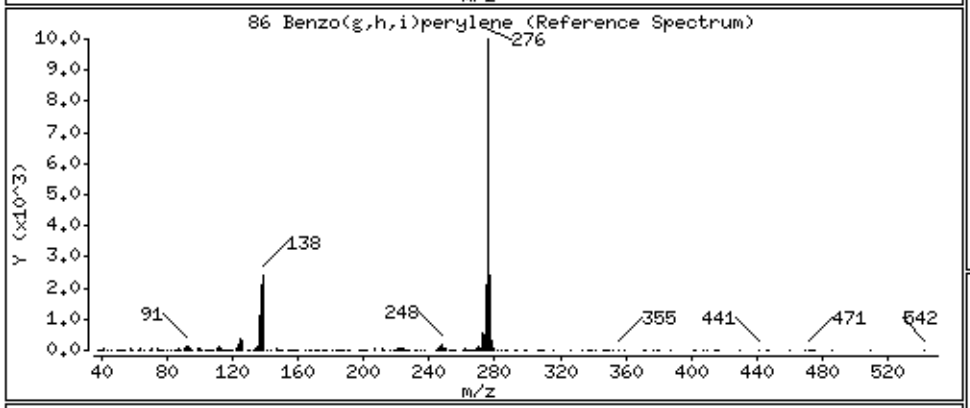
86 Benzo(g,h,i)perylene Concentration: 2100 ug/Kg

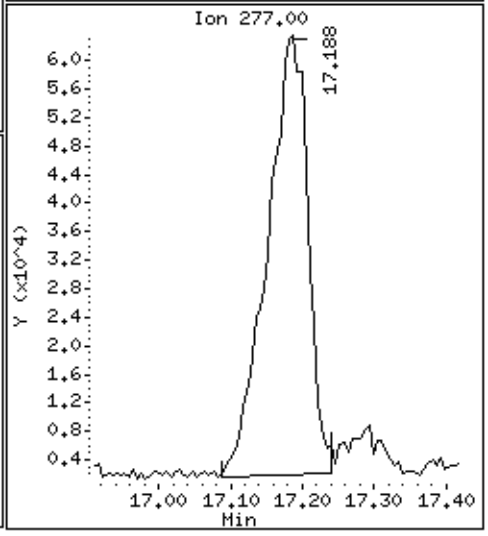


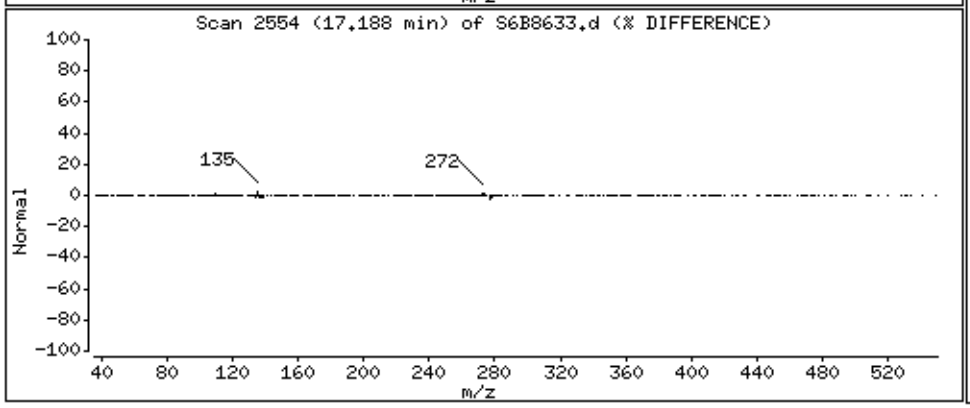








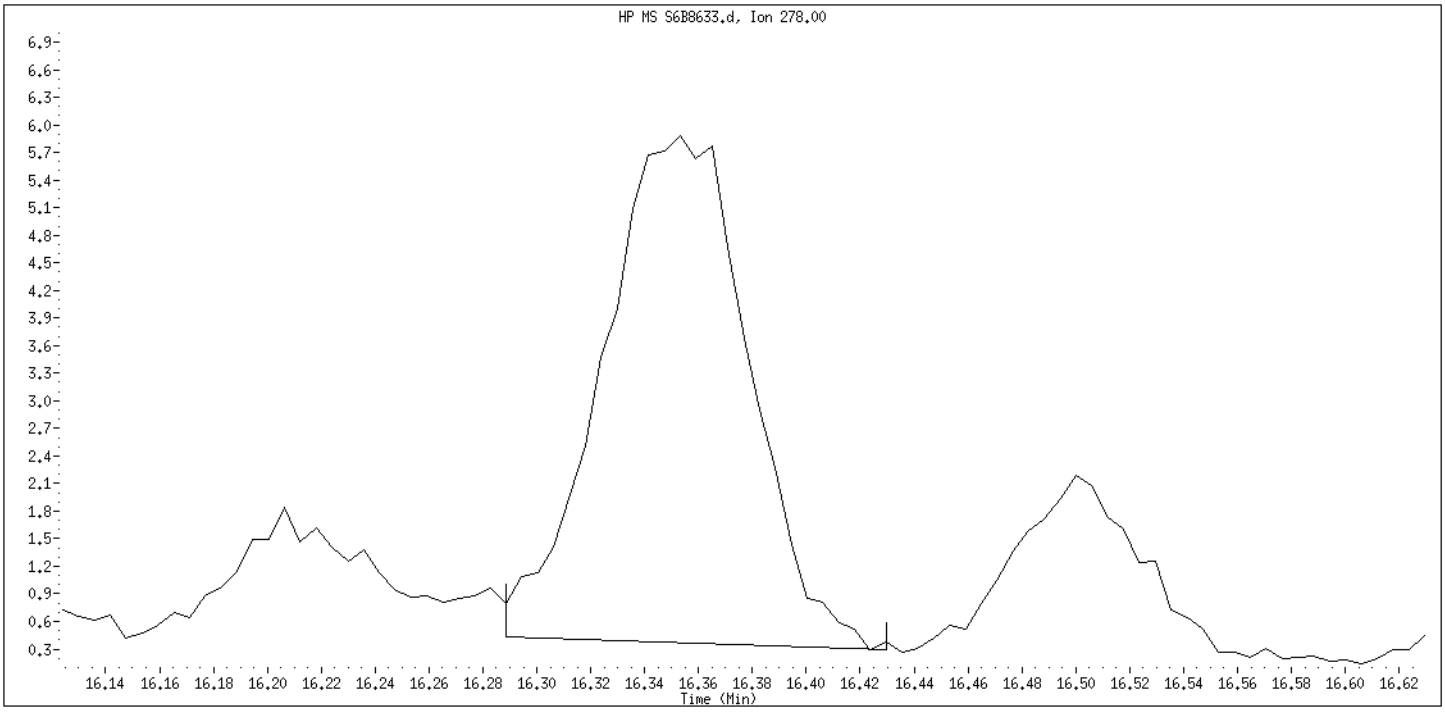




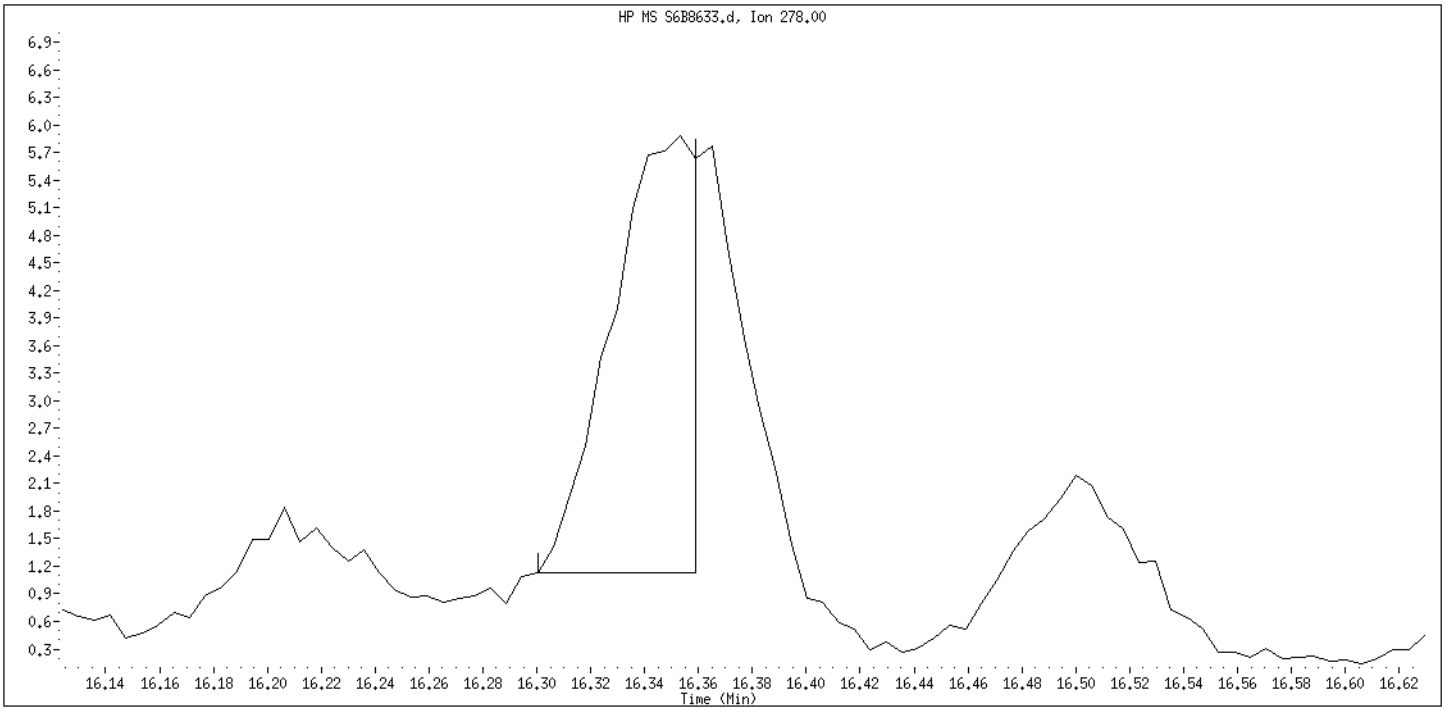
Manual Integration Report Data File: \\avogadro\organics\S6.I\140717.B\S6B8633.d

Lab ID: N1194-04A Client ID: SS-14-071014 Inj Vol: 1 uL
Inj Date: 17-JUL-2014 17:23 Operator: TM SRC: LIMS

Manual Integration Dibenzo(a,h)anthracene Ret Time: 16.353 min, Range: 16.289 to 16.430 min Response: 209470



Original Integration Dibenzo(a,h)anthracene Ret Time: 16.353 min, Range: 16.300 to 16.359 min Response: 105827



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-15-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-05A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8634.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	150	J
208-96-8	Acenaphthylene	220	J
83-32-9	Acenaphthene	230	J
86-73-7	Fluorene	110	J
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	1200	
120-12-7	Anthracene	460	
206-44-0	Fluoranthene	2900	
129-00-0	Pyrene	2400	
56-55-3	Benzo(a)anthracene	2100	
218-01-9	Chrysene	2400	
205-99-2	Benzo(b)fluoranthene	3500	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	2400	
193-39-5	Indeno(1,2,3-cd)pyrene	2300	
53-70-3	Dibenzo(a,h)anthracene	440	
191-24-2	Benzo(g,h,i)perylene	2100	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d
Report Date: 18-Jul-2014 15:42

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8634.d
Lab Smp Id: N1194-05A Client Smp ID: SS-15-071014
Inj Date : 17-JUL-2014 17:46
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-05A,,78074
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.300	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.844	3.832	(0.775)	325276	35.6442	2300
$	5 Phenol-d5	99	4.660	4.655	(0.940)	414211	35.5545	2300
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	275504	40.0000	
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	400804	43.3869	2800
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	896268	40.0000	
	32 Naphthalene	128	6.053	6.053	(1.003)	41112	1.82038	120(a)
	36 2-Methylnaphthalene	142	6.629	6.629	(1.098)	21690	1.38806	91(a)
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	851030	43.3453	2800
	46 Acenaphthylene	152	7.381	7.381	(0.984)	73899	2.79267	180(a)
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	561040	40.0000	
	49 Acenaphthene	153	7.522	7.528	(1.003)	48584	2.84767	190(a)
	52 Dibenzofuran	168	7.663	7.669	(1.022)	26019	1.11474	73(a)
	55 Fluorene	166	7.951	7.951	(1.060)	27609	1.37311	90(a)
$	60 2,4,6-Tribromophenol	330	8.150	8.156	(0.933)	99037	40.5944	2600
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1059719	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.002)	424888	14.8482	970
	66 Anthracene	178	8.791	8.797	(1.007)	168667	5.78507	380(a)
	67 Carbazole	167	8.920	8.926	(1.022)	68416	2.61116	170(a)
	69 Fluoranthene	202	9.743	9.749	(1.116)	1193266	36.4362	2400

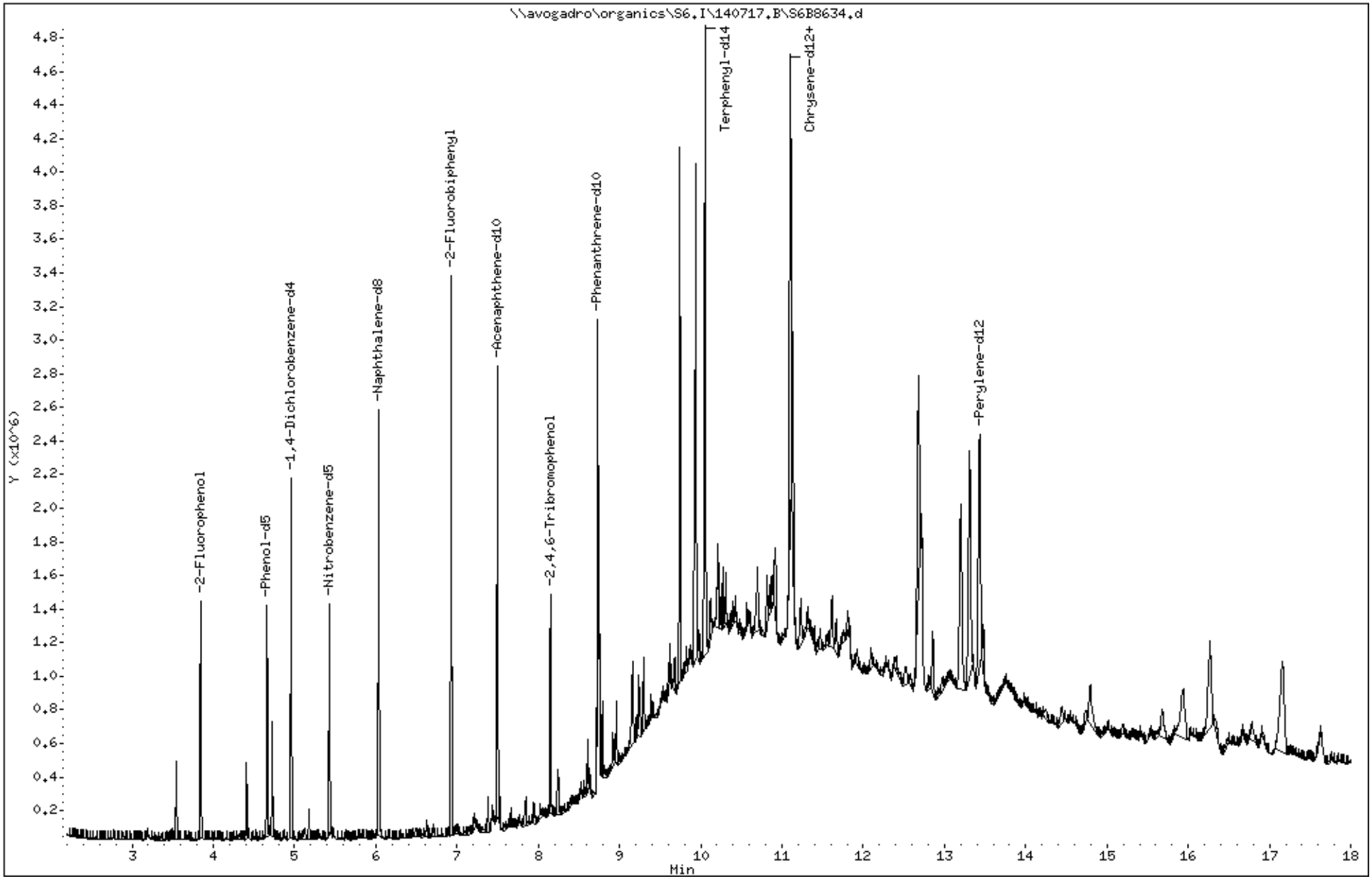
Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d
Report Date: 18-Jul-2014 15:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)	
	71 Pyrene	202	9.937	9.949	(0.895)	1106267	29.5659	1900	
$	72 Terphenyl-d14	244	10.048	10.060	(0.905)	1019682	41.9578	2700	
	75 Benzo(a)anthracene	228	11.094	11.112	(0.999)	913077	26.3234	1700	
*	76 Chrysene-d12	240	11.106	11.130	(1.000)	1214870	40.0000		
	77 Chrysene	228	11.135	11.159	(1.003)	941886	29.5858	1900	
	80 Benzo(b)fluoranthene	252	12.681	12.692	(0.944)	1620521	43.4748	2800	
	81 Benzo(k)fluoranthene	252	12.722	12.745	(0.947)	674031	17.8095	1200	
	82 Benzo(a)pyrene	252	13.309	13.327	(0.991)	1060714	29.8261	1900	
*	83 Perylene-d12	264	13.433	13.450	(1.000)	1267851	40.0000		
	84 Indeno(1,2,3-cd)pyrene	276	16.265	16.277	(1.211)	888920	28.6469	1900	
	85 Dibenzo(a,h)anthracene	278	16.329	16.376	(1.216)	165226	5.47279	360(aM)M6 TM 07/18	
	86 Benzo(g,h,i)perylene	276	17.158	17.170	(1.277)	853235	26.6263	1700	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d
Date : 17-JUL-2014 17:46
Client ID: SS-15-071014
Instrument: S6.i
Sample Info: N1194-05A,,78074
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d

Date : 17-JUL-2014 17:46

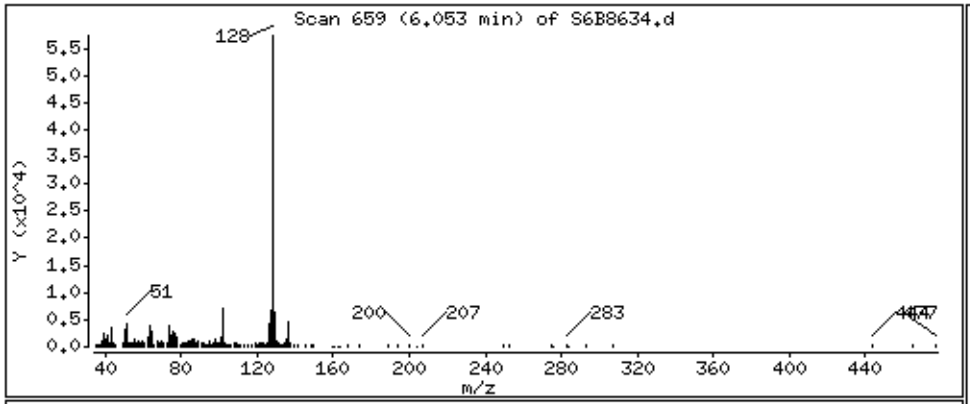
Client ID: SS-15-071014 Instrument: S6.i

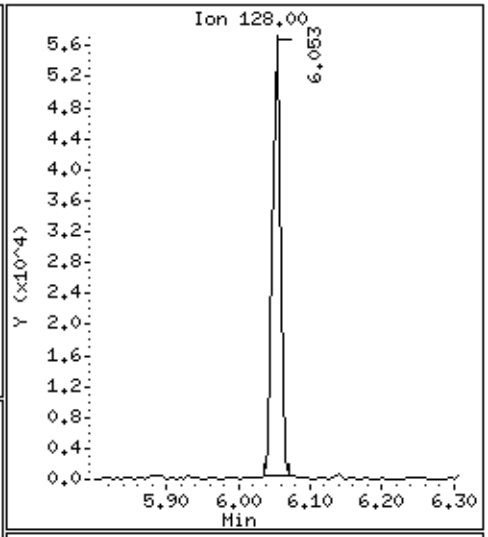
Sample Info: N1194-05A,,78074

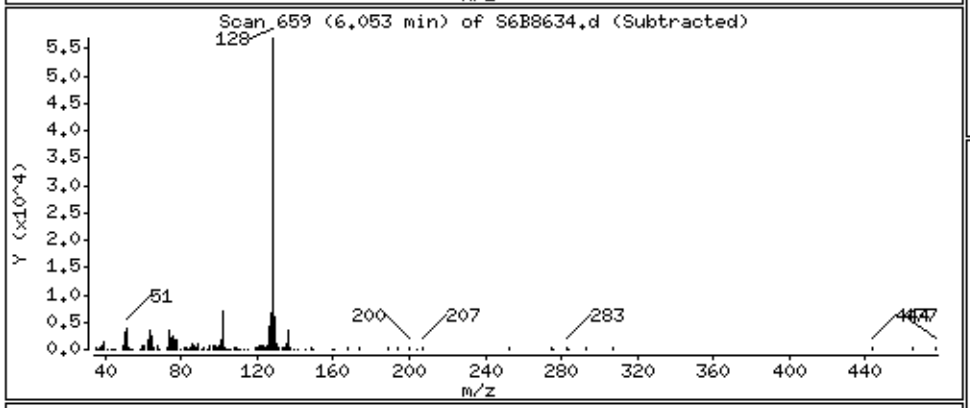
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

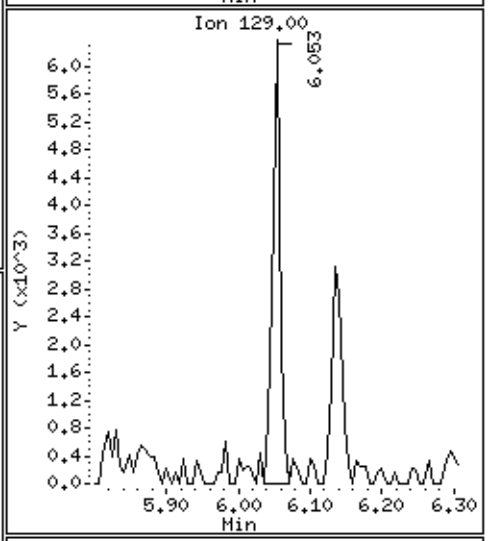
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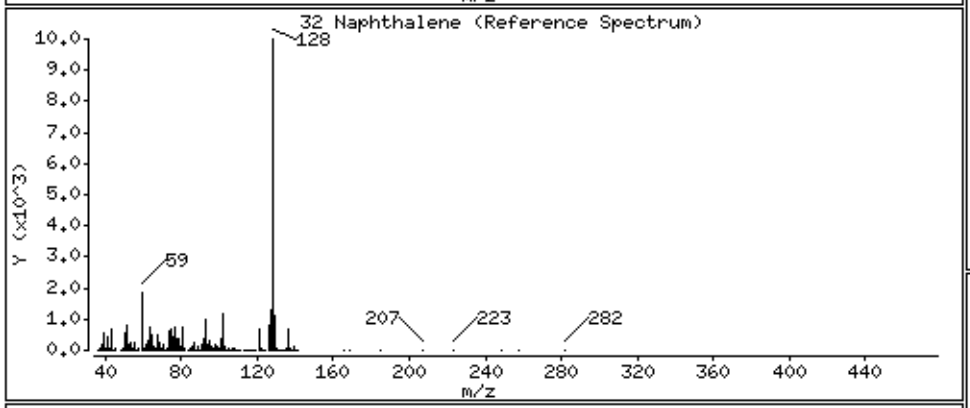
32 Naphthalene Concentration: 120 ug/Kg

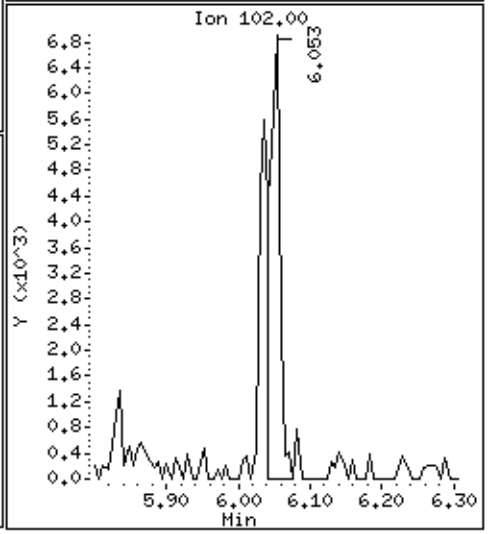


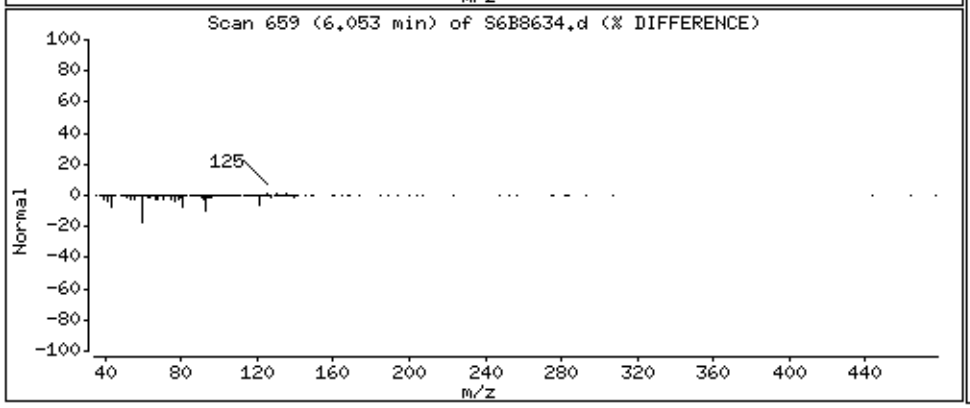












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Date : 17-JUL-2014 17:46

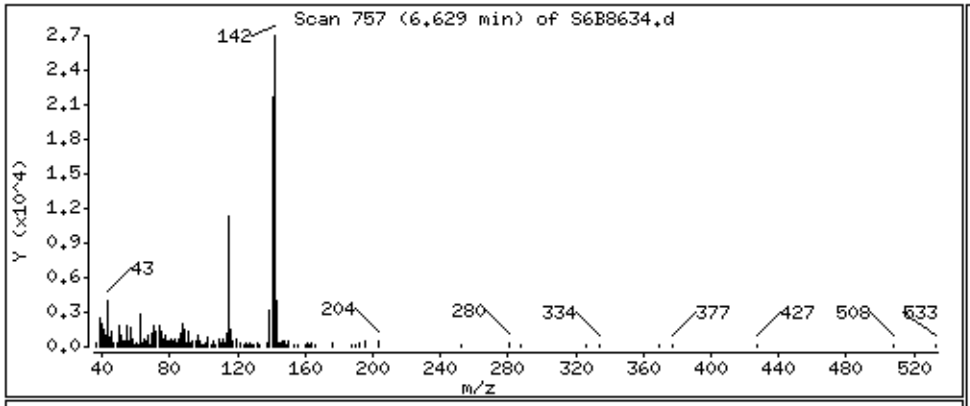
Client ID: SS-15-071014 Instrument: S6.i

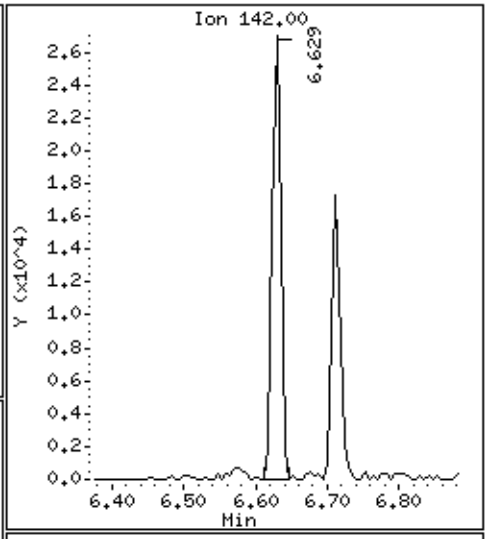
Sample Info: N1194-05A,,78074

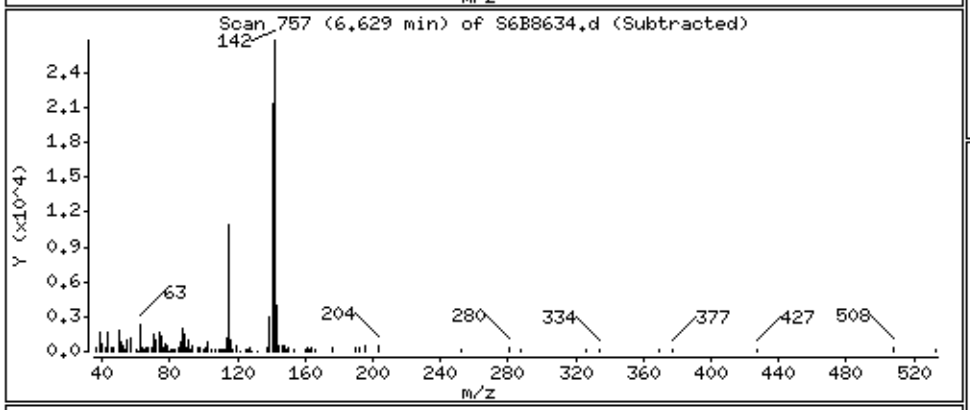
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

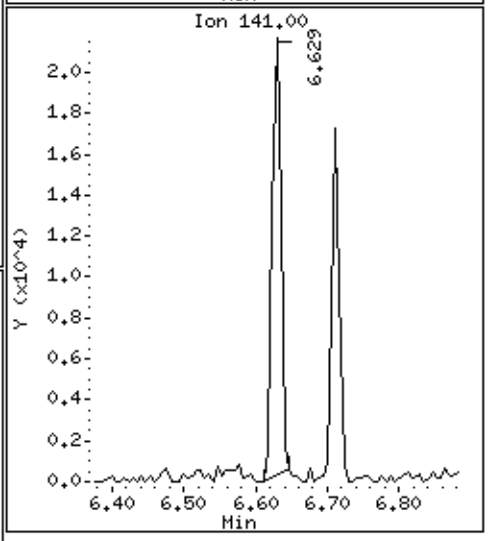
Column phase: Rxi-5Sil MS Column diameter: 0.25

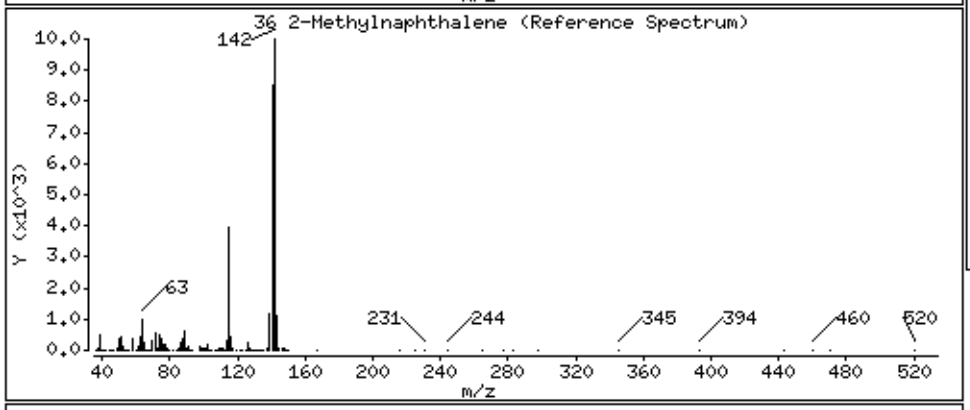
36 2-Methylnaphthalene Concentration: 91 ug/Kg

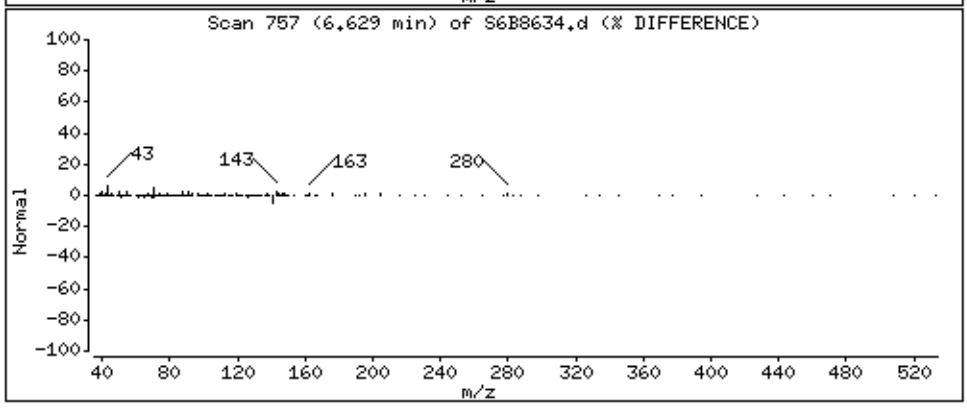












Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d

Date : 17-JUL-2014 17:46

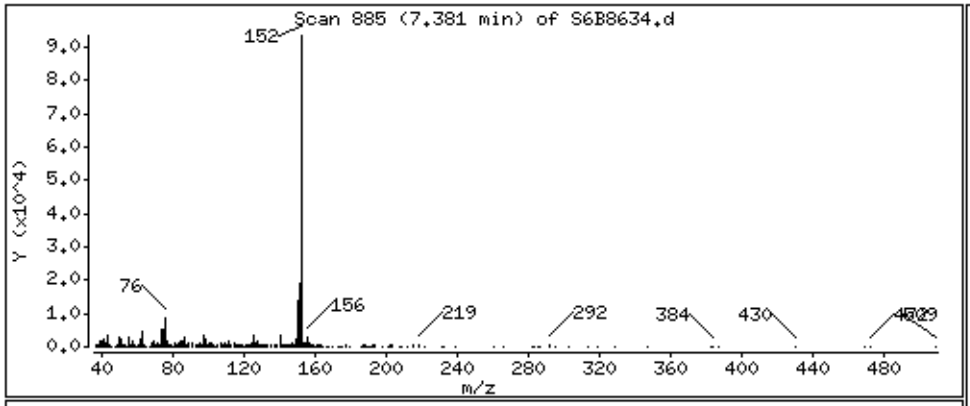
Client ID: SS-15-071014 Instrument: S6.i

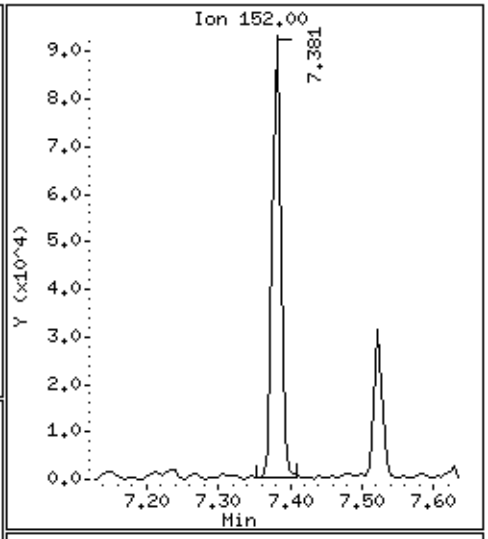
Sample Info: N1194-05A,,78074

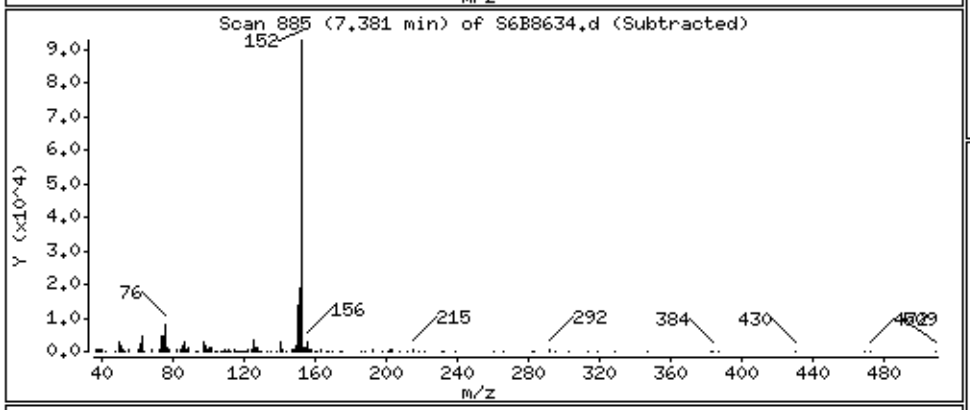
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

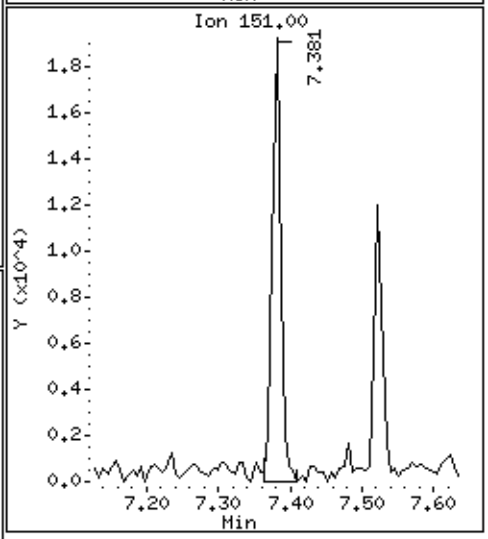
Column phase: Rxi-5Sil MS Column diameter: 0.25

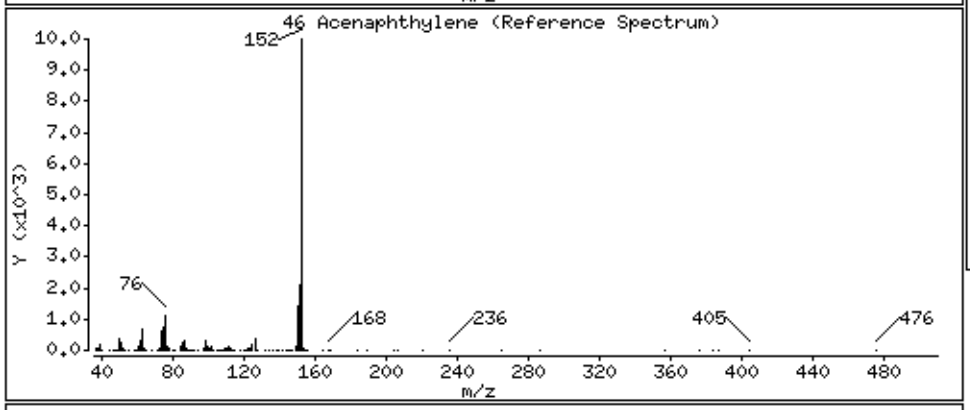
46 Acenaphthylene Concentration: 180 ug/Kg

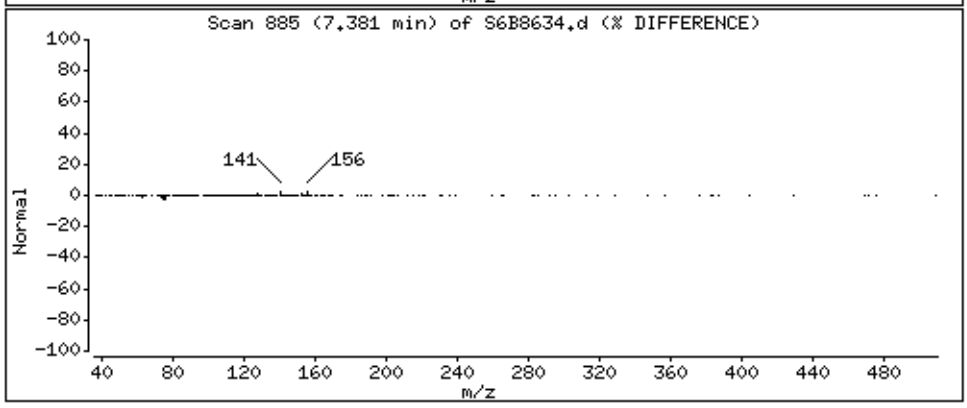












Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d

Date : 17-JUL-2014 17:46

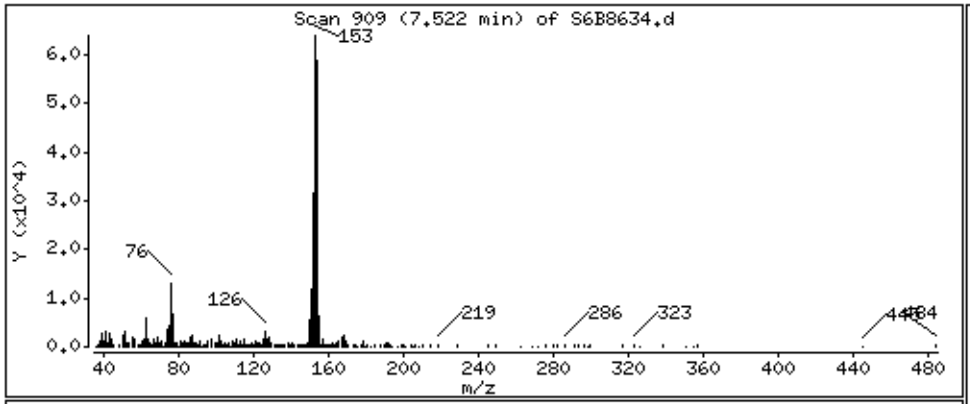
Client ID: SS-15-071014 Instrument: S6.i

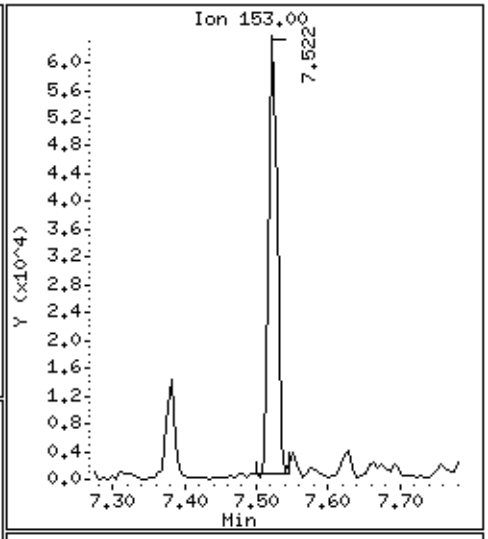
Sample Info: N1194-05A,,78074

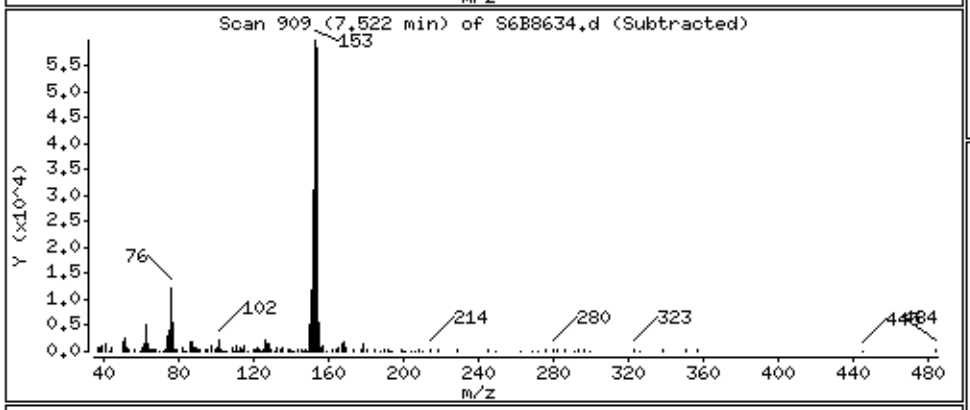
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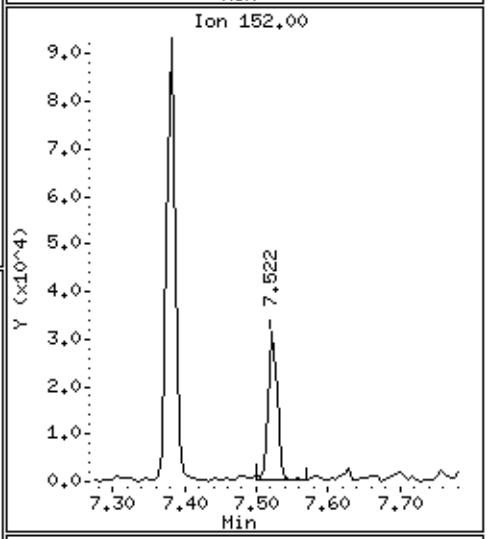
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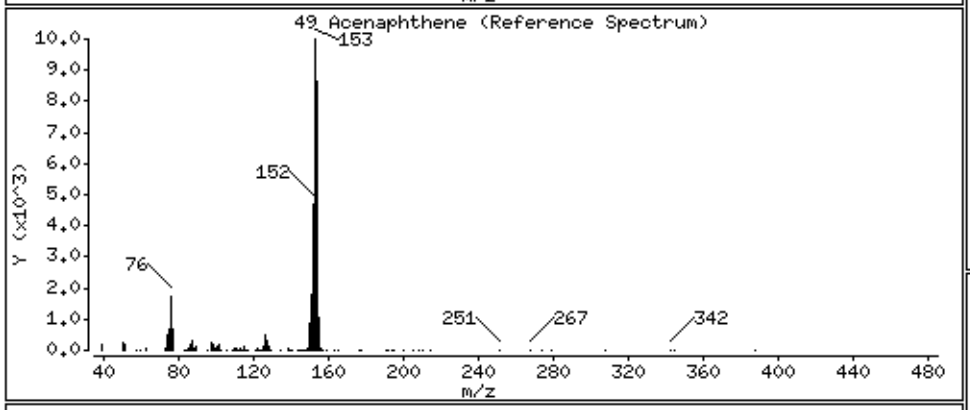
49 Acenaphthene Concentration: 190 ug/Kg

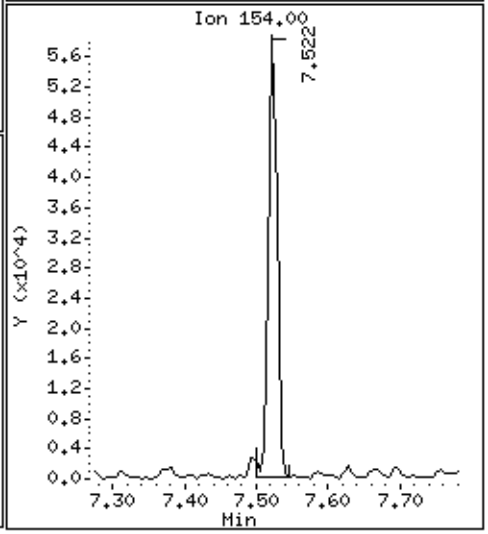


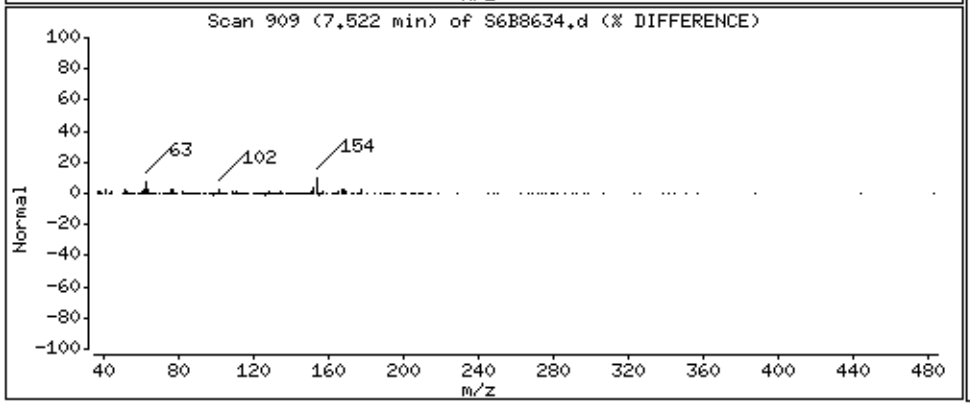












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Date : 17-JUL-2014 17:46

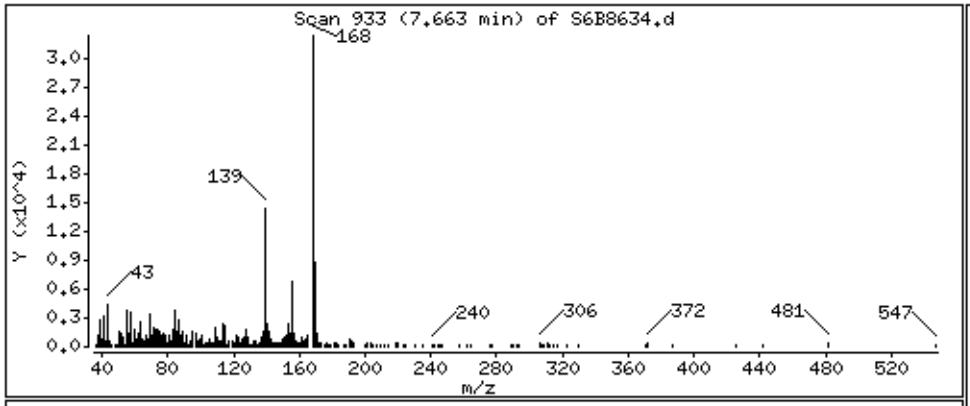
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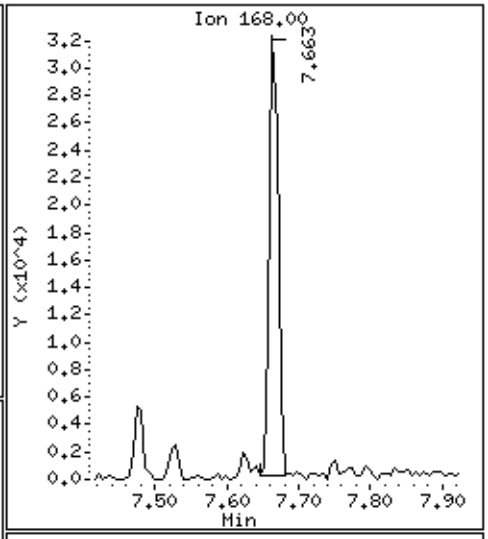
Sample Info: N1194-05A,,78074

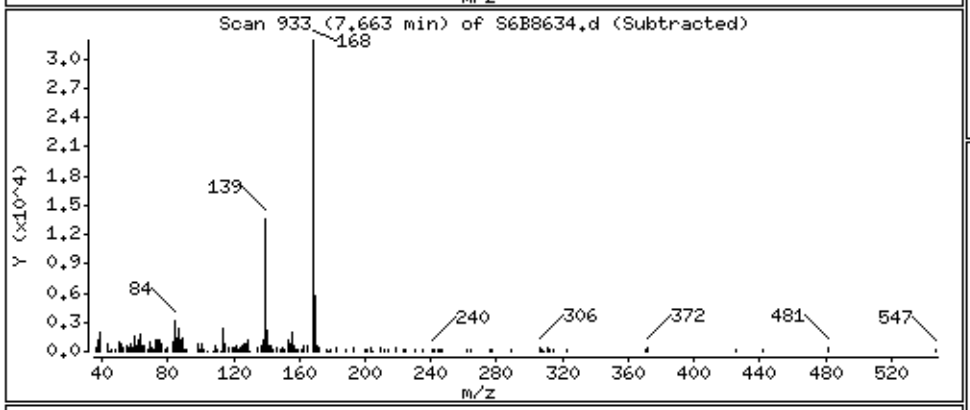
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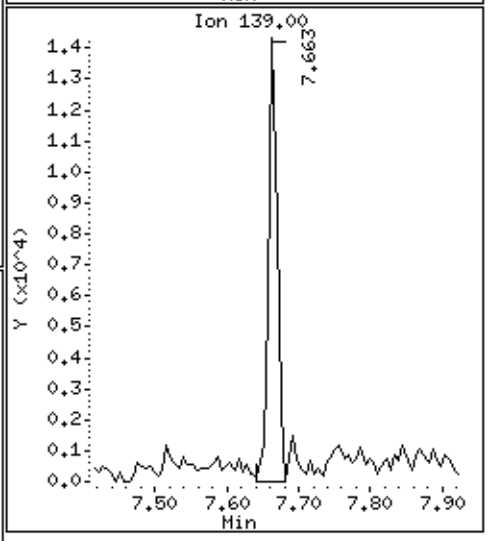
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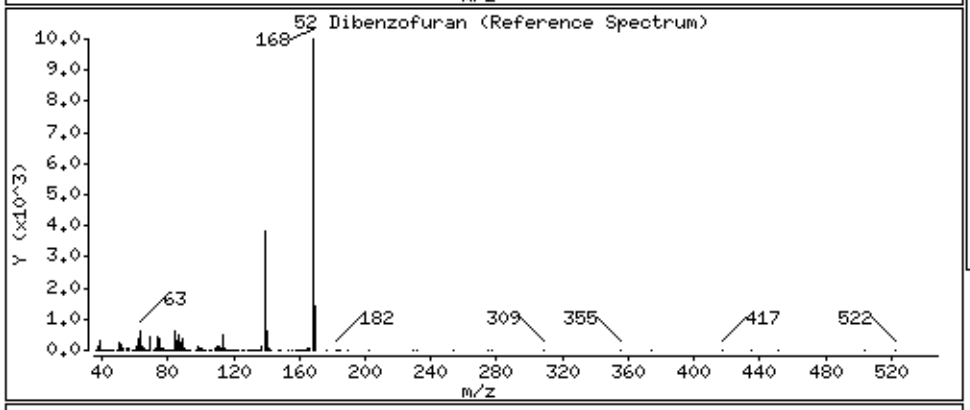
52 Dibenzofuran Concentration: 73 ug/Kg

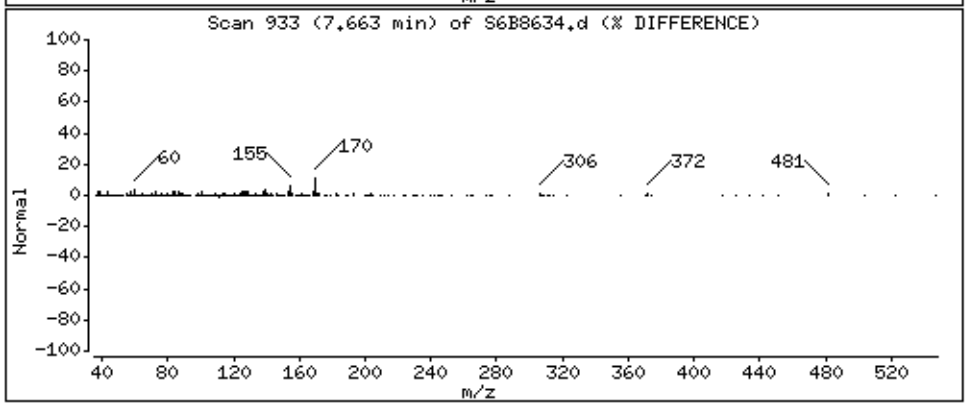












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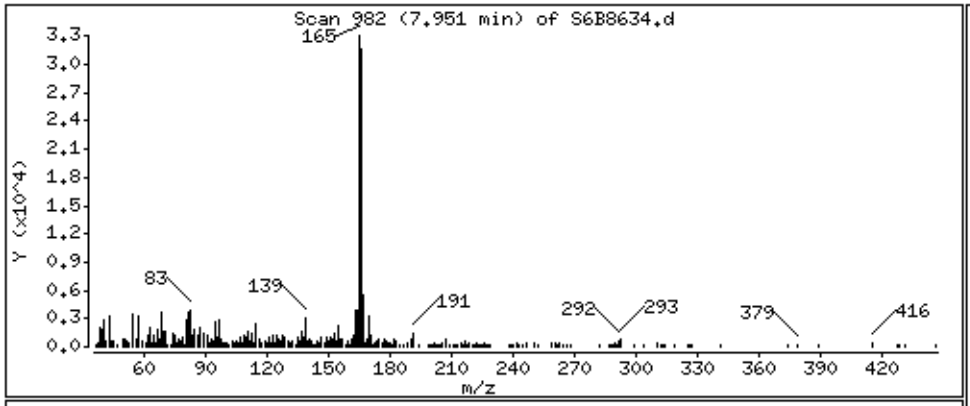
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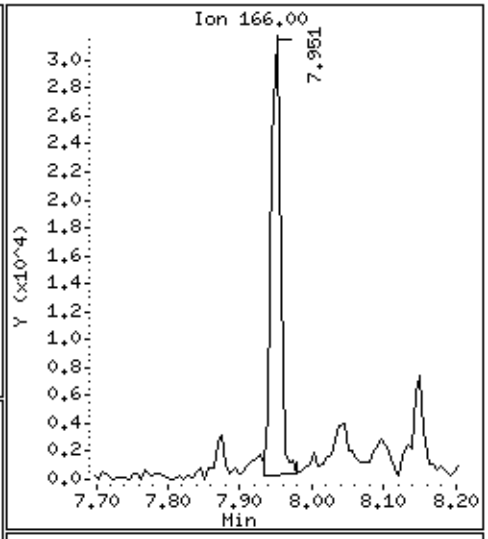
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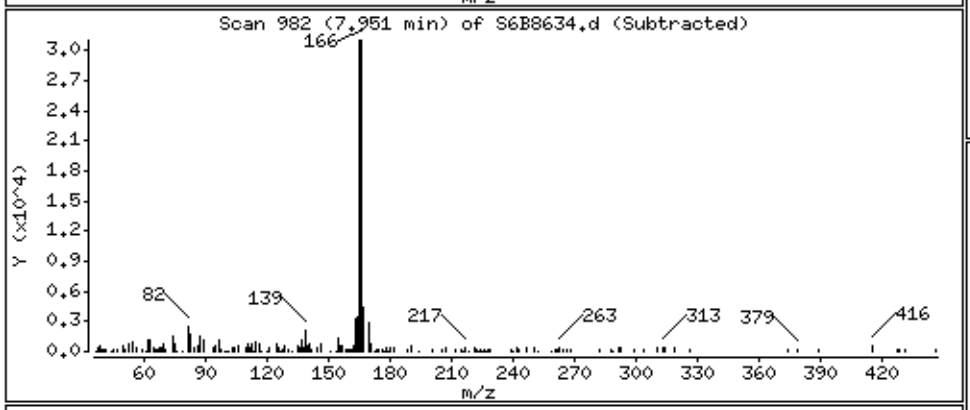
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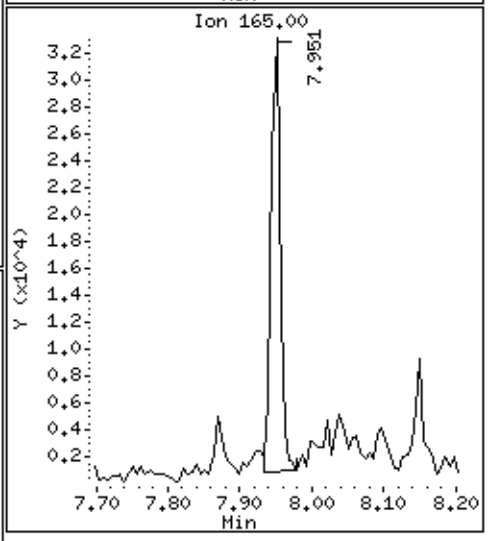
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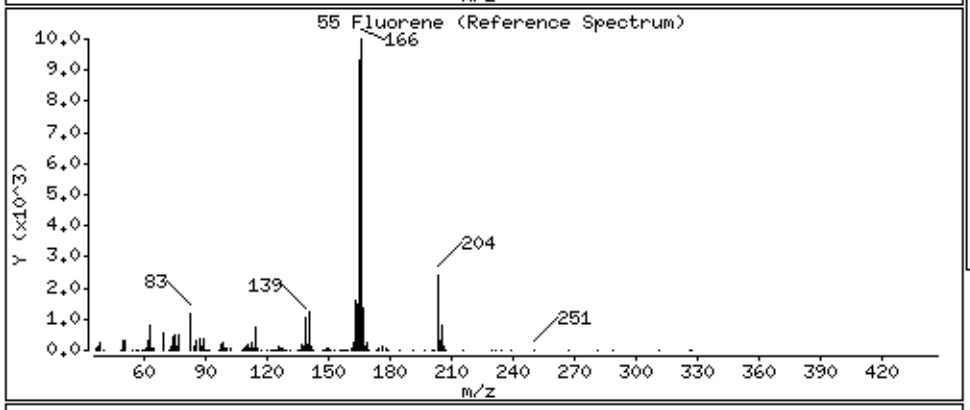
55 Fluorene Concentration: 90 ug/Kg

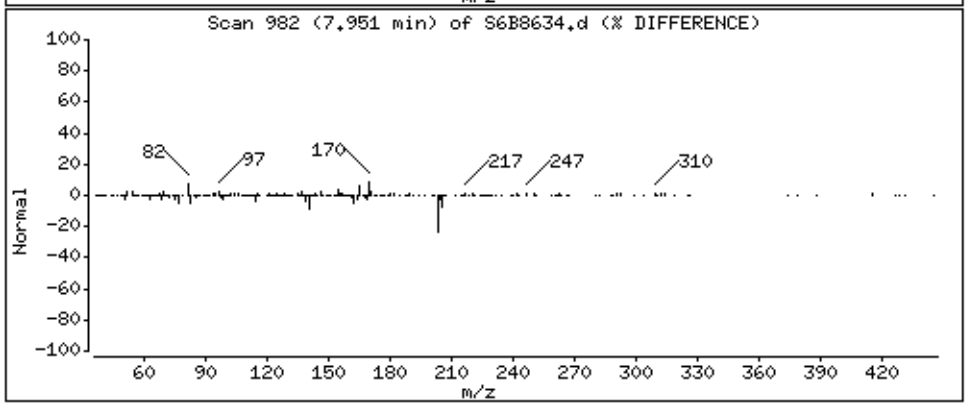












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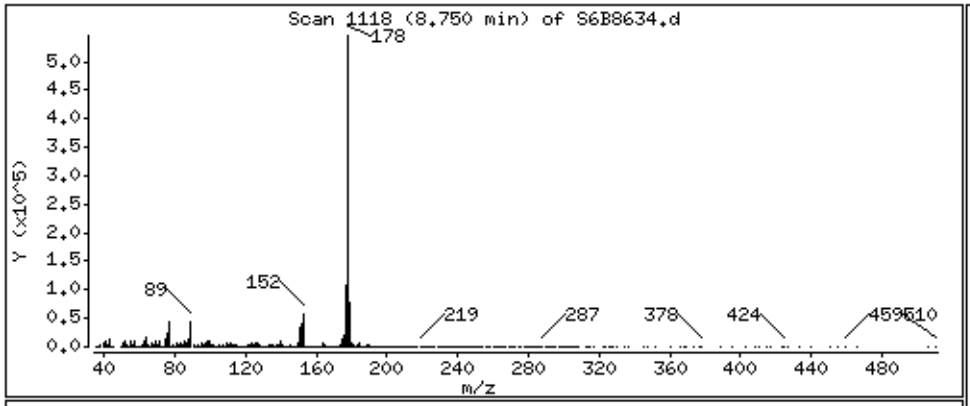
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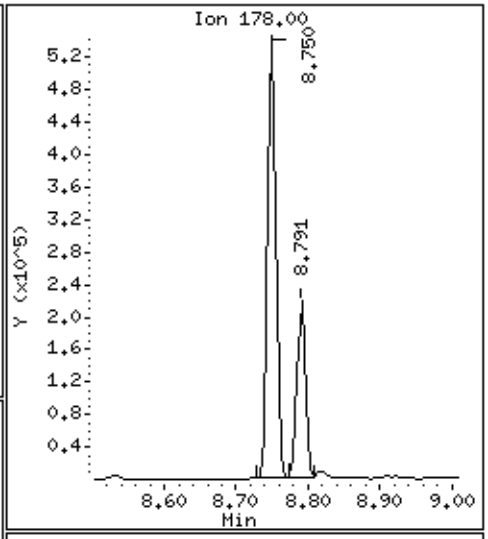
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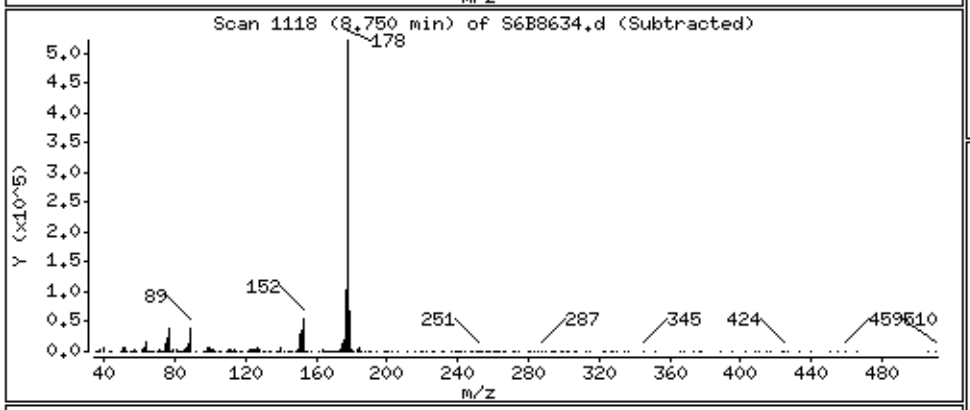
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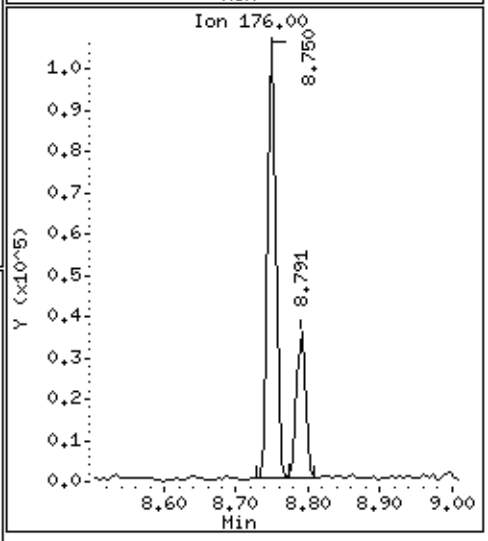
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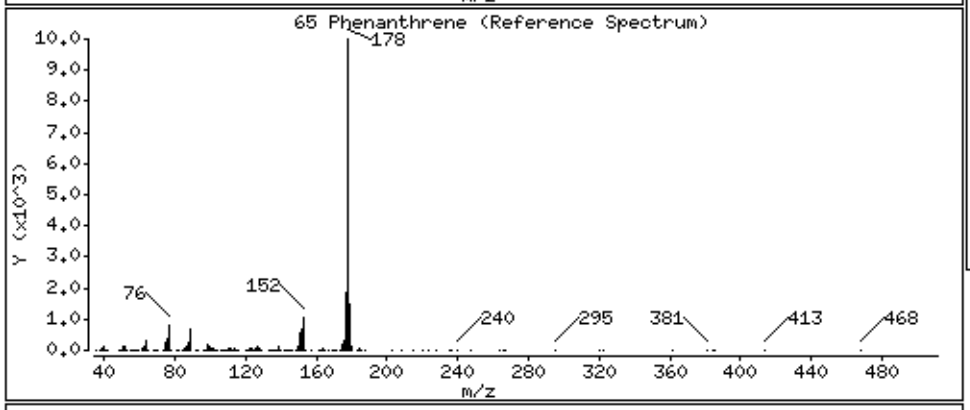
65 Phenanthrene Concentration: 970 ug/Kg

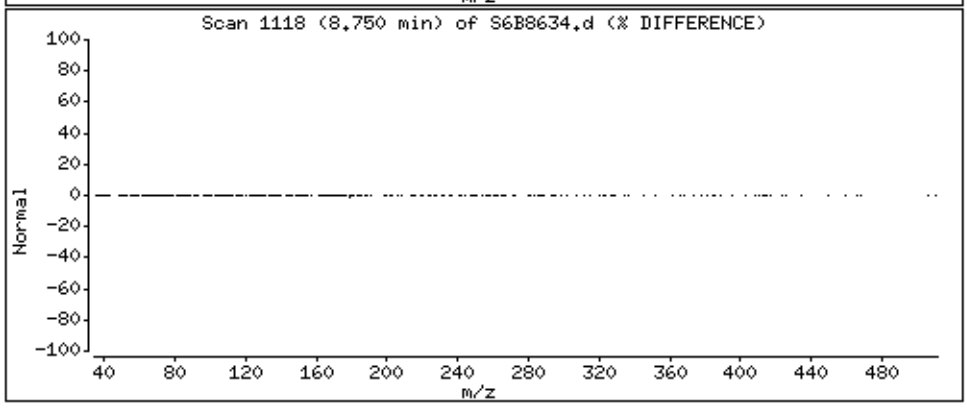












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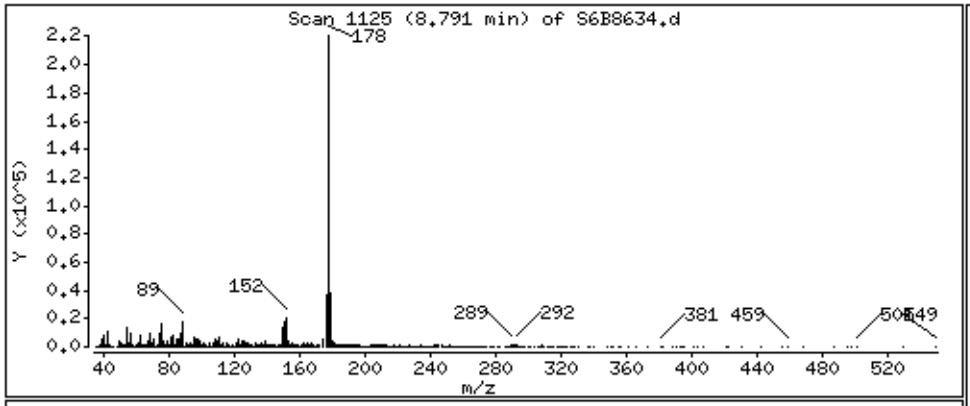
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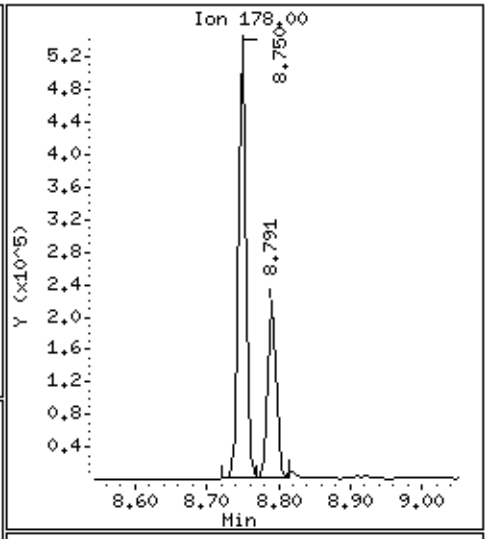
Sample Info: N1194-05A,,78074

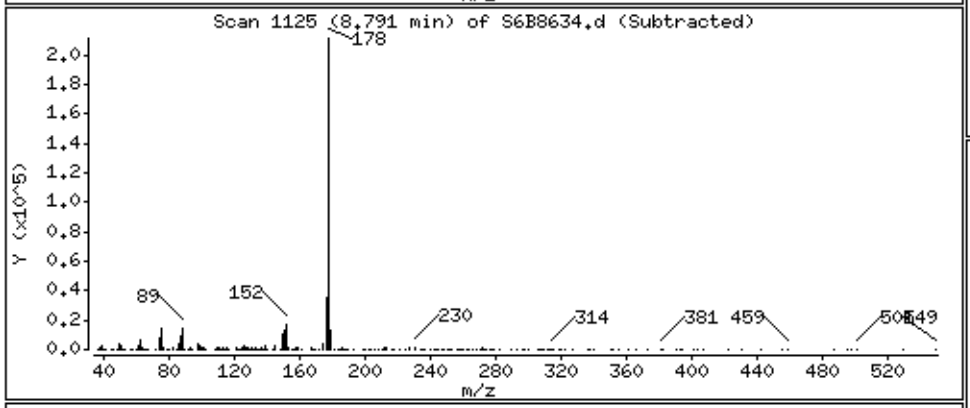
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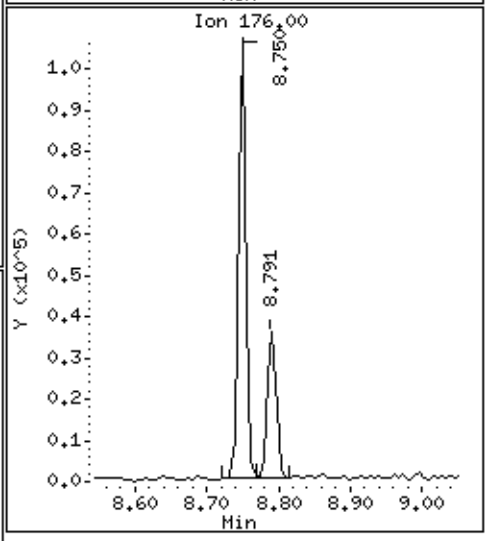
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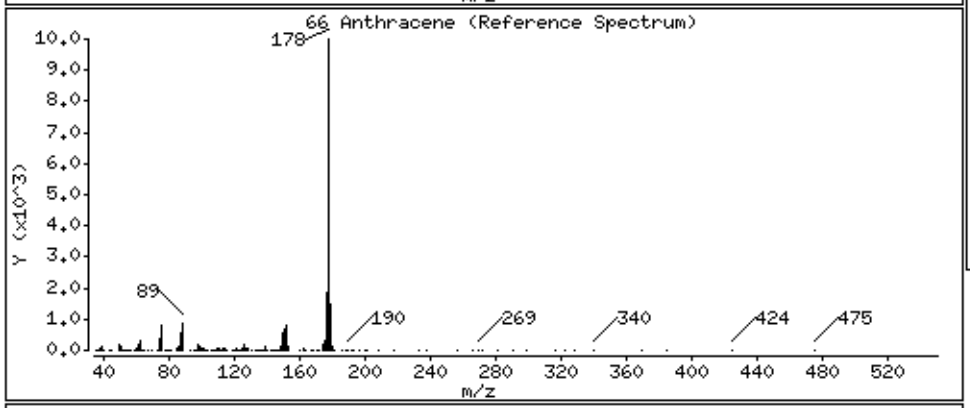
66 Anthracene Concentration: 380 ug/Kg

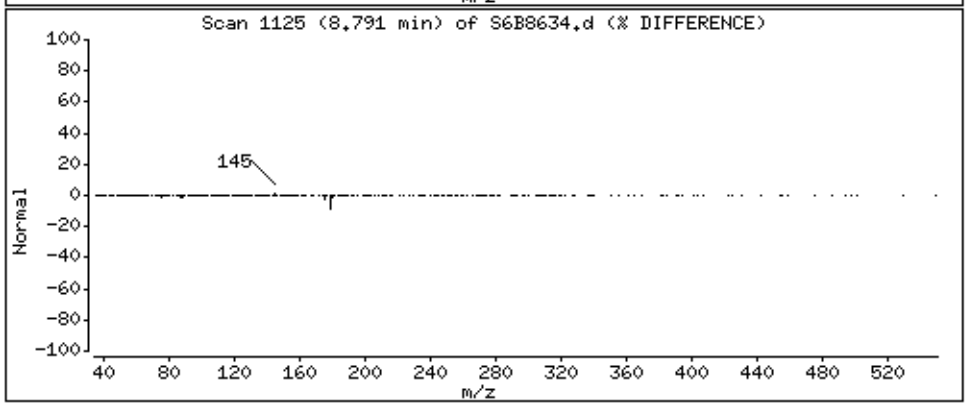












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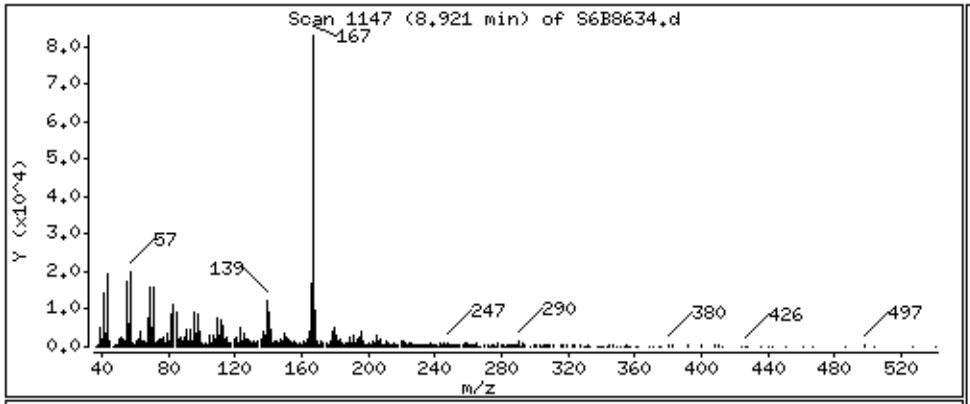
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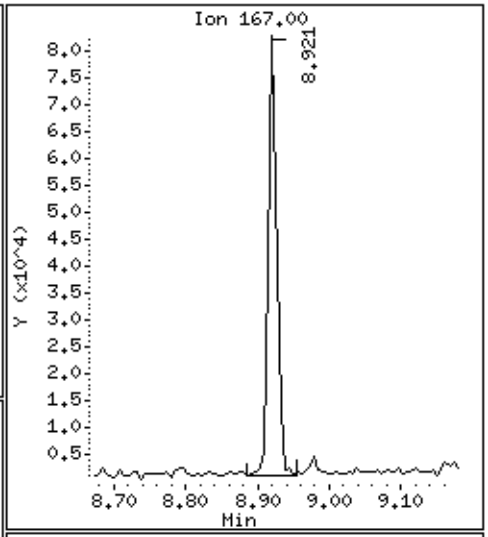
Sample Info: N1194-05A,,78074

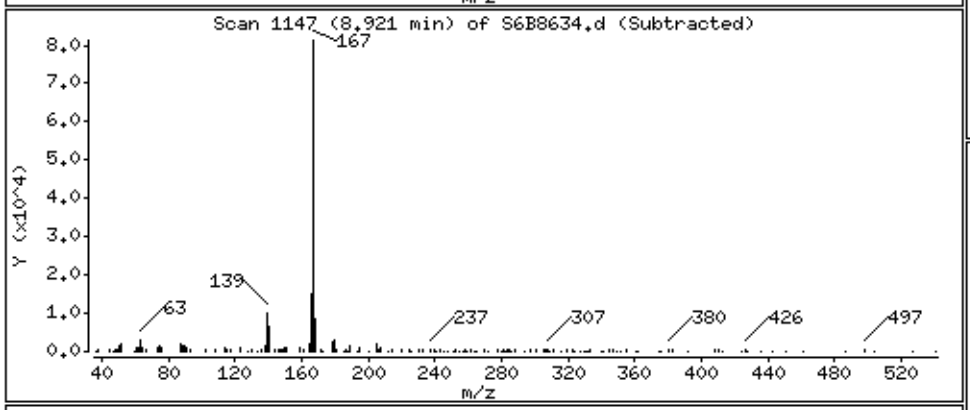
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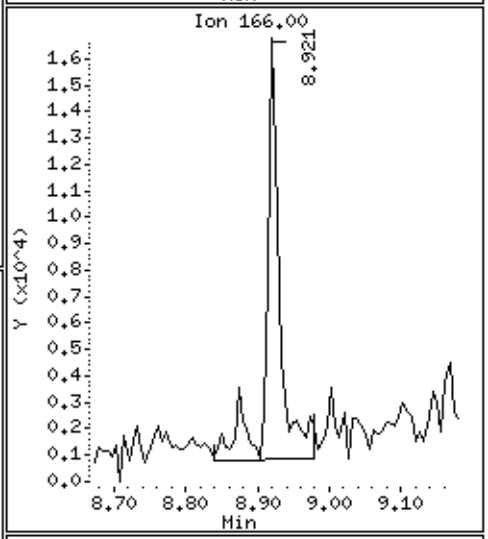
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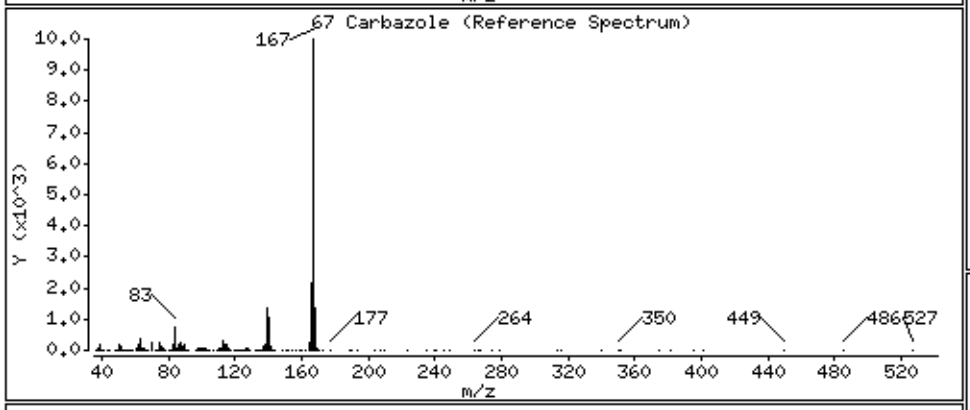
67 Carbazole Concentration: 170 ug/Kg

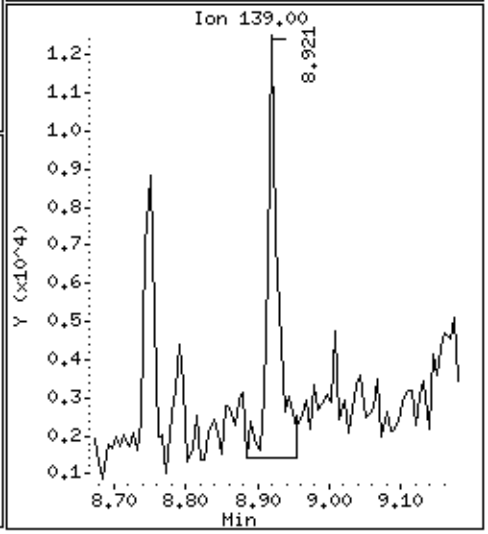


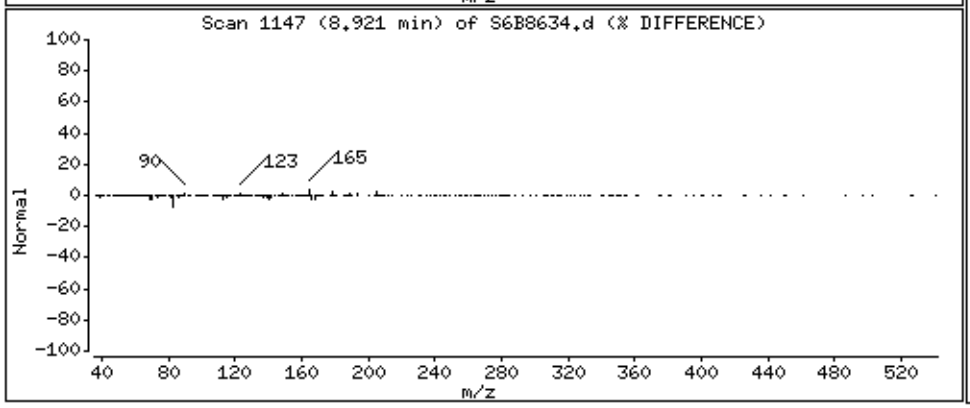












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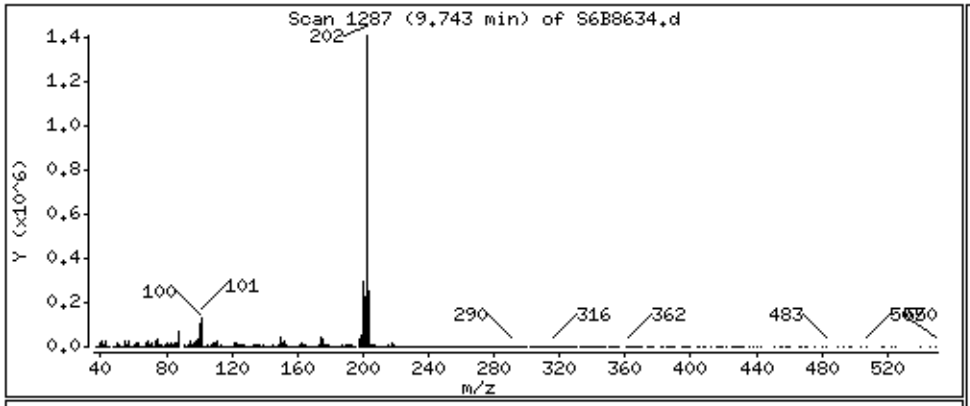
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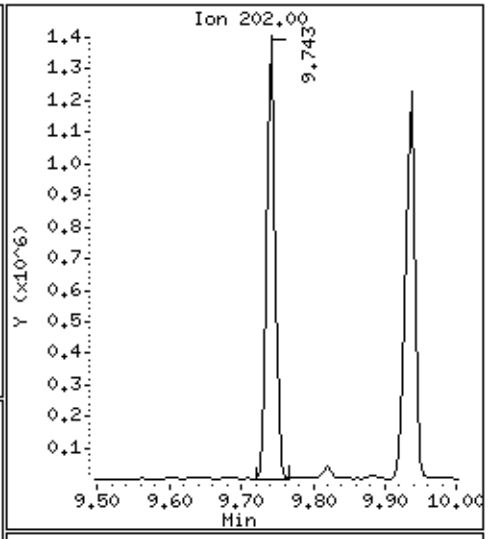
Sample Info: N1194-05A,,78074

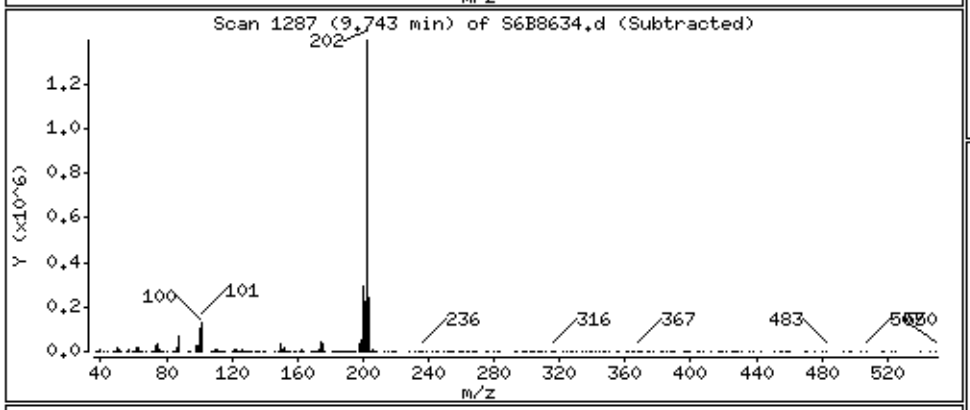
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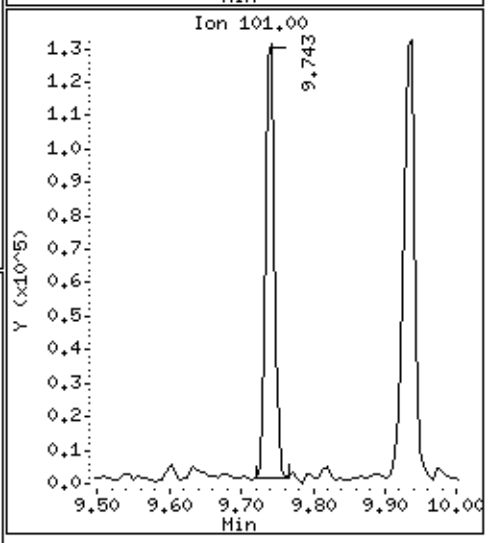
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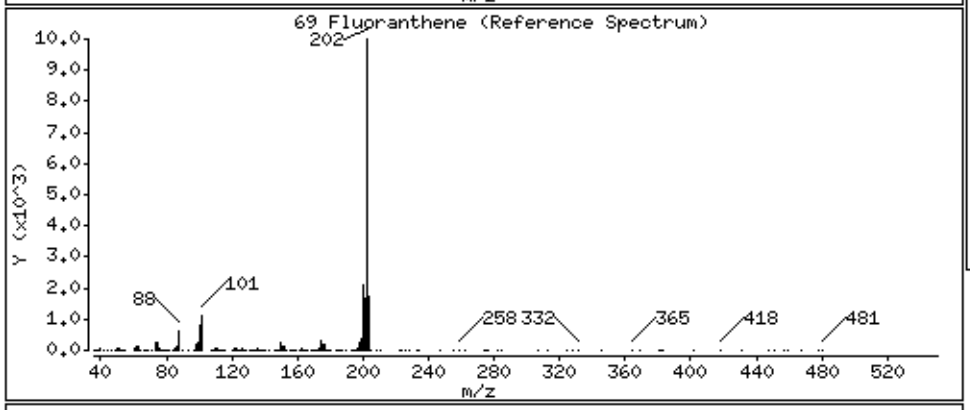
69 Fluoranthene Concentration: 2400 ug/Kg

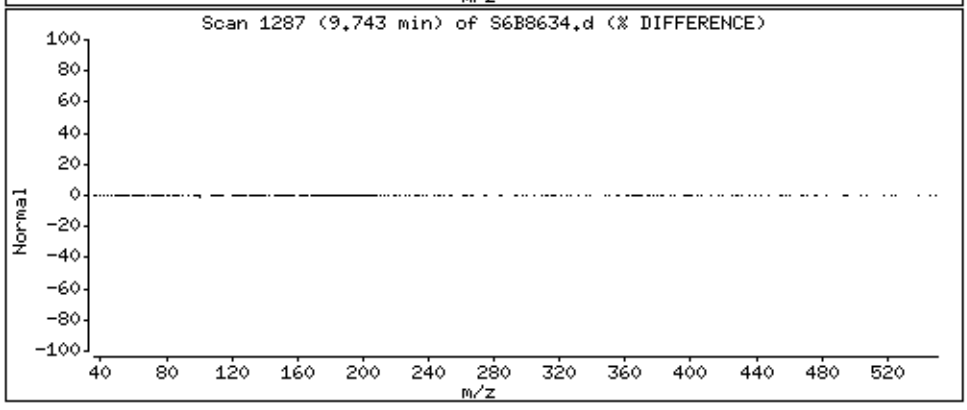












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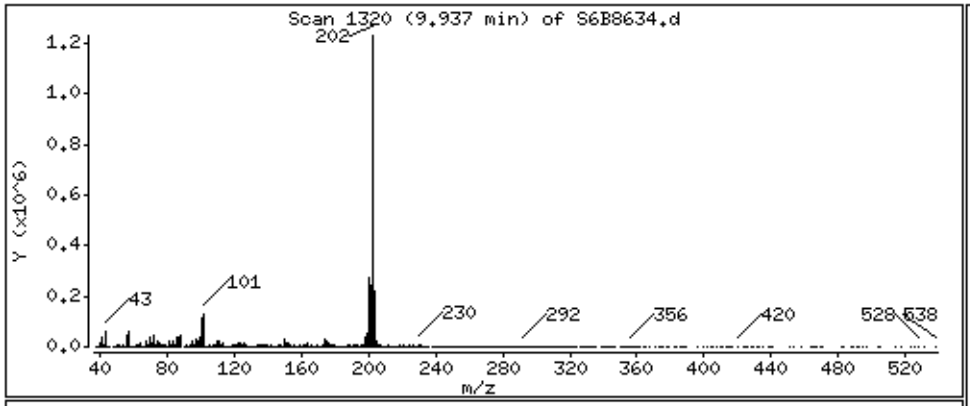
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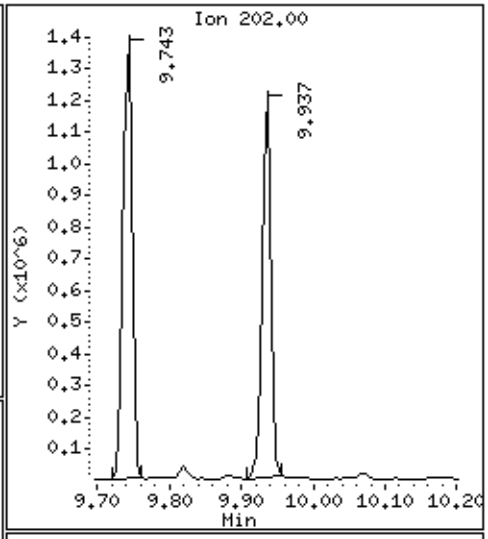
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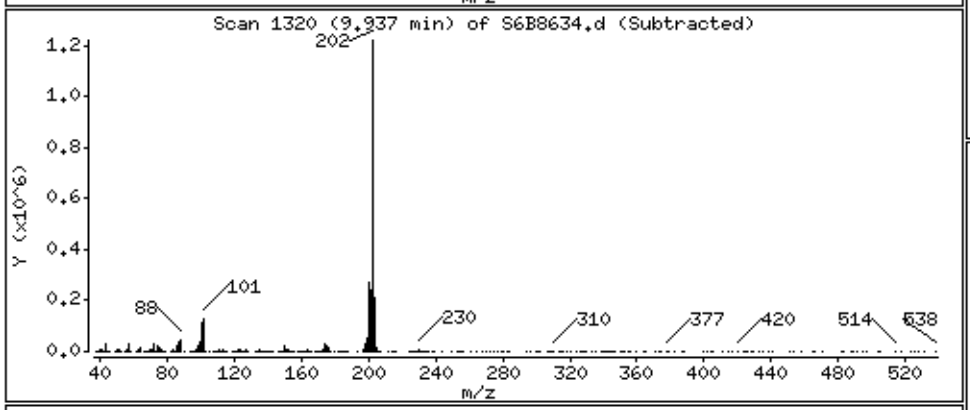
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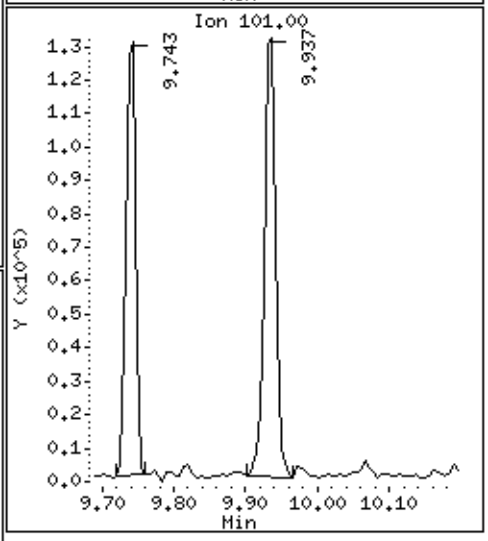
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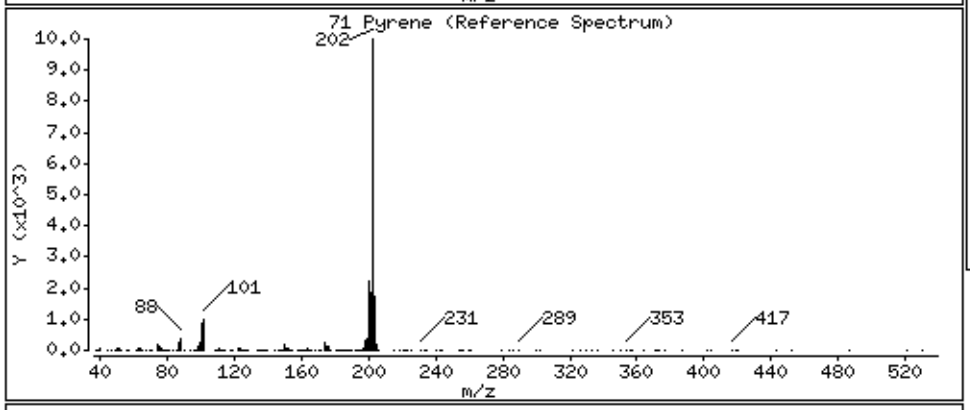
71 Pyrene Concentration: 1900 ug/Kg

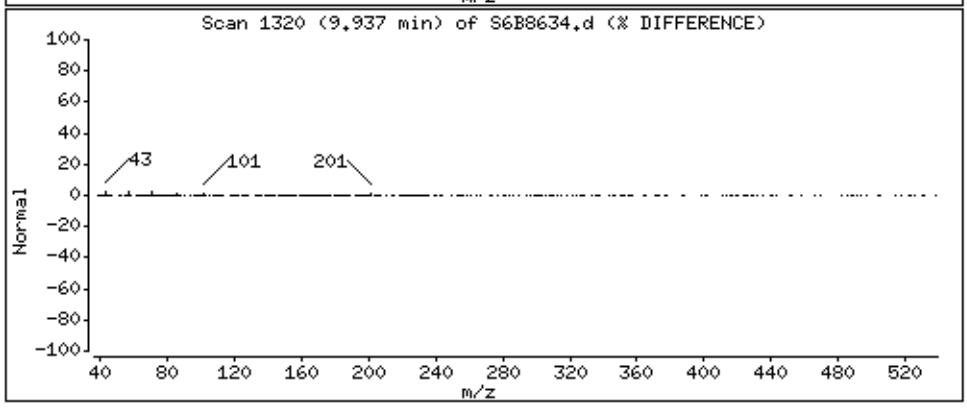












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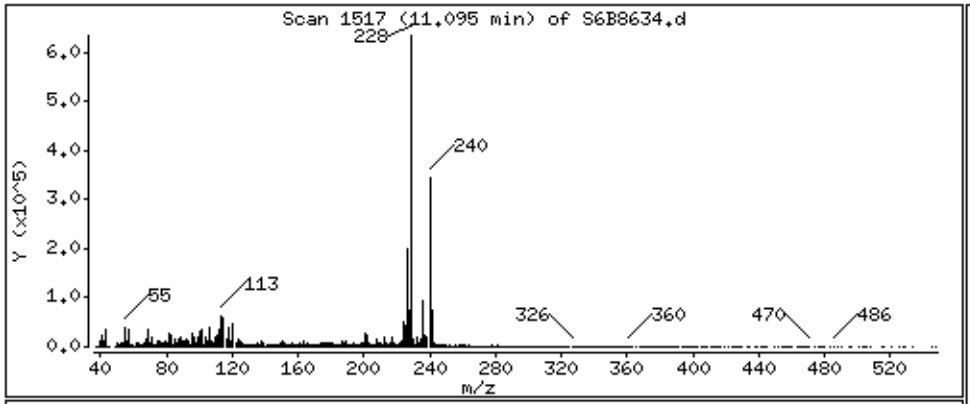
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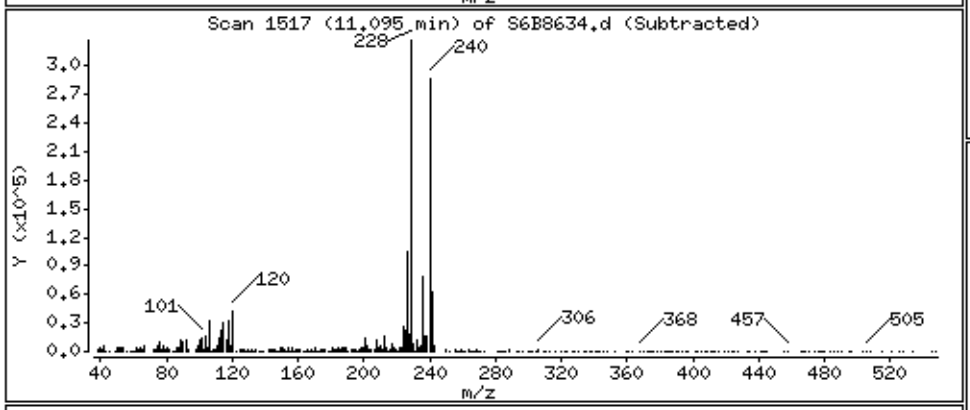
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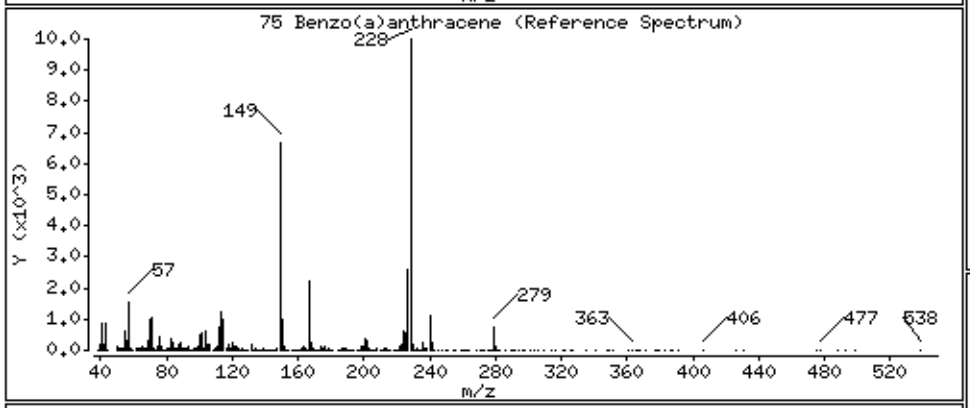
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

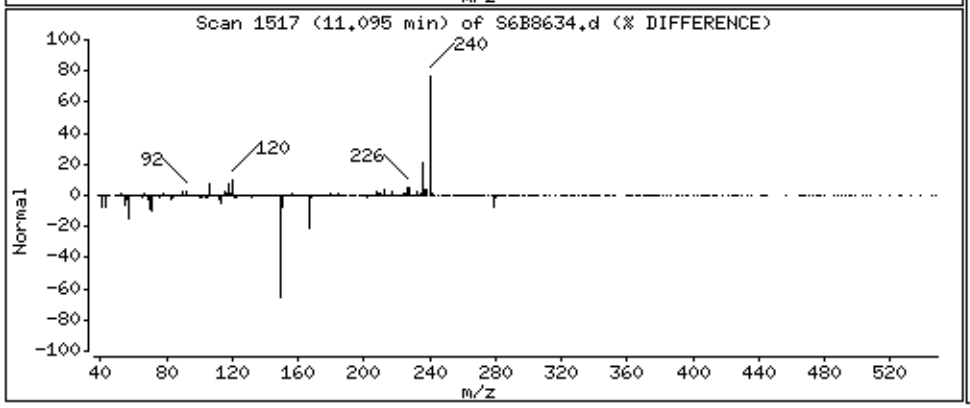
Column phase: Rxi-5Sil MS Column diameter: 0.25

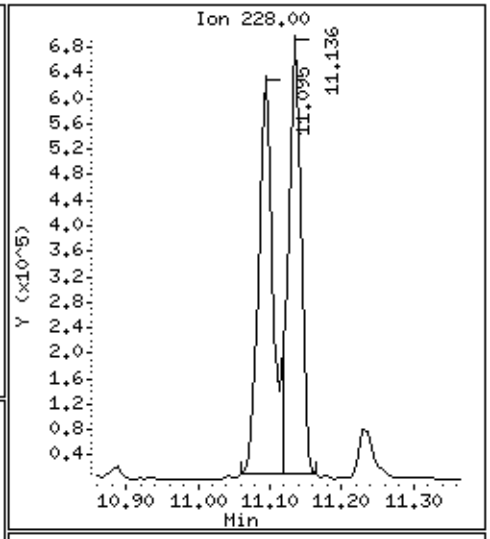
75 Benzo(a)anthracene Concentration: 1700 ug/Kg

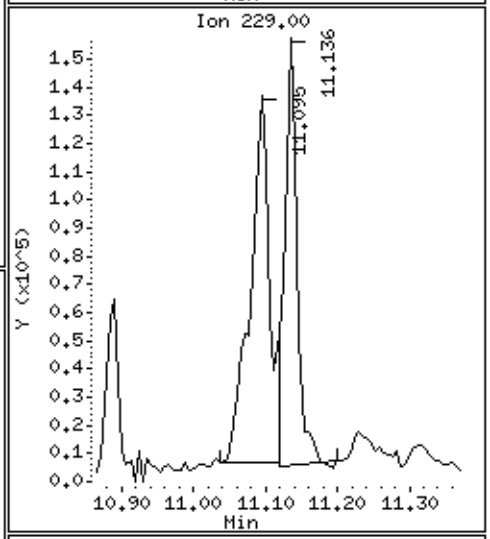


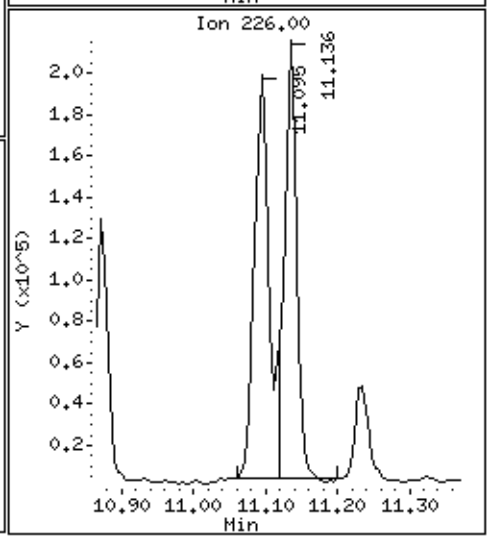












Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d

Date : 17-JUL-2014 17:46

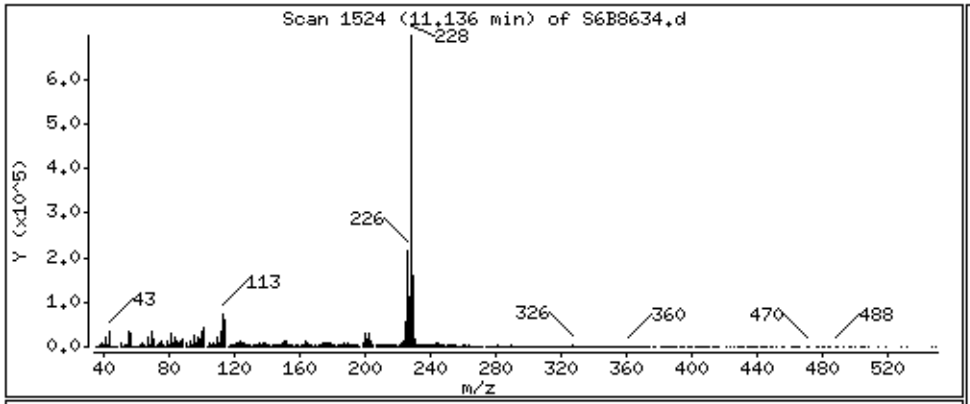
Client ID: SS-15-071014 Instrument: S6.i

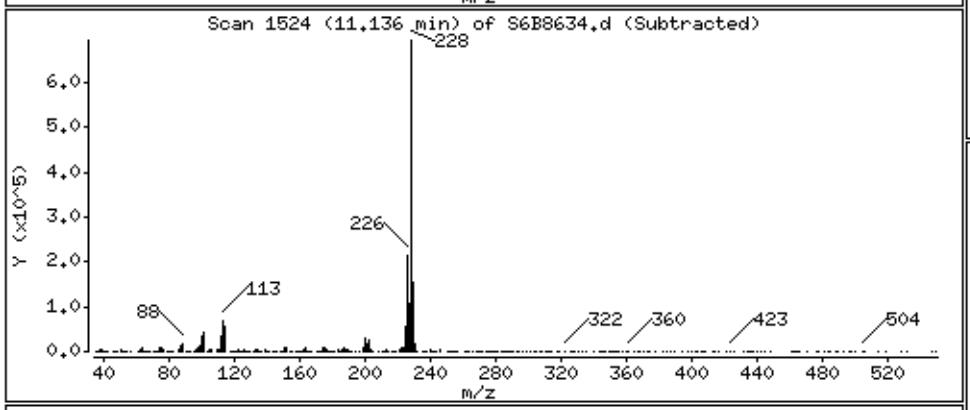
Sample Info: N1194-05A,,78074

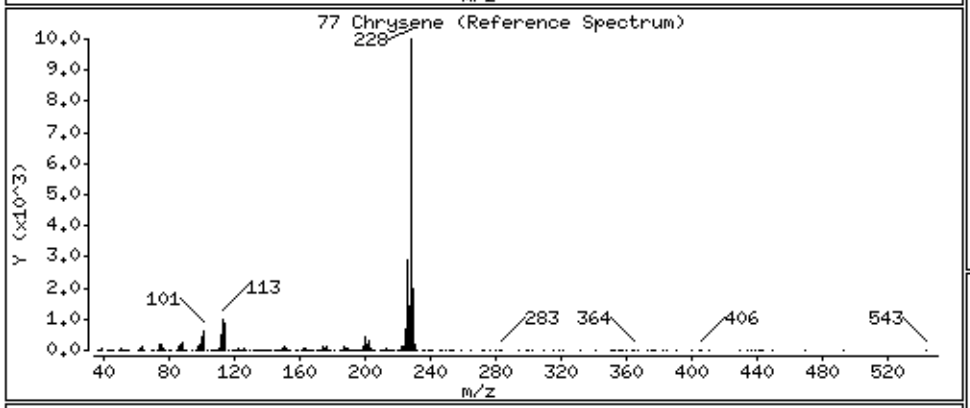
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

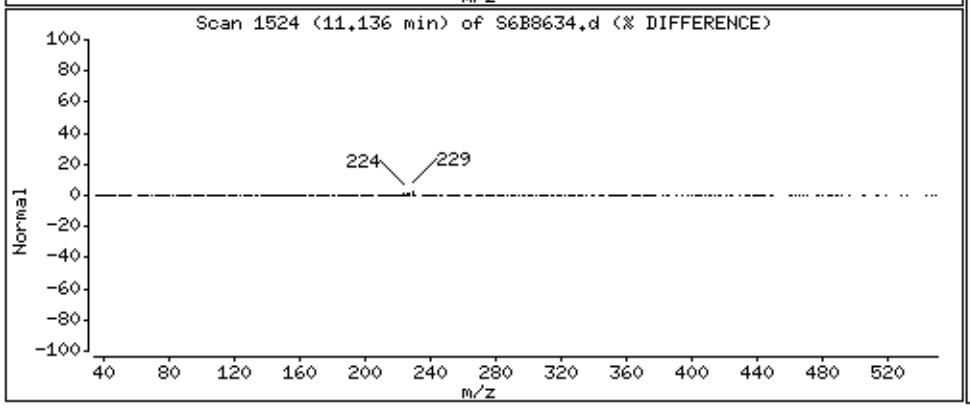
Column phase: Rxi-5Sil MS Column diameter: 0.25

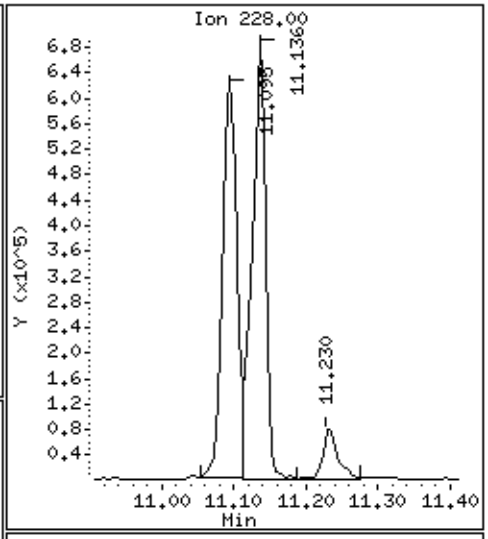
77 Chrysene Concentration: 1900 ug/Kg

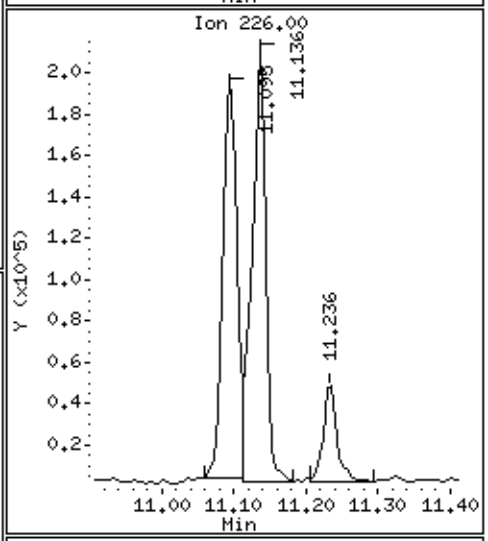


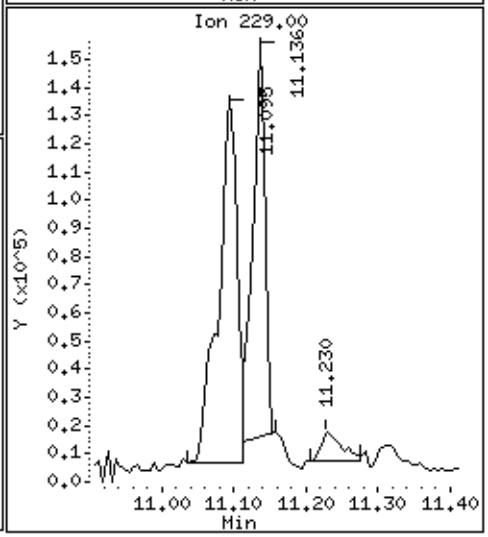












Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d

Date : 17-JUL-2014 17:46

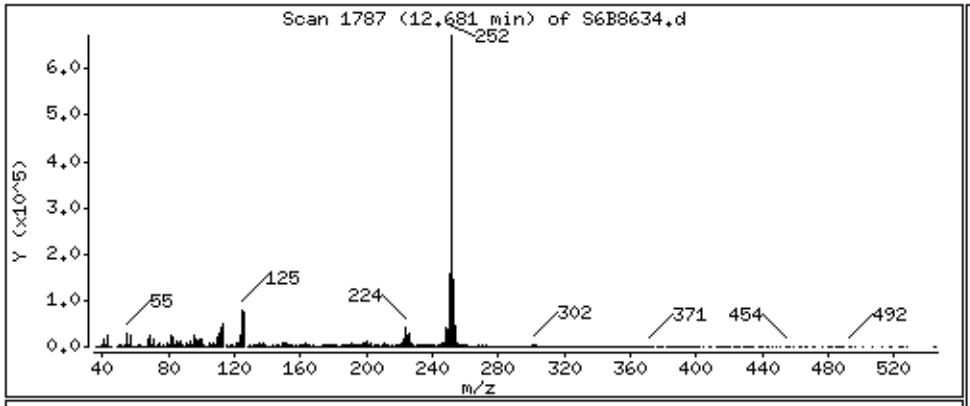
Client ID: SS-15-071014 Instrument: S6.i

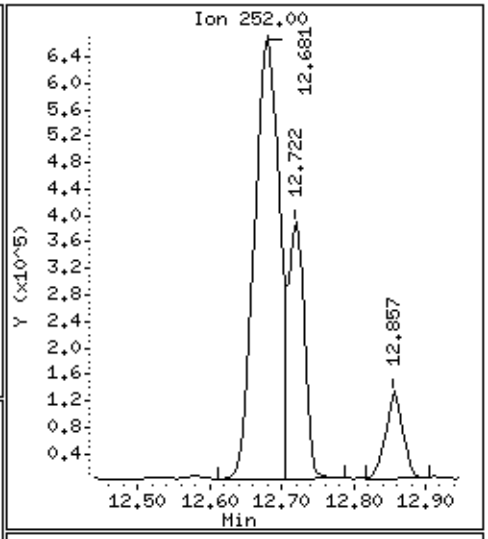
Sample Info: N1194-05A,,78074

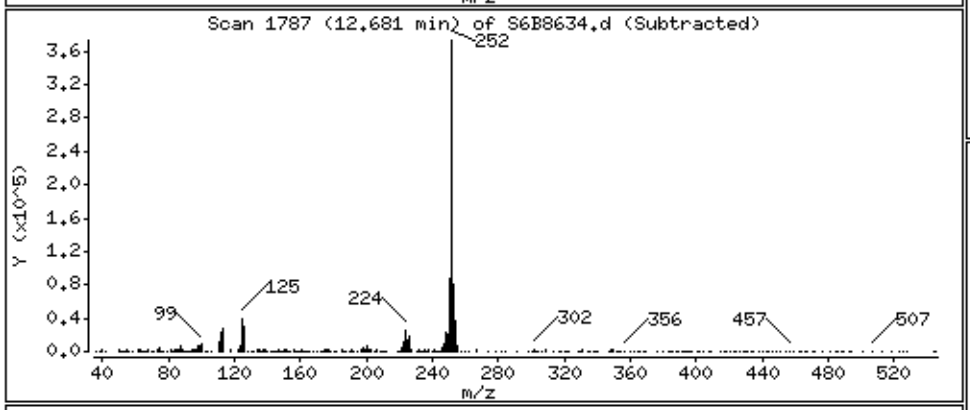
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

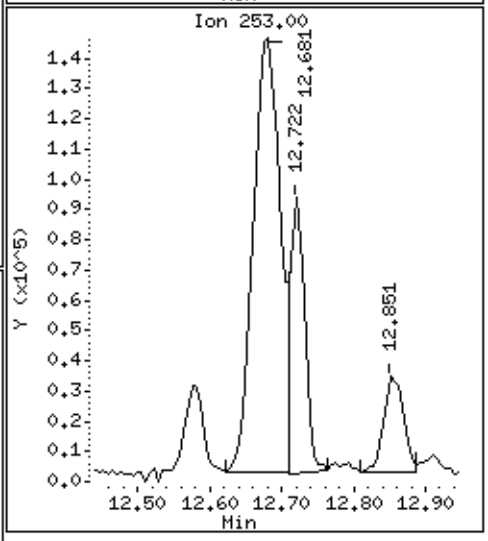
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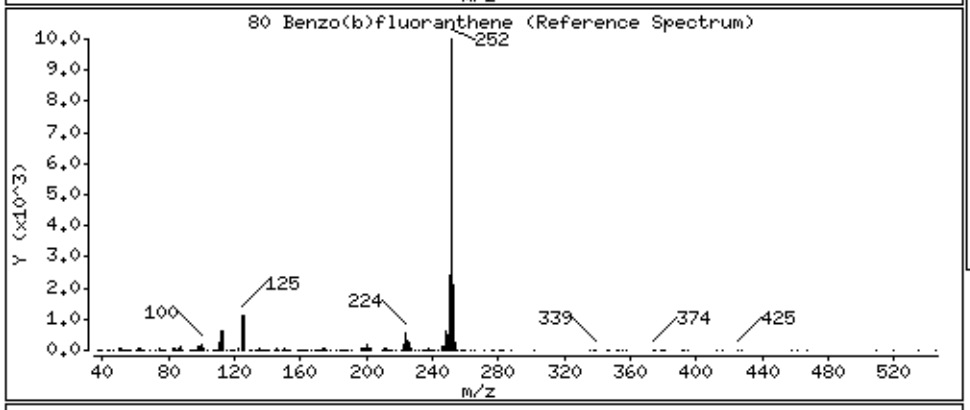
80 Benzo(b)fluoranthene Concentration: 2800 ug/Kg

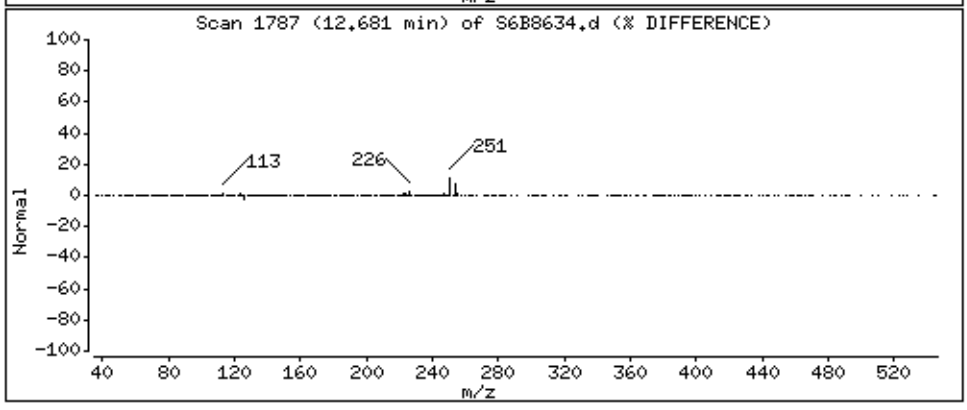












Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d

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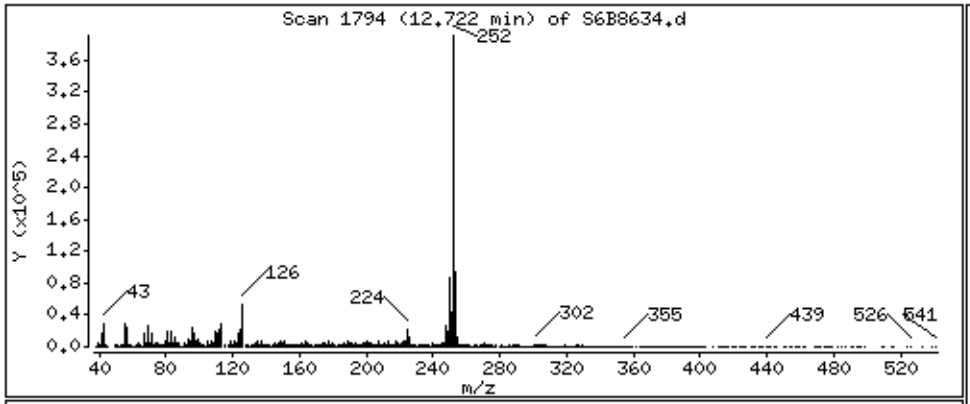
Client ID: SS-15-071014 Instrument: S6.i

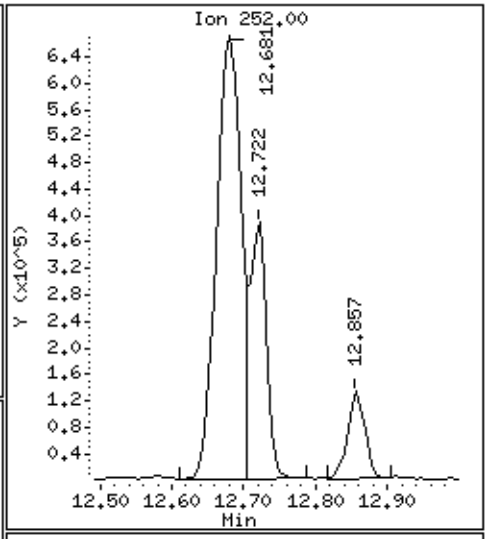
Sample Info: N1194-05A,,78074

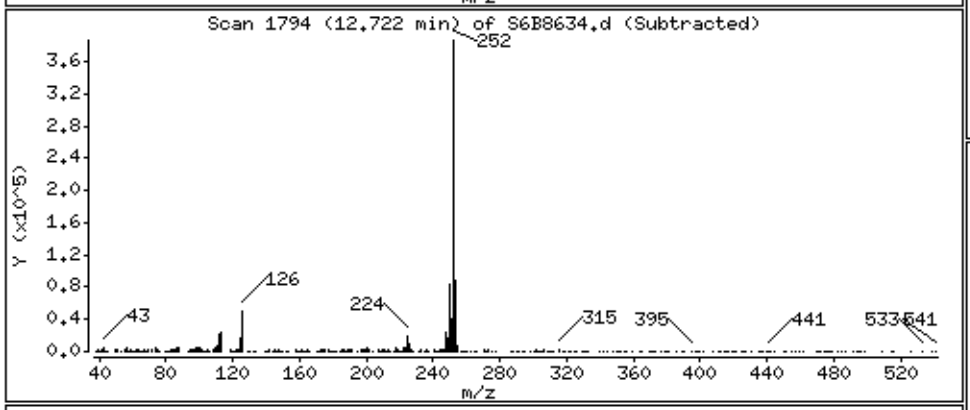
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

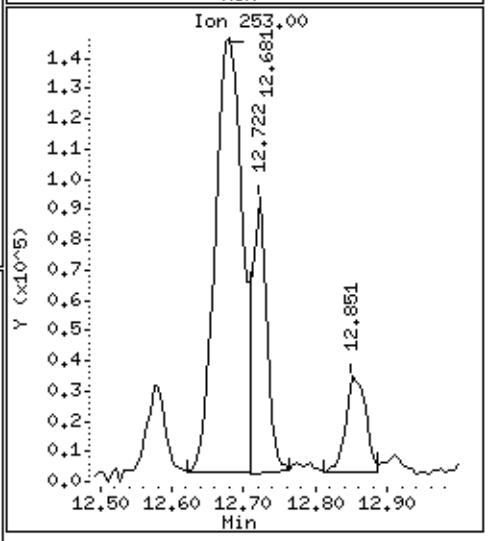
Column phase: Rxi-5Sil MS Column diameter: 0.25

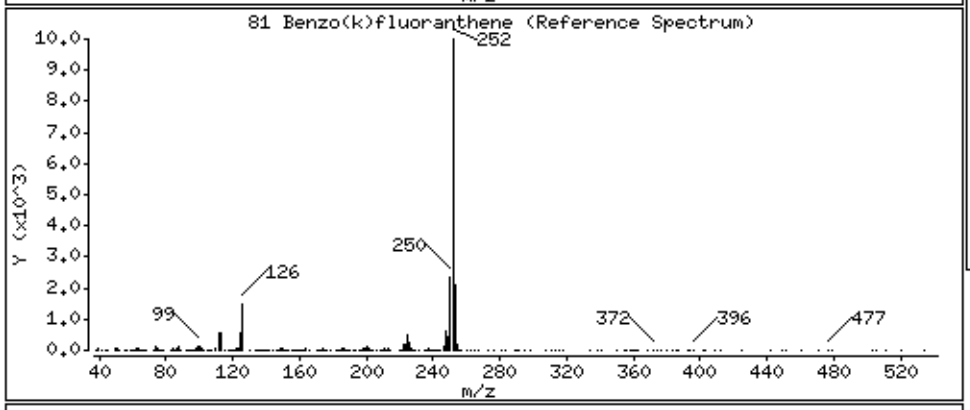
81 Benzo(k)fluoranthene Concentration: 1200 ug/Kg

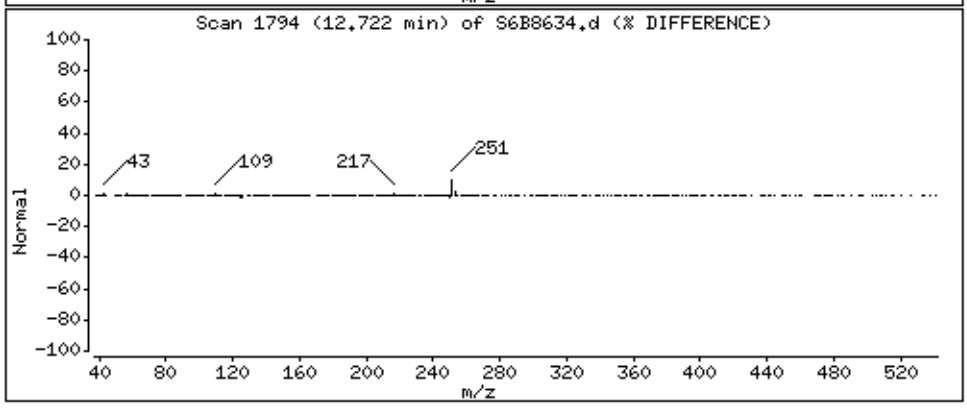












Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d

Date : 17-JUL-2014 17:46

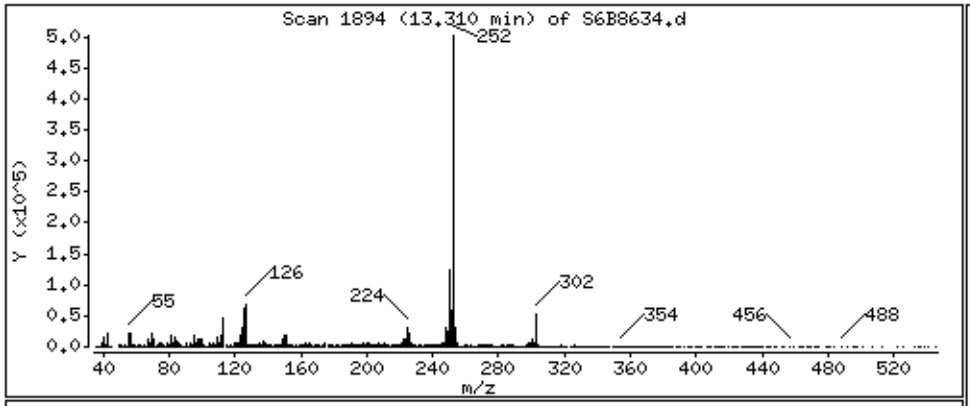
Client ID: SS-15-071014 Instrument: S6.i

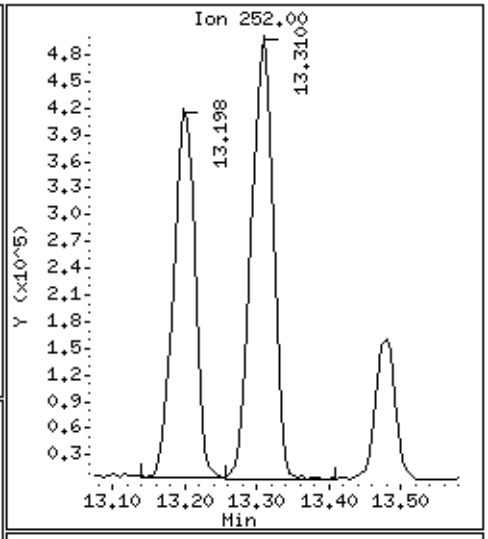
Sample Info: N1194-05A,,78074

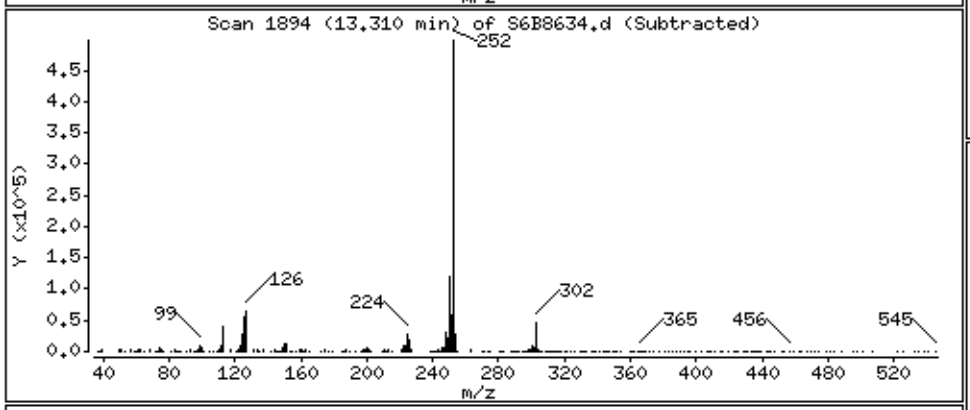
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

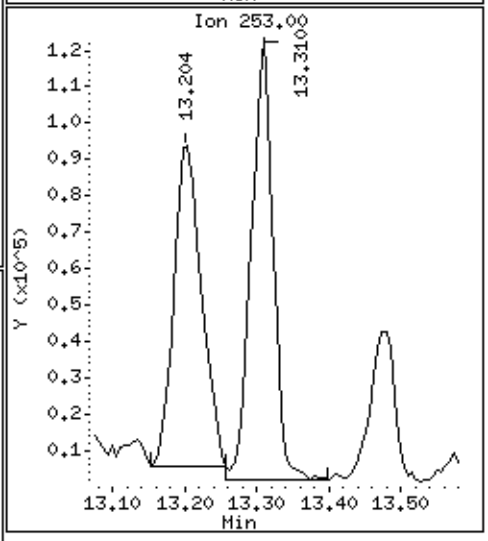
Column phase: Rxi-5Sil MS Column diameter: 0.25

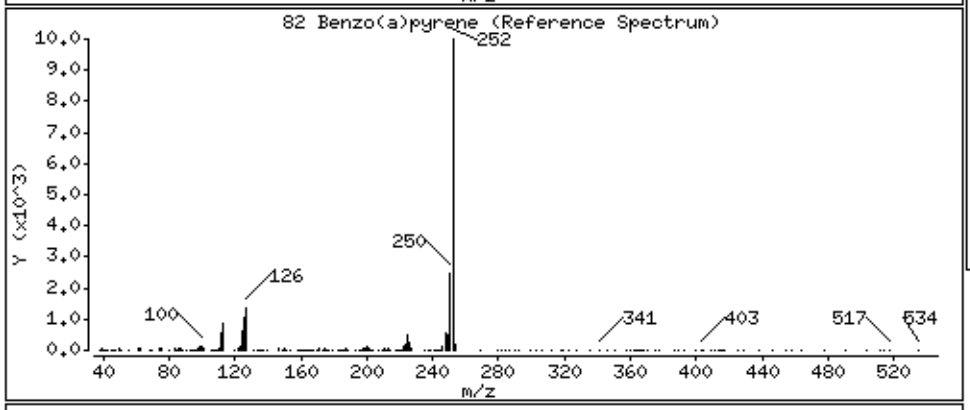
82 Benzo(a)pyrene Concentration: 1900 ug/Kg

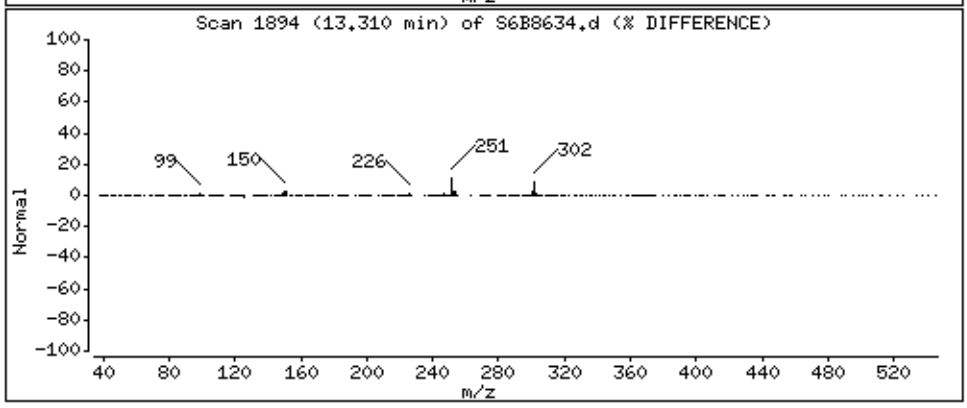












Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d

Date : 17-JUL-2014 17:46

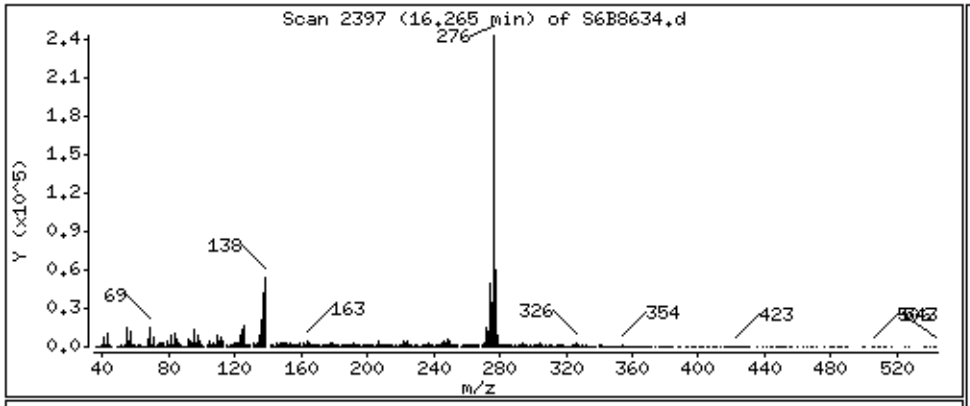
Client ID: SS-15-071014 Instrument: S6.i

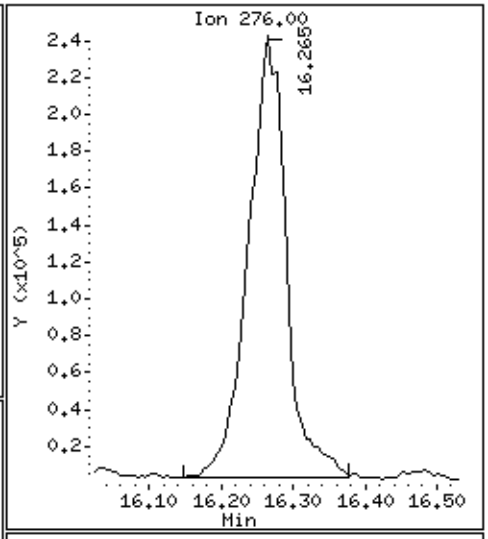
Sample Info: N1194-05A,,78074

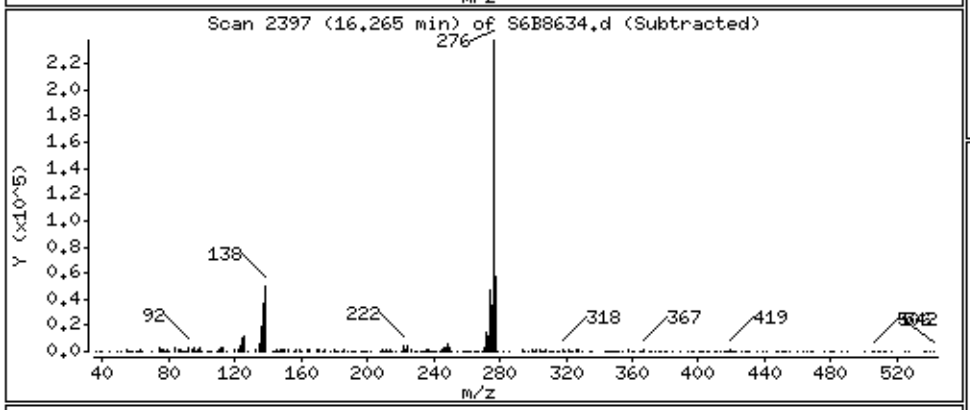
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

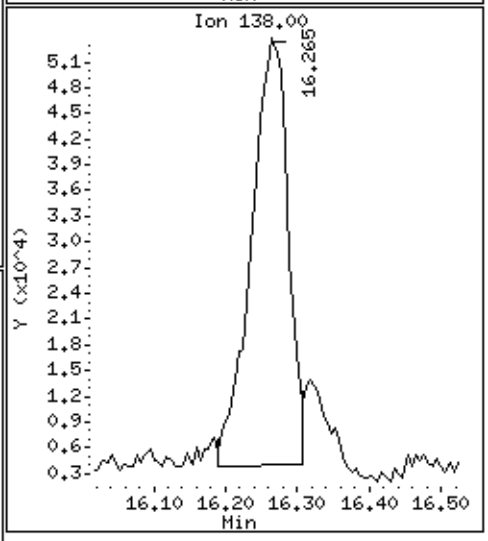
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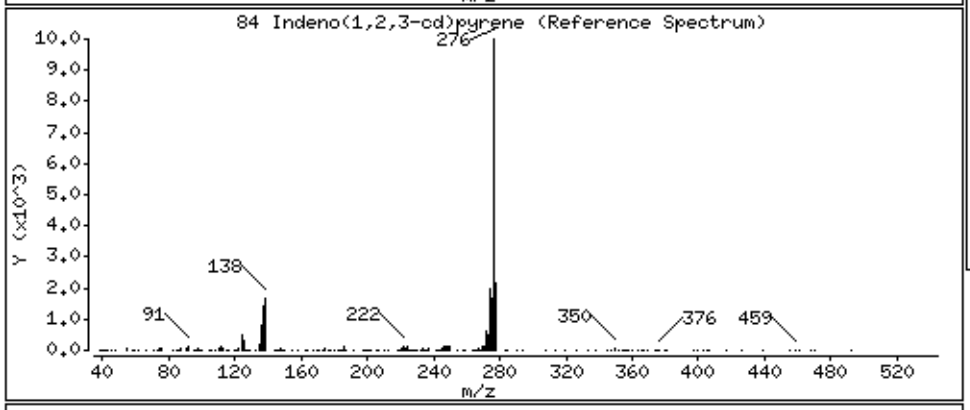
84 Indeno(1,2,3-cd)pyrene Concentration: 1900 ug/Kg

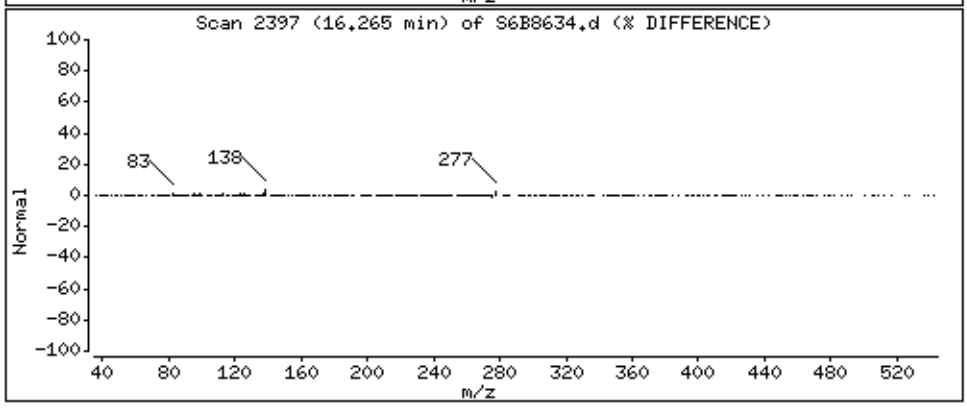












Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d

Date : 17-JUL-2014 17:46

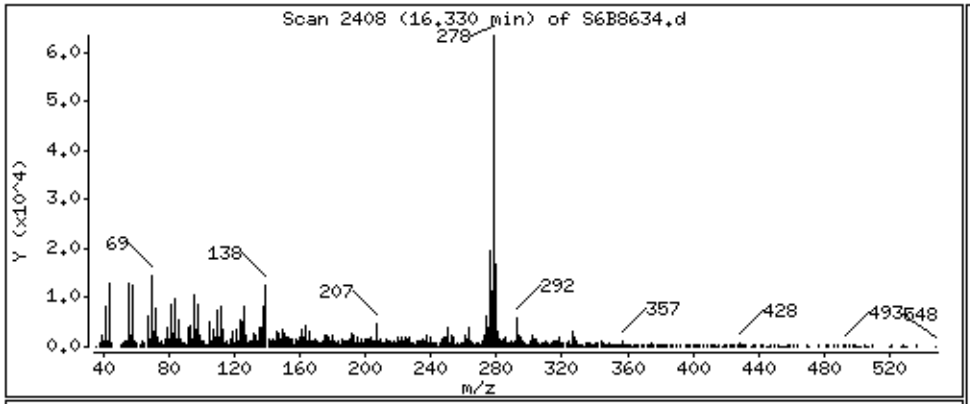
Client ID: SS-15-071014 Instrument: S6.i

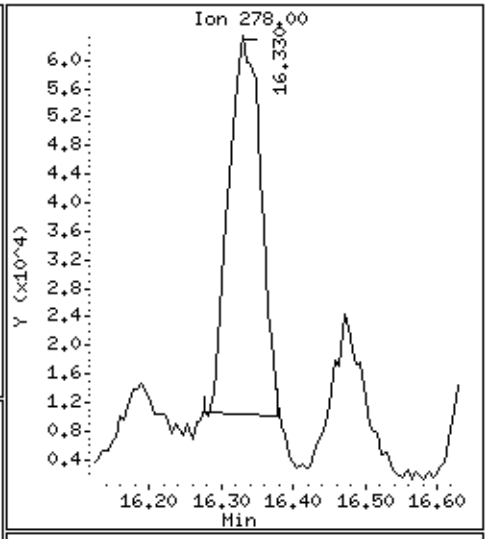
Sample Info: N1194-05A,,78074

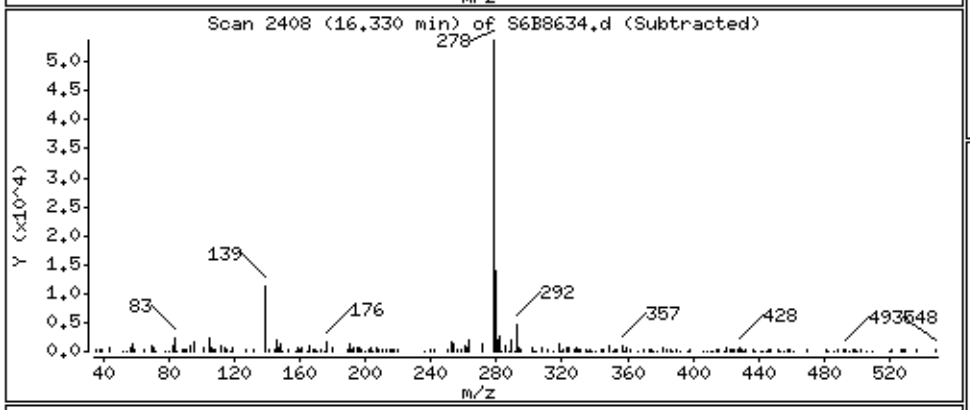
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

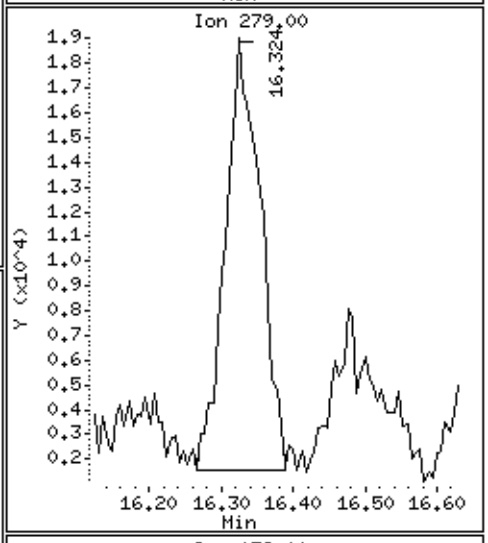
Column phase: Rxi-5Sil MS Column diameter: 0.25

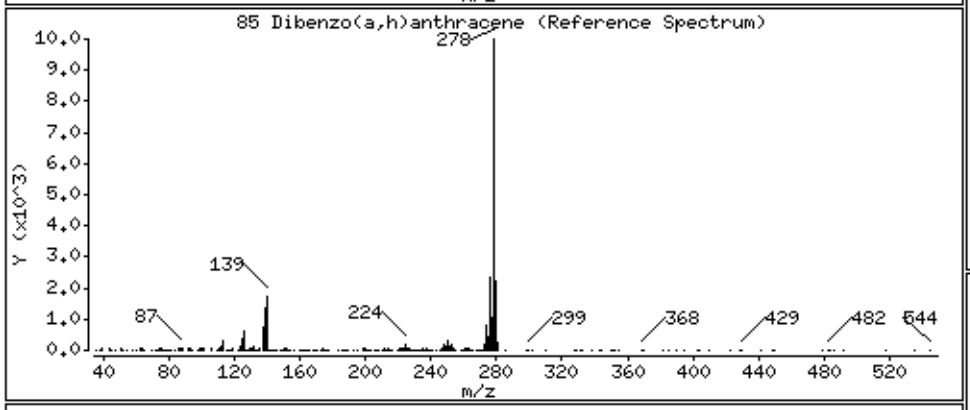
85 Dibenzo(a,h)anthracene Concentration: 360 ug/Kg

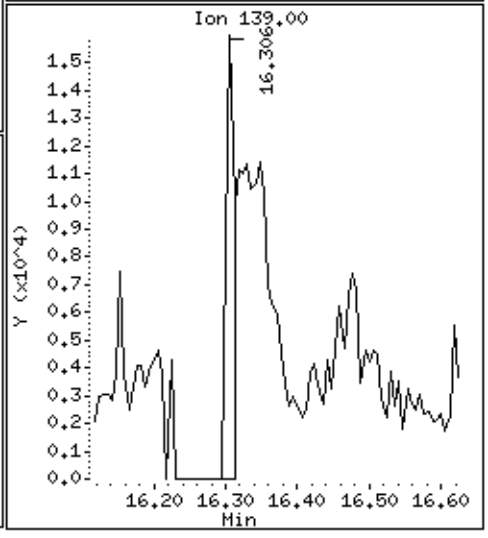


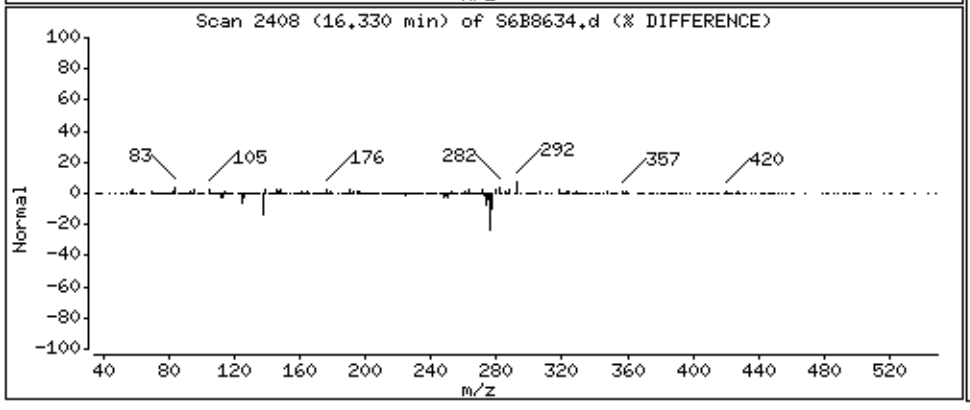












Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d

Date : 17-JUL-2014 17:46

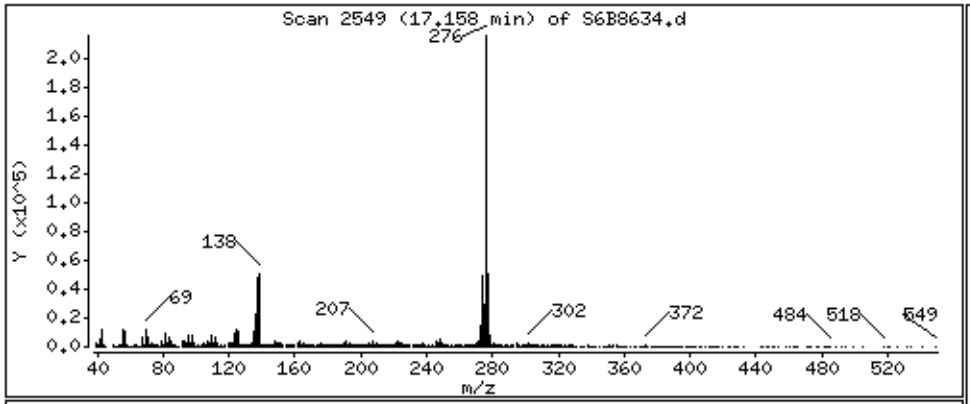
Client ID: SS-15-071014 Instrument: S6.i

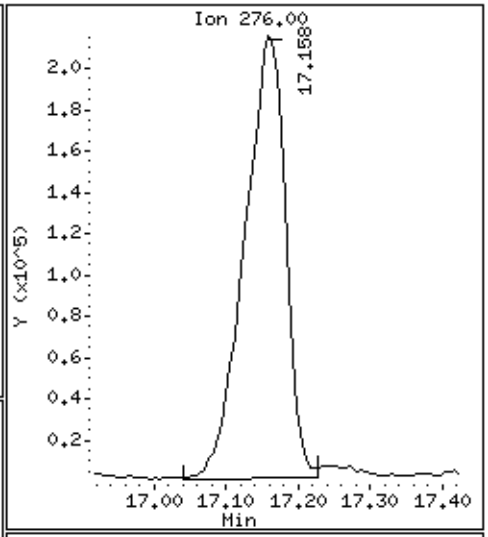
Sample Info: N1194-05A,,78074

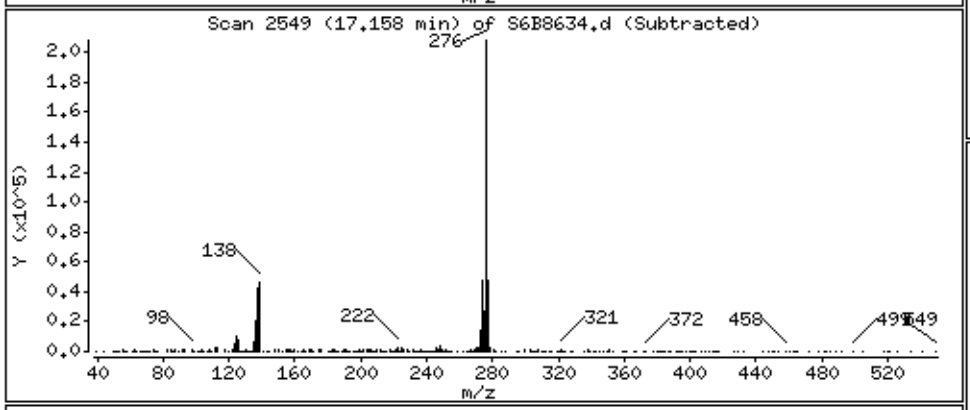
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

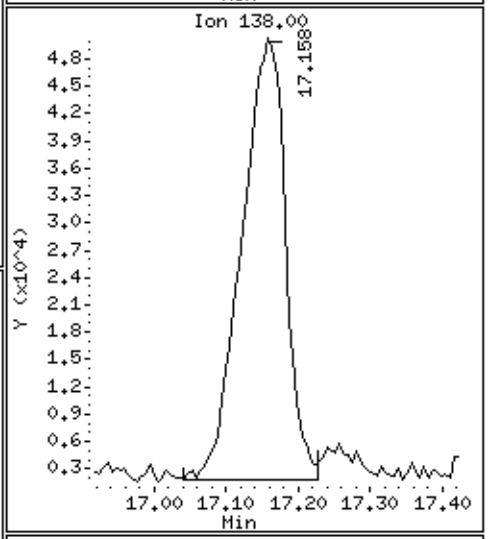
Column phase: Rxi-5Sil MS Column diameter: 0.25

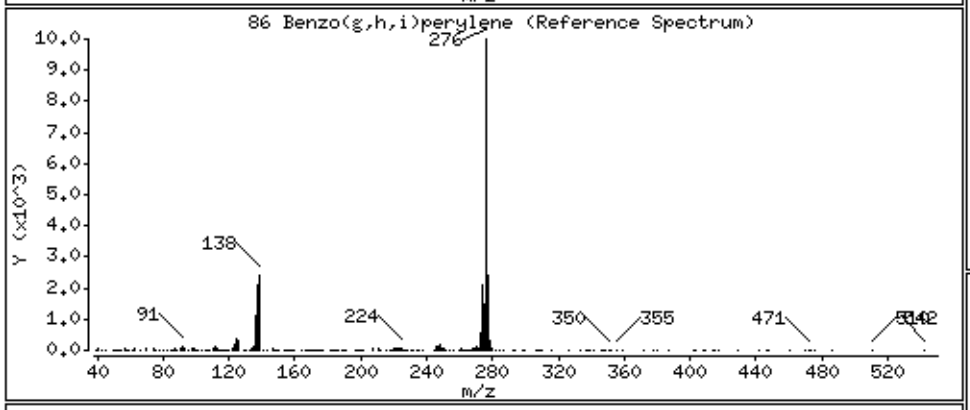
86 Benzo(g,h,i)perylene Concentration: 1700 ug/Kg

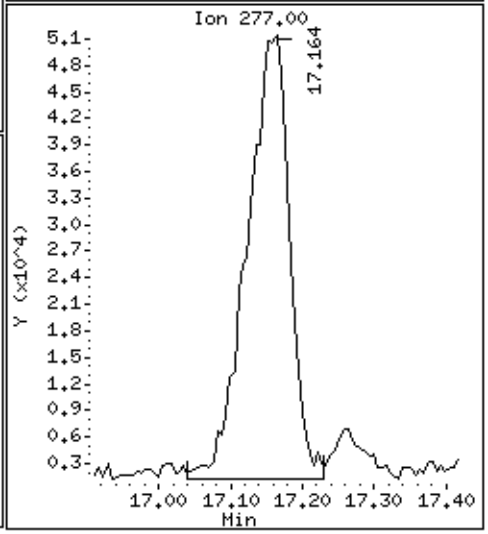


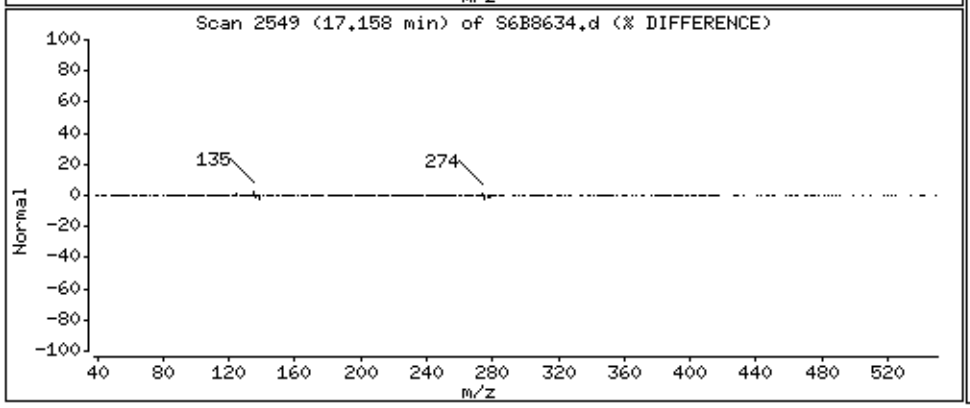








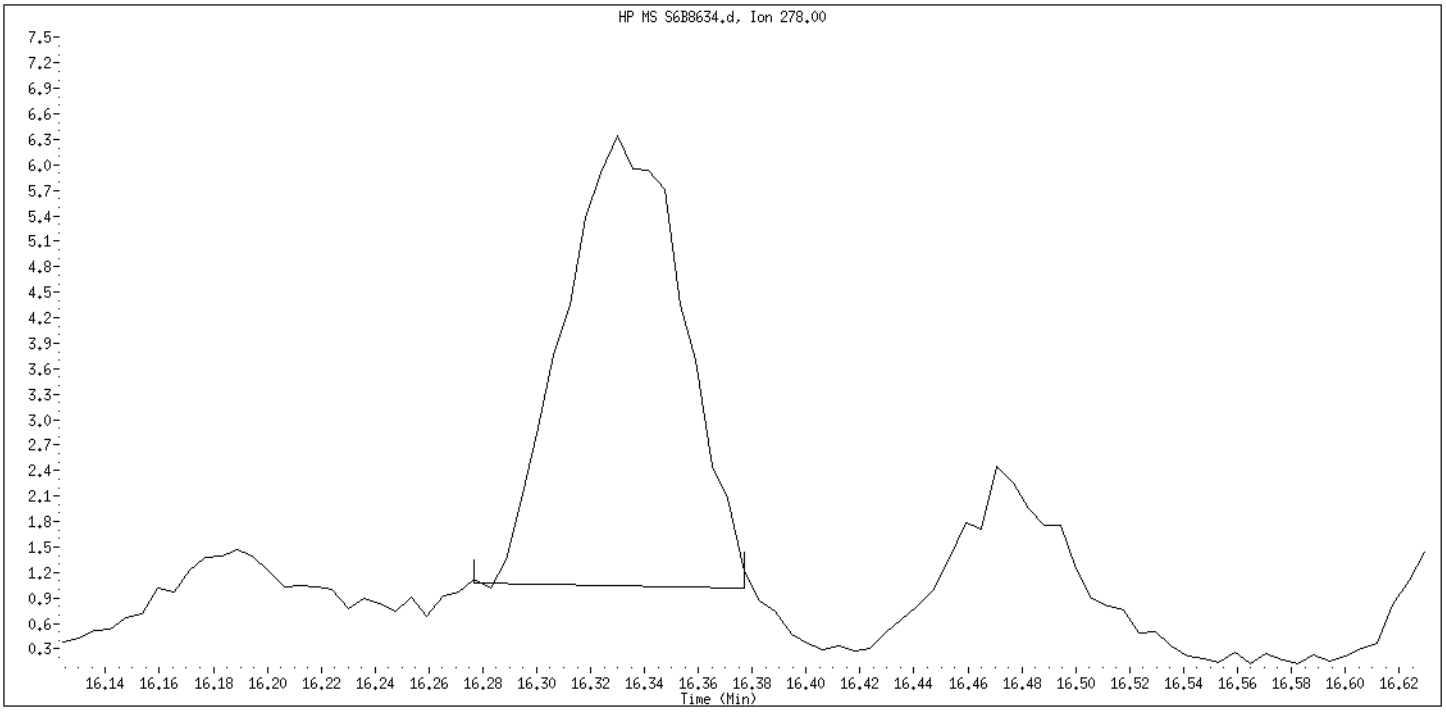




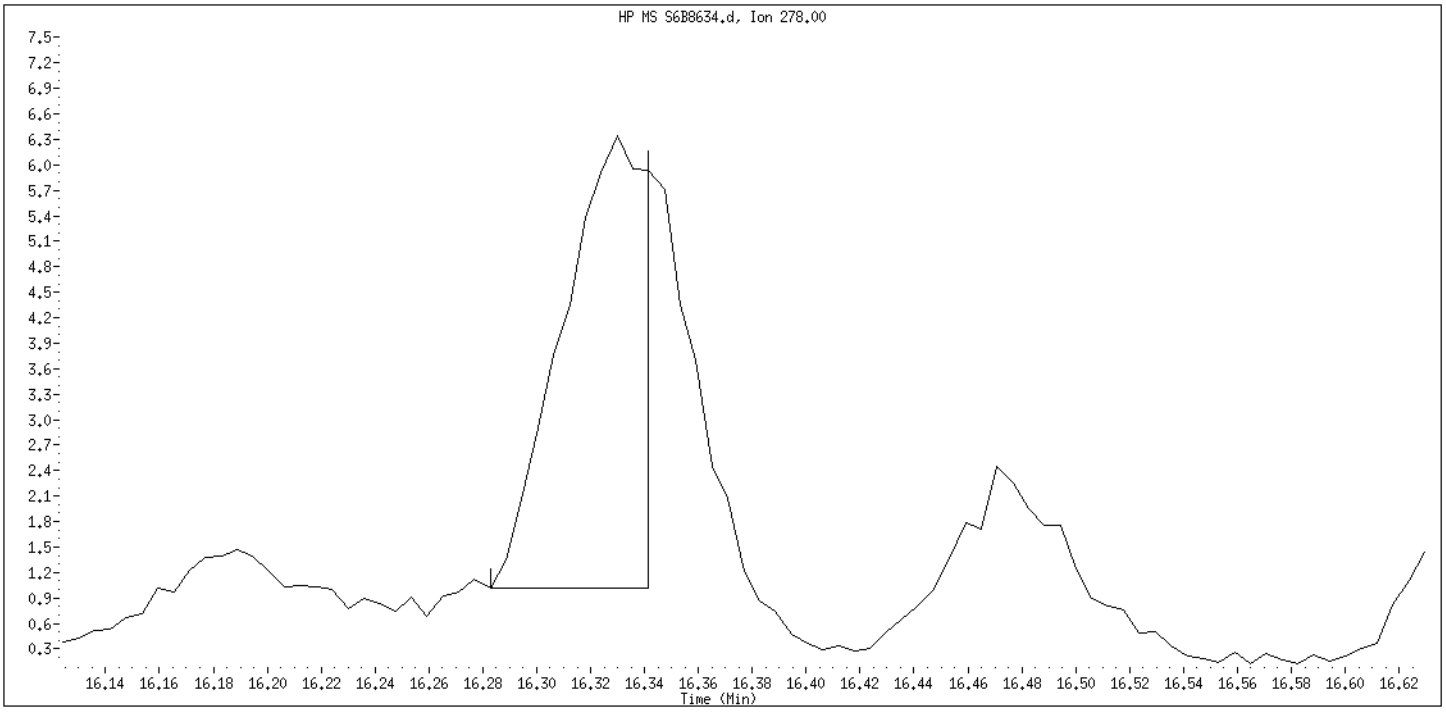
Manual Integration Report Data File: \\avogadro\organics\S6.I\140717.B\S6B8634.d

Lab ID: N1194-05A Client ID: SS-15-071014 Inj Vol: 1 uL
Inj Date: 17-JUL-2014 17:46 Operator: TM SRC: LIMS

Manual Integration Dibenzo(a,h)anthracene Ret Time: 16.330 min, Range: 16.277 to 16.377 min Response: 165226



Original Integration Dibenzo(a,h)anthracene Ret Time: 16.330 min, Range: 16.283 to 16.342 min Response: 119298



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-16-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-06A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S6B8635.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	750	
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	880	
86-73-7	Fluorene	430	
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	2900	
120-12-7	Anthracene	850	
206-44-0	Fluoranthene	3500	
129-00-0	Pyrene	2800	
56-55-3	Benzo(a)anthracene	2400	
218-01-9	Chrysene	2600	
205-99-2	Benzo(b)fluoranthene	3400	
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	2800	
193-39-5	Indeno(1,2,3-cd)pyrene	2400	
53-70-3	Dibenzo(a,h)anthracene	600	
191-24-2	Benzo(g,h,i)perylene	2100	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8635.d
Report Date: 18-Jul-2014 15:42

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8635.d
Lab Smp Id: N1194-06A Client Smp ID: SS-16-071014
Inj Date : 17-JUL-2014 18:09
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-06A,,78074
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.500	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.844	3.832	(0.775)	337383	35.9235	2300
$	5 Phenol-d5	99	4.660	4.655	(0.940)	416730	34.7573	2200
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	283537	40.0000	
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	413698	43.0050	2800
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	933317	40.0000	
	32 Naphthalene	128	6.053	6.053	(1.003)	232043	9.86666	640
	36 2-Methylnaphthalene	142	6.629	6.629	(1.098)	85030	5.22552	340(a)
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	848221	41.4299	2700
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	585040	40.0000	
	49 Acenaphthene	153	7.522	7.528	(1.003)	208023	11.6927	750
	52 Dibenzofuran	168	7.663	7.669	(1.022)	110988	4.56004	290(a)
	55 Fluorene	166	7.951	7.951	(1.060)	119993	5.72293	370(a)
$	60 2,4,6-Tribromophenol	330	8.150	8.156	(0.933)	107569	43.0924	2800
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1084292	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.002)	1133555	38.7157	2500
	66 Anthracene	178	8.791	8.797	(1.007)	337023	11.2975	730
	67 Carbazole	167	8.920	8.926	(1.022)	172053	6.41774	410(a)
	69 Fluoranthene	202	9.743	9.749	(1.116)	1532515	45.7346	3000
	71 Pyrene	202	9.937	9.949	(0.895)	1346161	36.4930	2400

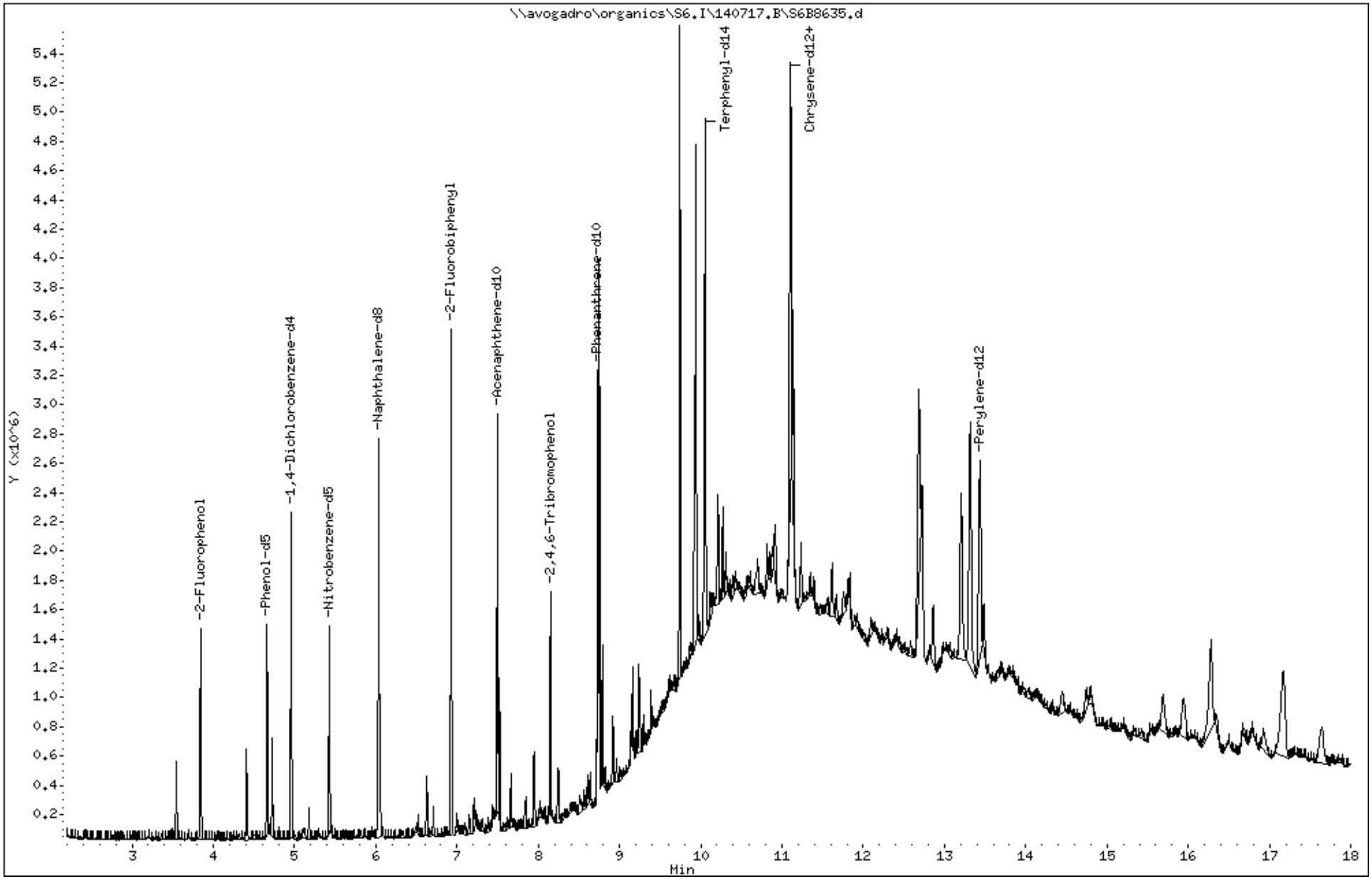
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Report Date: 18-Jul-2014 15:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	72 Terphenyl-d14	244	10.054	10.060	(0.905)	1036045	43.2423	2800
	75 Benzo(a)anthracene	228	11.094	11.112	(0.999)	1091889	31.9297	2000
*	76 Chrysene-d12	240	11.106	11.130	(1.000)	1197700	40.0000	
	77 Chrysene	228	11.141	11.159	(1.003)	1095460	34.9031	2200
	80 Benzo(b)fluoranthene	252	12.686	12.692	(0.944)	1721772	45.3195	2900
	81 Benzo(k)fluoranthene	252	12.728	12.745	(0.948)	754416	19.5573	1300
	82 Benzo(a)pyrene	252	13.315	13.327	(0.991)	1335399	36.8415	2400
*	83 Perylene-d12	264	13.433	13.450	(1.000)	1292233	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	16.282	16.277	(1.212)	986422	31.1892	2000
	85 Dibenzo(a,h)anthracene	278	16.347	16.376	(1.217)	243172	7.90263	510(a)
	86 Benzo(g,h,i)perylene	276	17.175	17.170	(1.279)	915272	28.0233	1800

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\avogadro\organics\S6.I\140717.B\S6B8635.d
Date : 17-JUL-2014 18:09
Client ID: SS-16-071014
Instrument: S6.i
Sample Info: N1194-06A,,78074
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8635.d

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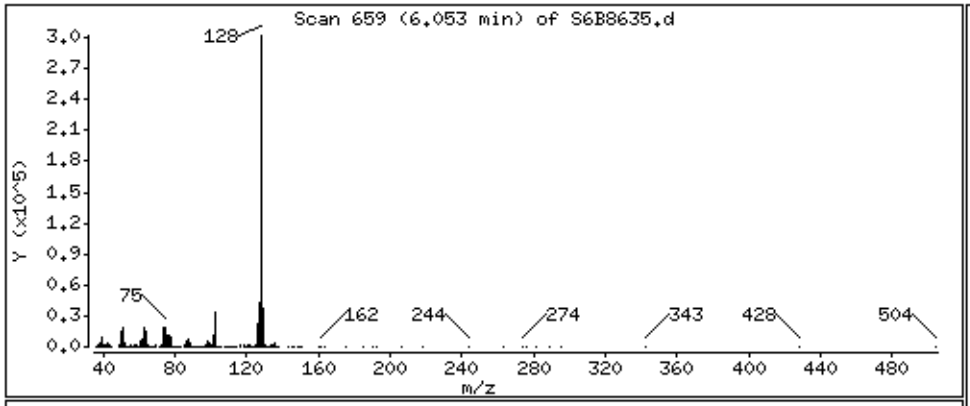
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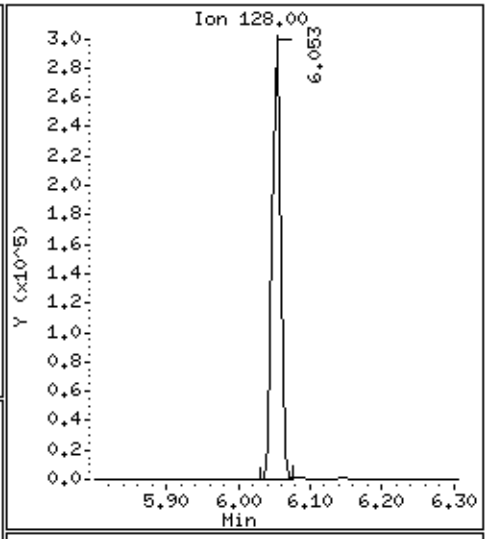
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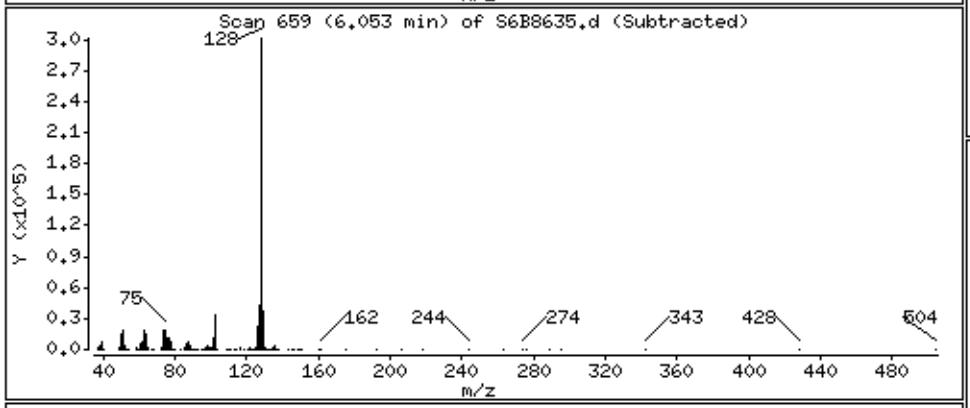
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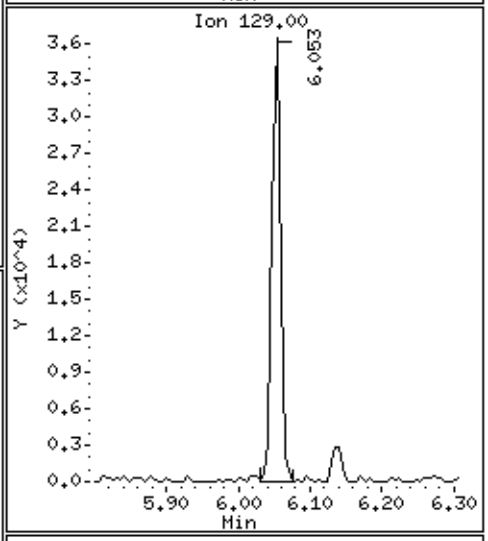
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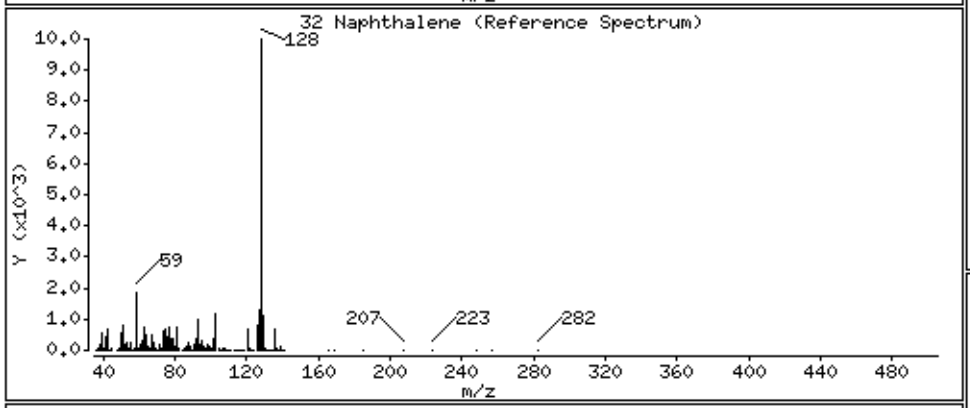
32 Naphthalene Concentration: 640 ug/Kg

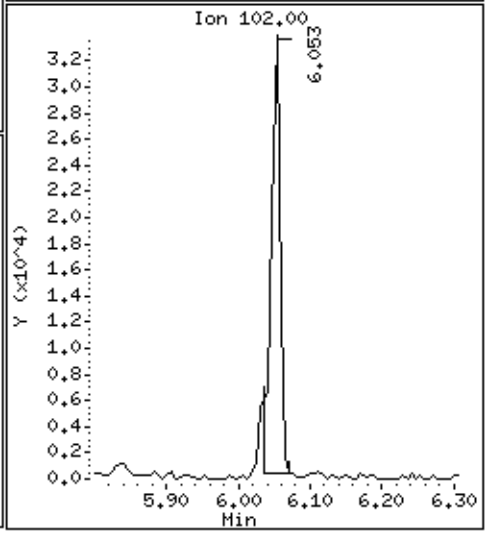


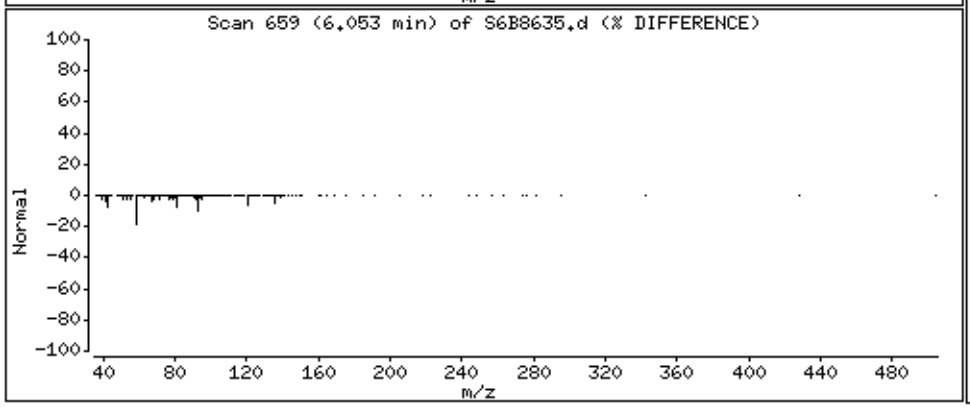












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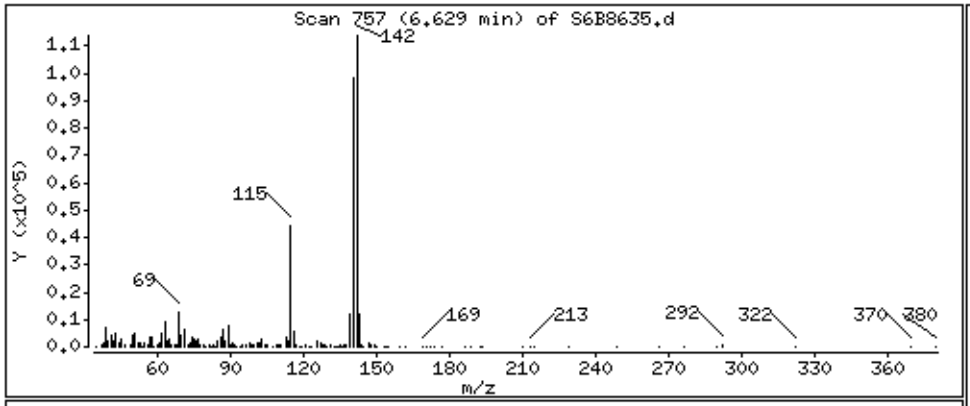
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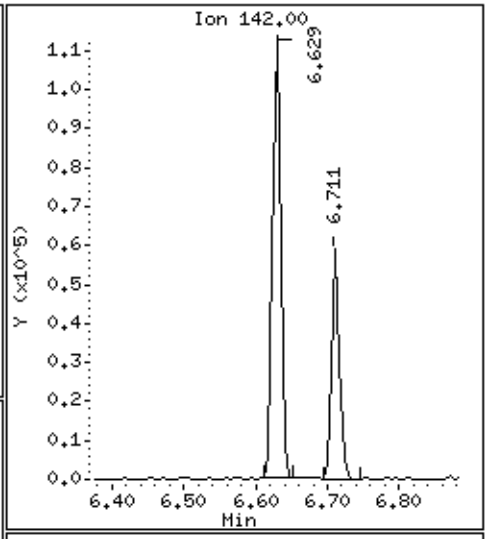
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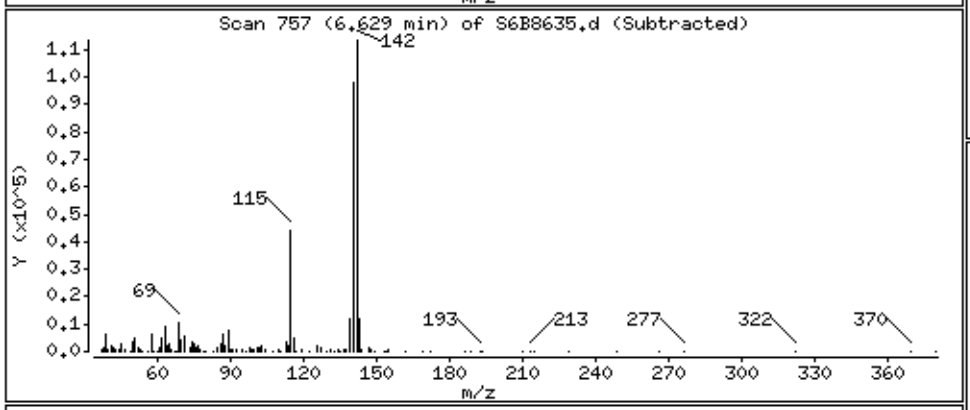
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

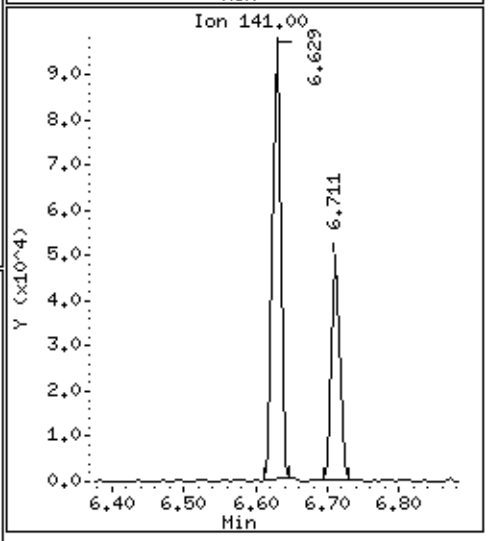
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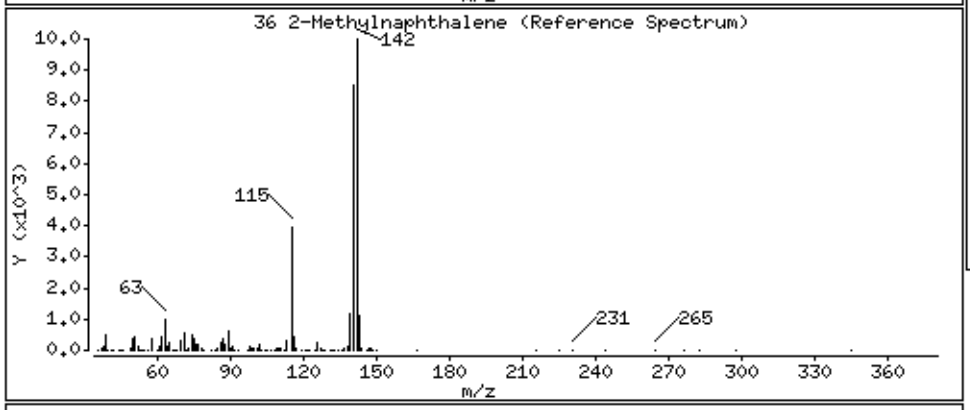
36 2-Methylnaphthalene Concentration: 340 ug/Kg

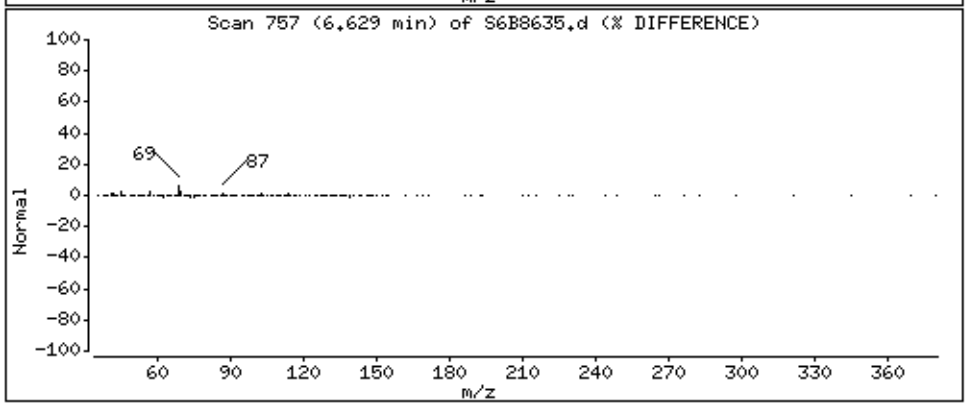












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Date : 17-JUL-2014 18:09

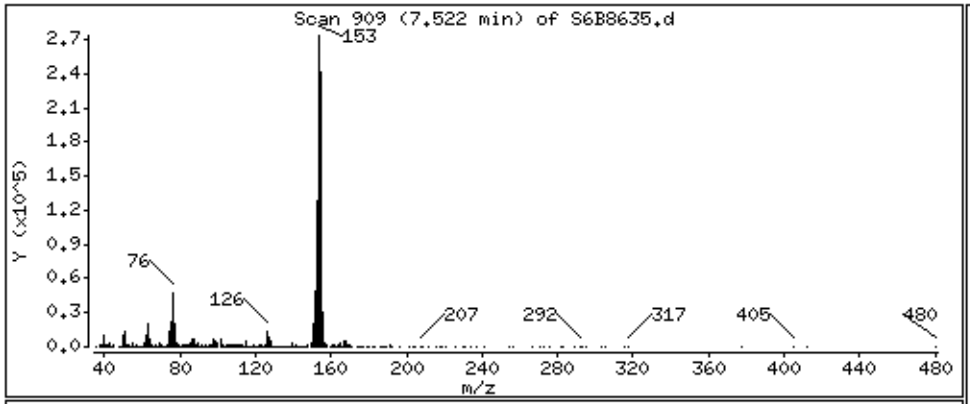
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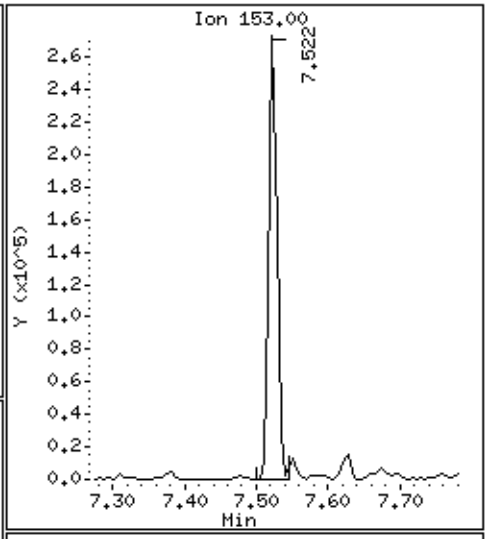
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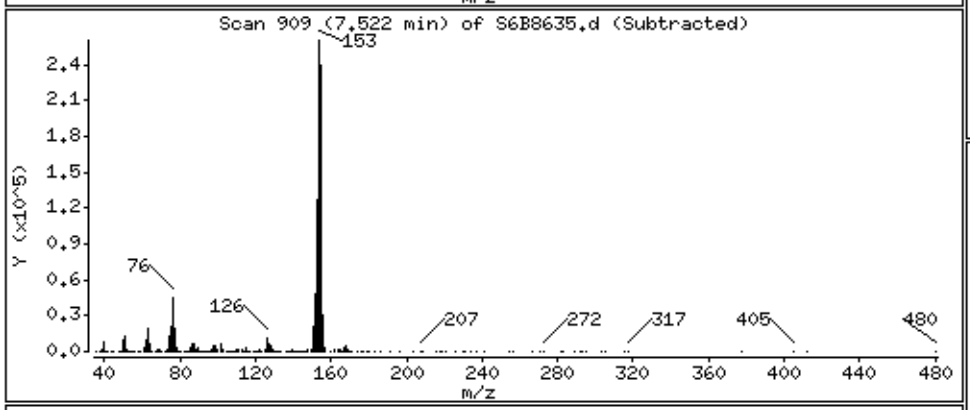
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

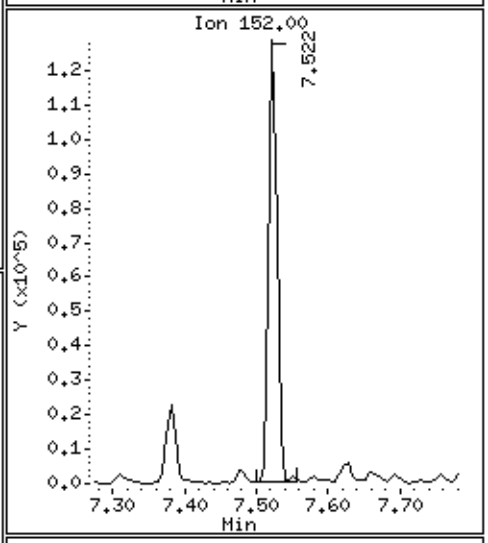
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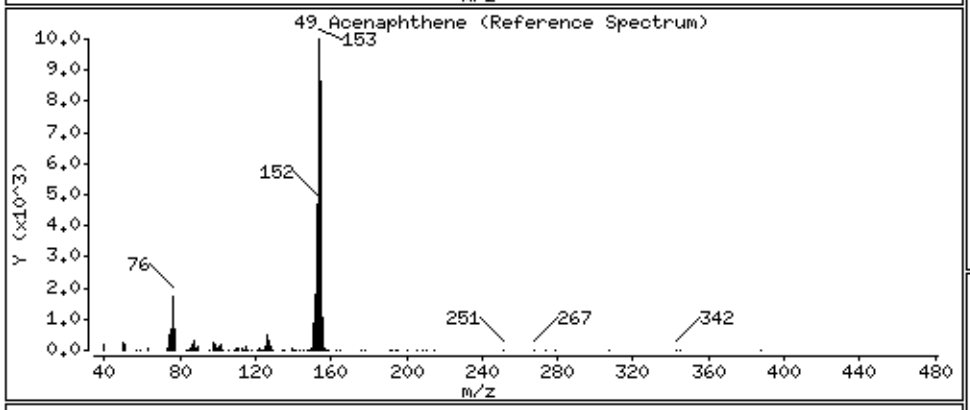
49 Acenaphthene Concentration: 750 ug/Kg

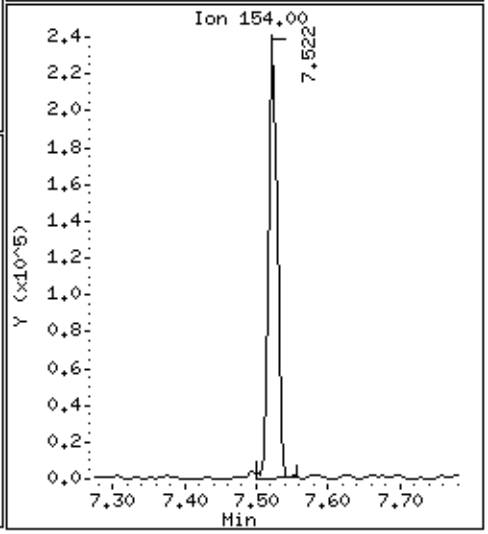


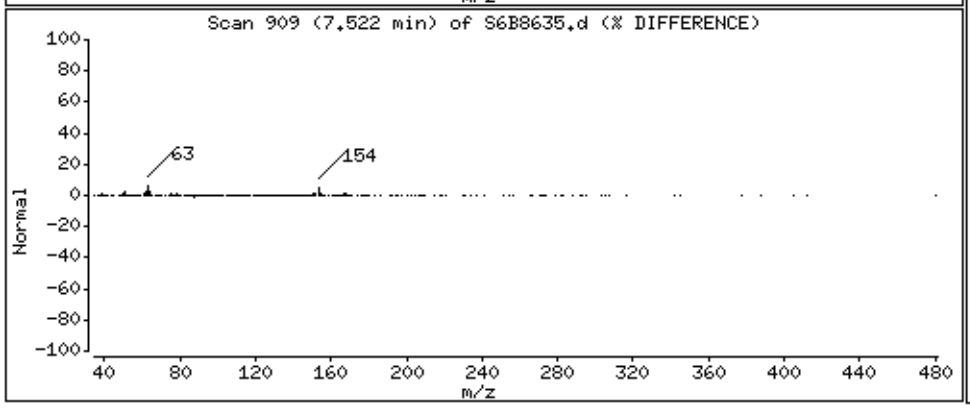












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Date : 17-JUL-2014 18:09

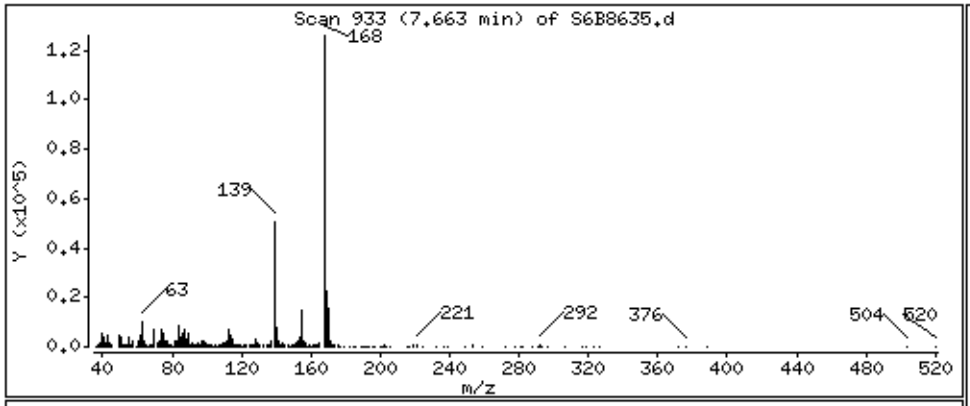
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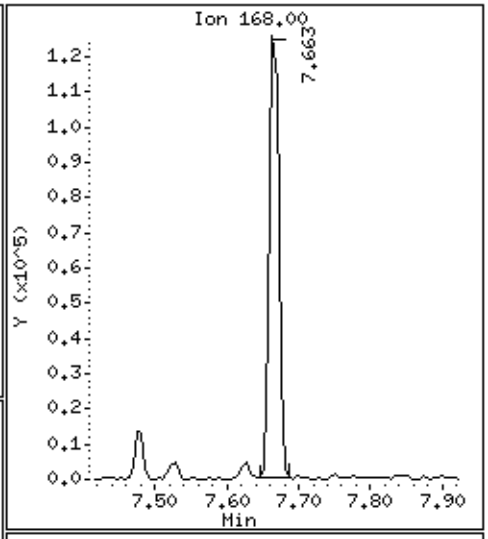
Sample Info: N1194-06A,,78074

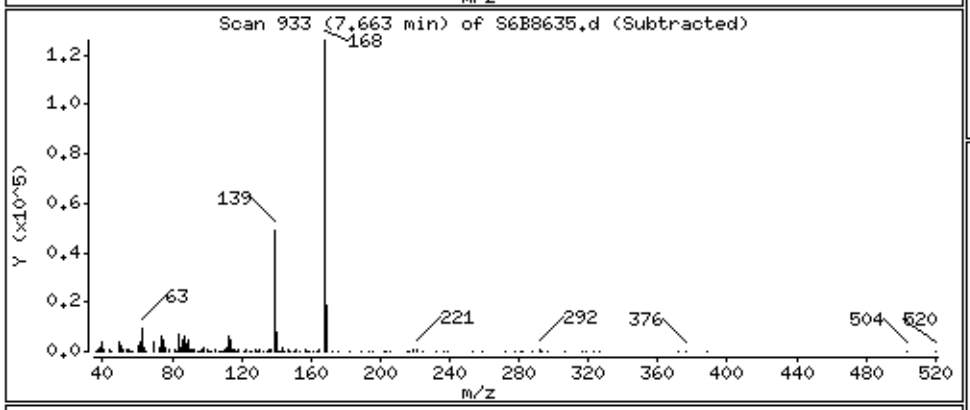
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

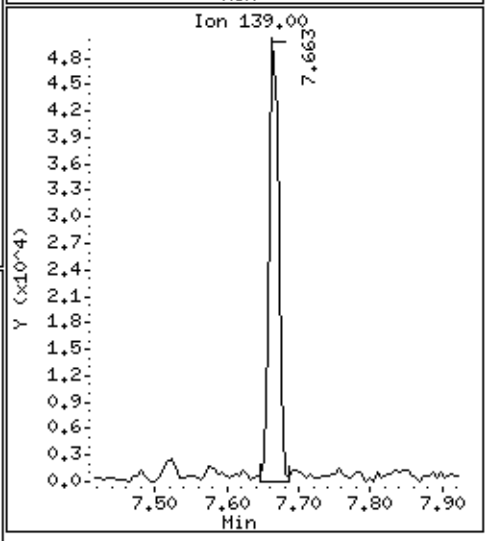
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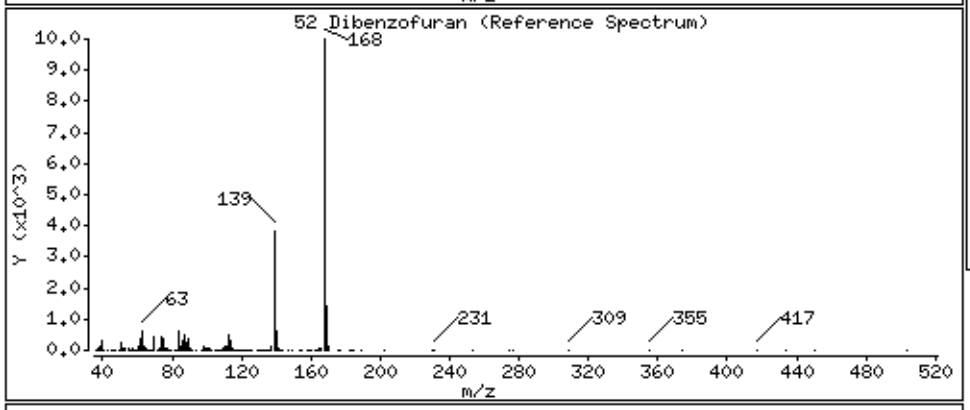
52 Dibenzofuran Concentration: 290 ug/Kg

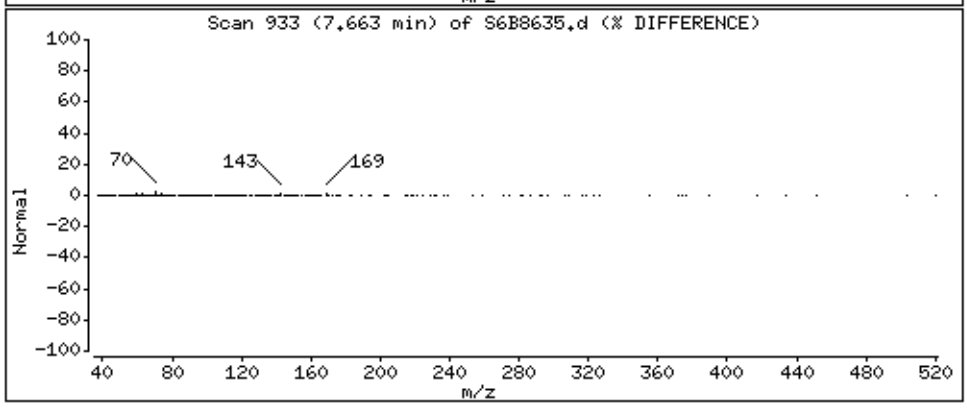












Data File: \\avogadro\organics\S6.I\140717.B\S6B8635.d

Date : 17-JUL-2014 18:09

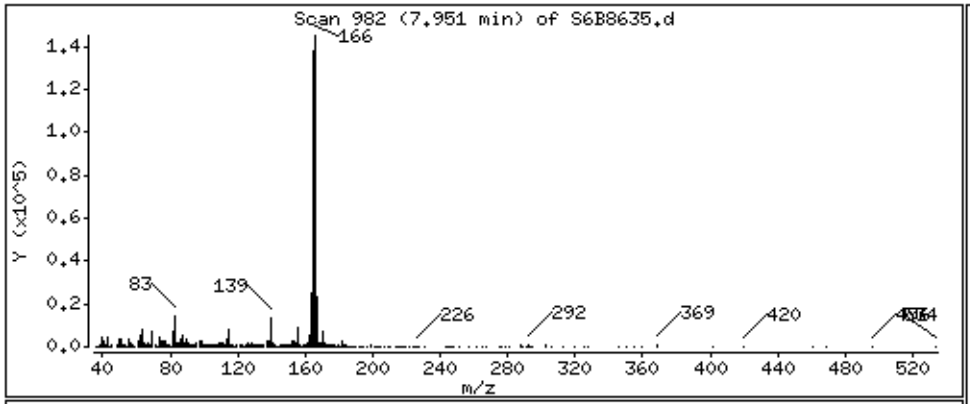
Client ID: SS-16-071014 Instrument: S6.i

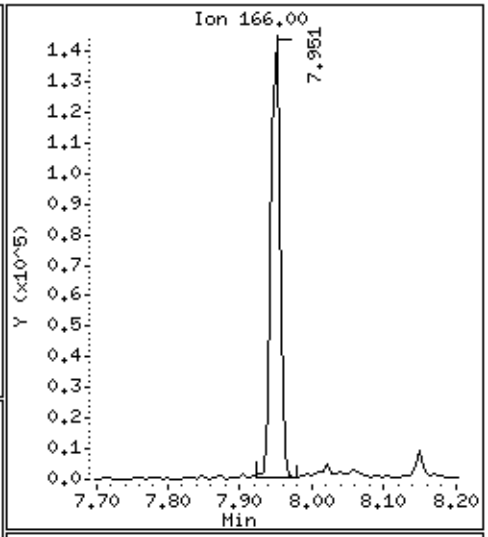
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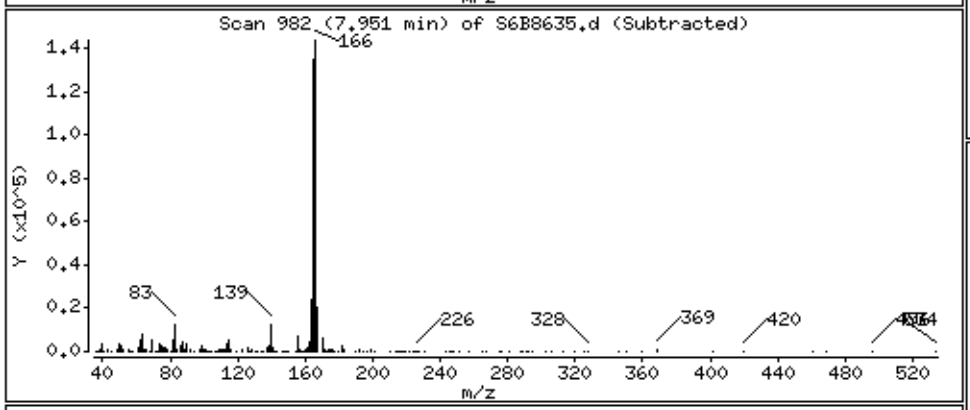
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

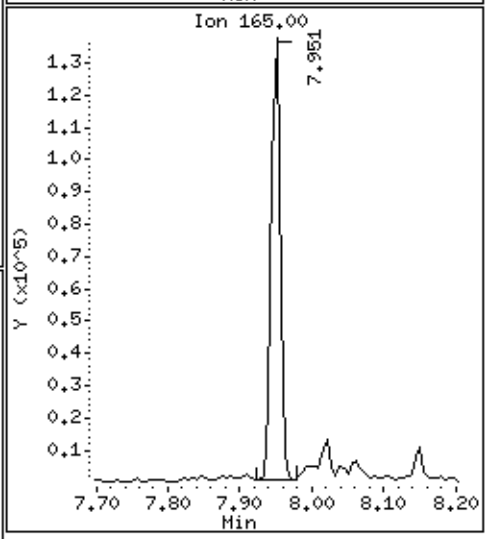
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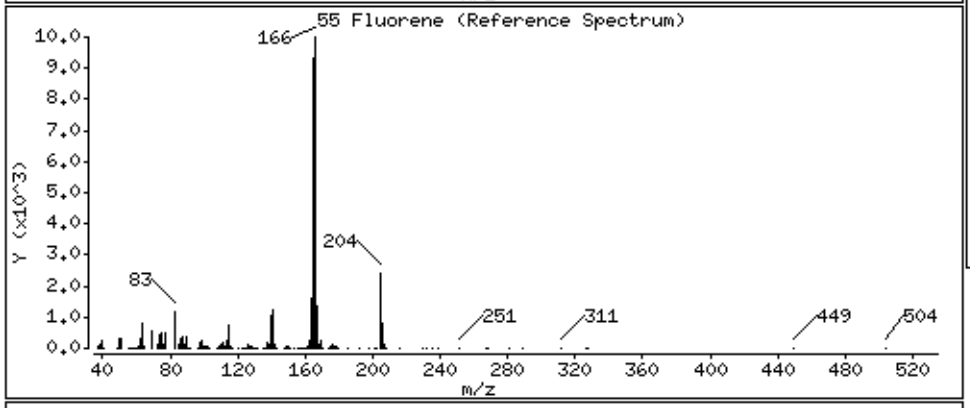
55 Fluorene Concentration: 370 ug/Kg

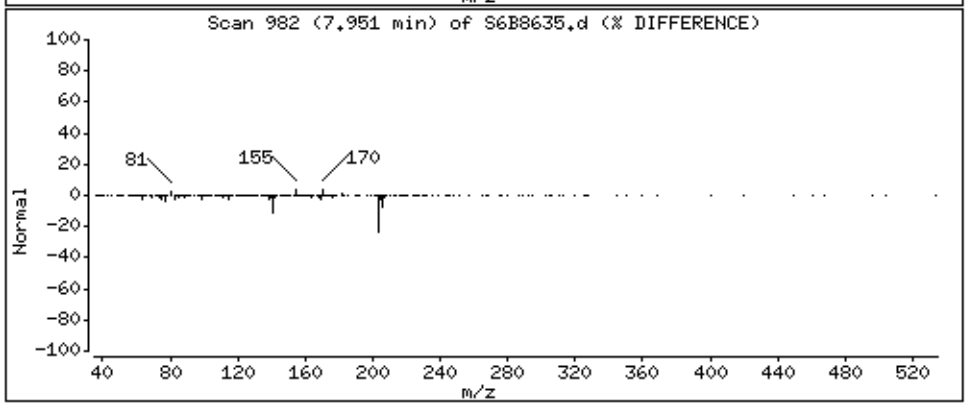












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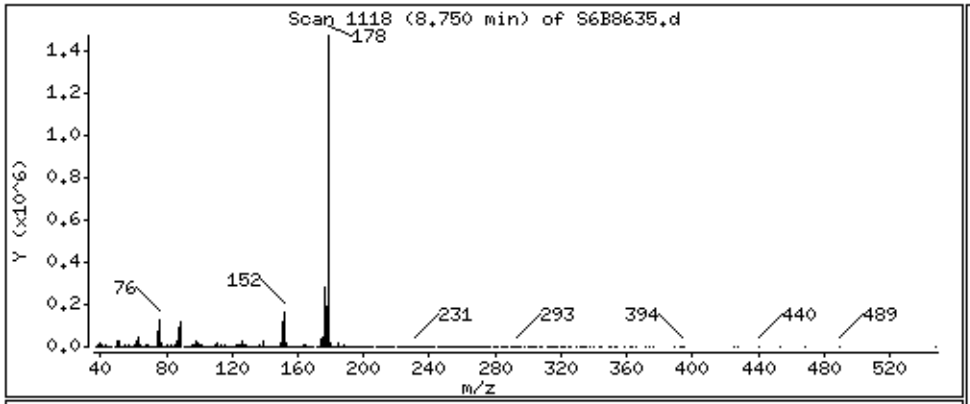
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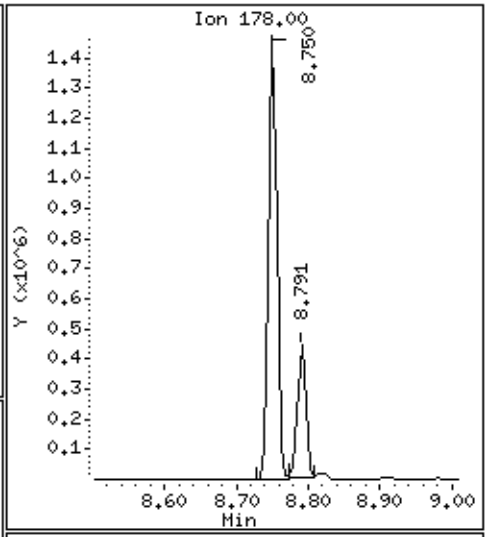
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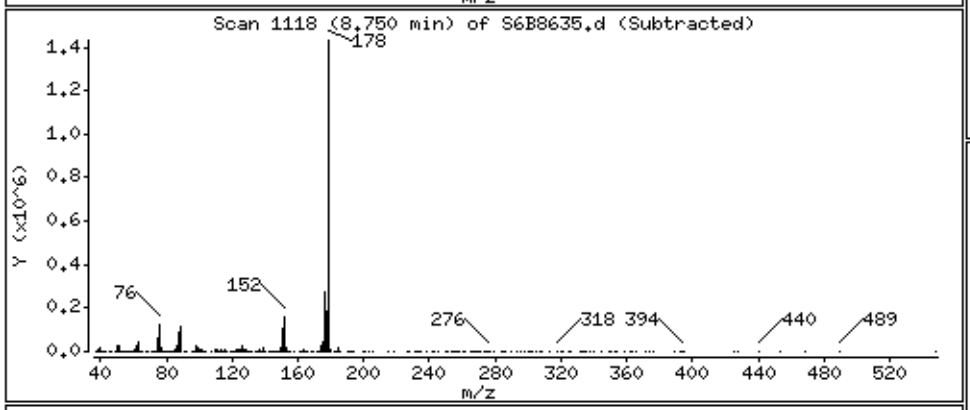
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

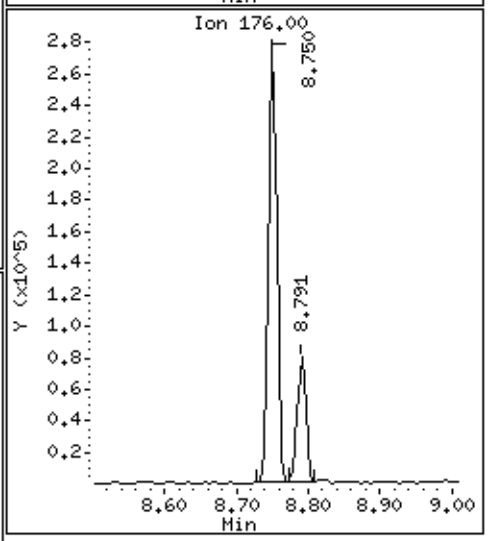
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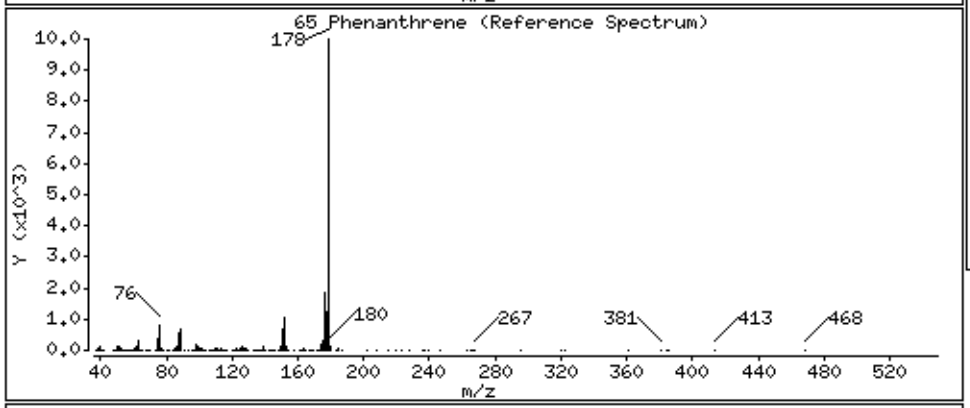
65 Phenanthrene Concentration: 2500 ug/Kg

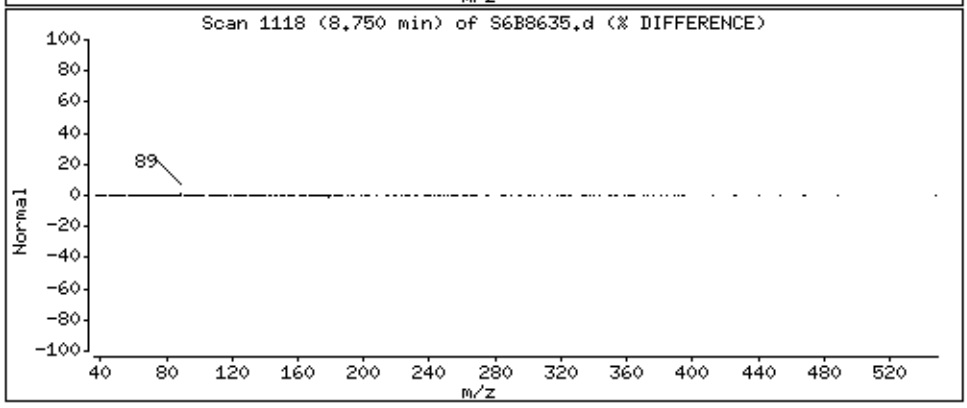












Data File: \\avogadro\organics\S6.I\140717.B\S6B8635.d

Date : 17-JUL-2014 18:09

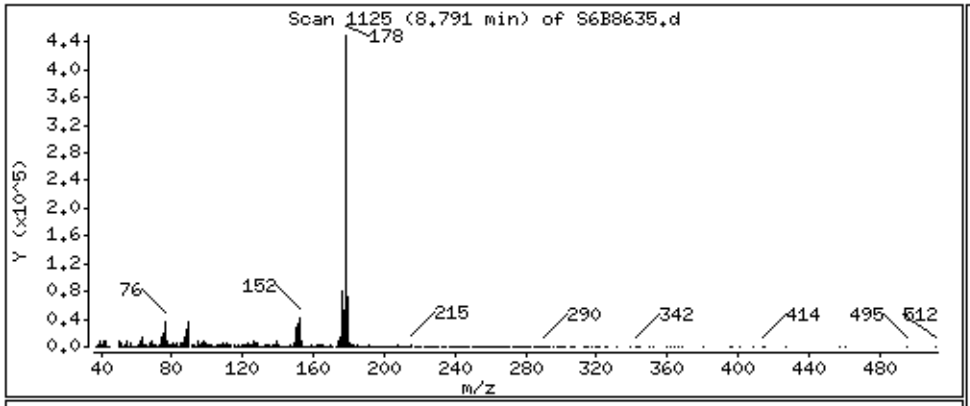
Client ID: SS-16-071014 Instrument: S6.i

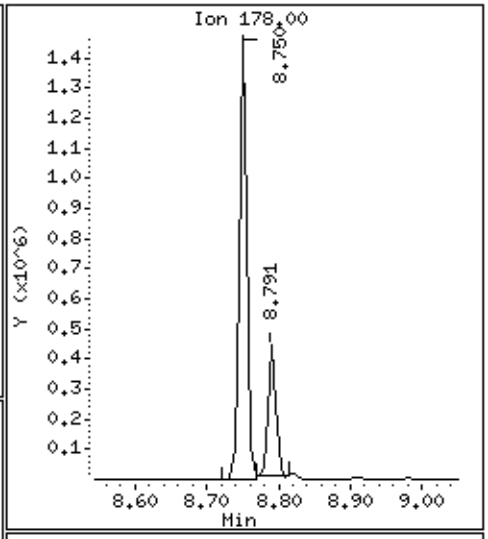
Sample Info: N1194-06A,,78074

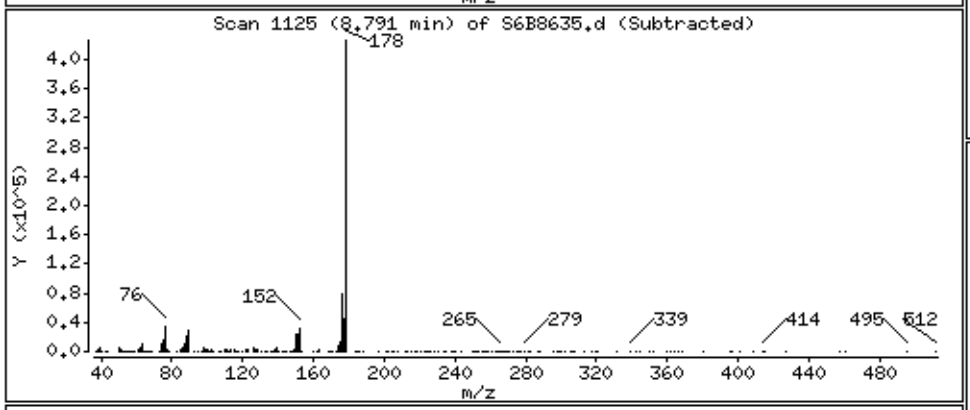
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

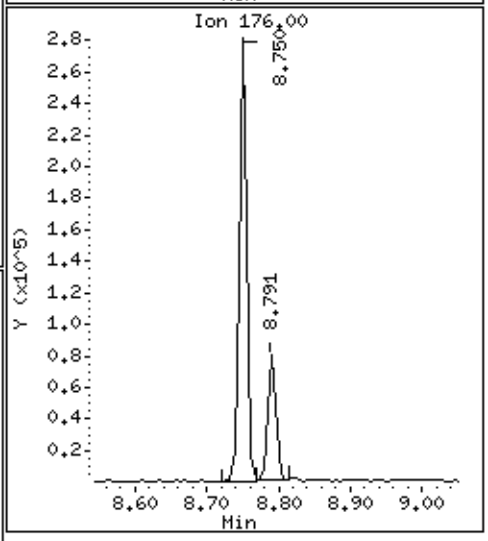
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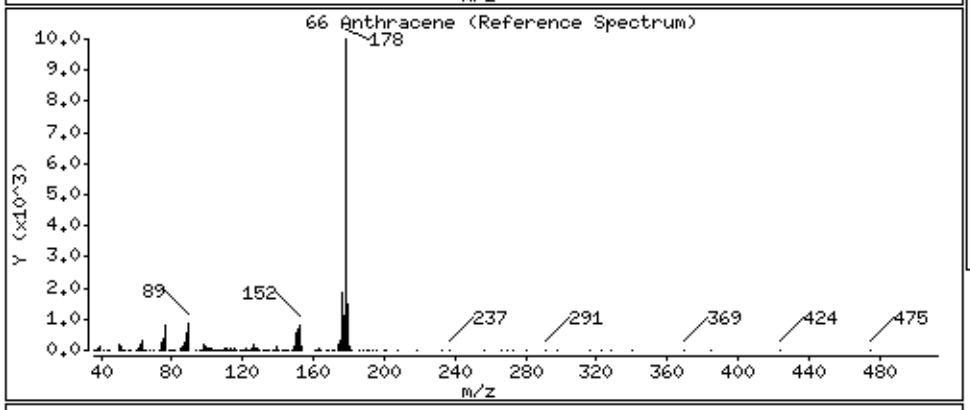
66 Anthracene Concentration: 730 ug/Kg

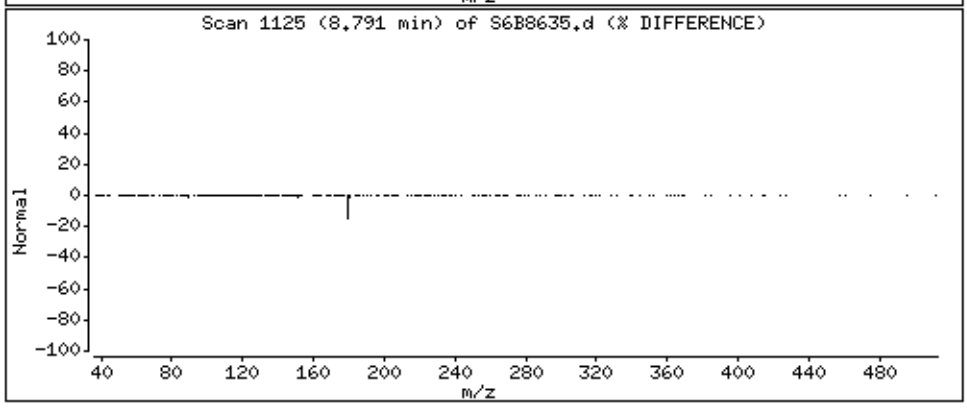












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Date : 17-JUL-2014 18:09

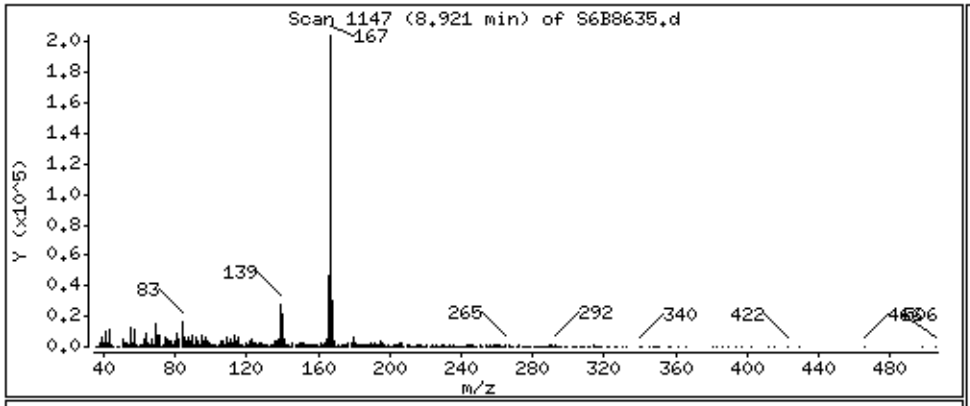
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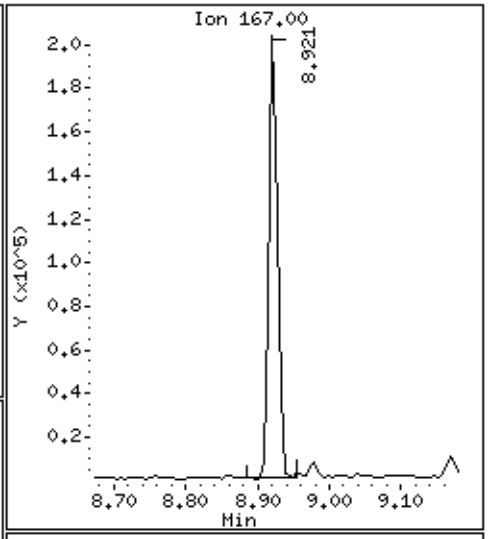
Sample Info: N1194-06A,,78074

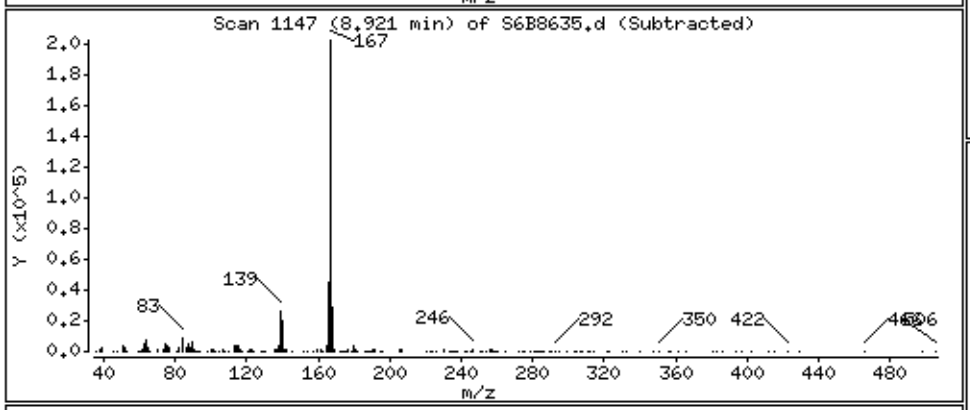
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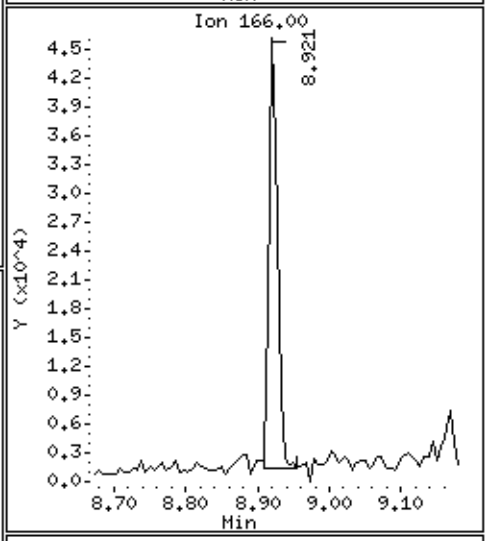
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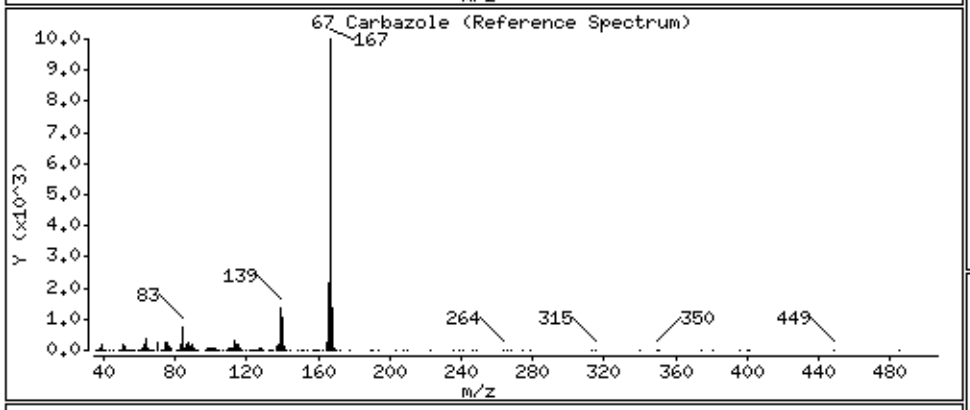
67 Carbazole Concentration: 410 ug/Kg

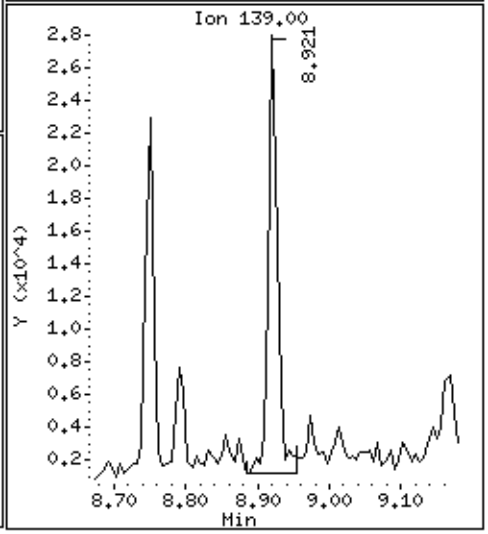


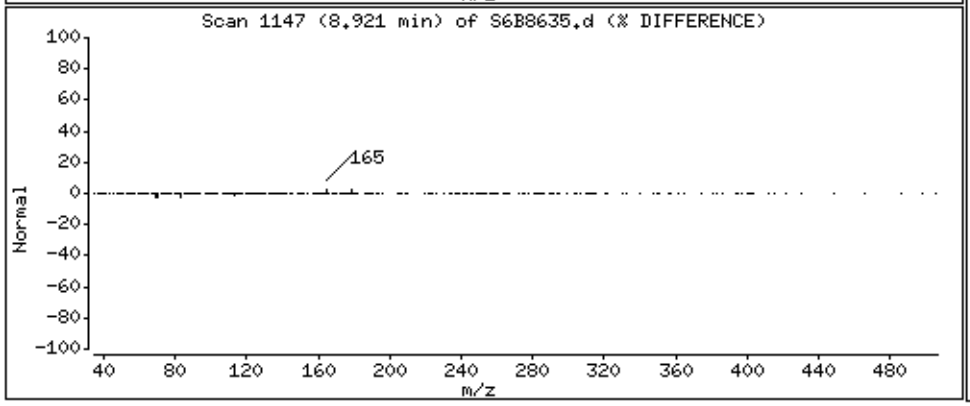












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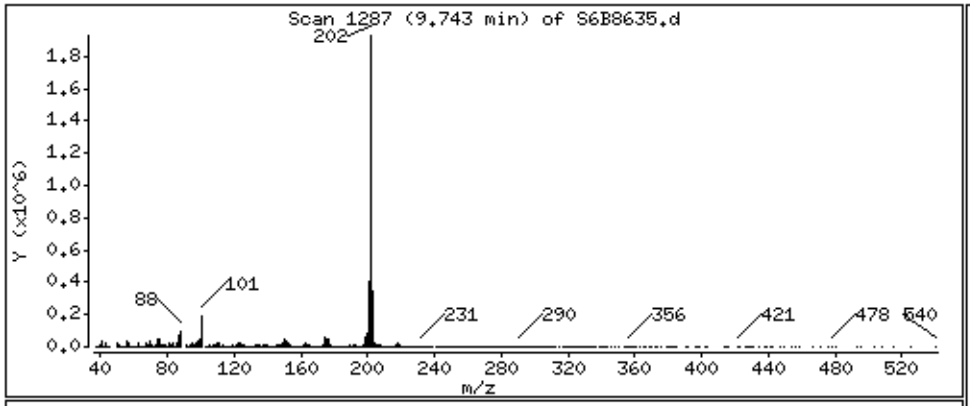
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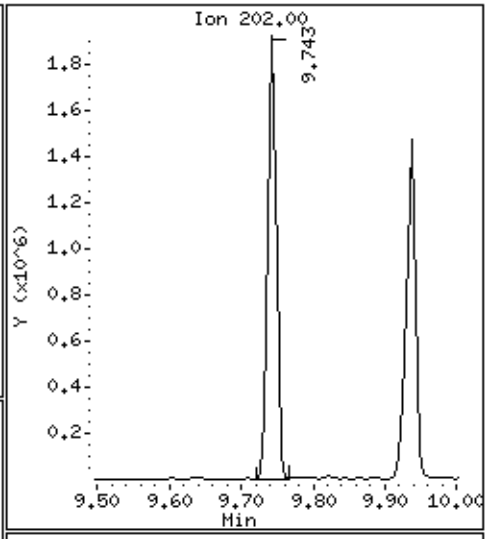
Sample Info: N1194-06A,,78074

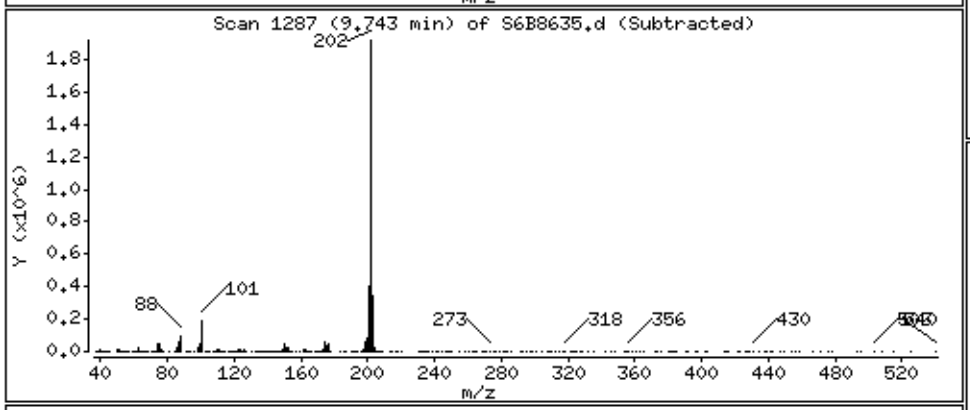
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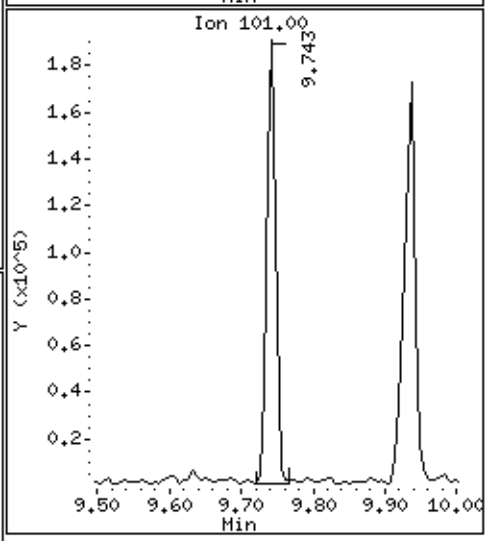
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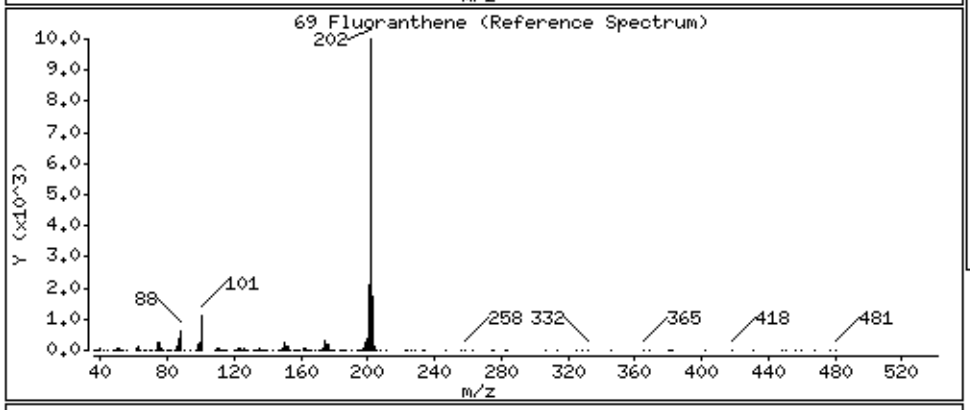
69 Fluoranthene Concentration: 3000 ug/Kg

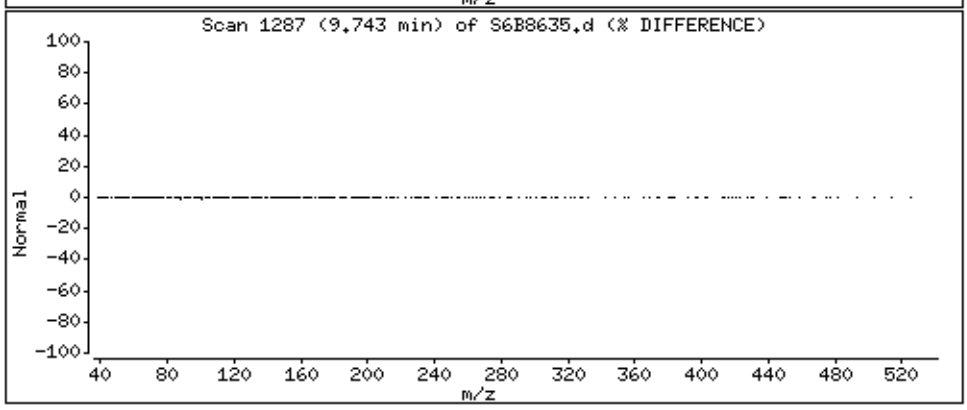












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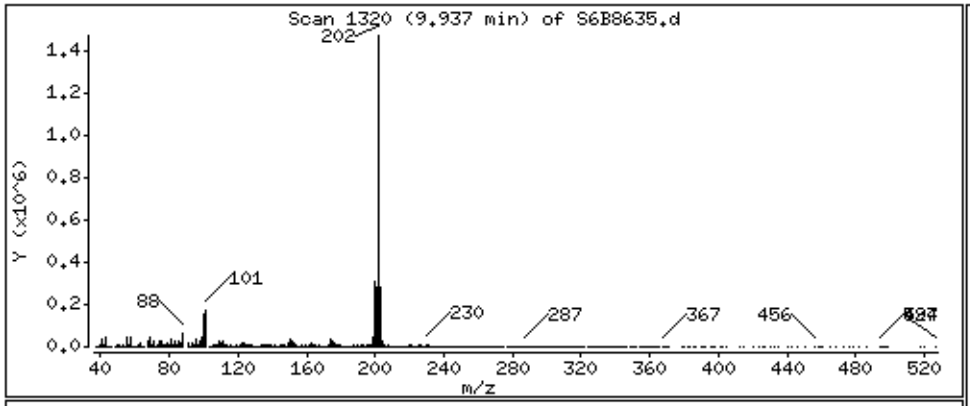
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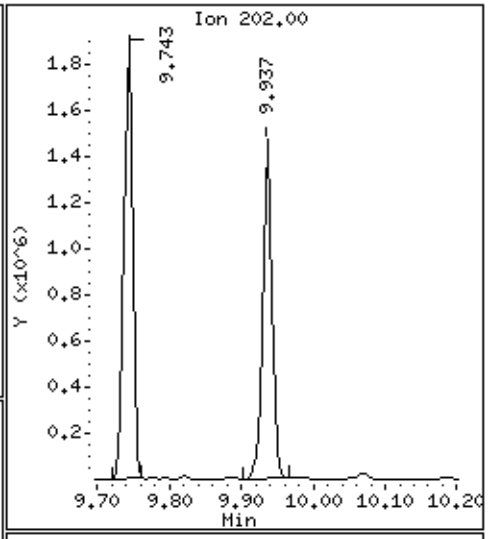
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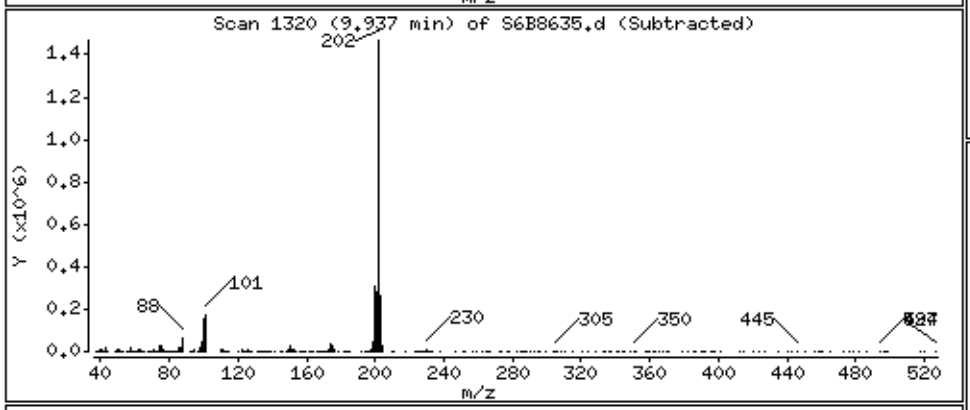
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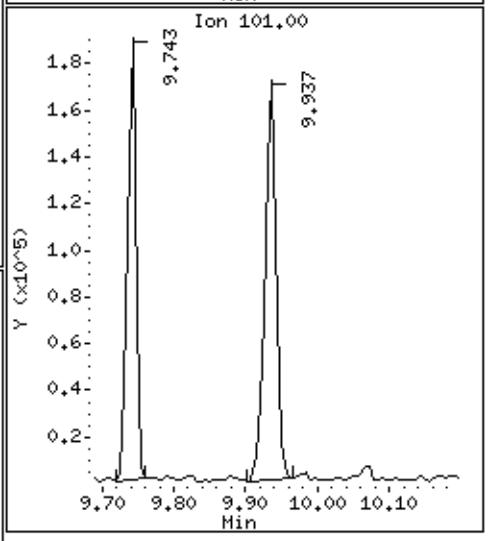
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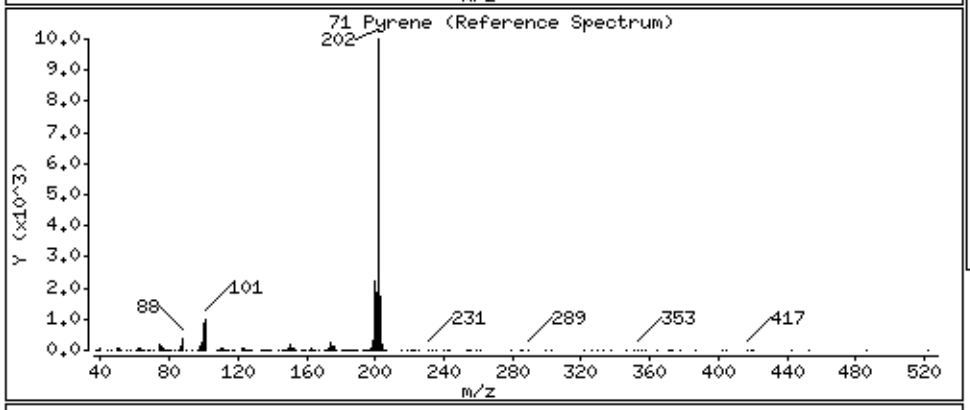
71 Pyrene Concentration: 2400 ug/Kg

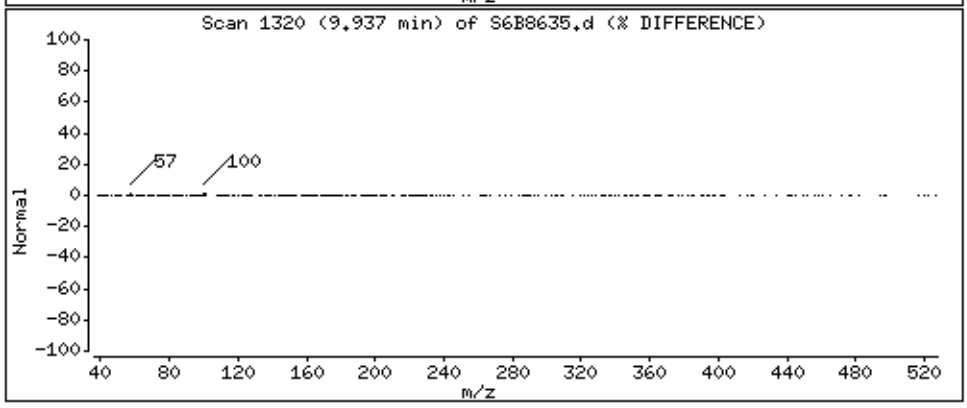












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Date : 17-JUL-2014 18:09

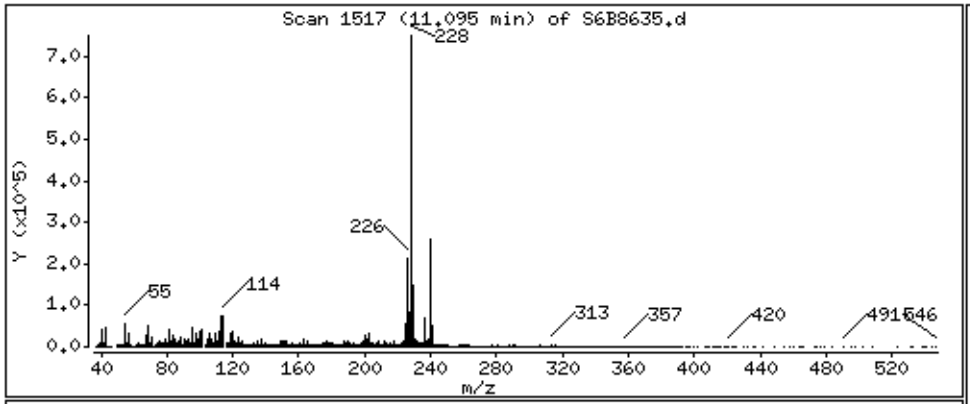
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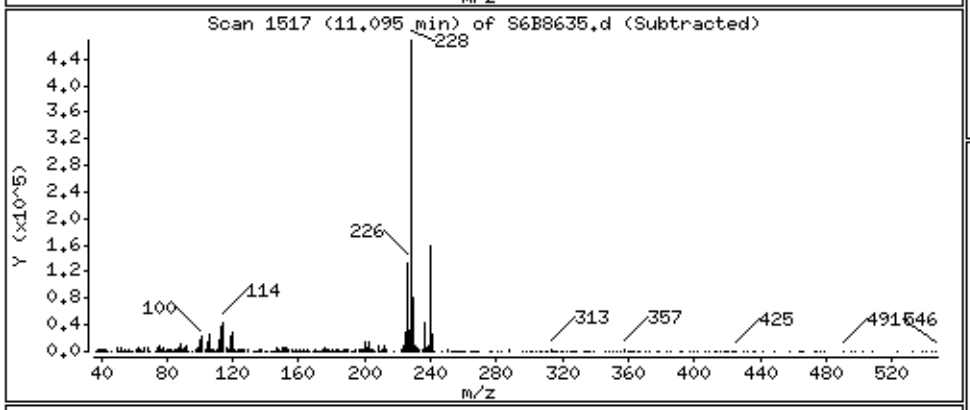
Sample Info: N1194-06A,,78074

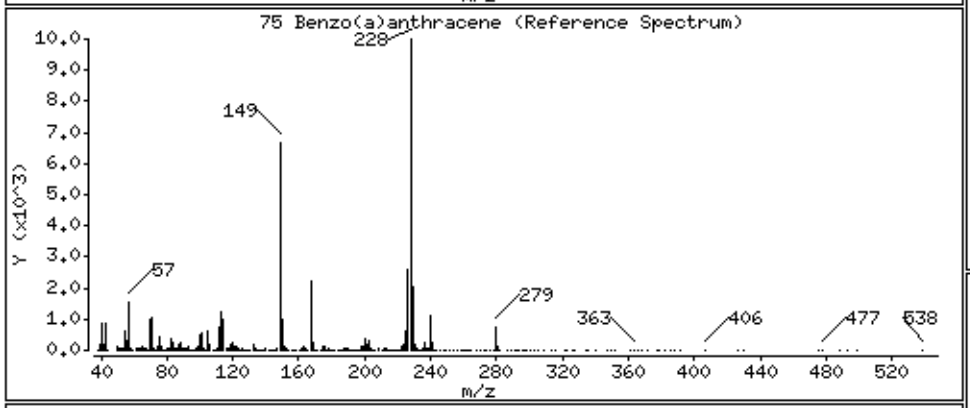
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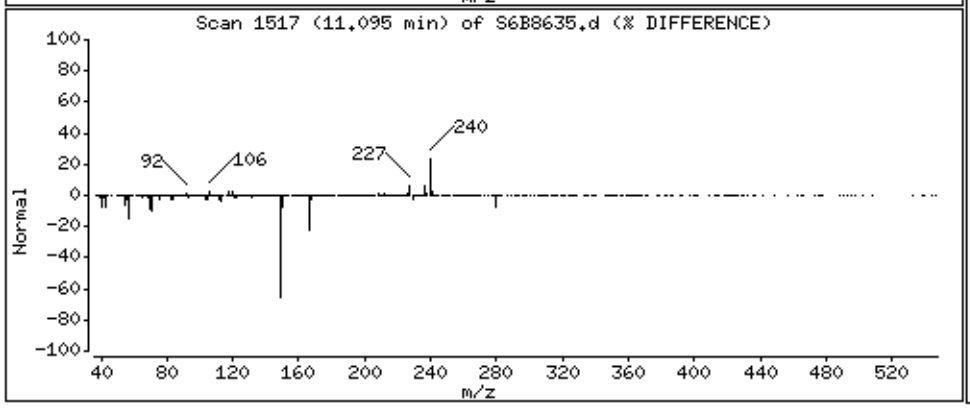
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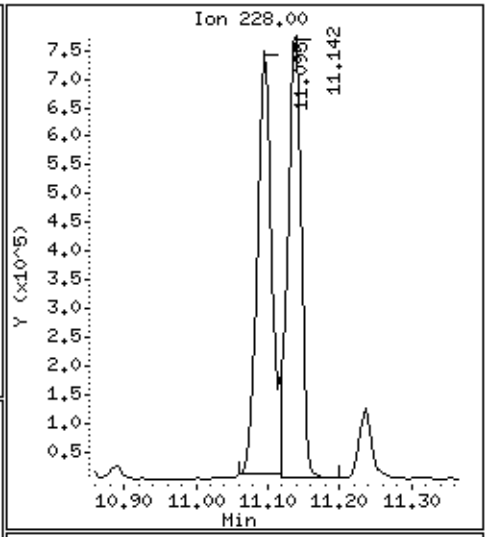
75 Benzo(a)anthracene Concentration: 2000 ug/Kg

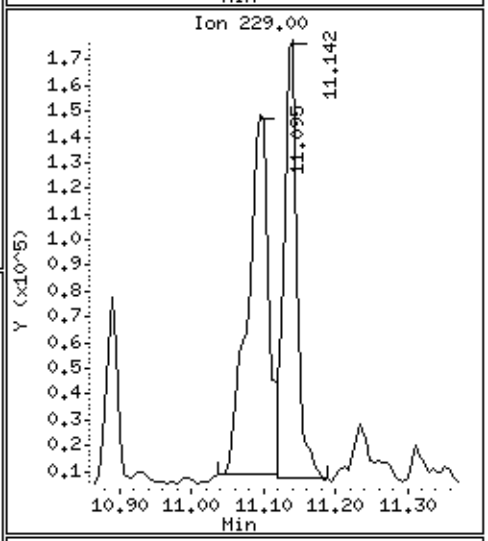


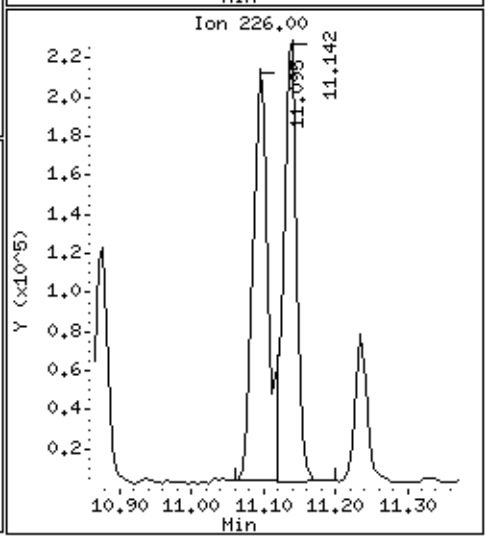












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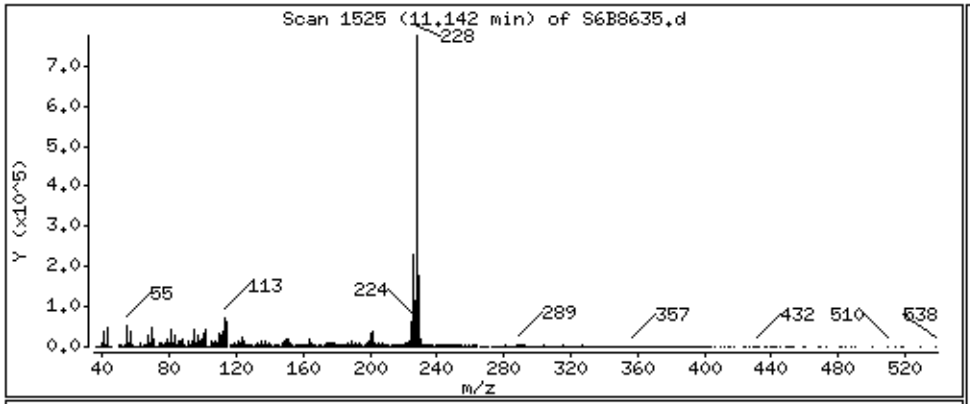
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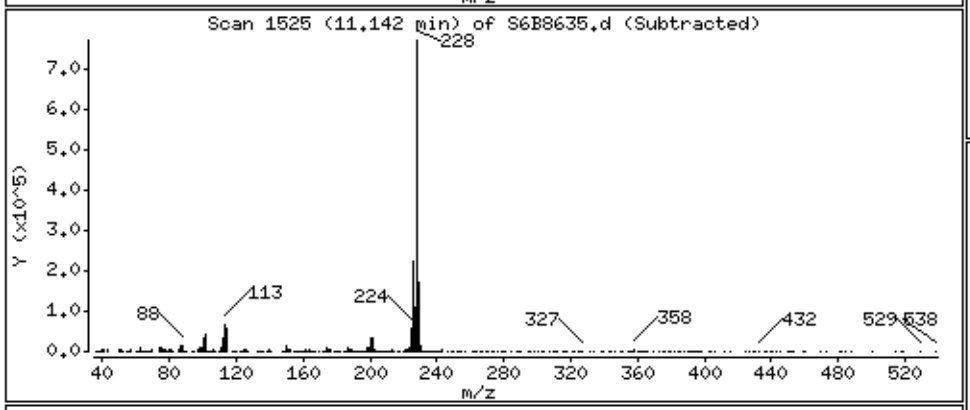
Sample Info: N1194-06A,,78074

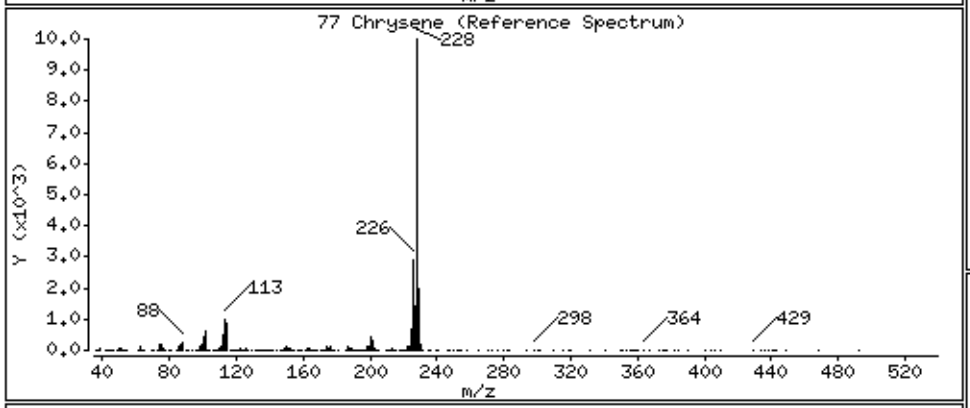
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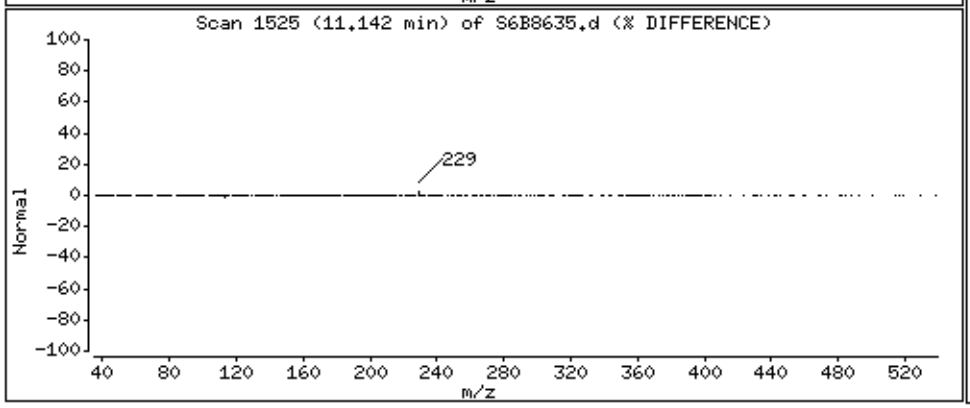
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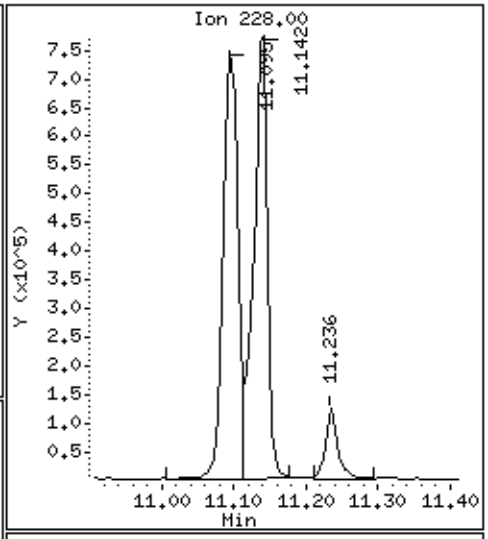
77 Chrysene Concentration: 2200 ug/Kg

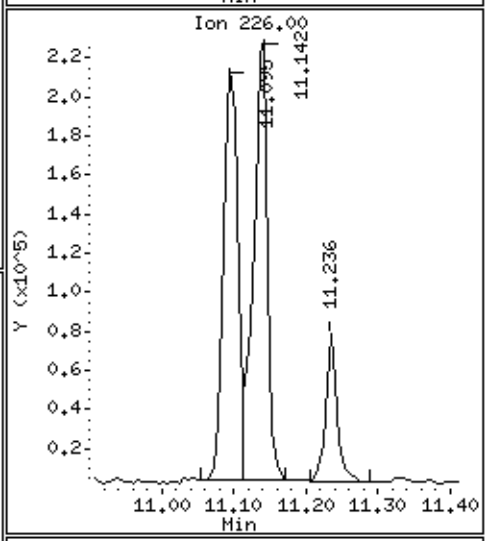


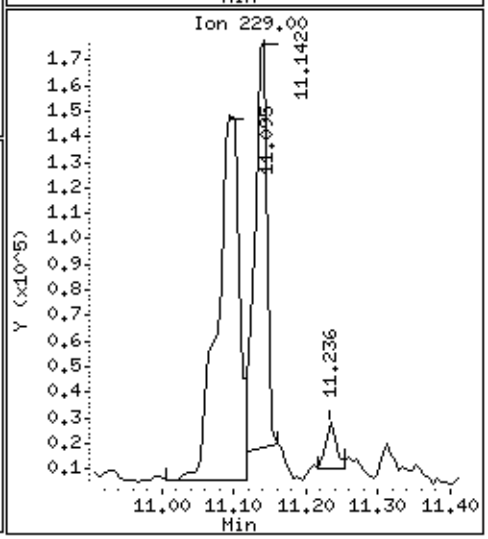












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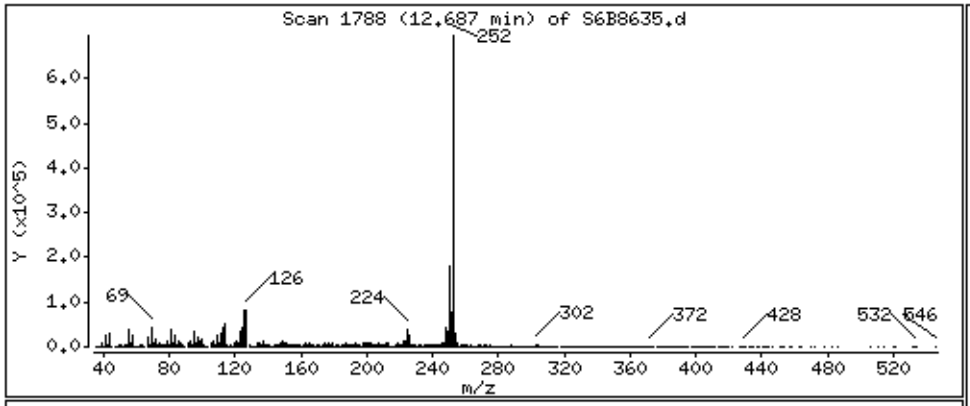
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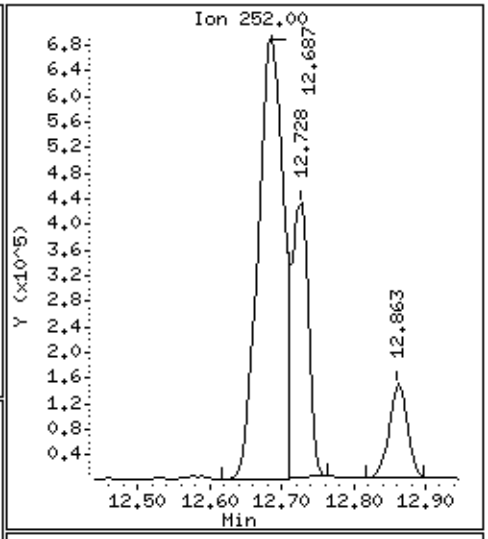
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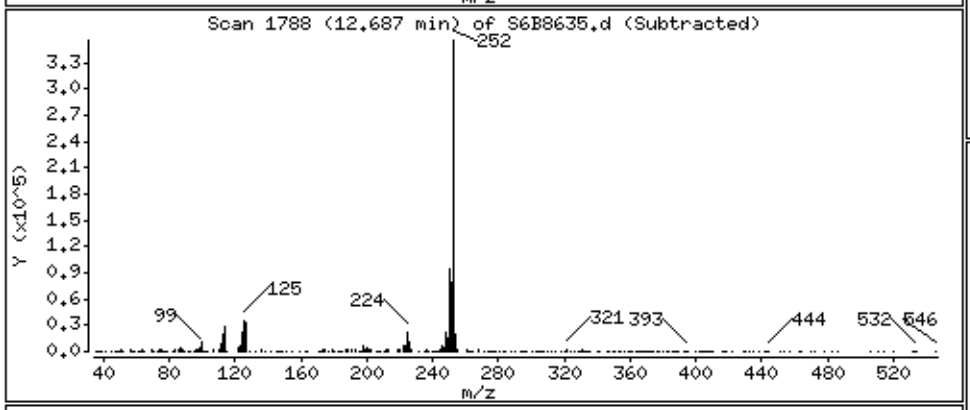
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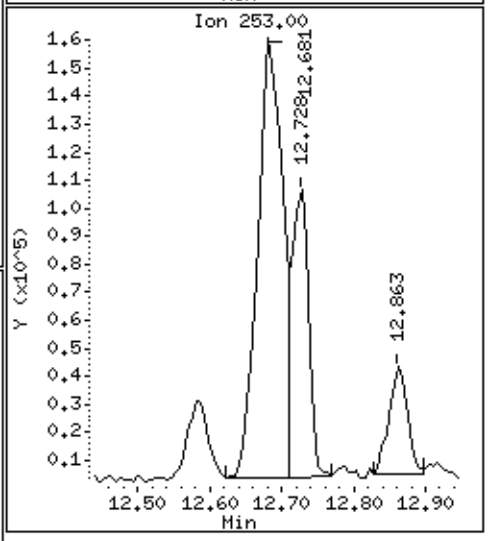
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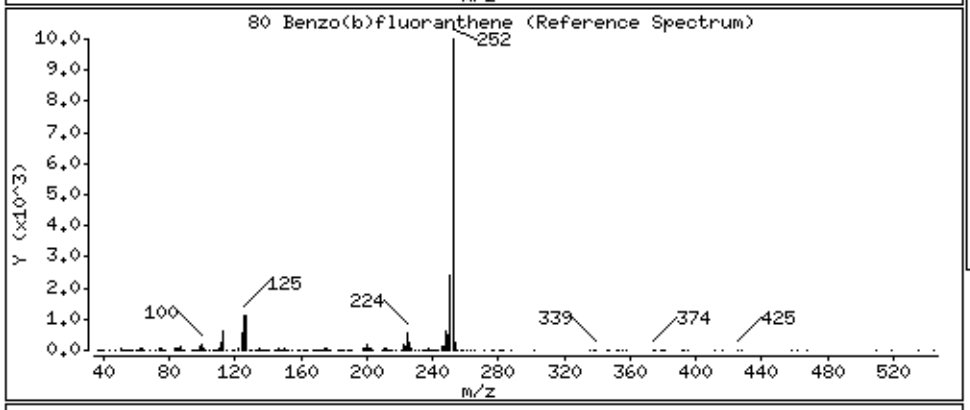
80 Benzo(b)fluoranthene Concentration: 2900 ug/Kg

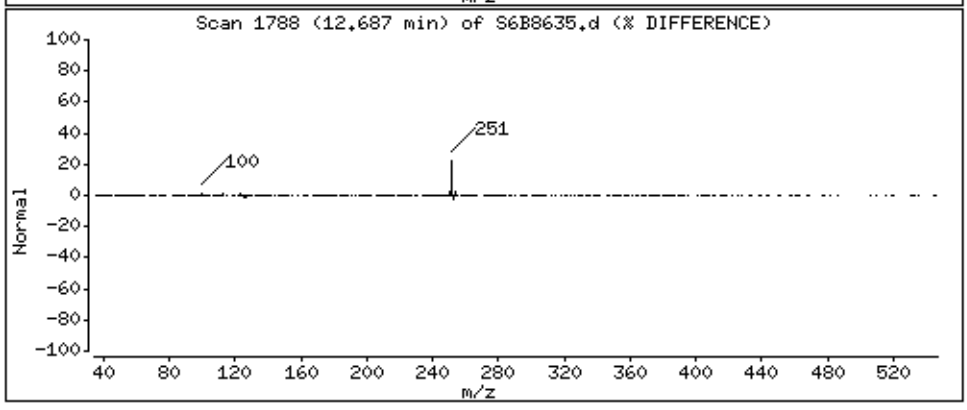












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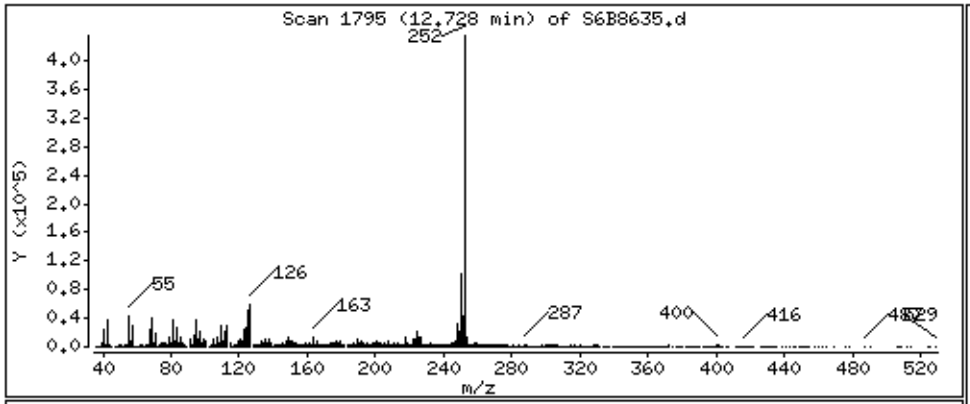
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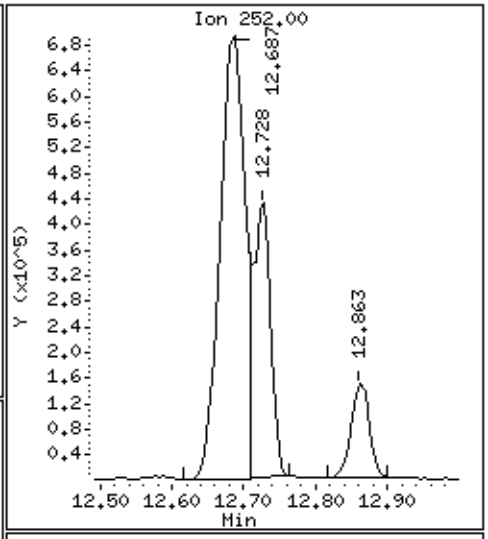
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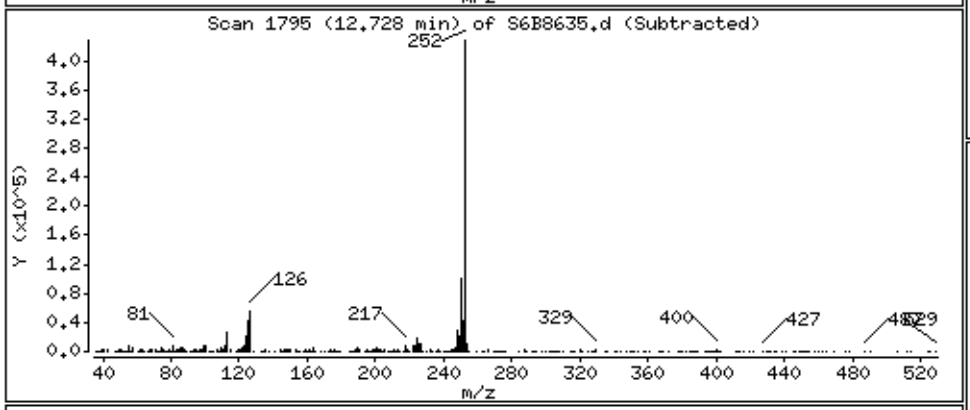
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

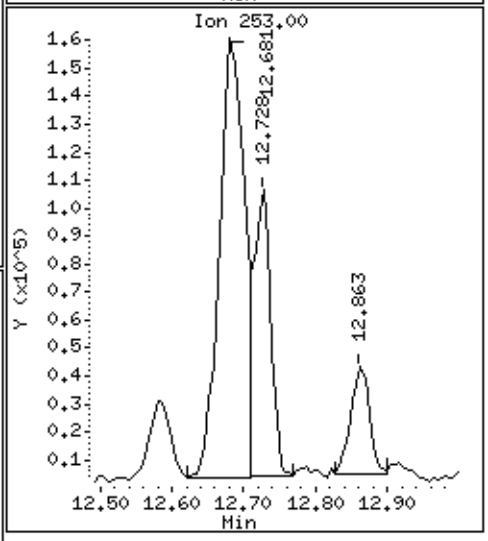
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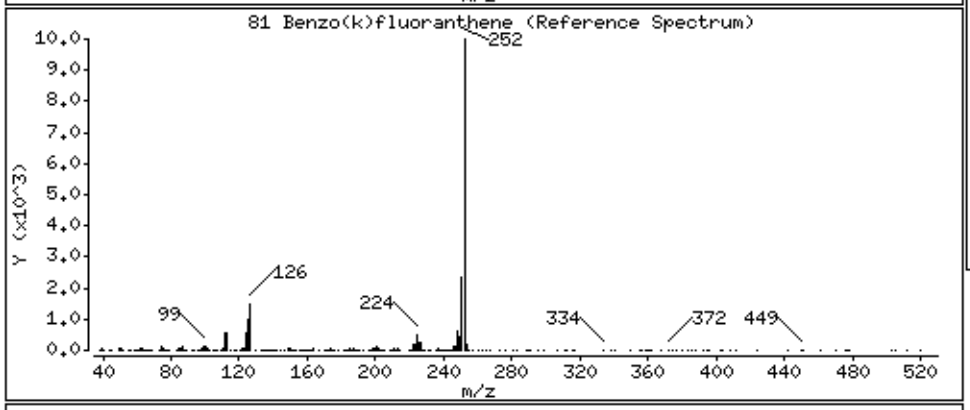
81 Benzo(k)fluoranthene Concentration: 1300 ug/Kg

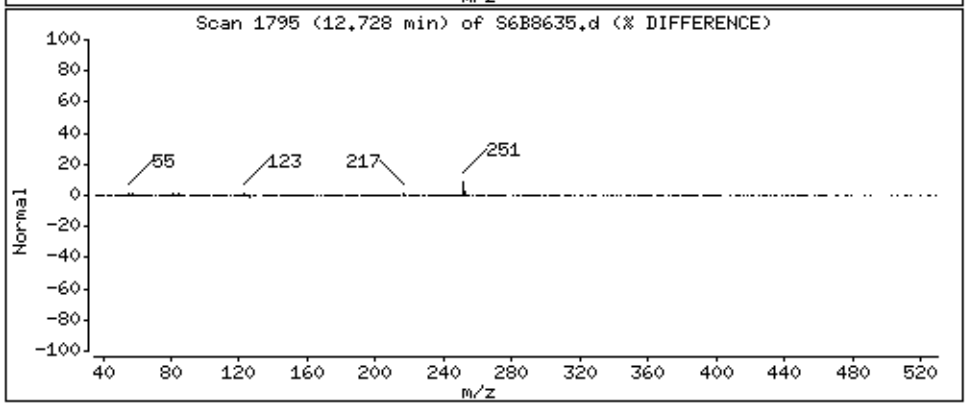












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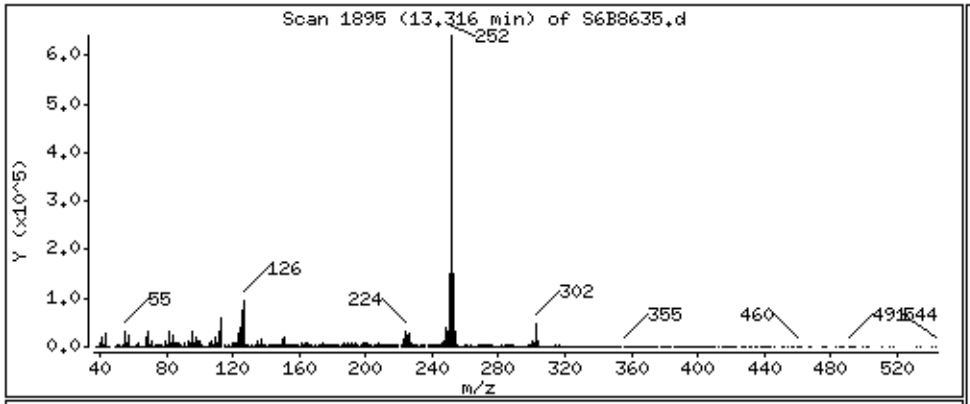
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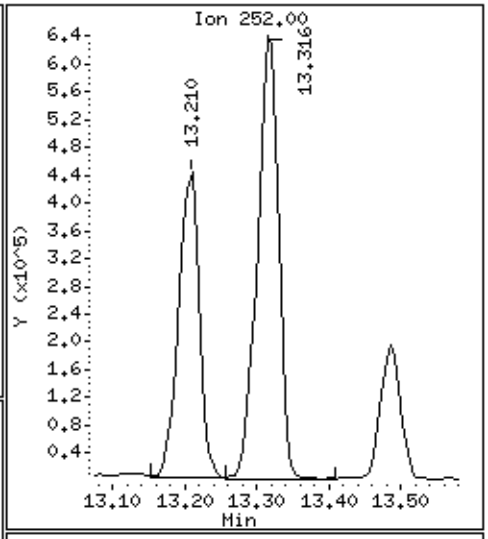
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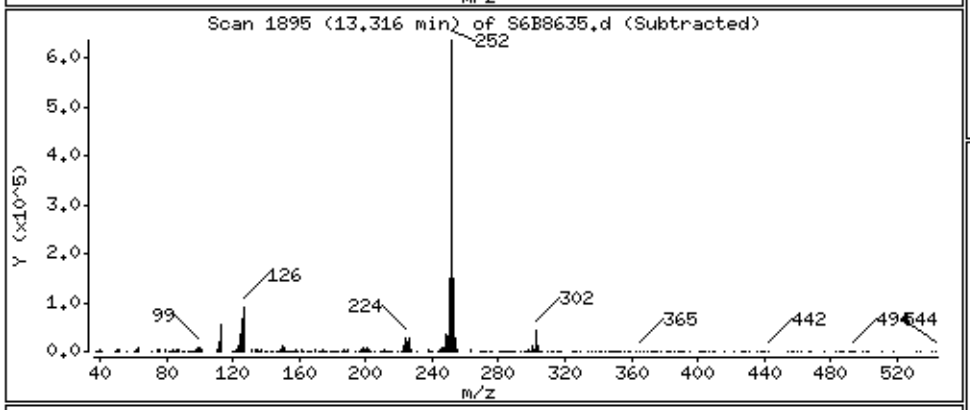
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

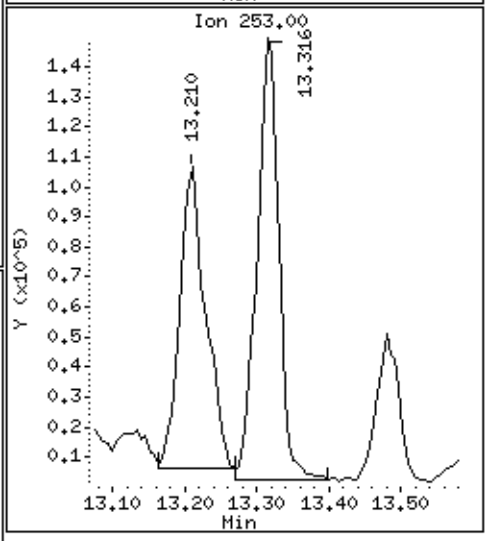
Column phase: Rxi-5Sil MS Column diameter: 0.25

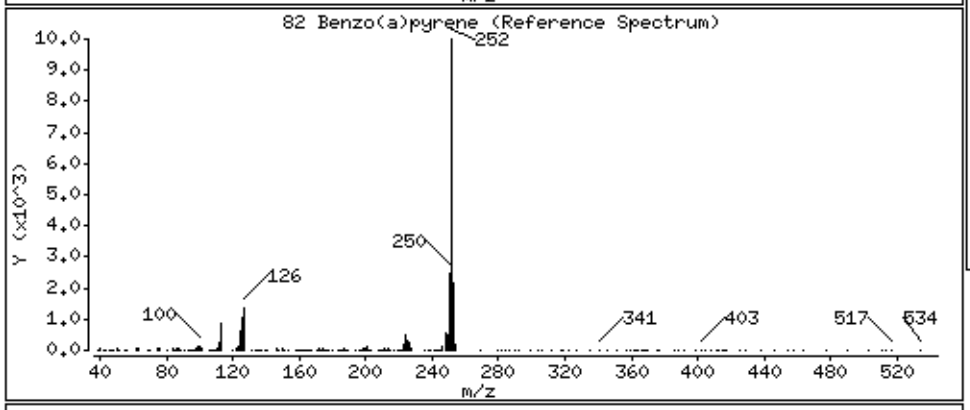
82 Benzo(a)pyrene Concentration: 2400 ug/Kg

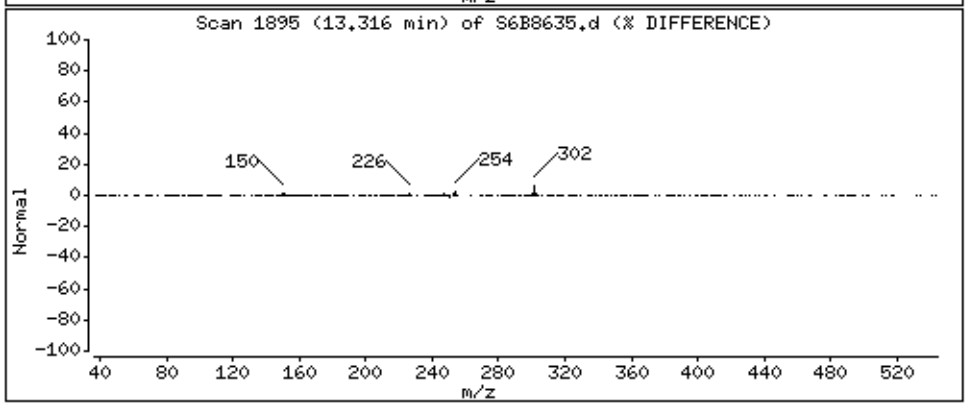












Data File: \\avogadro\organics\S6.I\140717.B\S6B8635.d

Date : 17-JUL-2014 18:09

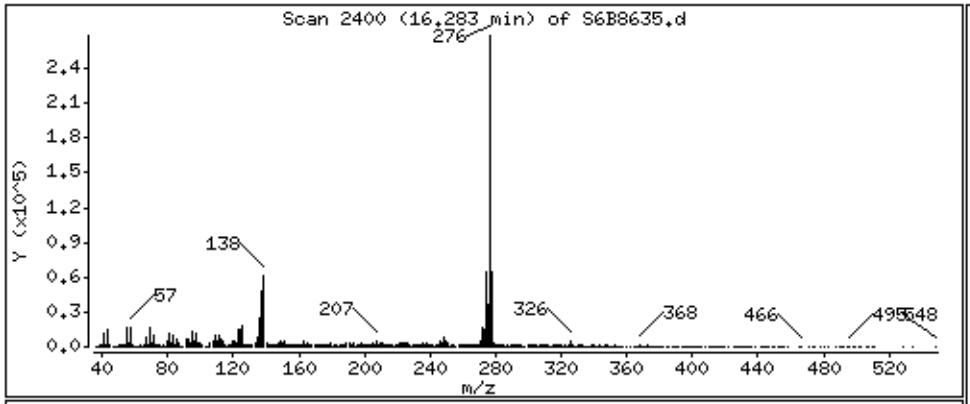
Client ID: SS-16-071014 Instrument: S6.i

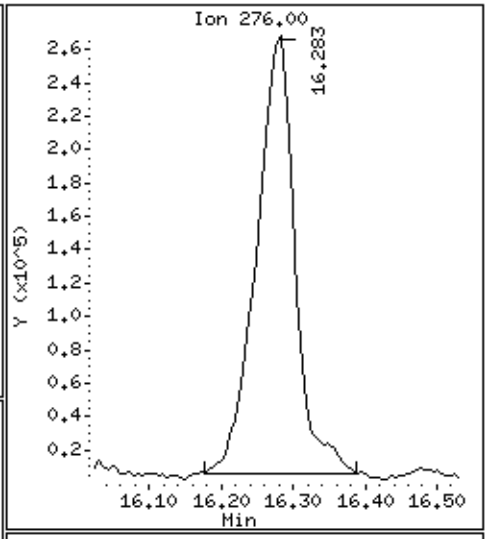
Sample Info: N1194-06A,,78074

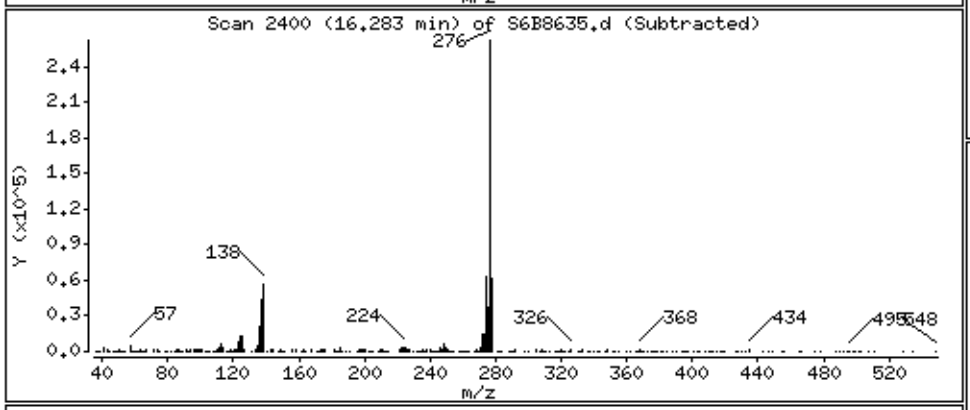
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

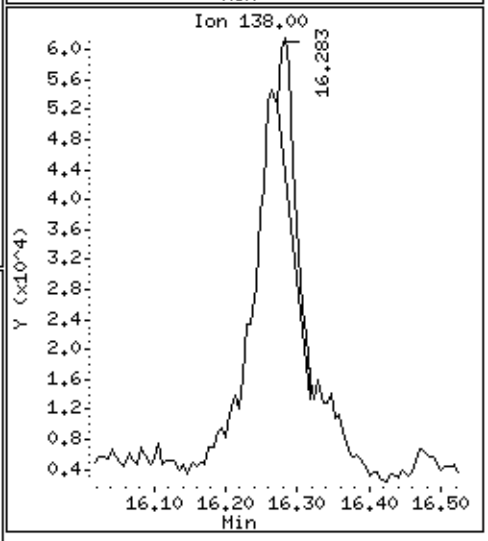
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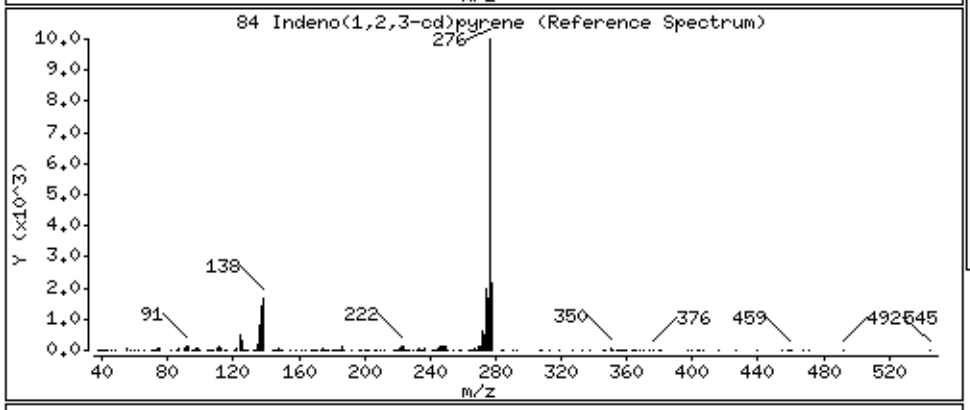
84 Indeno(1,2,3-cd)pyrene Concentration: 2000 ug/Kg

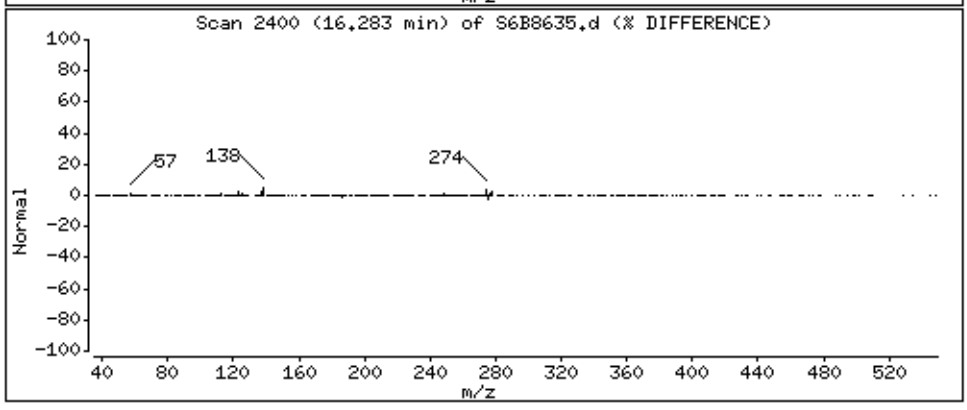












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Date : 17-JUL-2014 18:09

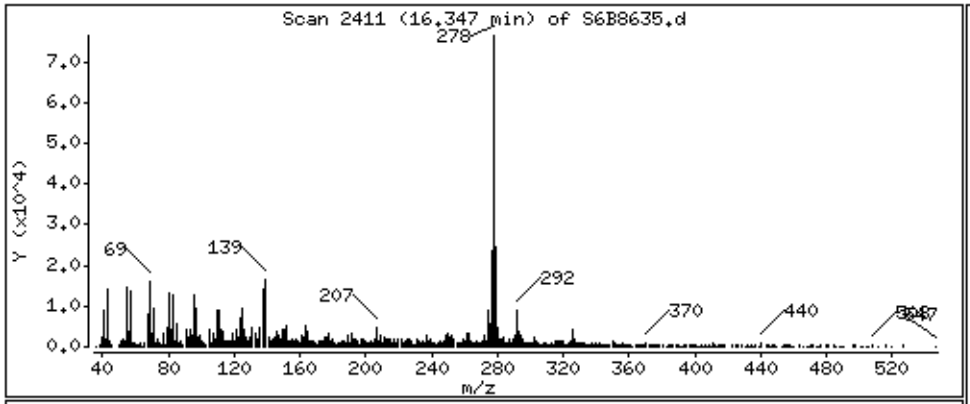
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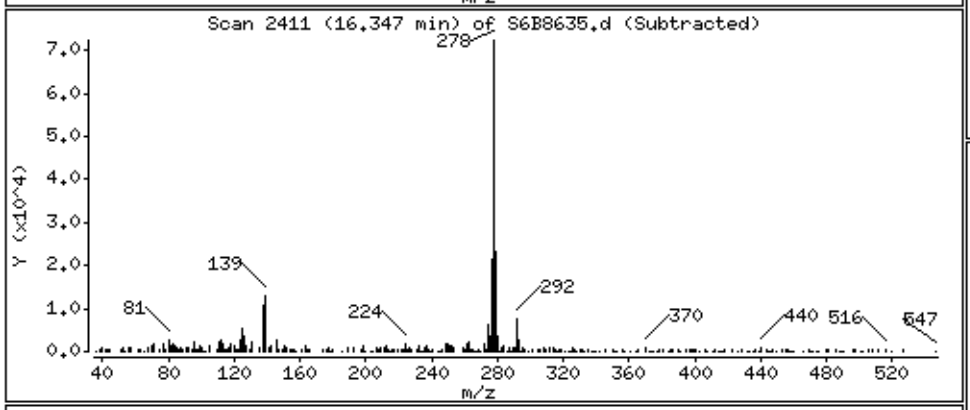
Sample Info: N1194-06A,,78074

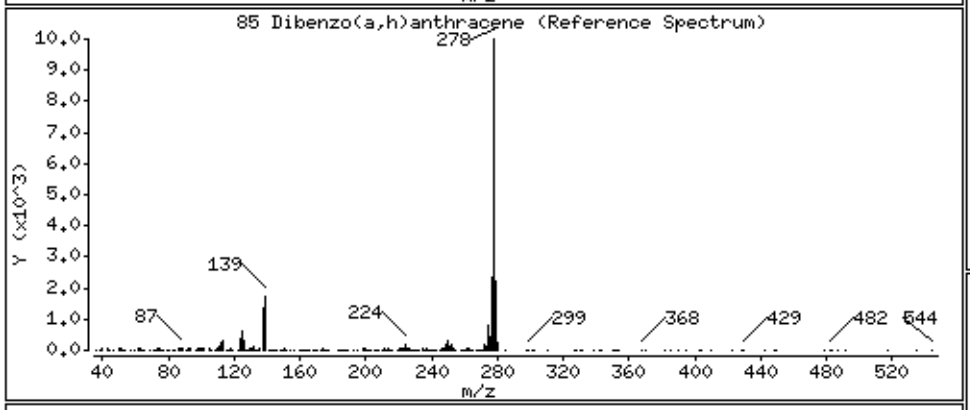
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

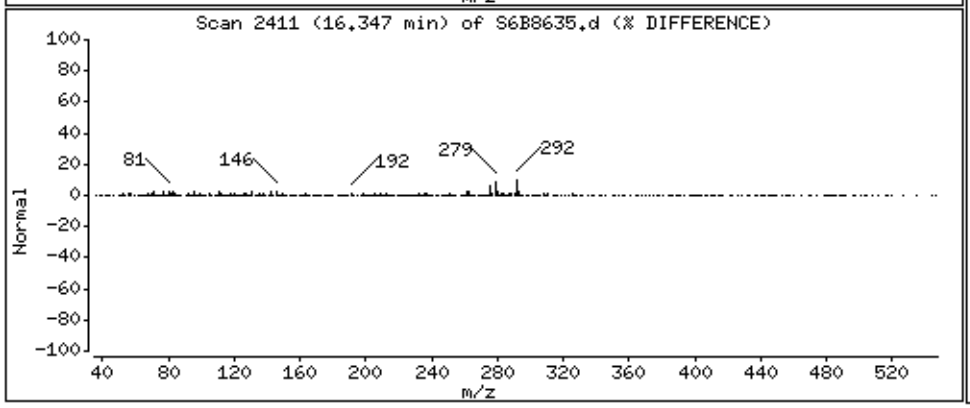
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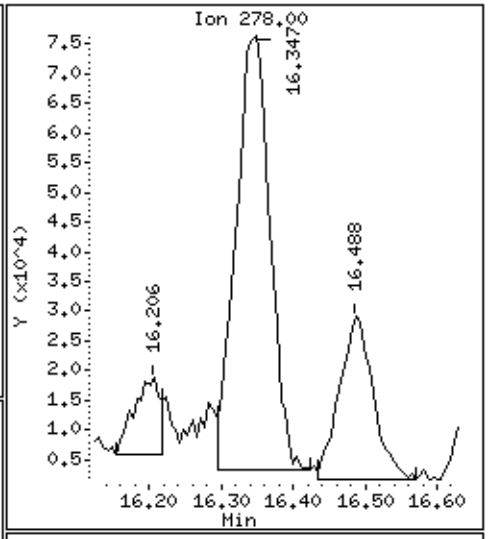
85 Dibenzo(a,h)anthracene Concentration: 510 ug/Kg

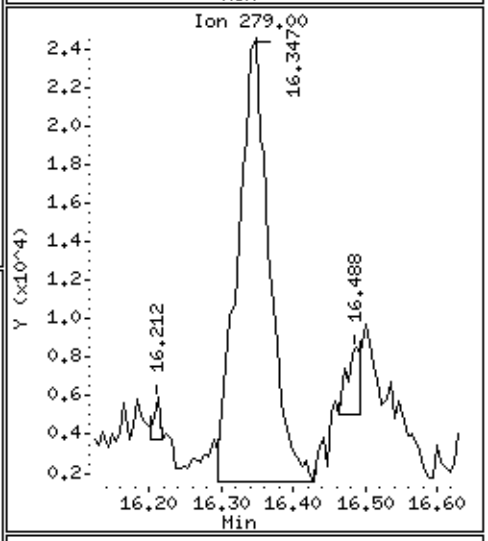


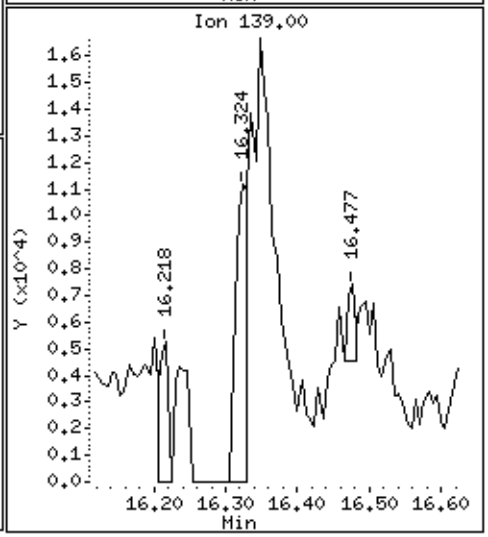












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Date : 17-JUL-2014 18:09

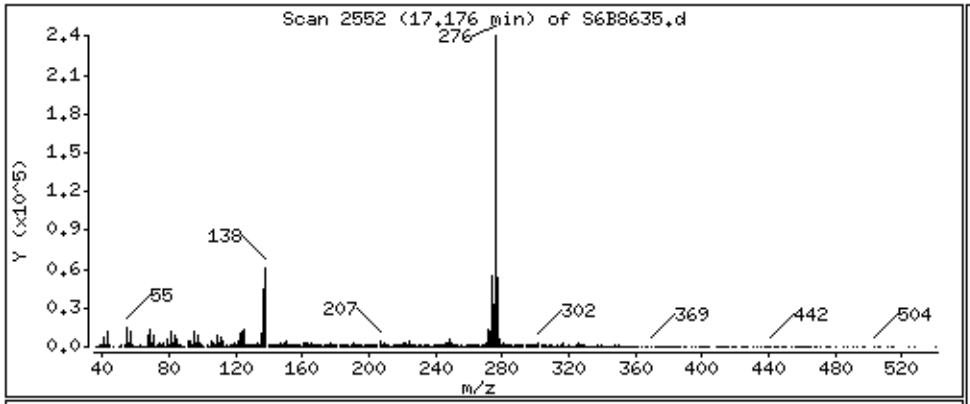
Client ID: SS-16-071014 Instrument: S6.i

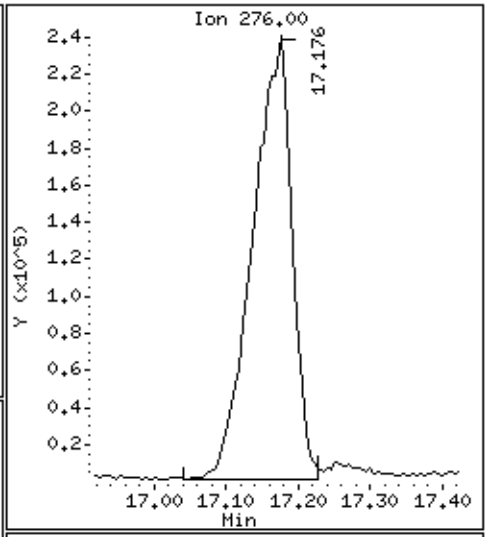
Sample Info: N1194-06A,,78074

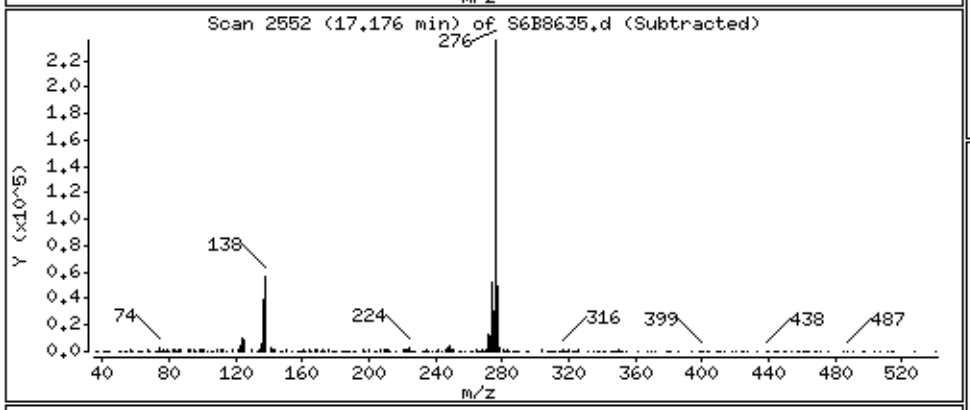
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

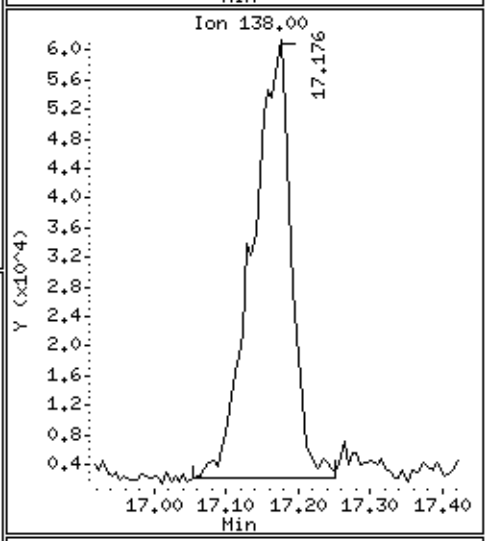
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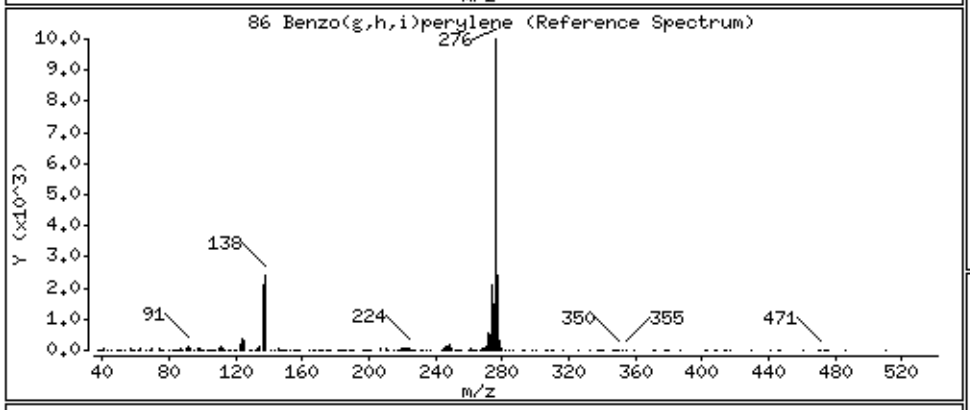
86 Benzo(g,h,i)perylene Concentration: 1800 ug/Kg

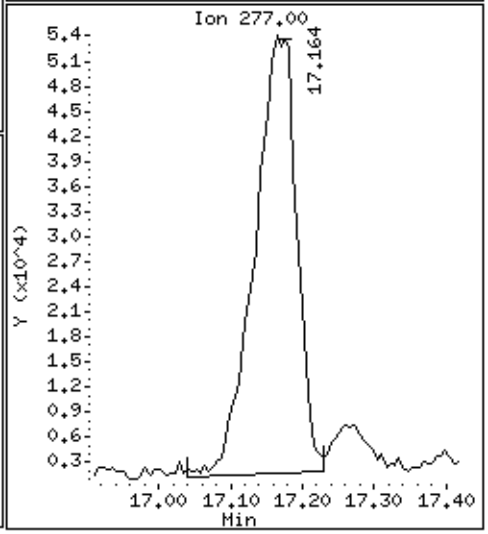


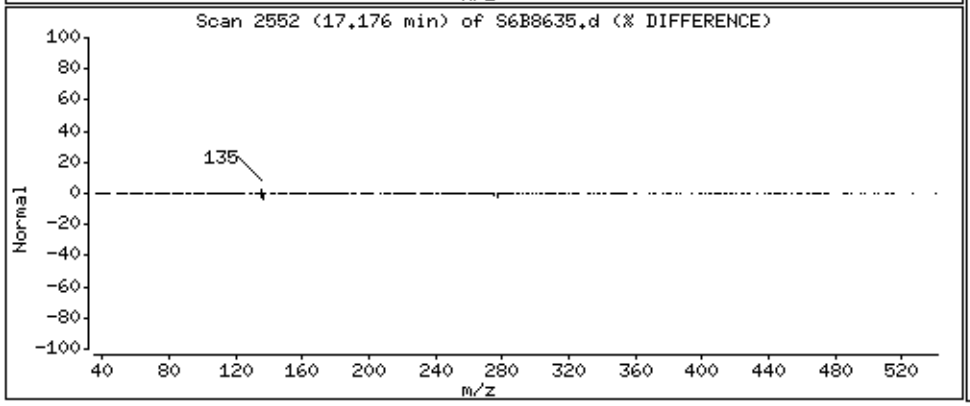












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-17-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-07A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S6B8636.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	130	J
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	120	J
86-73-7	Fluorene	370	U
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	360	J
120-12-7	Anthracene	130	J
206-44-0	Fluoranthene	680	
129-00-0	Pyrene	620	
56-55-3	Benzo(a)anthracene	580	
218-01-9	Chrysene	800	
205-99-2	Benzo(b)fluoranthene	1500	
207-08-9	Benzo(k)fluoranthene	580	
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenzo(a,h)anthracene	260	J
191-24-2	Benzo(g,h,i)perylene	1400	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8636.d
Report Date: 18-Jul-2014 15:42

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8636.d
Lab Smp Id: N1194-07A Client Smp ID: SS-17-071014
Inj Date : 17-JUL-2014 18:33
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-07A,,78074
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.400	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	3.850	3.832	(0.776)	448661	39.9794	2600
$ 5 Phenol-d5	99	4.660	4.655	(0.940)	543561	37.9405	2500
* 12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	338803	40.0000	
$ 22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	544095	46.4239	3000
* 31 Naphthalene-d8	136	6.035	6.035	(1.000)	1137098	40.0000	
32 Naphthalene	128	6.053	6.053	(1.003)	50126	1.74943	110(a)
36 2-Methylnaphthalene	142	6.629	6.629	(1.098)	38262	1.92999	120(a)
$ 41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	1131950	45.6283	3000
* 48 Acenaphthene-d10	164	7.498	7.498	(1.000)	708898	40.0000	
49 Acenaphthene	153	7.522	7.528	(1.003)	34414	1.59640	100(a)
$ 60 2,4,6-Tribromophenol	330	8.151	8.156	(0.933)	135757	45.7142	3000
* 64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1289944	40.0000	
65 Phenanthrene	178	8.750	8.756	(1.002)	168117	4.82649	310(a)
66 Anthracene	178	8.791	8.797	(1.007)	60713	1.71072	110(a)
69 Fluoranthene	202	9.743	9.749	(1.116)	357756	8.97434	580(a)
71 Pyrene	202	9.937	9.949	(0.894)	377452	8.24864	540(a)
$ 72 Terphenyl-d14	244	10.054	10.060	(0.905)	1220047	41.0501	2700
75 Benzo(a)anthracene	228	11.100	11.112	(0.999)	324562	7.65105	500(a)
* 76 Chrysene-d12	240	11.112	11.130	(1.000)	1485731	40.0000	

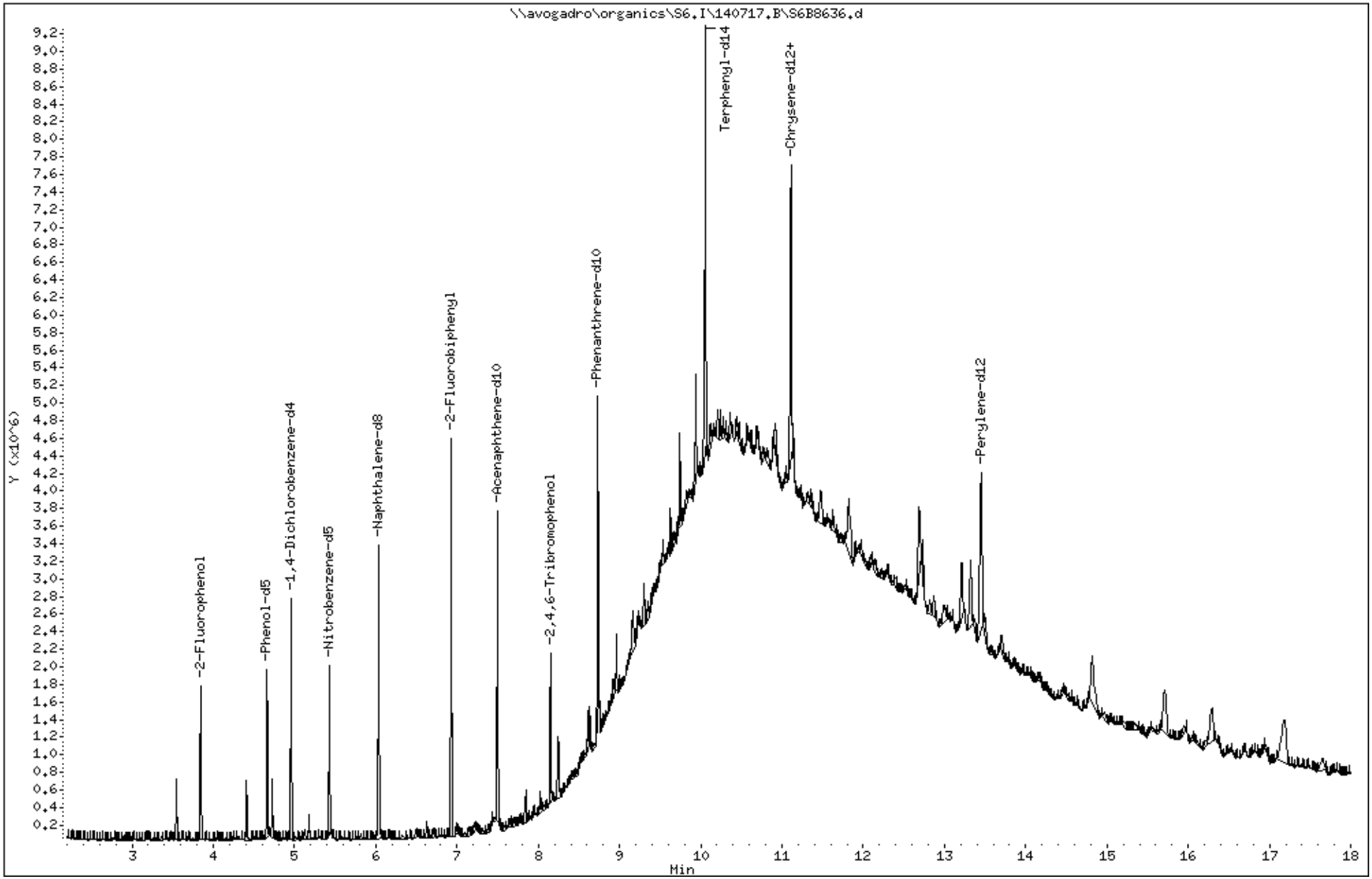
Data File: \\avogadro\organics\S6.I\140717.B\S6B8636.d
Report Date: 18-Jul-2014 15:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)	
77	Chrysene	228	11.141	11.159	(1.003)	412087	10.5843	690	
80	Benzo(b)fluoranthene	252	12.692	12.692	(0.944)	929858	20.4633	1300	
81	Benzo(k)fluoranthene	252	12.733	12.745	(0.947)	356989	7.73753	500(a)	
82	Benzo(a)pyrene	252	13.321	13.327	(0.990)	656531	15.1436	980	
* 83	Perylene-d12	264	13.450	13.450	(1.000)	1545580	40.0000		
84	Indeno(1,2,3-cd)pyrene	276	16.288	16.277	(1.211)	654637	17.3058	1100	
85	Dibenzo(a,h)anthracene	278	16.353	16.376	(1.216)	129489	3.51836	230(aM)M6 TM 07/18	
86	Benzo(g,h,i)perylene	276	17.187	17.170	(1.278)	722248	18.4886	1200	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8636.d
Date : 17-JUL-2014 18:33
Client ID: SS-17-071014
Instrument: S6.i
Sample Info: N1194-07A,,78074
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8636.d

Date : 17-JUL-2014 18:33

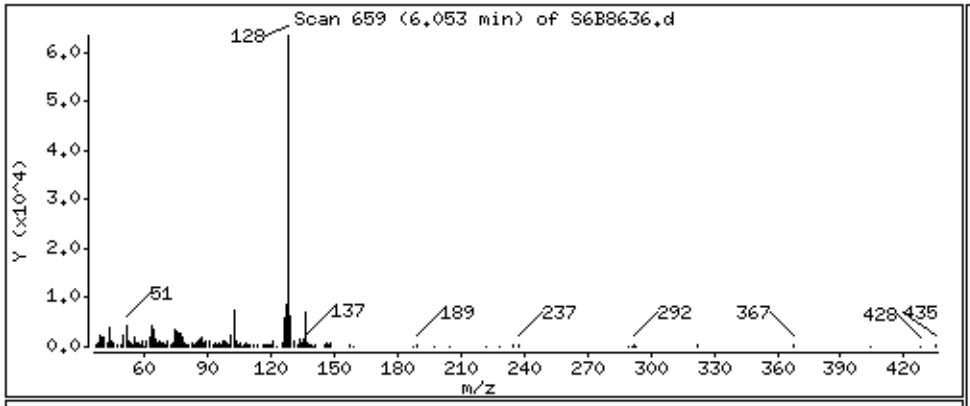
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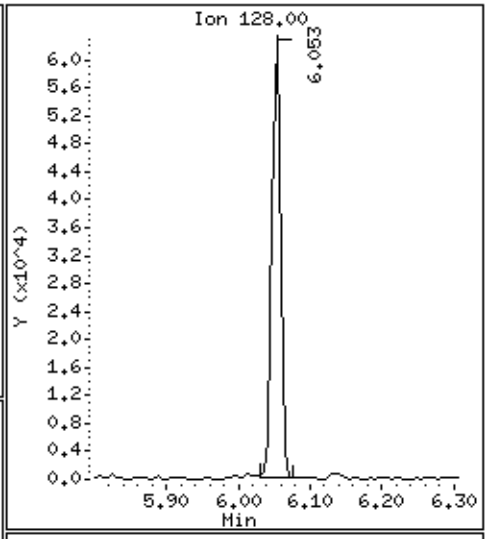
Sample Info: N1194-07A,,78074

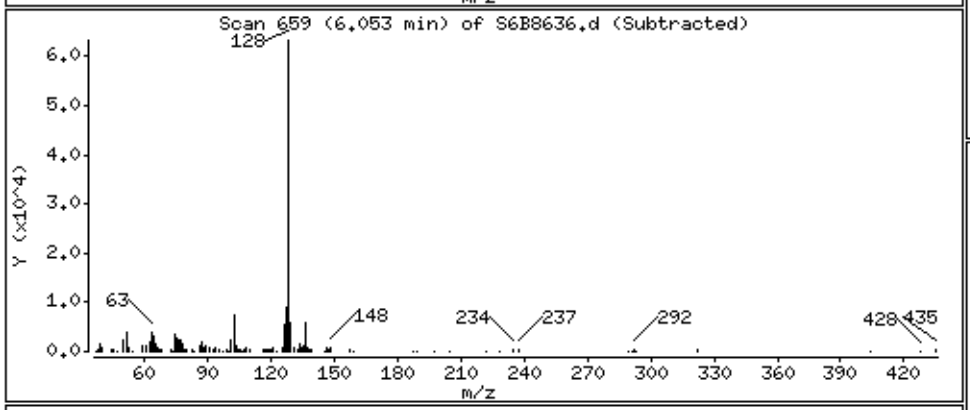
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

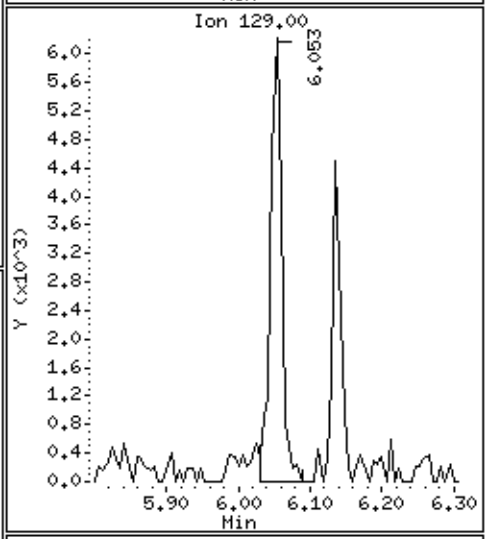
Column phase: Rxi-5Sil MS Column diameter: 0.25

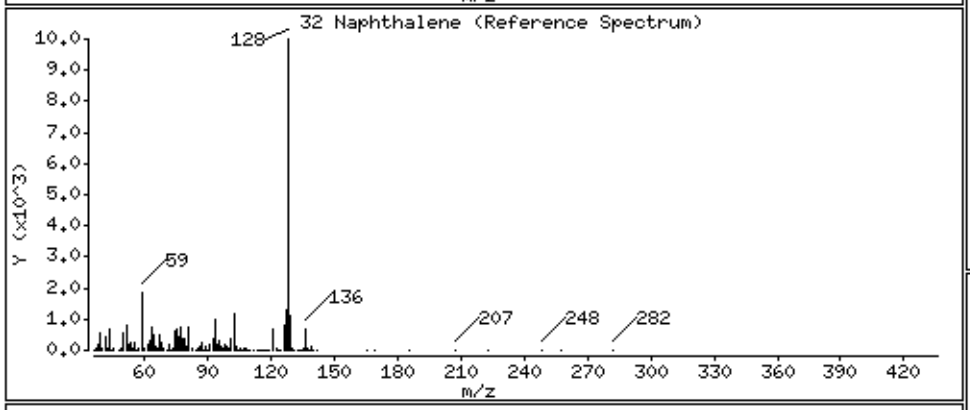
32 Naphthalene Concentration: 110 ug/Kg

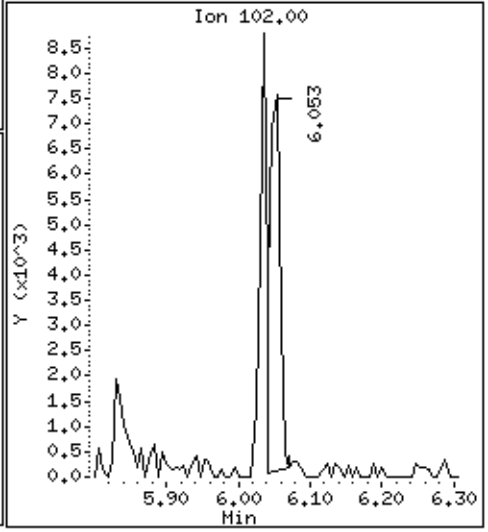


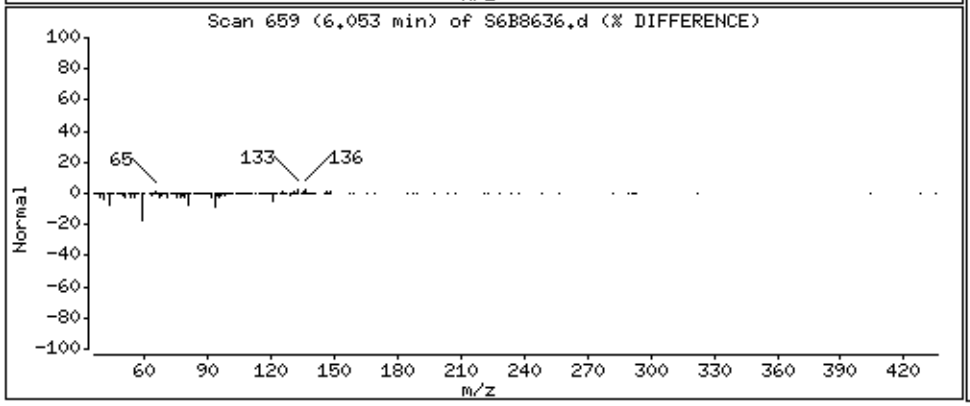












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Date : 17-JUL-2014 18:33

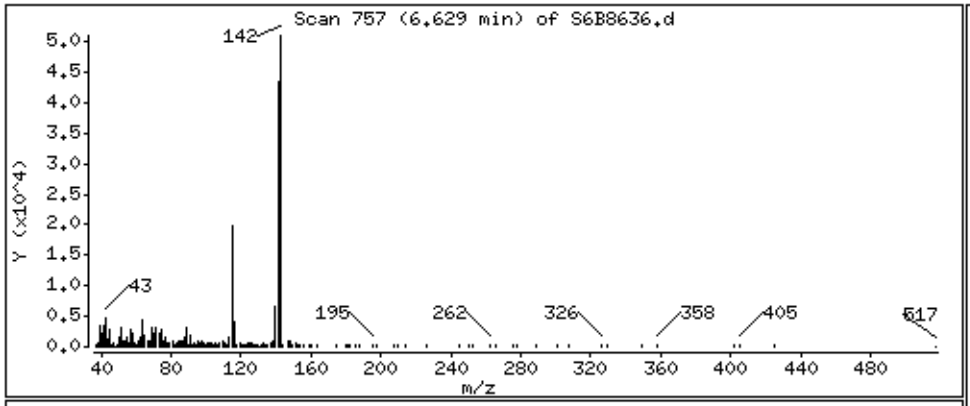
Client ID: SS-17-071014 Instrument: S6.i

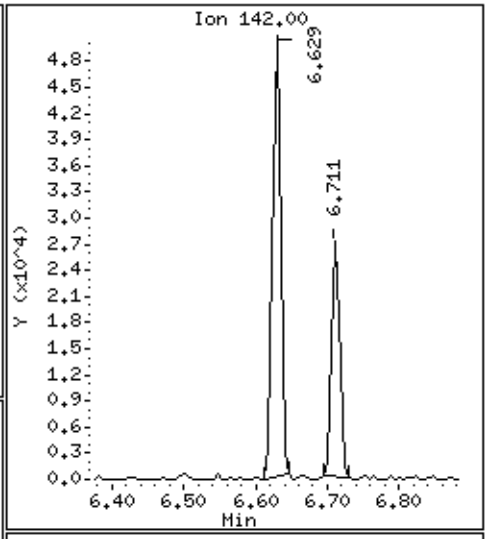
Sample Info: N1194-07A,,78074

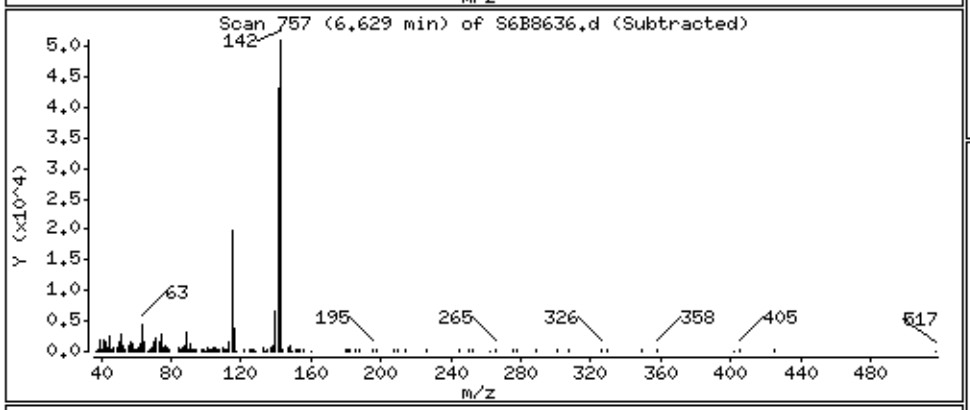
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

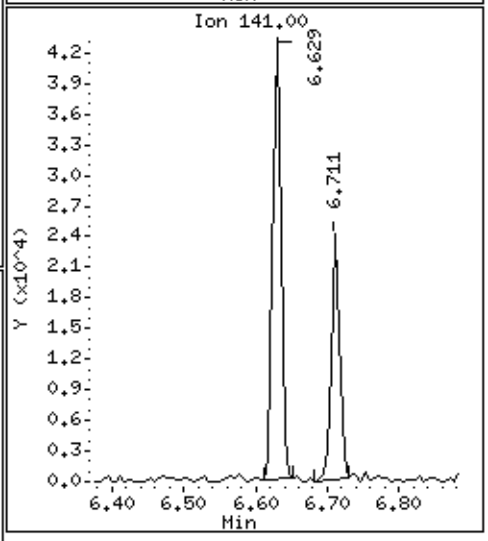
Column phase: Rxi-5Sil MS Column diameter: 0.25

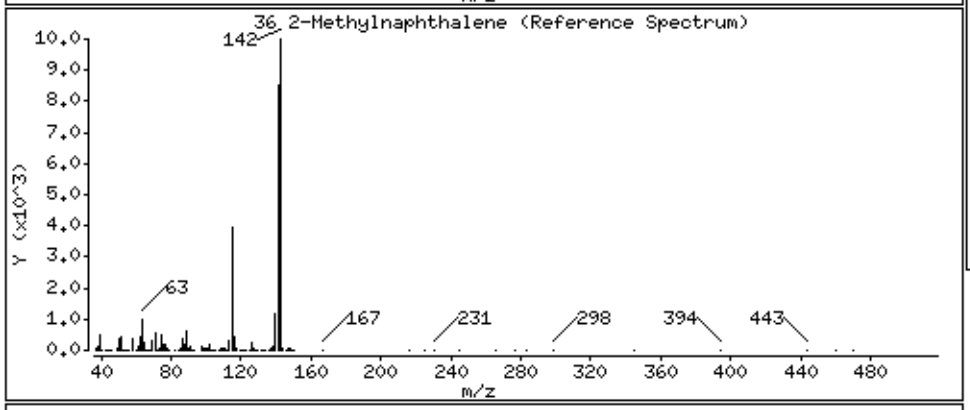
36 2-Methylnaphthalene Concentration: 120 ug/Kg

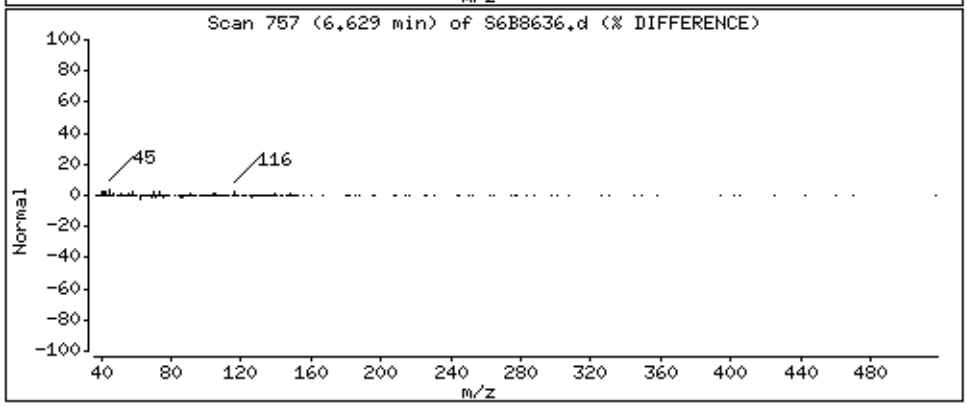












Data File: \\avogadro\organics\S6.I\140717.B\S6B8636.d

Date : 17-JUL-2014 18:33

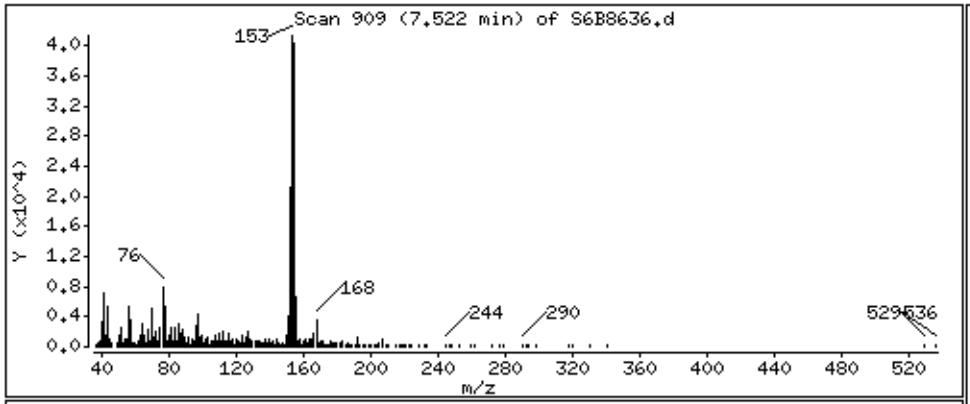
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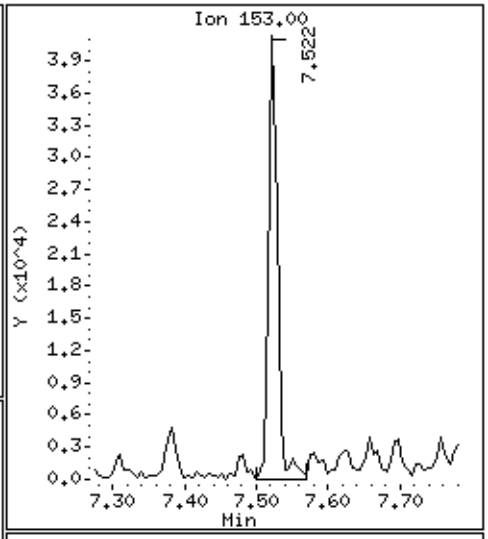
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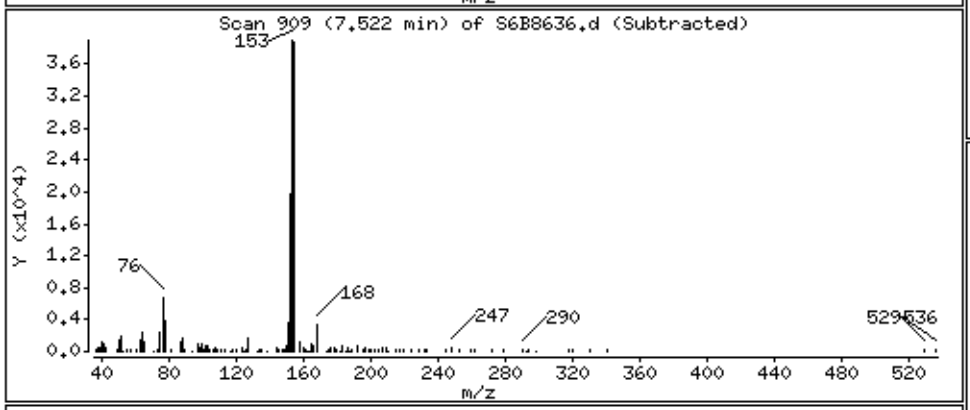
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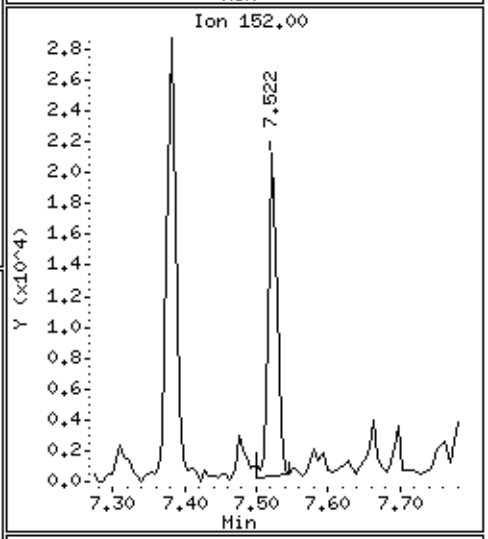
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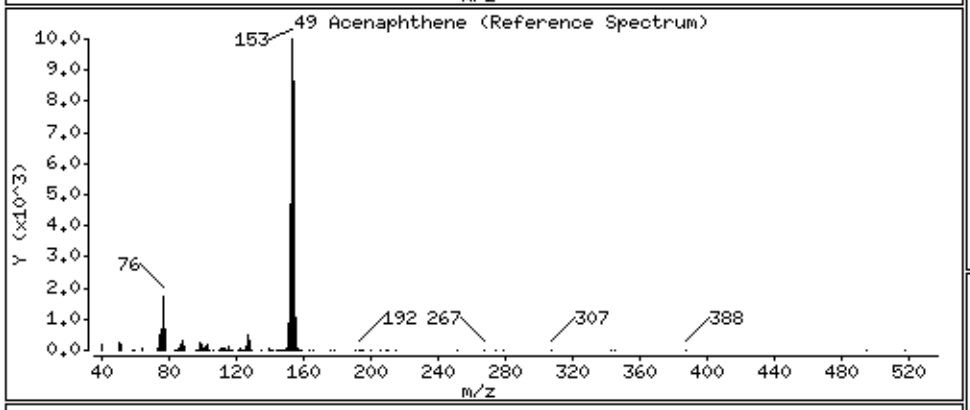
49 Acenaphthene Concentration: 100 ug/Kg

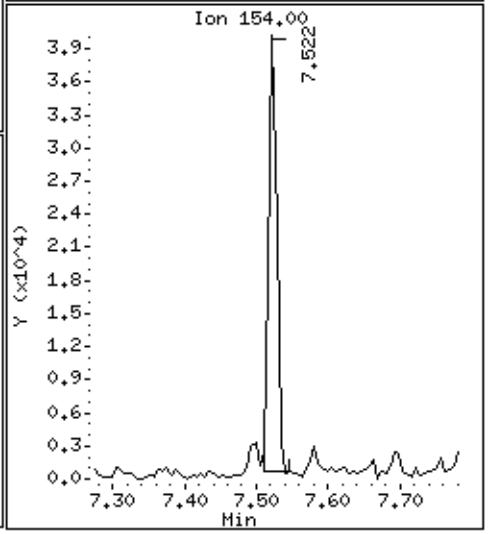


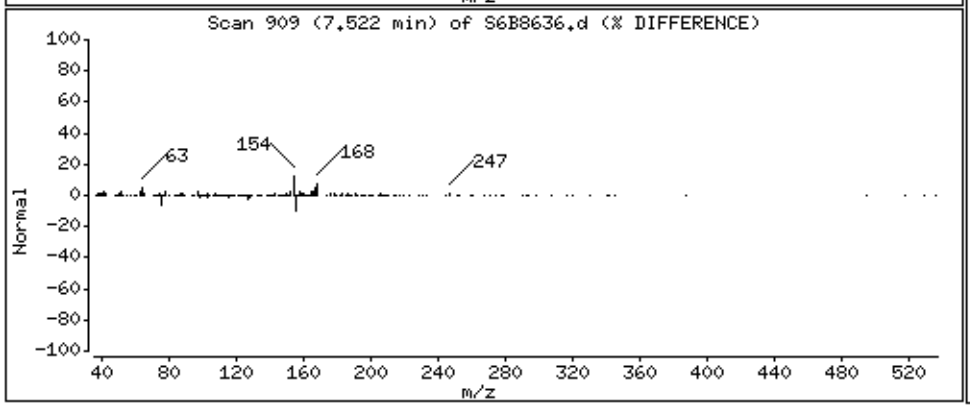












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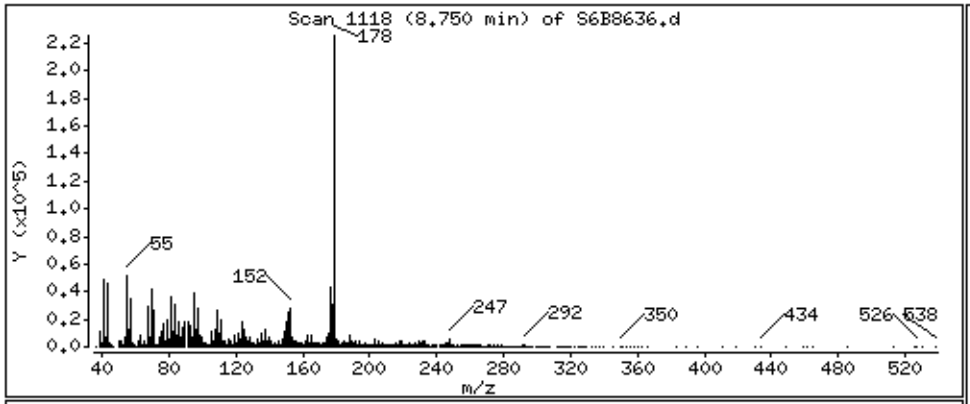
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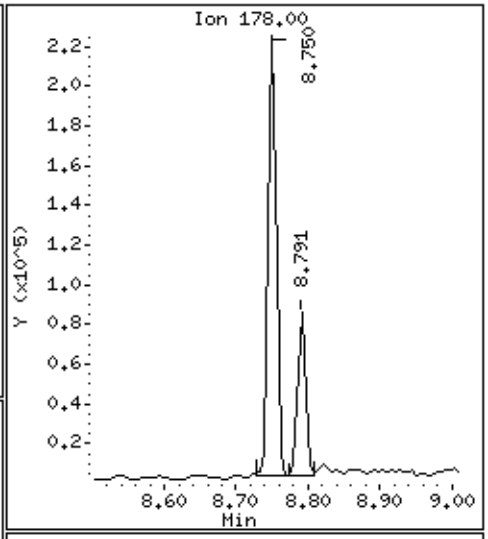
Sample Info: N1194-07A,,78074

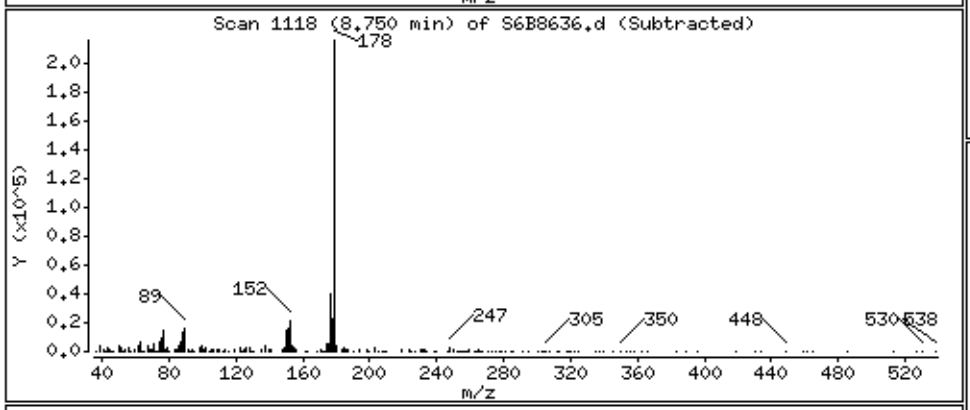
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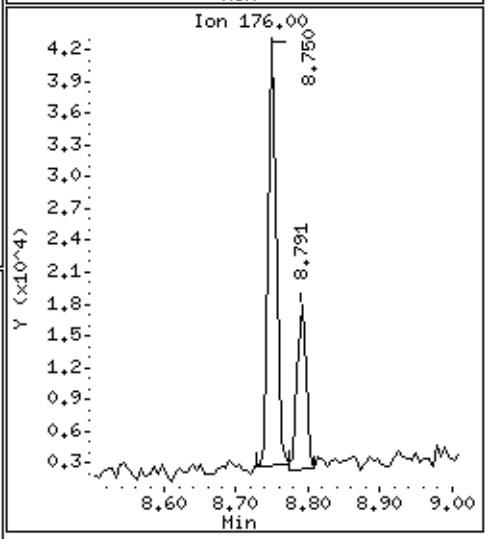
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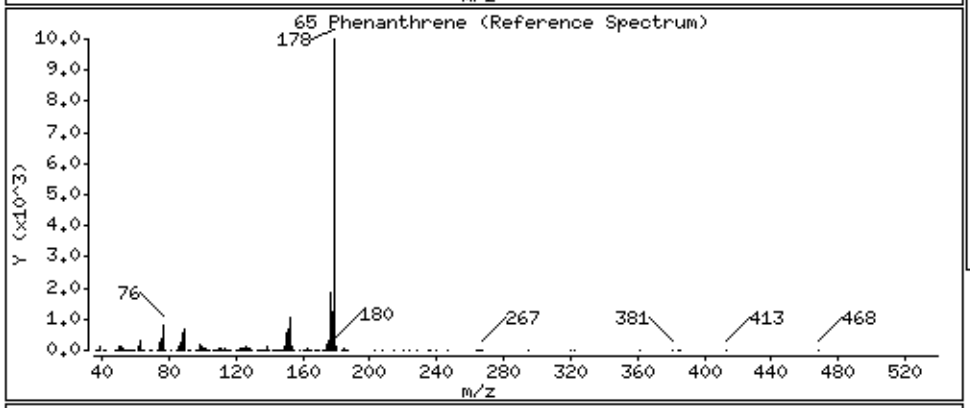
65 Phenanthrene Concentration: 310 ug/Kg

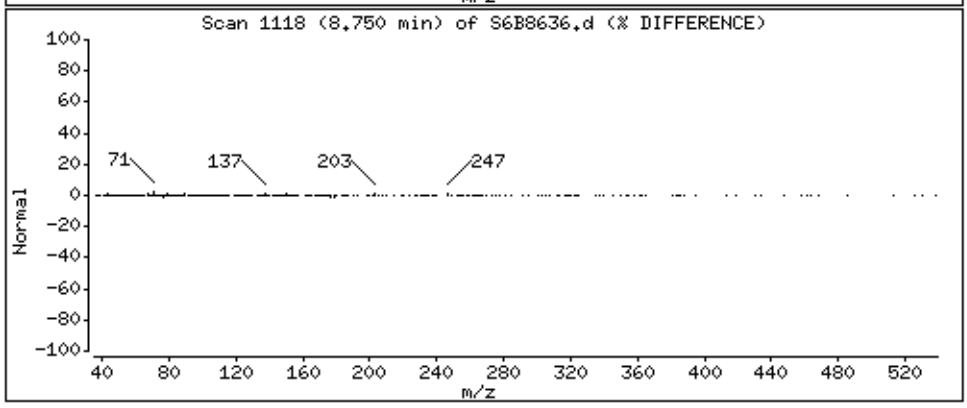












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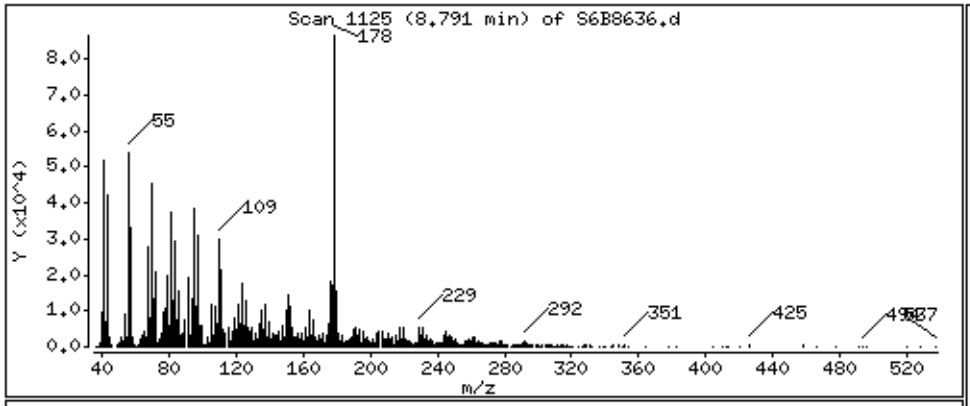
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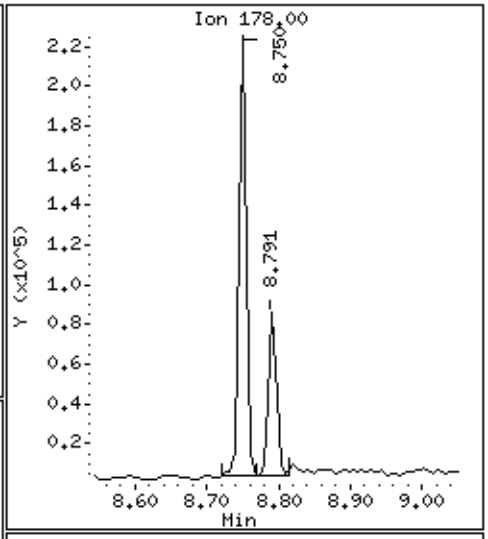
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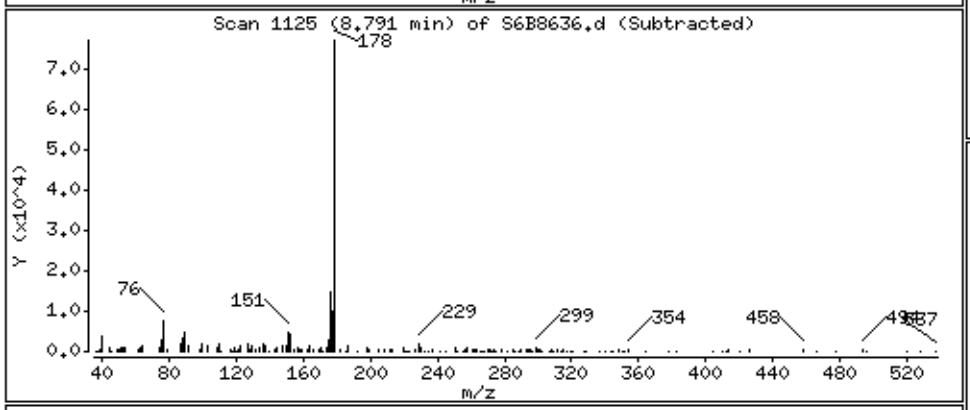
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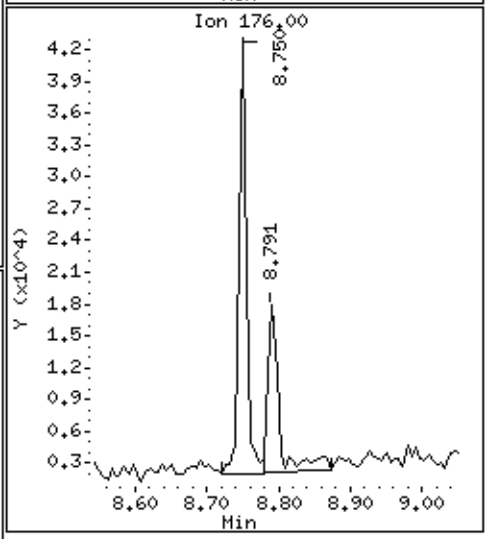
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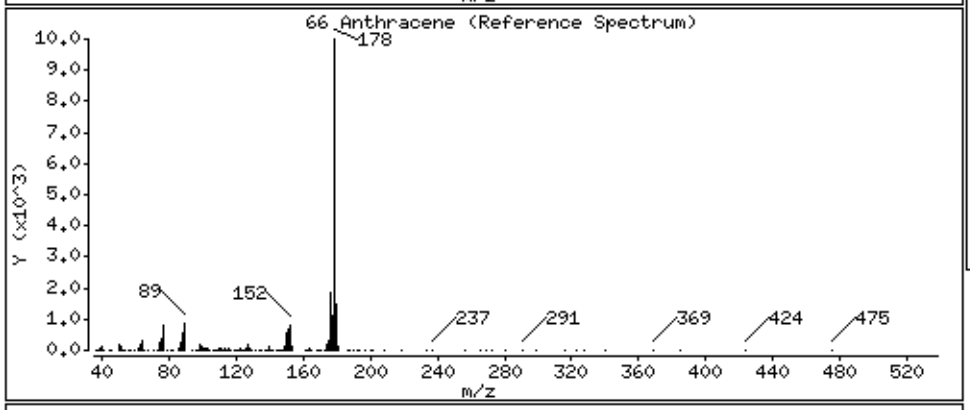
66 Anthracene Concentration: 110 ug/Kg

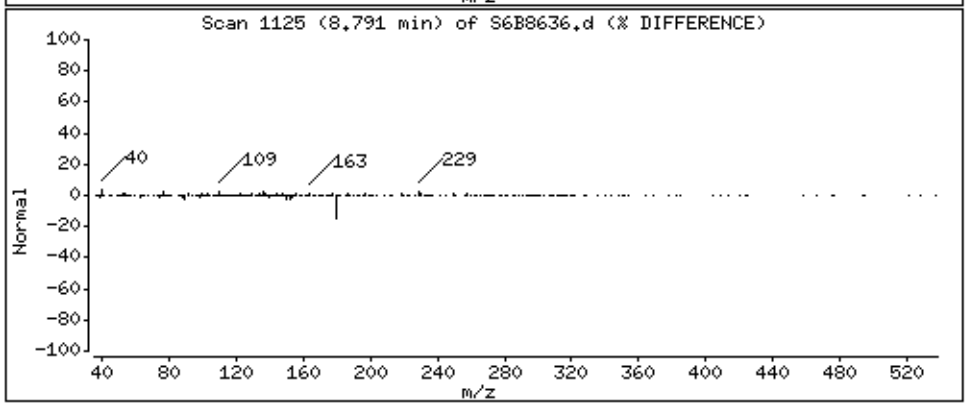












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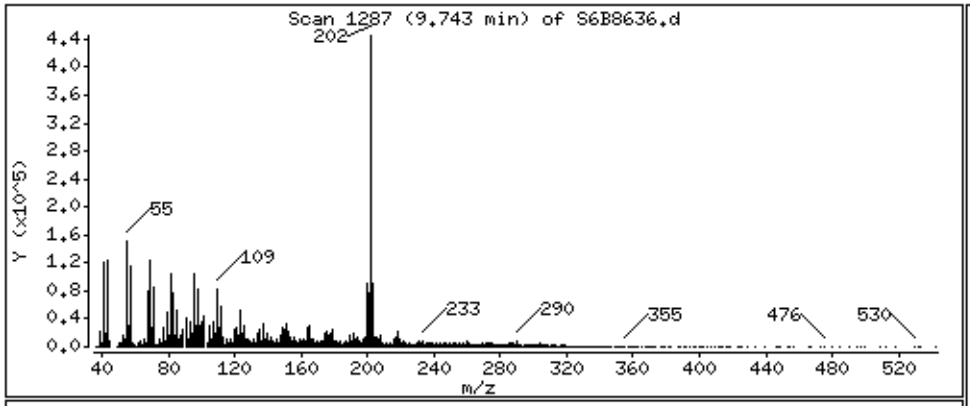
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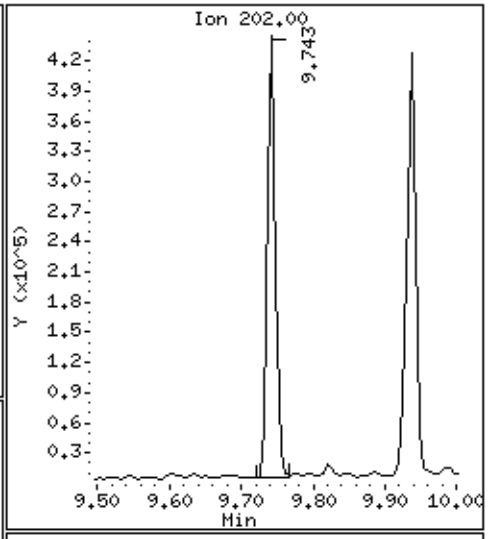
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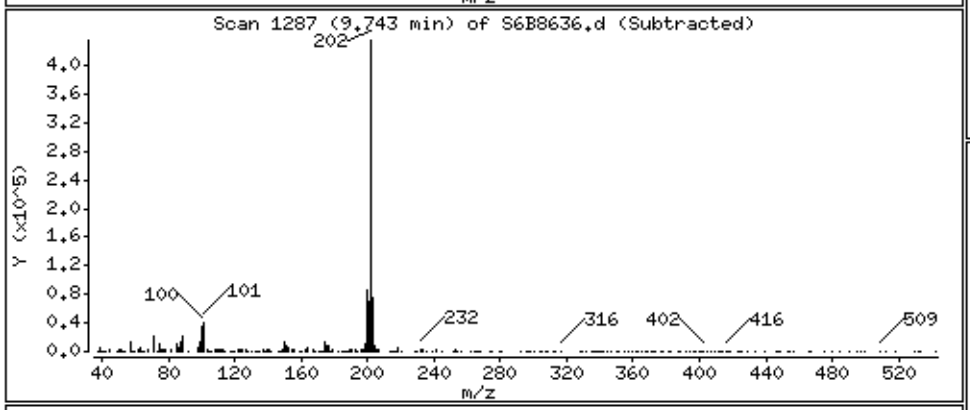
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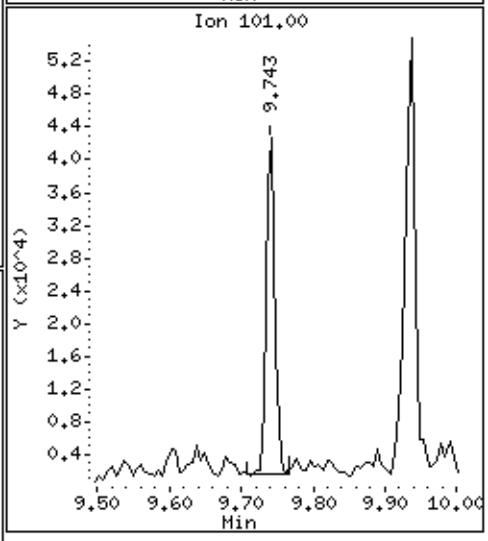
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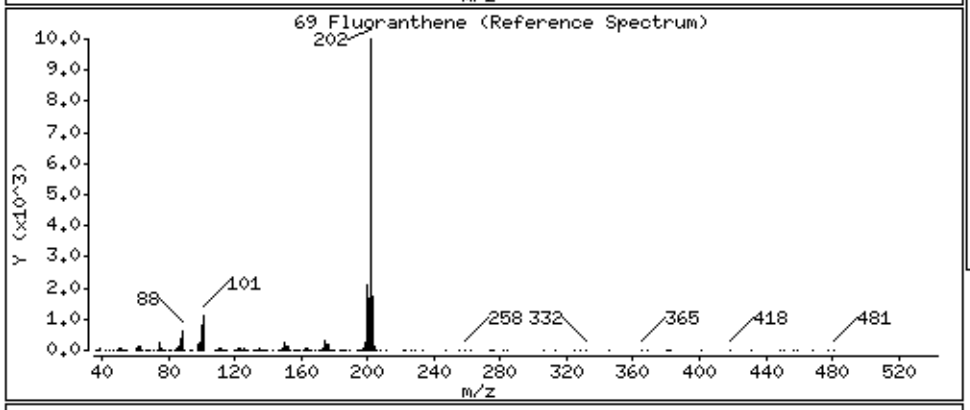
69 Fluoranthene Concentration: 580 ug/Kg

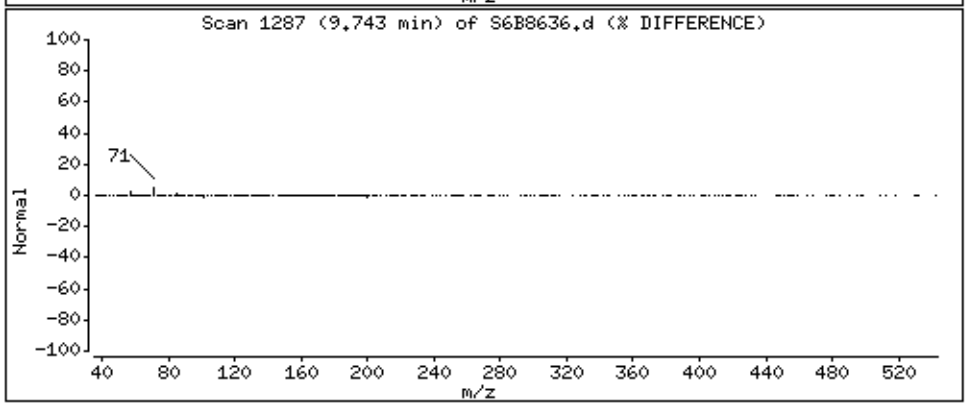












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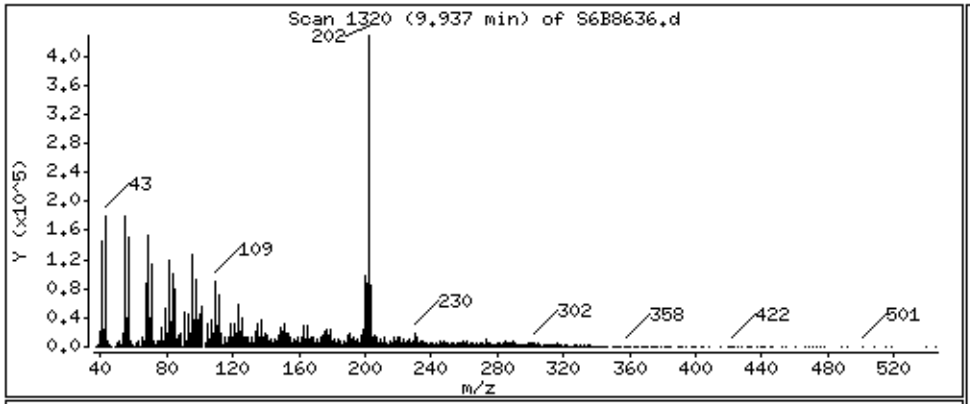
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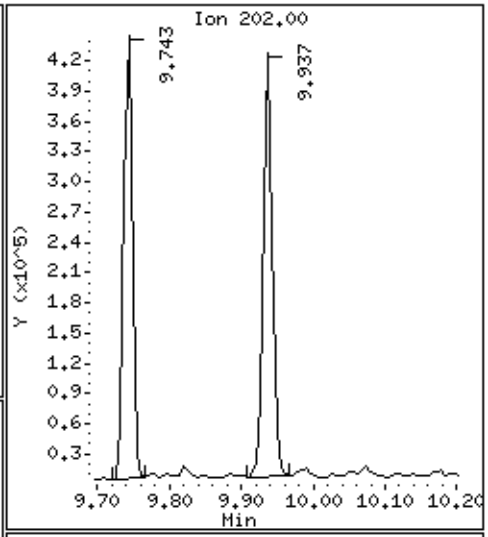
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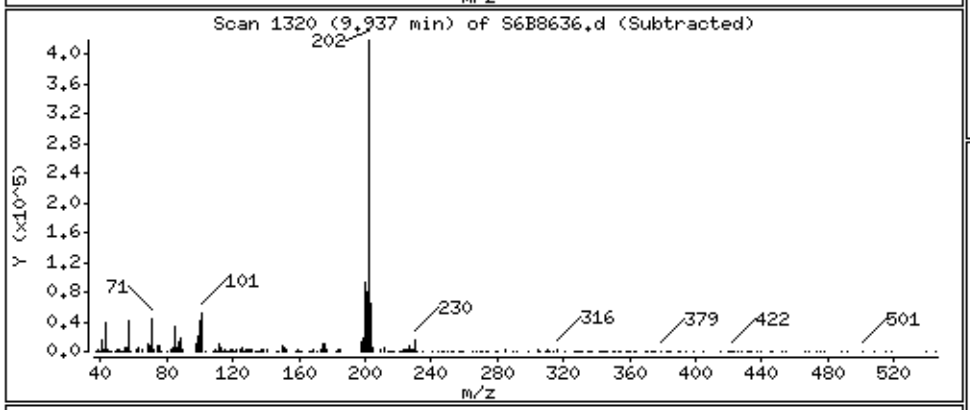
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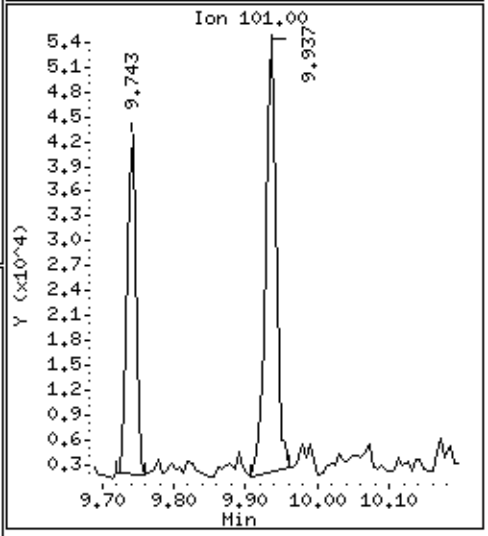
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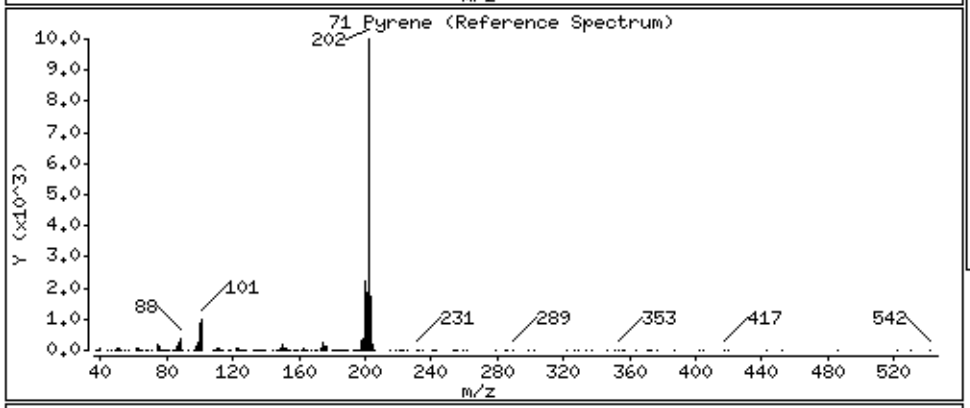
71 Pyrene Concentration: 540 ug/Kg

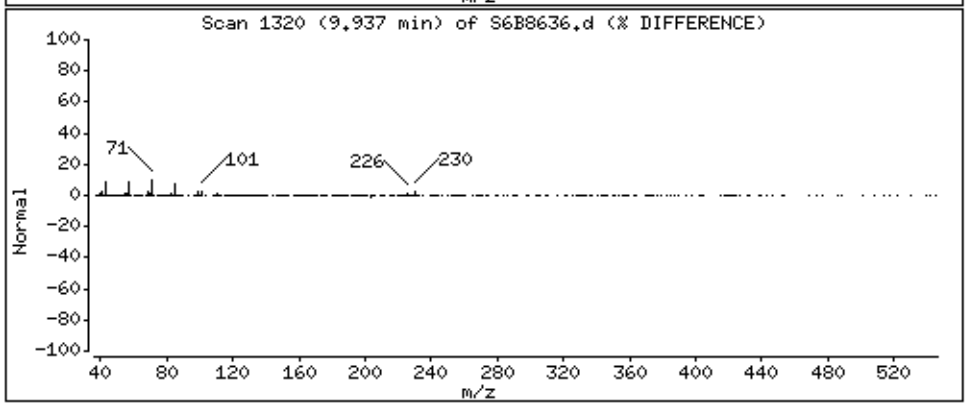












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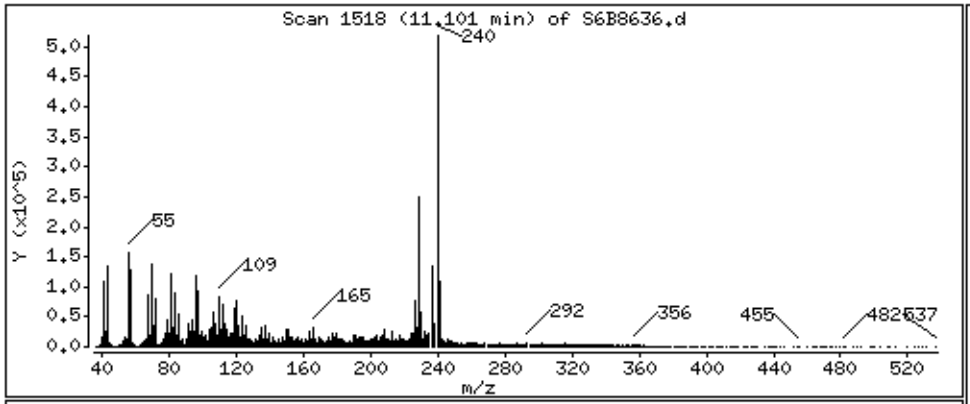
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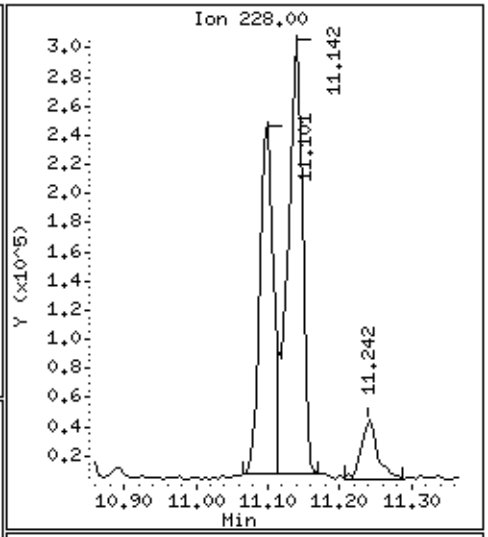
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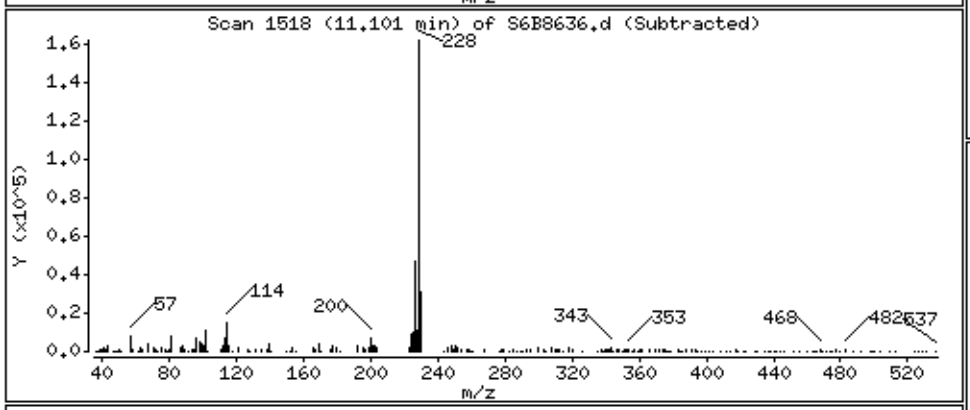
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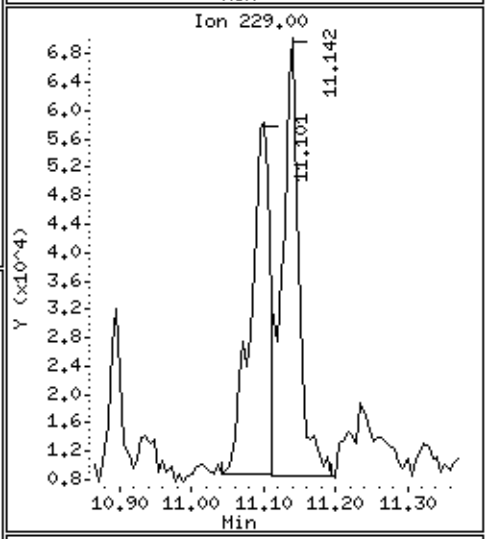
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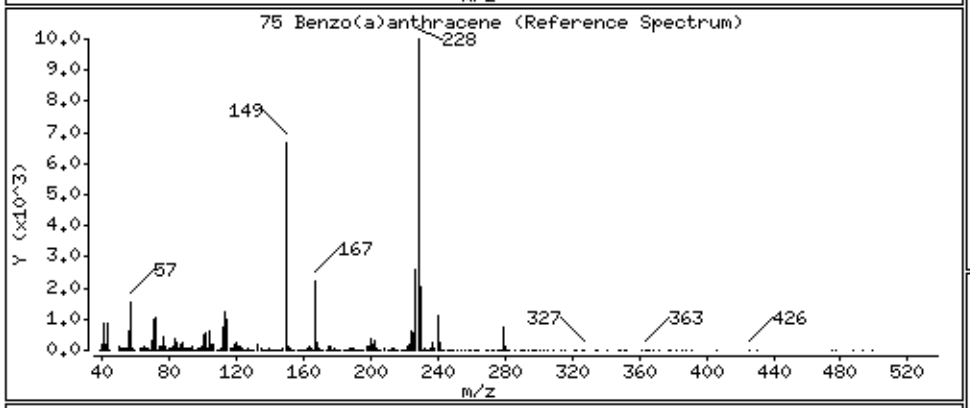
75 Benzo(a)anthracene Concentration: 500 ug/Kg

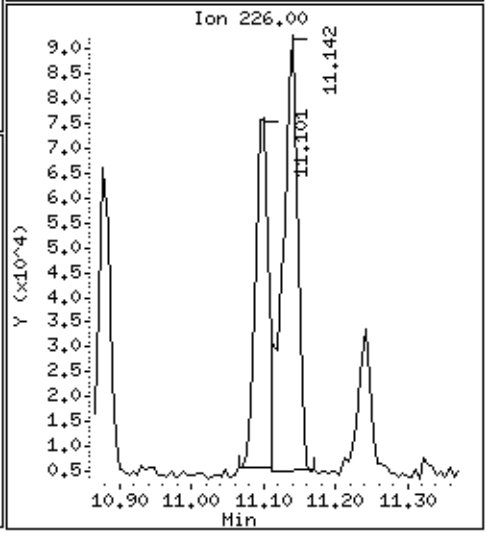


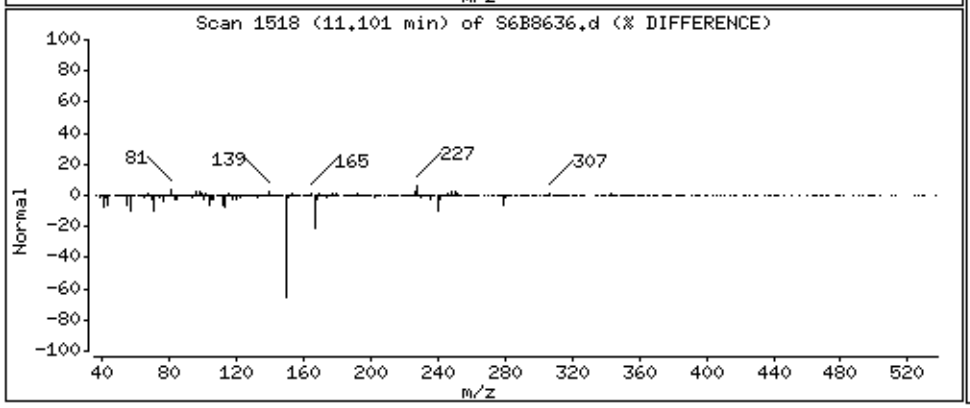












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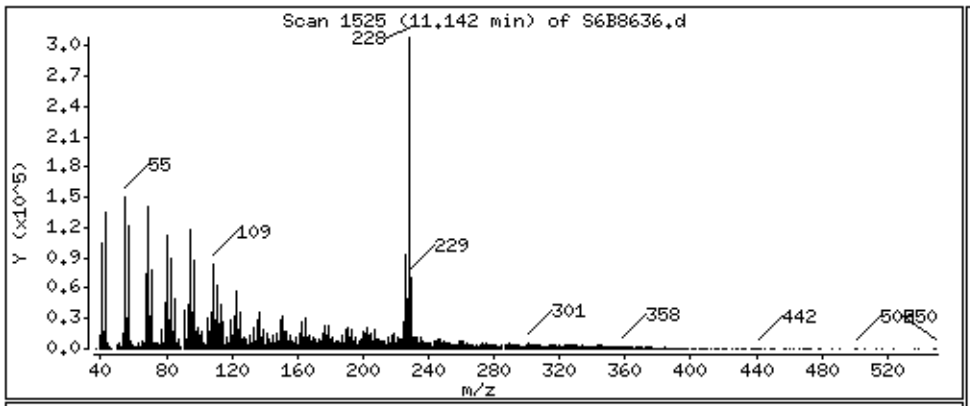
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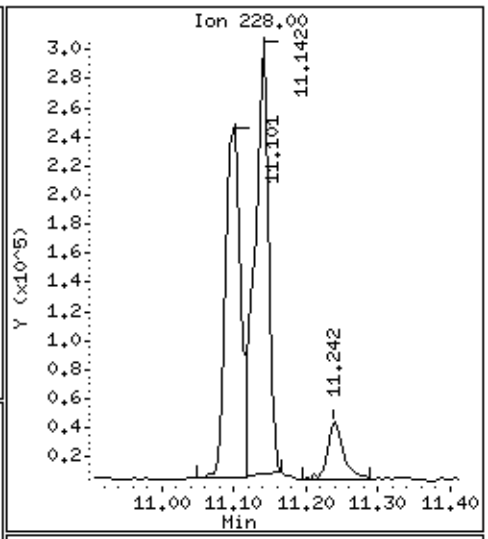
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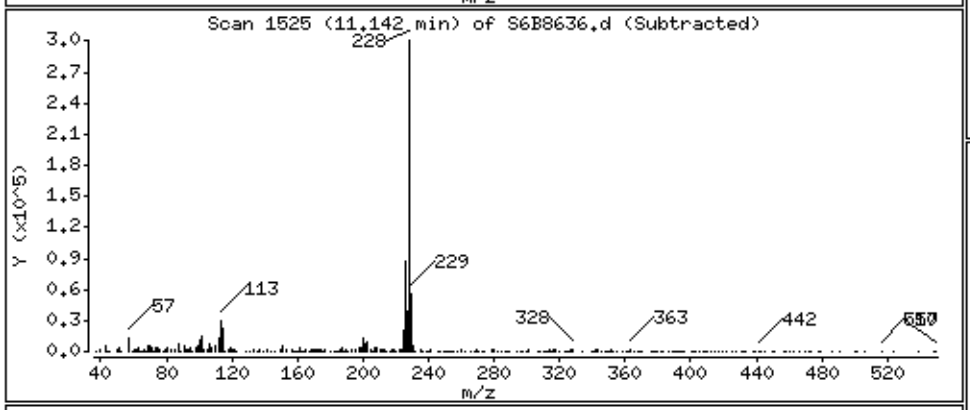
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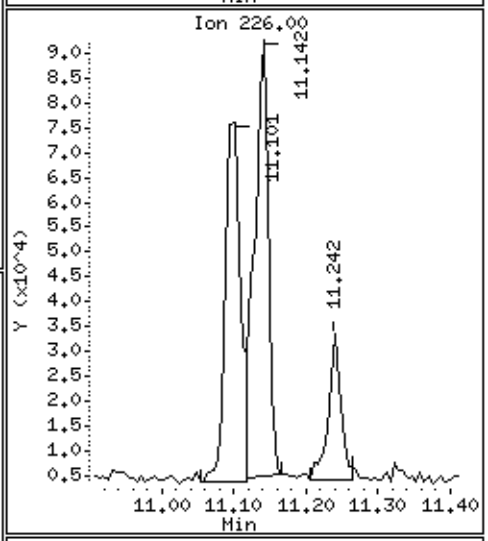
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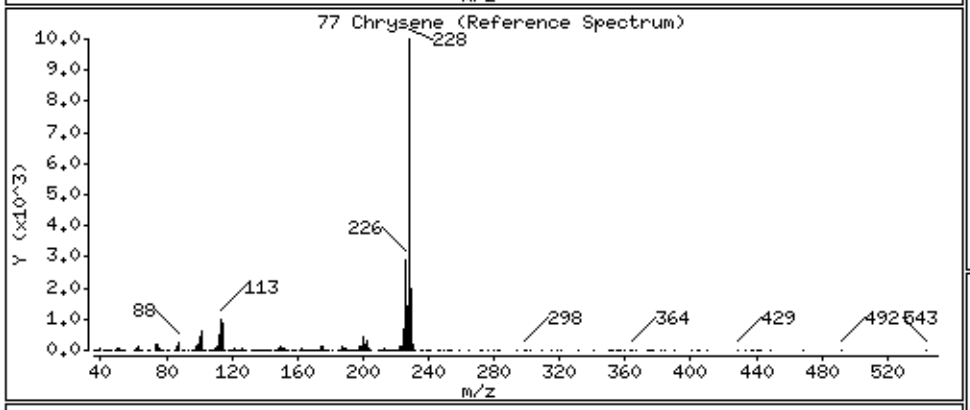
77 Chrysene Concentration: 690 ug/Kg

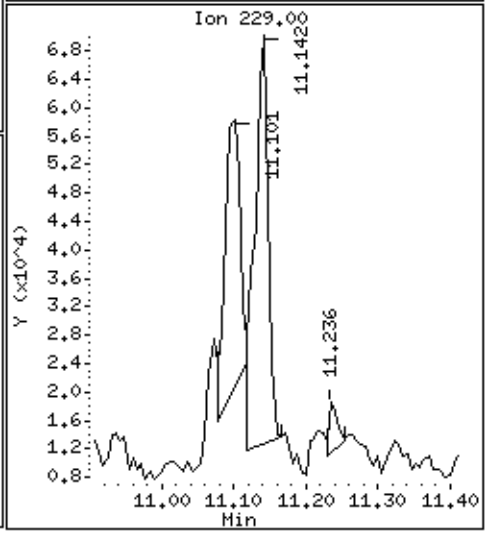


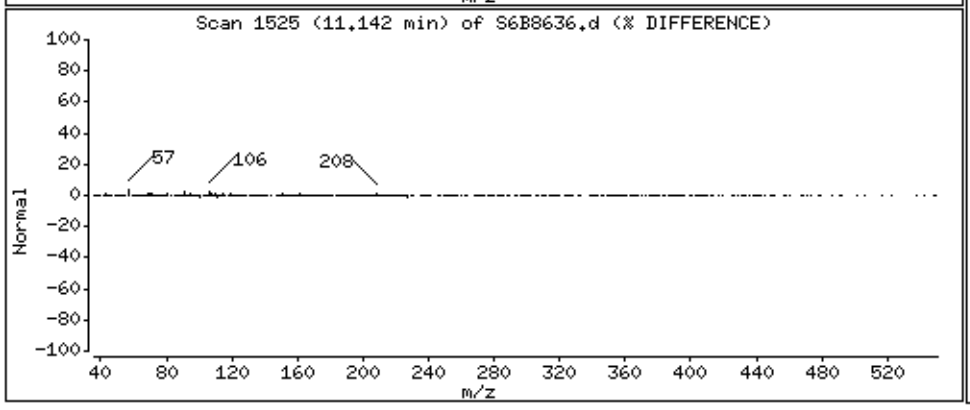












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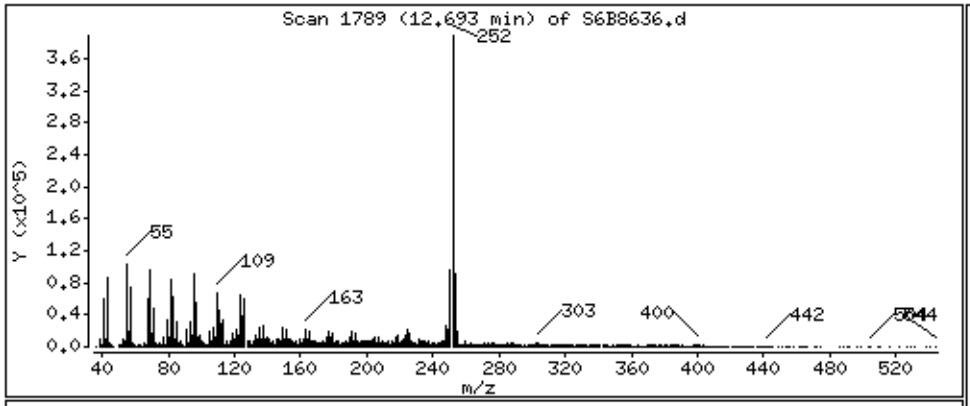
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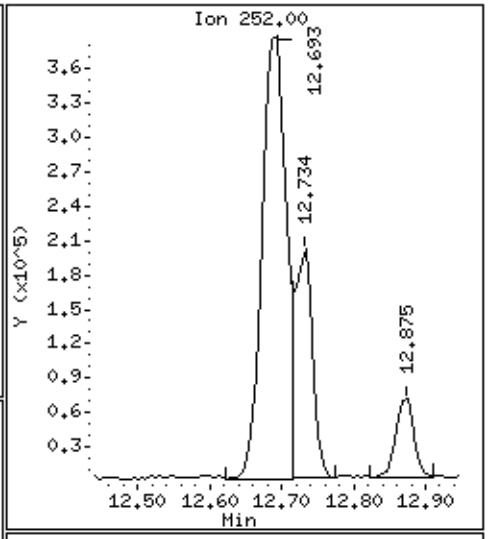
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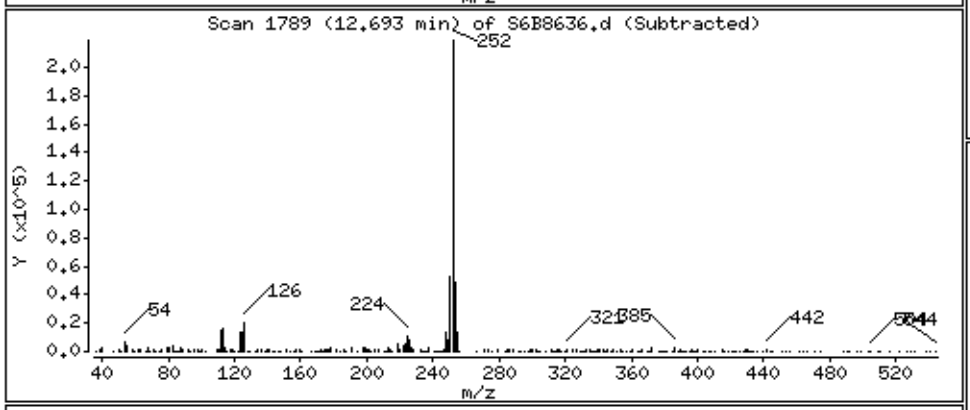
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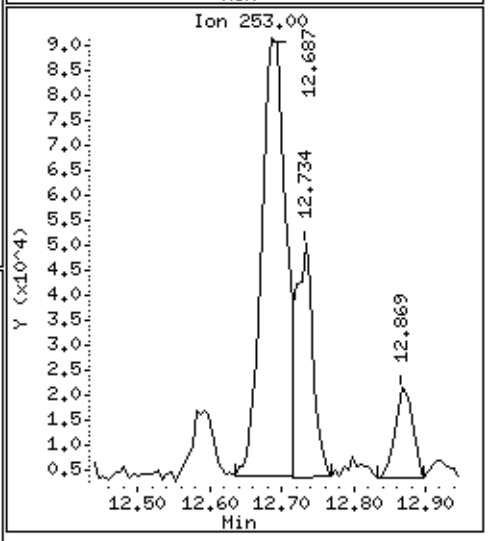
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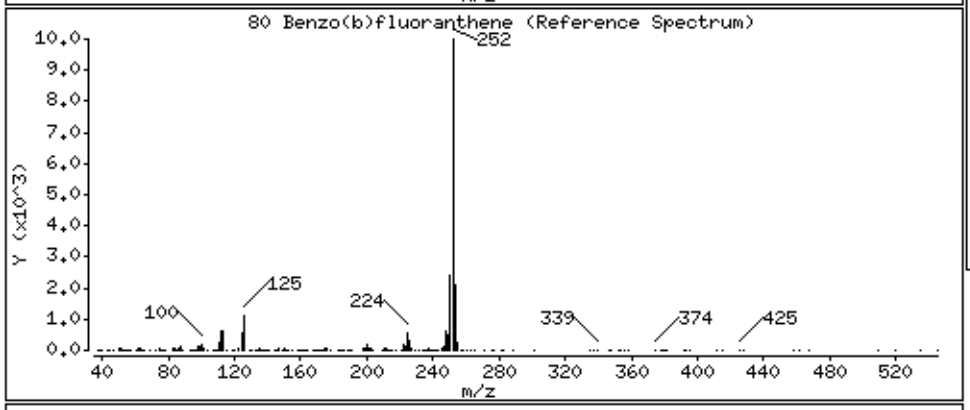
80 Benzo(b)fluoranthene Concentration: 1300 ug/Kg

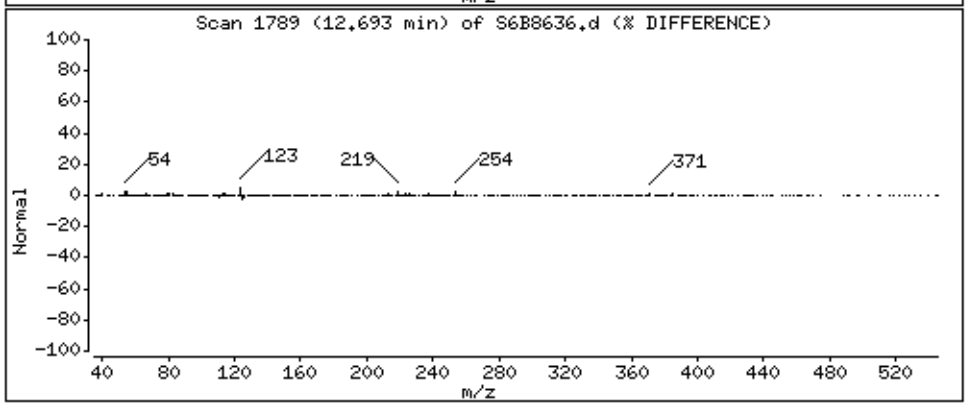












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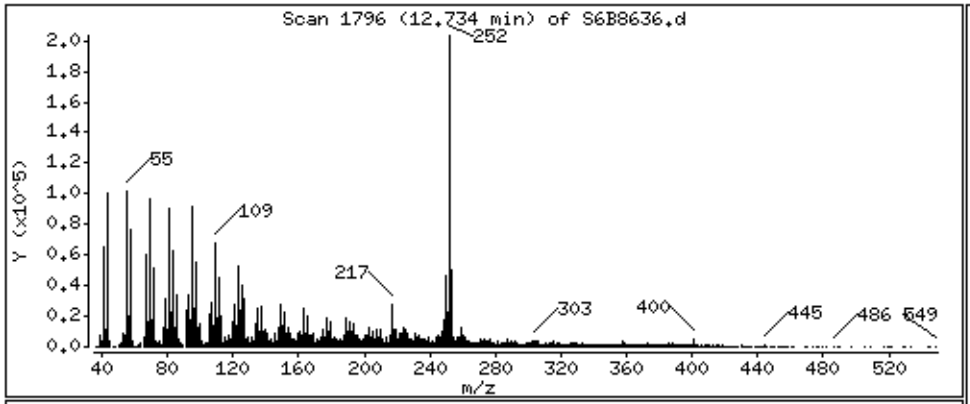
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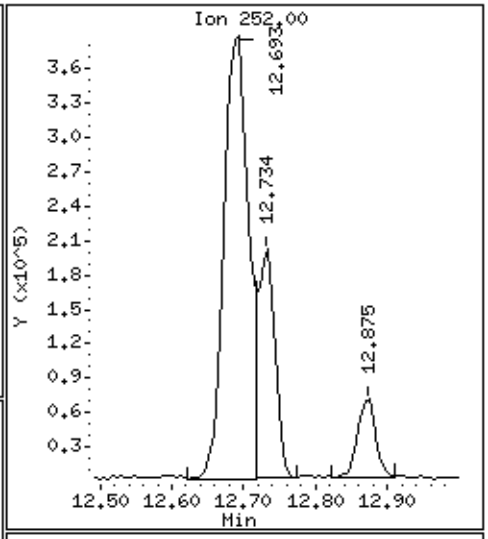
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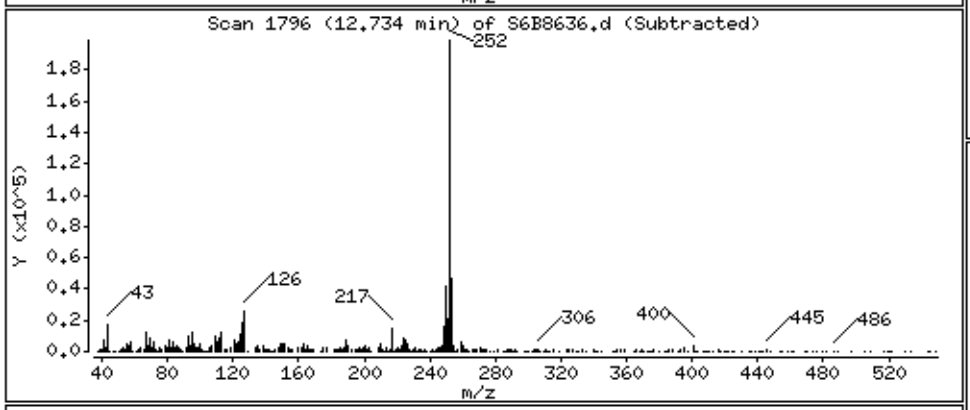
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

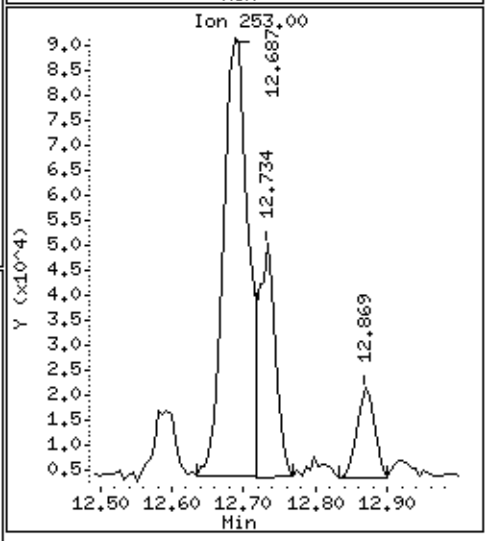
Column phase: Rxi-5Sil MS Column diameter: 0.25

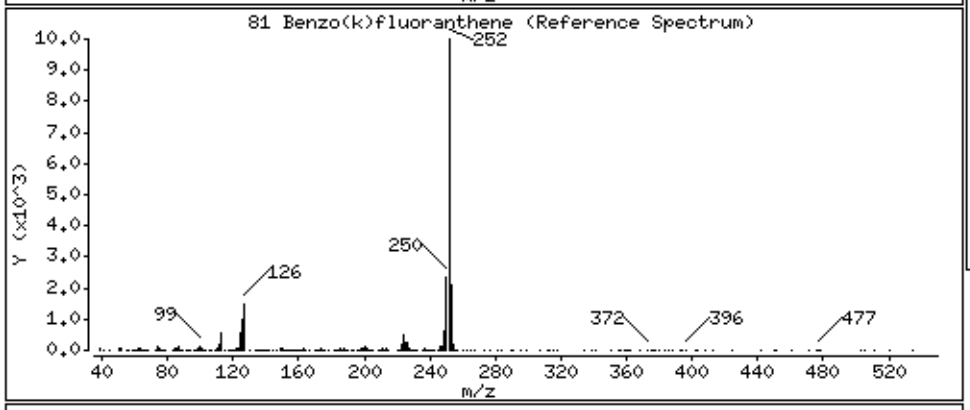
81 Benzo(k)fluoranthene Concentration: 500 ug/Kg

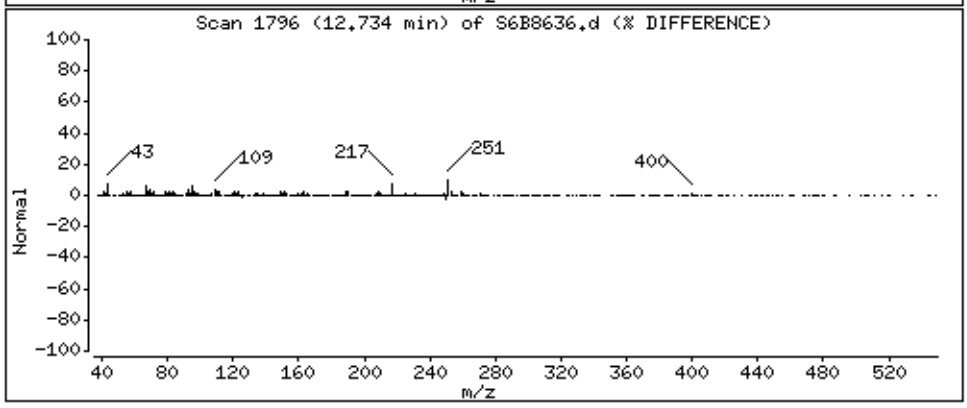












Data File: \\avogadro\organics\S6.I\140717.B\S6B8636.d

Date : 17-JUL-2014 18:33

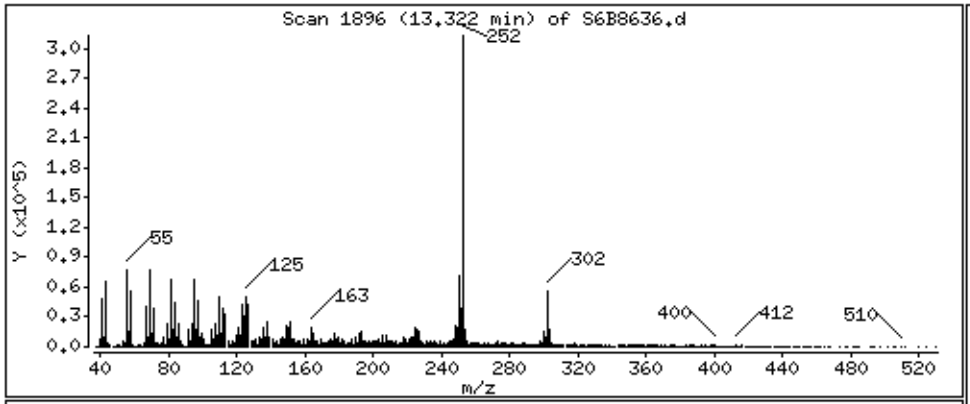
Client ID: SS-17-071014 Instrument: S6.i

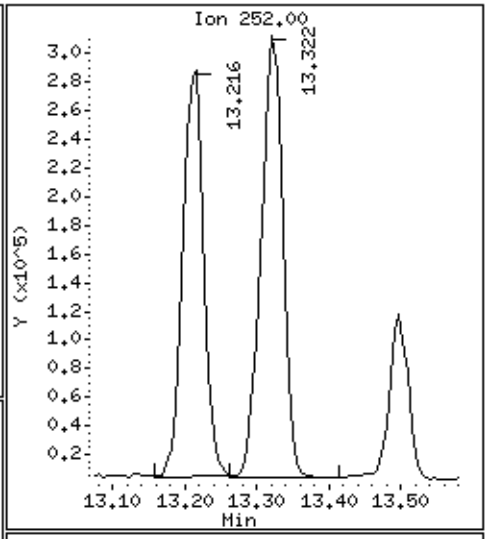
Sample Info: N1194-07A,,78074

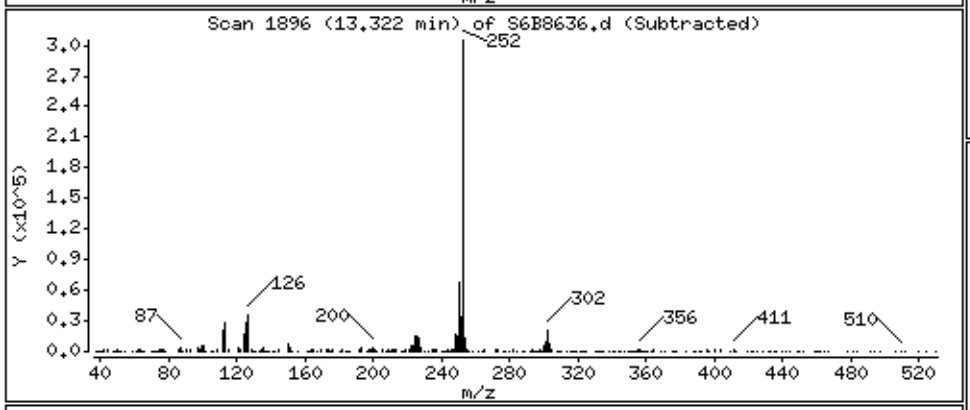
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

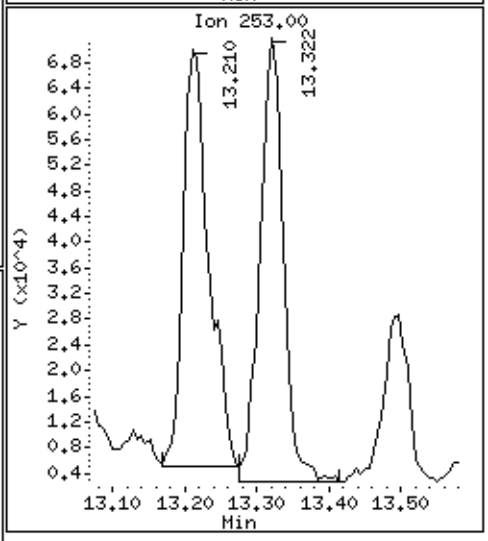
Column phase: Rxi-5Sil MS Column diameter: 0.25

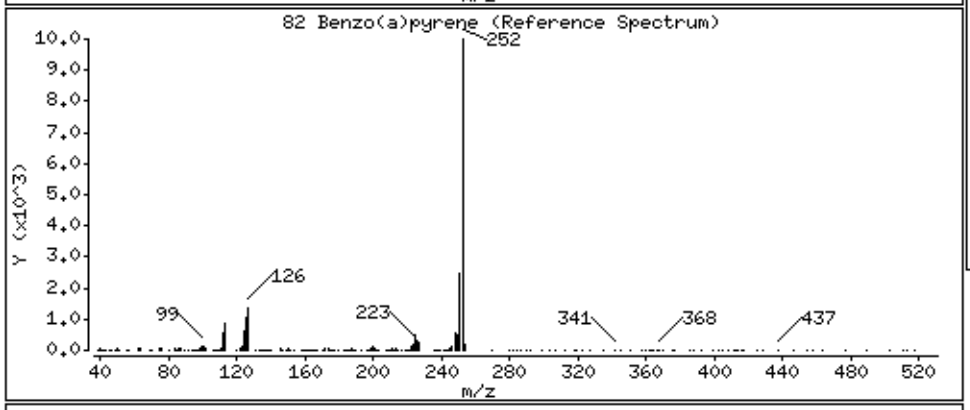
82 Benzo(a)pyrene Concentration: 980 ug/Kg

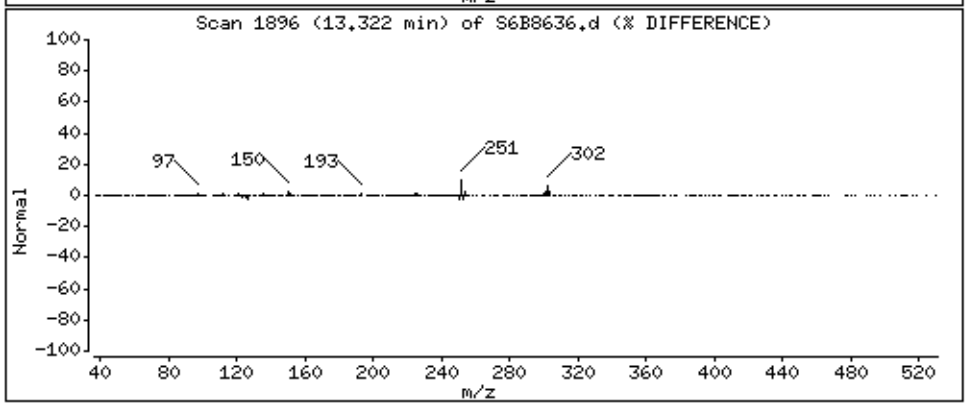












Data File: \\avogadro\organics\S6.I\140717.B\S6B8636.d

Date : 17-JUL-2014 18:33

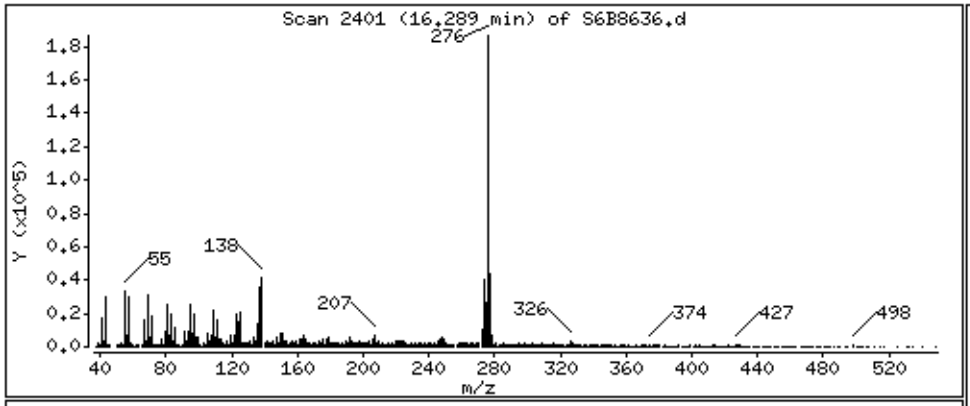
Client ID: SS-17-071014 Instrument: S6.i

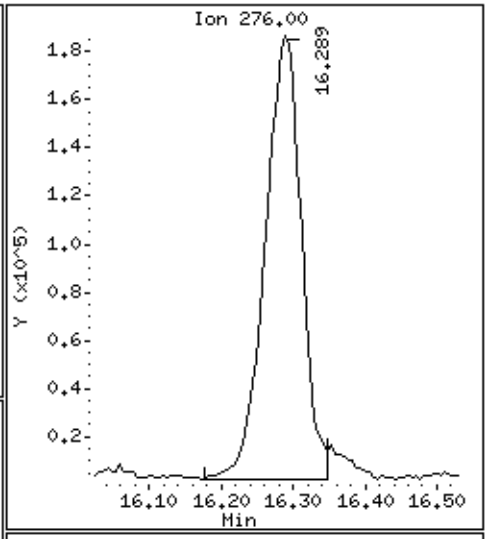
Sample Info: N1194-07A,,78074

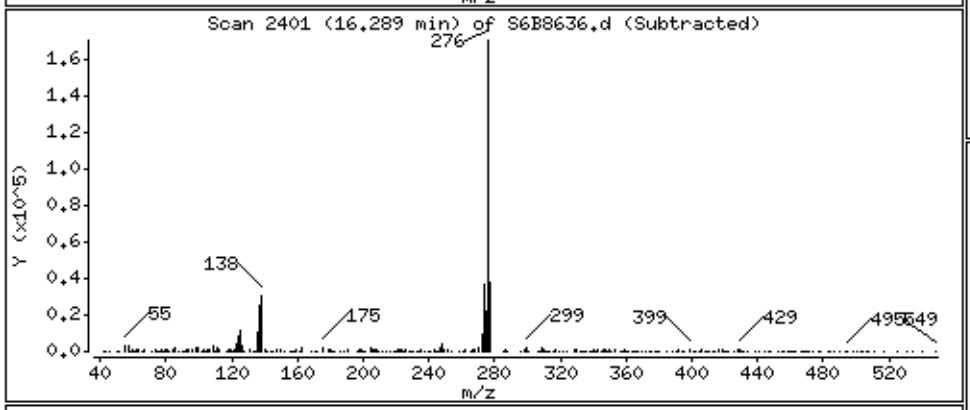
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

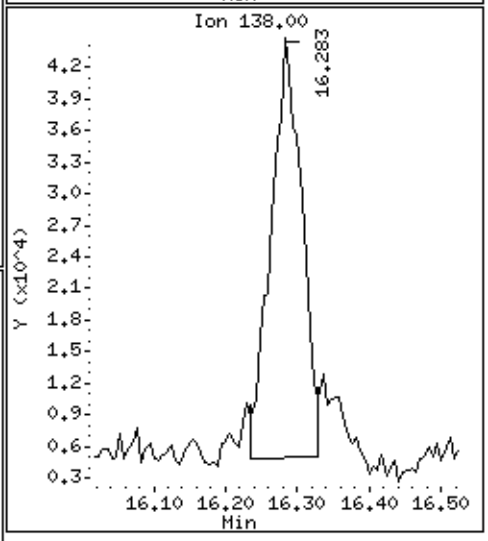
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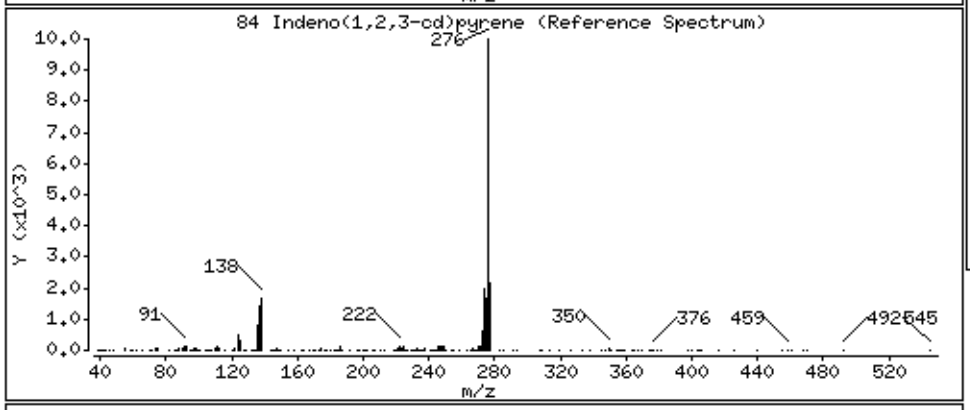
84 Indeno(1,2,3-cd)pyrene Concentration: 1100 ug/Kg

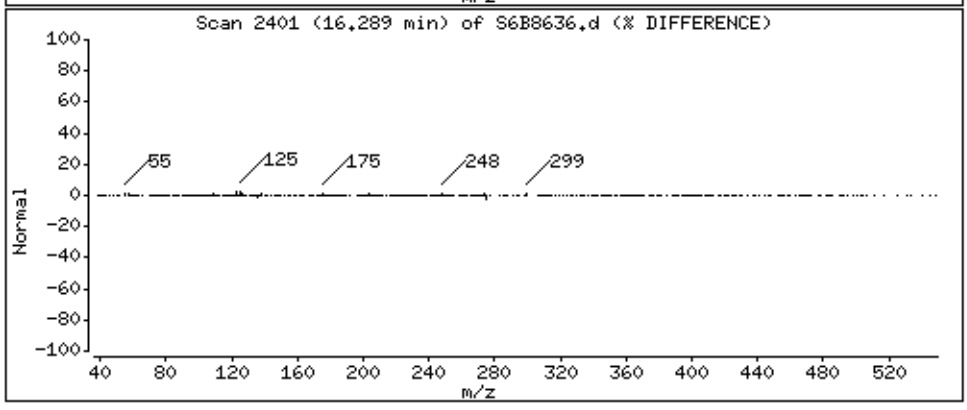












Data File: \\avogadro\organics\S6.I\140717.B\S6B8636.d

Date : 17-JUL-2014 18:33

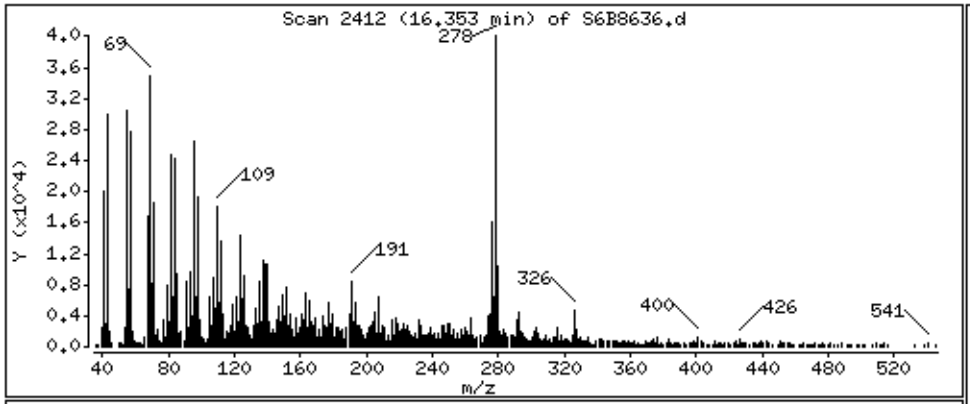
Client ID: SS-17-071014 Instrument: S6.i

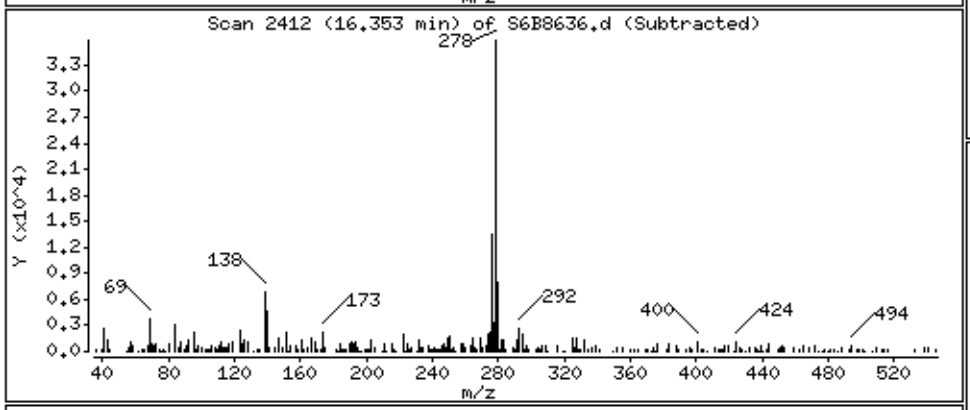
Sample Info: N1194-07A,,78074

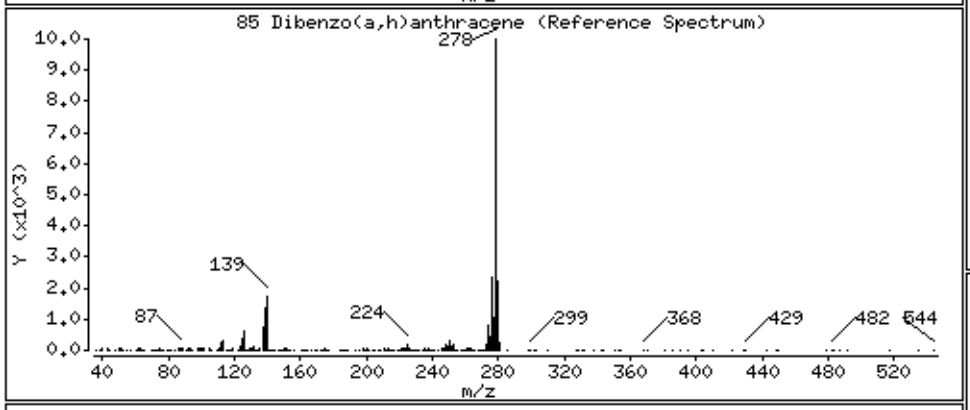
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

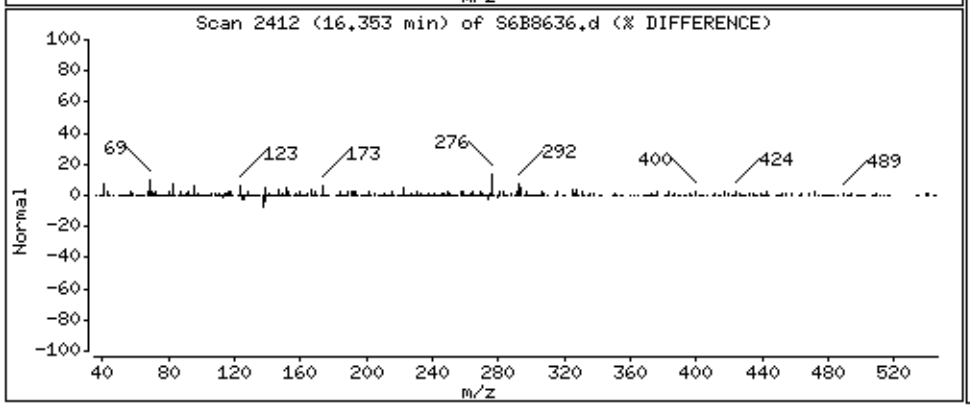
Column phase: Rxi-5Sil MS Column diameter: 0.25

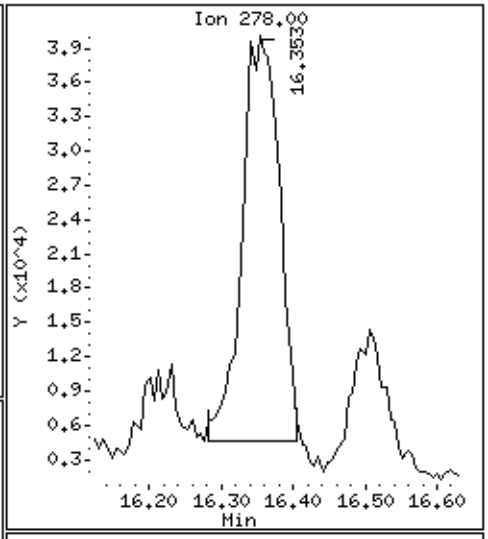
85 Dibenzo(a,h)anthracene Concentration: 230 ug/Kg

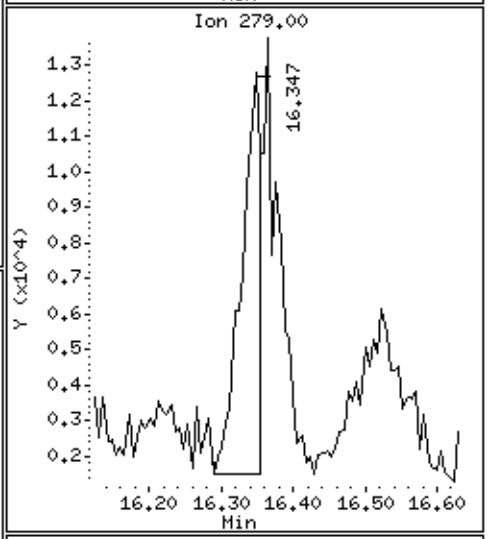


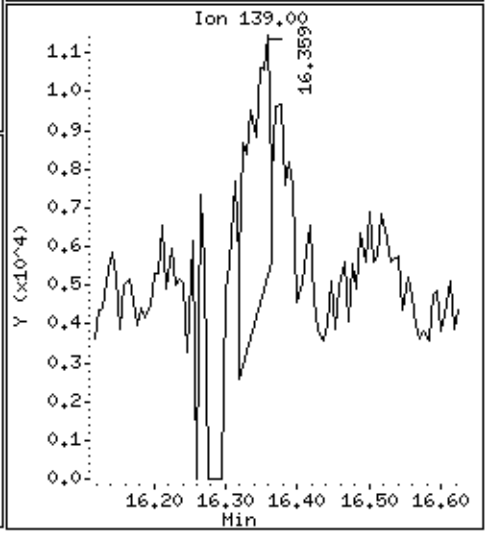












Data File: \\avogadro\organics\S6.I\140717.B\S6B8636.d

Date : 17-JUL-2014 18:33

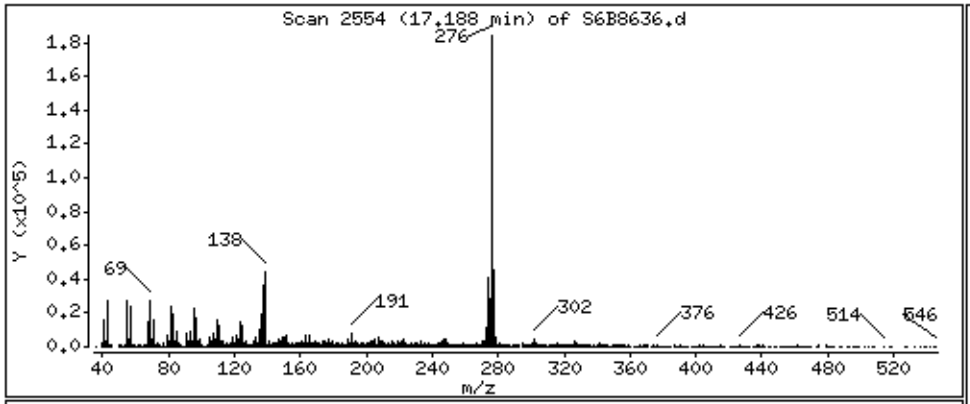
Client ID: SS-17-071014 Instrument: S6.i

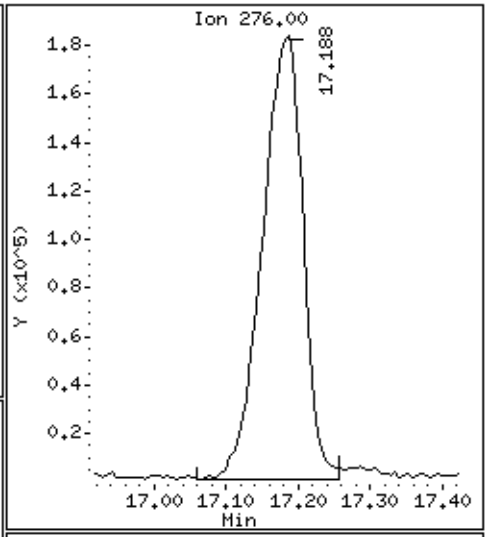
Sample Info: N1194-07A,,78074

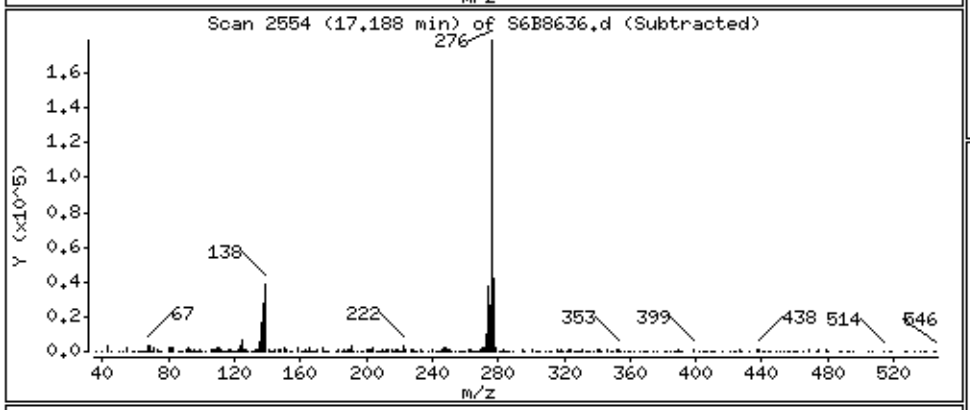
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

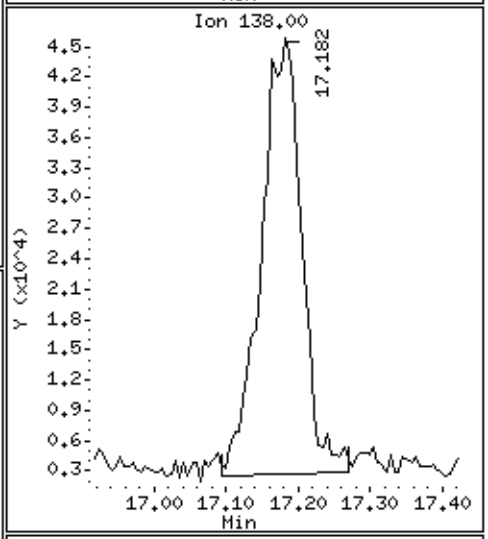
Column phase: Rxi-5Sil MS Column diameter: 0.25

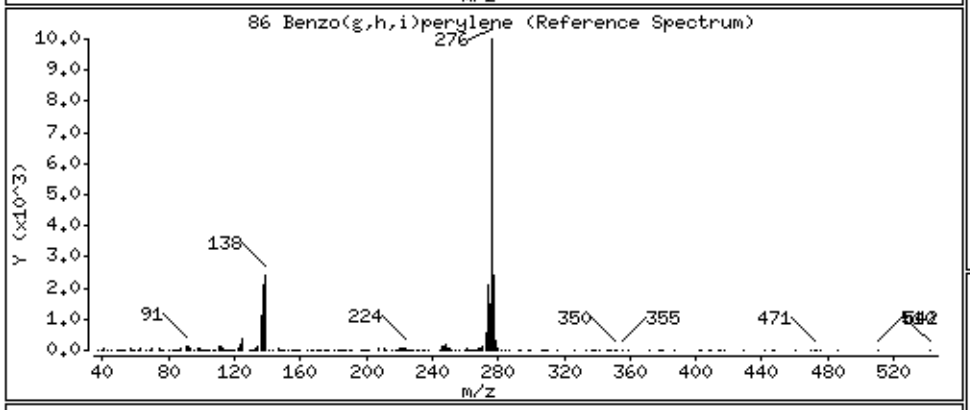
86 Benzo(g,h,i)perylene Concentration: 1200 ug/Kg

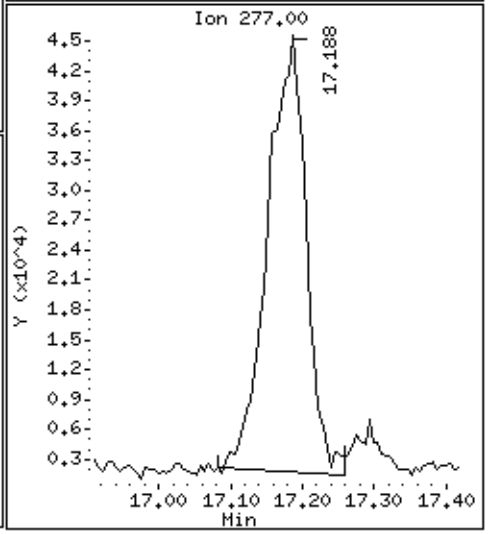


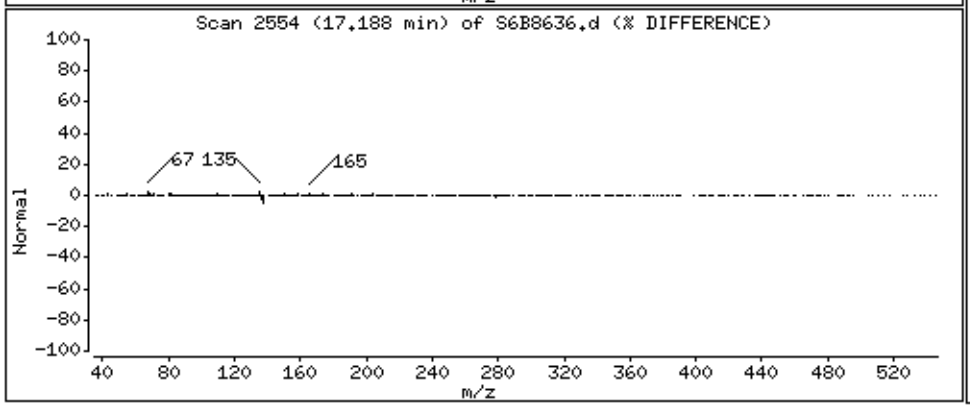








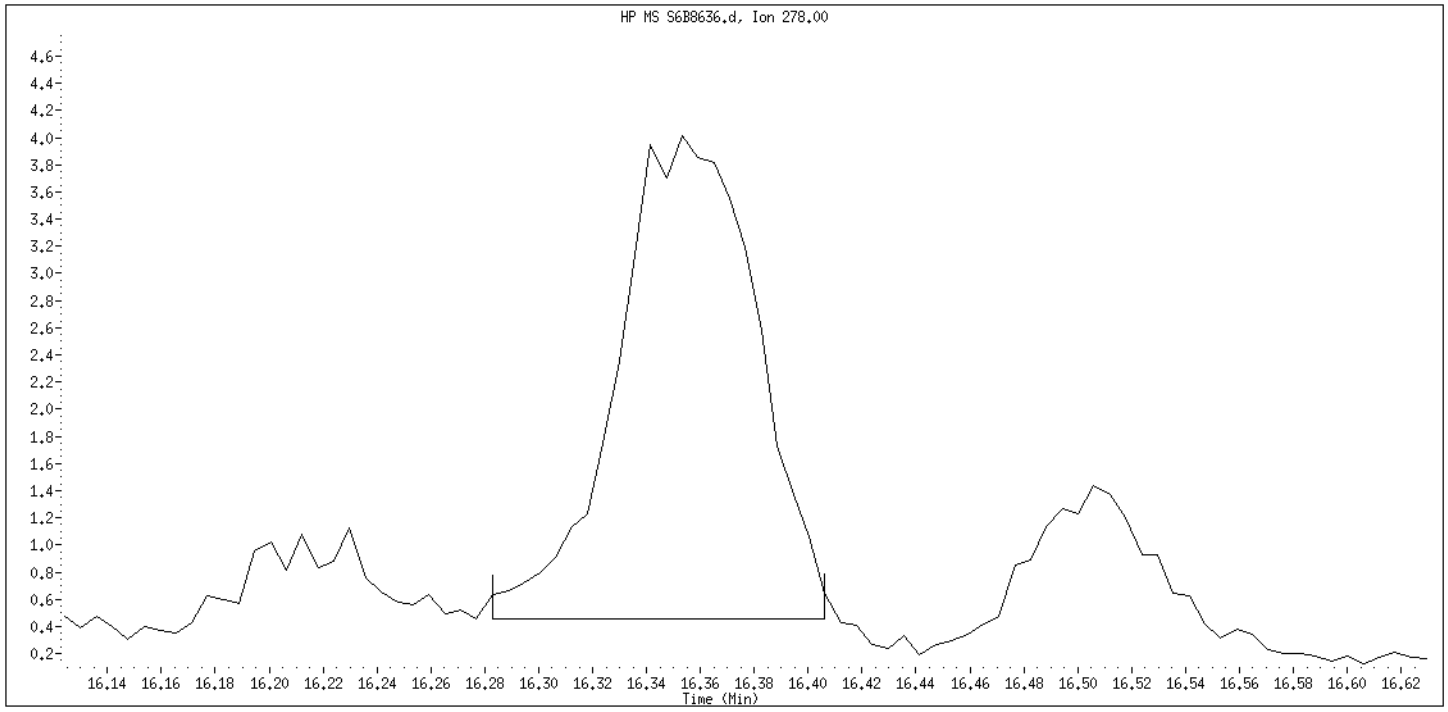




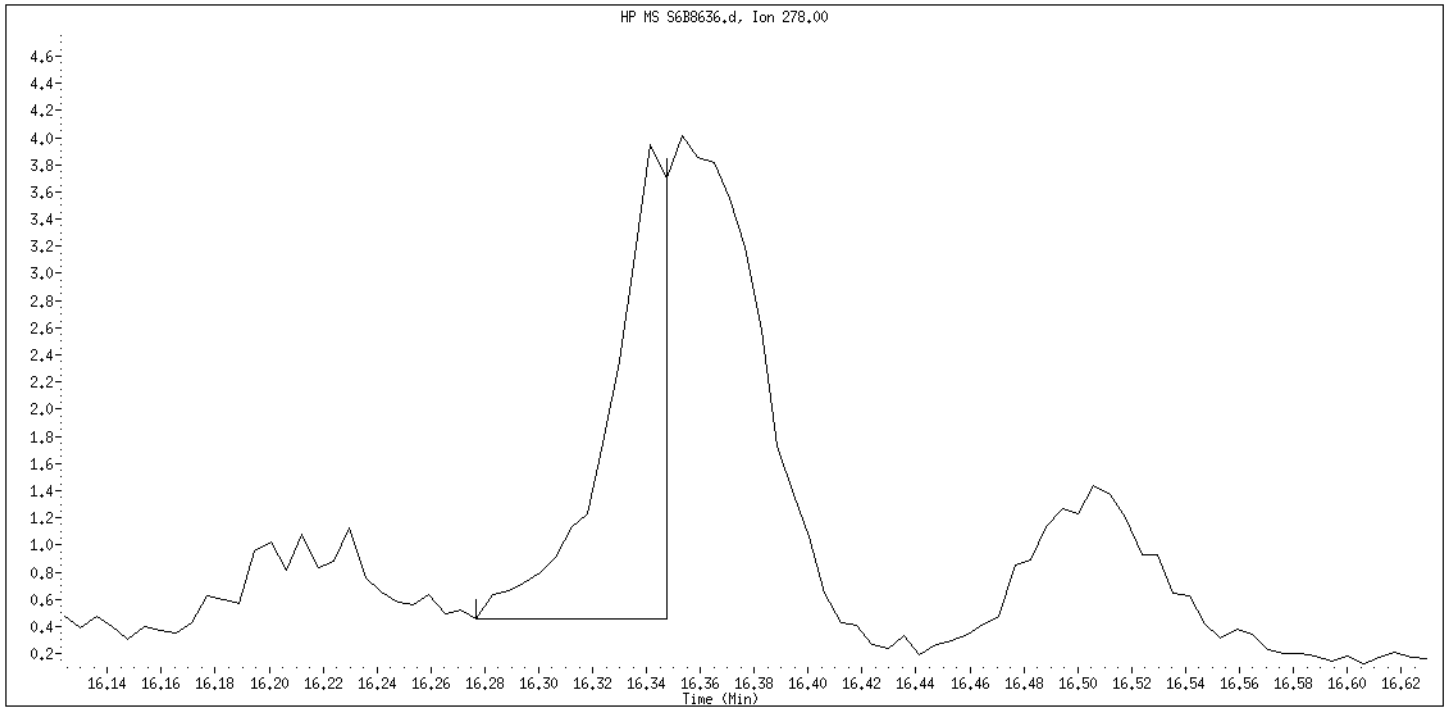
Manual Integration Report Data File: \\avogadro\organics\S6.I\140717.B\S6B8636.d

Lab ID: N1194-07A Client ID: SS-17-071014 Inj Vol: 1 uL
Inj Date: 17-JUL-2014 18:33 Operator: TM SRC: LIMS

Manual Integration Dibenzo(a,h)anthracene Ret Time: 16.353 min, Range: 16.283 to 16.406 min Response: 129489



Original Integration Dibenzo(a,h)anthracene Ret Time: 16.342 min, Range: 16.277 to 16.347 min Response: 54740



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-18-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-08A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8637.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	140	J
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	360	J
120-12-7	Anthracene	87	J
206-44-0	Fluoranthene	470	
129-00-0	Pyrene	430	
56-55-3	Benzo(a)anthracene	310	J
218-01-9	Chrysene	500	
205-99-2	Benzo(b)fluoranthene	630	
207-08-9	Benzo(k)fluoranthene	220	J
50-32-8	Benzo(a)pyrene	360	J
193-39-5	Indeno(1,2,3-cd)pyrene	320	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	340	J

Data File: \\avogadro\organics\S6.I\140717.B\S6B8637.d
Report Date: 18-Jul-2014 15:43

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8637.d
Lab Smp Id: N1194-08A Client Smp ID: SS-18-071014
Inj Date : 17-JUL-2014 18:56
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-08A,,78074
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.844	3.832	(0.775)	327198	36.4461	2400
$	5 Phenol-d5	99	4.660	4.655	(0.940)	405332	35.3661	2400
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	271035	40.0000	
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	403570	43.2766	2900
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	904755	40.0000	
	32 Naphthalene	128	6.053	6.053	(1.003)	38528	1.68996	110(a)
	36 2-Methylnaphthalene	142	6.629	6.629	(1.098)	36646	2.32317	150(a)
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	857173	42.1176	2800
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	581561	40.0000	
$	60 2,4,6-Tribromophenol	330	8.151	8.156	(0.933)	103336	41.3335	2800
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1085947	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.002)	130178	4.43936	300(a)
	66 Anthracene	178	8.791	8.797	(1.007)	31888	1.06730	71(a)
	69 Fluoranthene	202	9.743	9.749	(1.116)	191993	5.72088	380(a)
	71 Pyrene	202	9.937	9.949	(0.894)	214561	5.23424	350(a)
$	72 Terphenyl-d14	244	10.054	10.060	(0.905)	1082641	40.6635	2700
	75 Benzo(a)anthracene	228	11.094	11.112	(0.998)	146024	3.84264	260(a)
*	76 Chrysene-d12	240	11.112	11.130	(1.000)	1330938	40.0000	
	77 Chrysene	228	11.135	11.159	(1.002)	212636	6.09669	410(a)

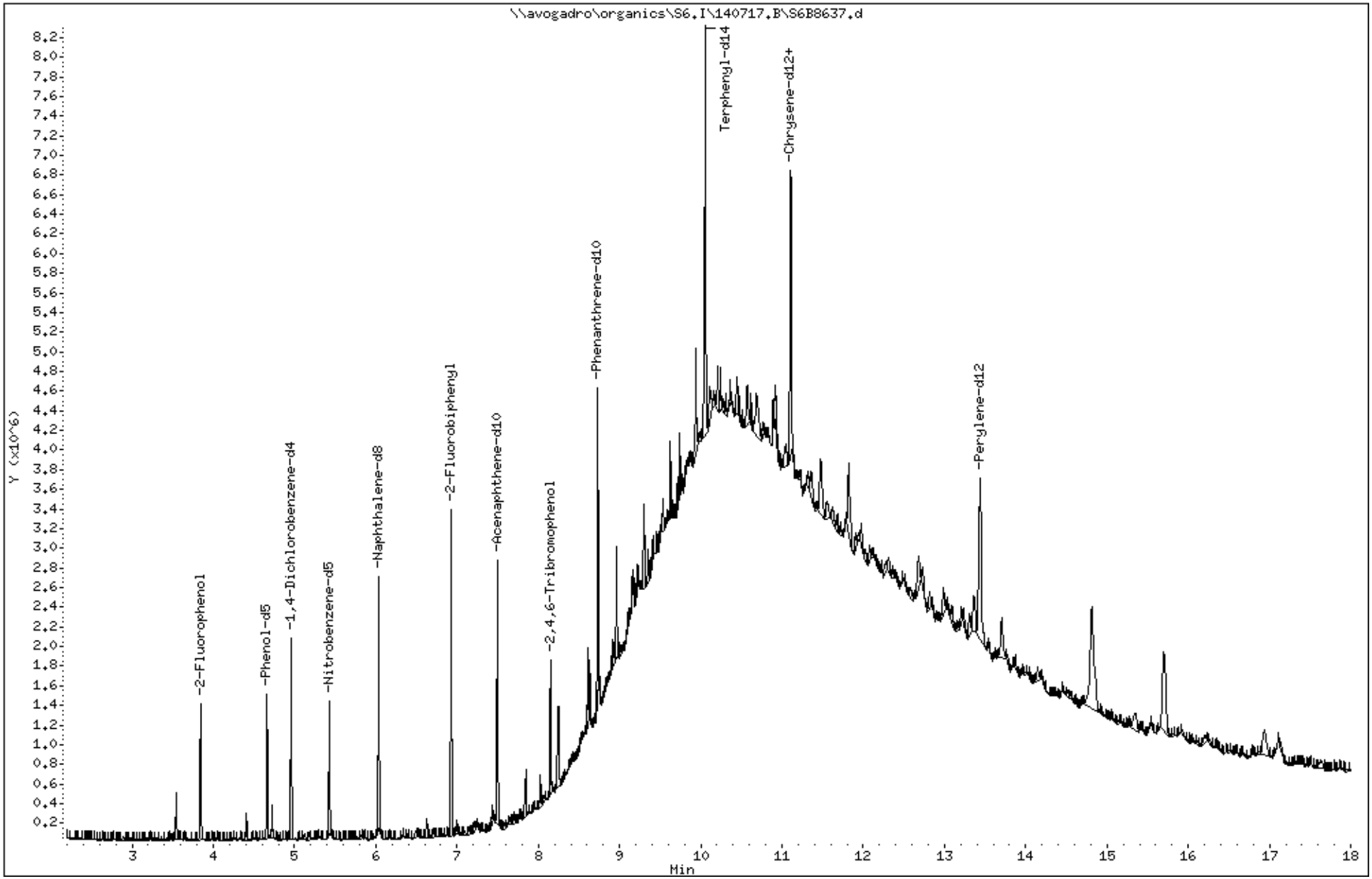
Data File: \\avogadro\organics\S6.I\140717.B\S6B8637.d
Report Date: 18-Jul-2014 15:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	80 Benzo(b)fluoranthene	252	12.675	12.692	(0.943)	307142	7.76917	520(a)
	81 Benzo(k)fluoranthene	252	12.716	12.745	(0.946)	109075	2.71737	180(a)
	82 Benzo(a)pyrene	252	13.309	13.327	(0.990)	166384	4.41127	290(a)
*	83 Perylene-d12	264	13.439	13.450	(1.000)	1344668	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	16.253	16.277	(1.209)	129720	3.94162	260(a)
	86 Benzo(g,h,i)perylene	276	17.146	17.170	(1.276)	142771	4.20083	280(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\avogadro\organics\S6.I\140717.B\S6B8637.d
Date : 17-JUL-2014 18:56
Client ID: SS-18-071014
Instrument: S6.i
Sample Info: N1194-08A,,78074
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8637.d

Date : 17-JUL-2014 18:56

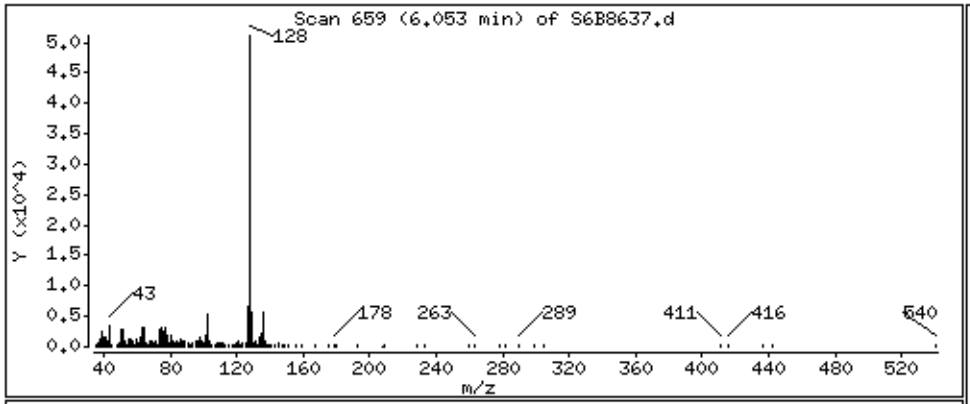
Client ID: SS-18-071014 Instrument: S6.i

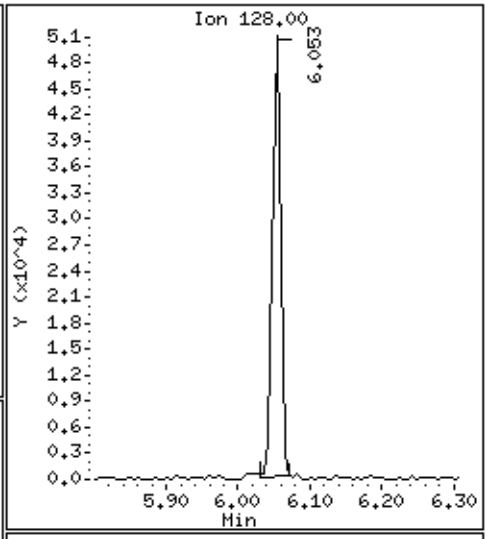
Sample Info: N1194-08A,,78074

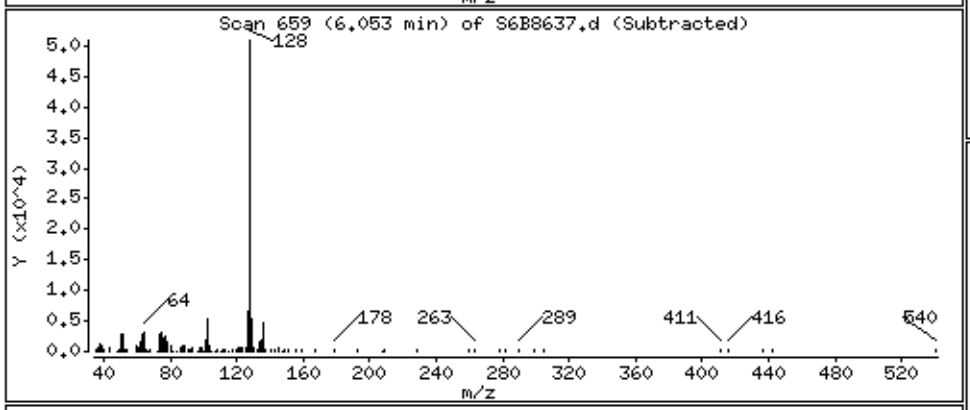
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

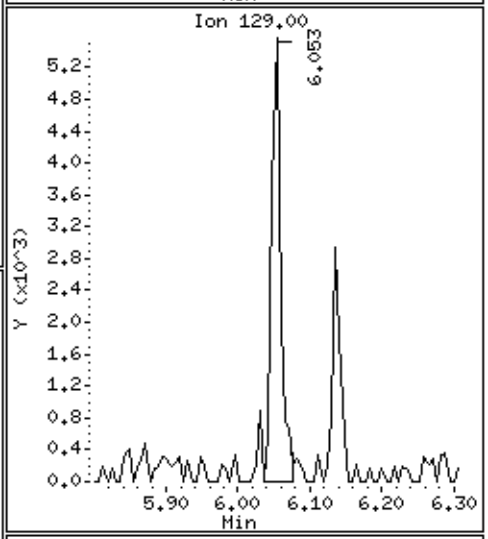
Column phase: Rxi-5Sil MS Column diameter: 0.25

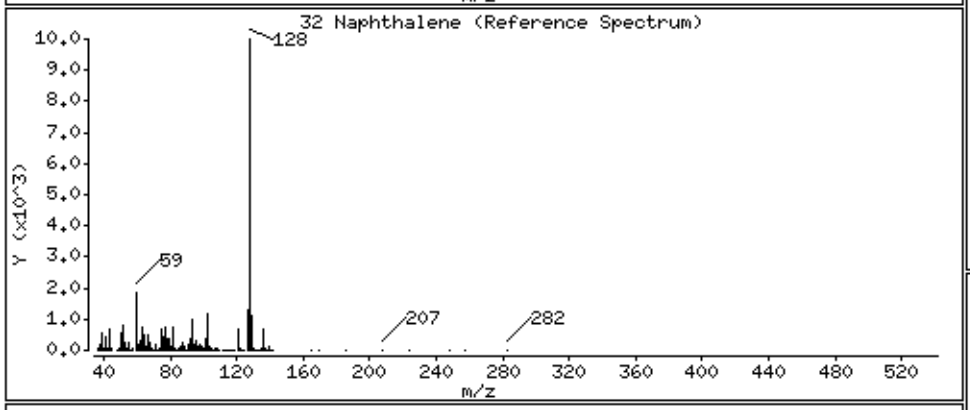
32 Naphthalene Concentration: 110 ug/Kg

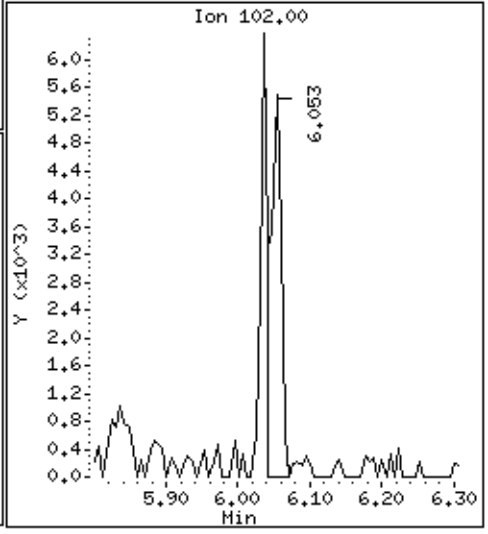


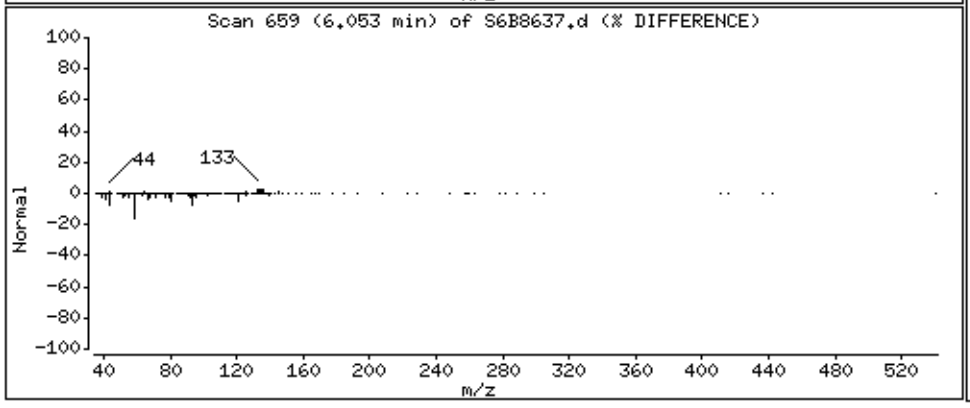












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Date : 17-JUL-2014 18:56

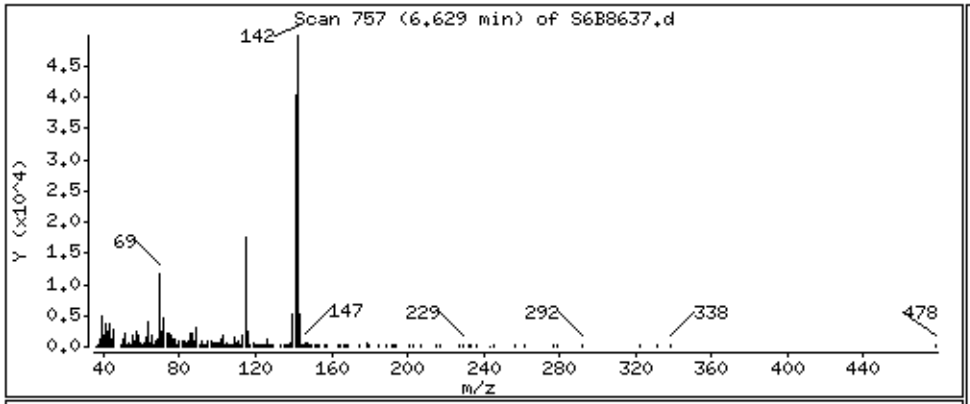
Client ID: SS-18-071014 Instrument: S6.i

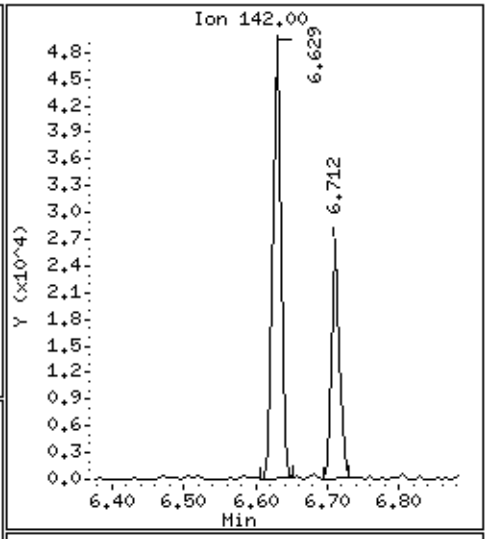
Sample Info: N1194-08A,,78074

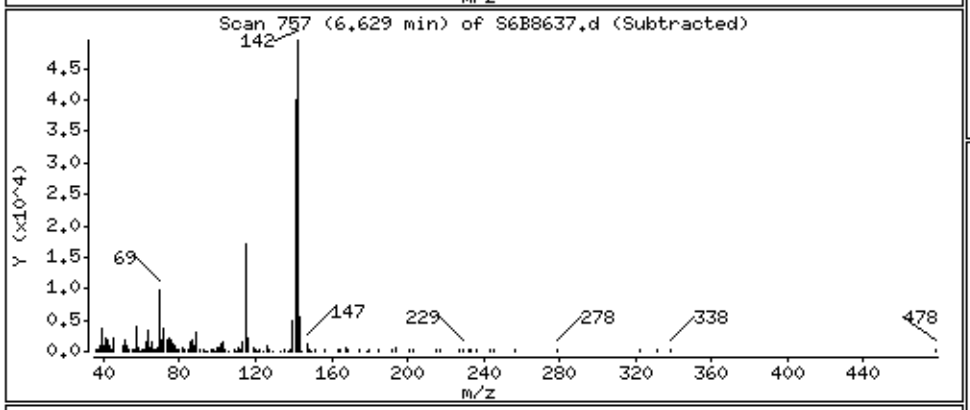
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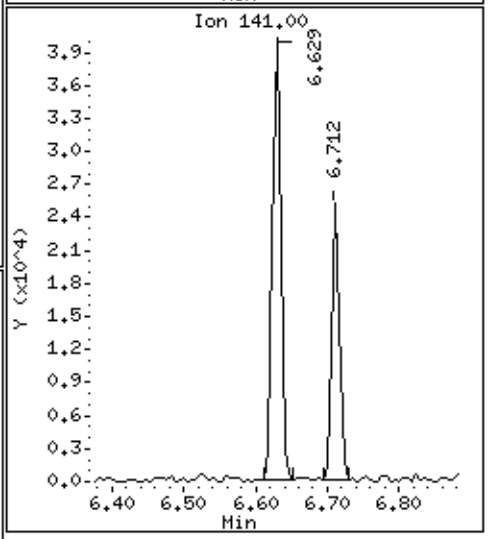
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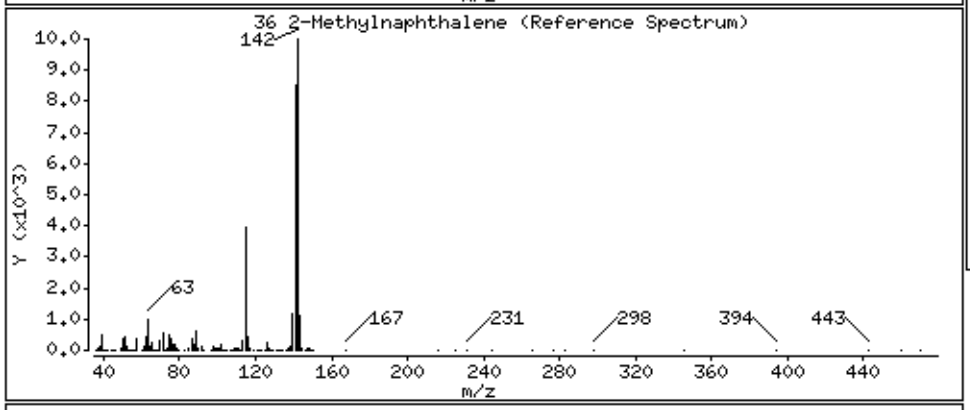
36 2-Methylnaphthalene Concentration: 150 ug/Kg

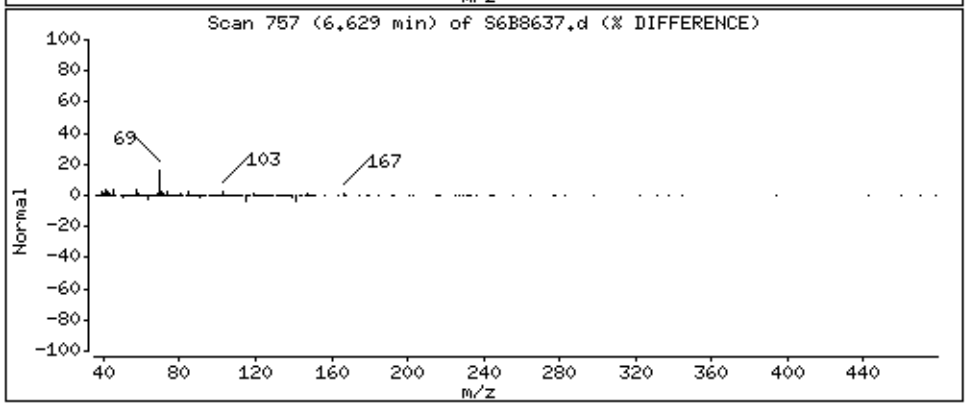












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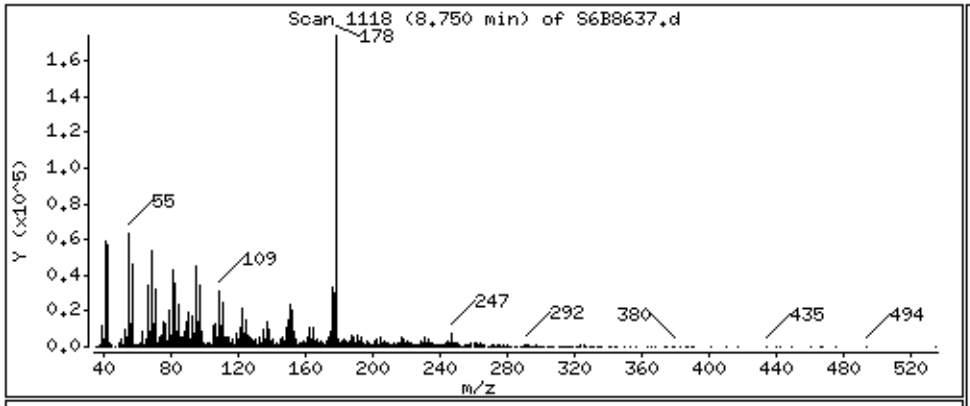
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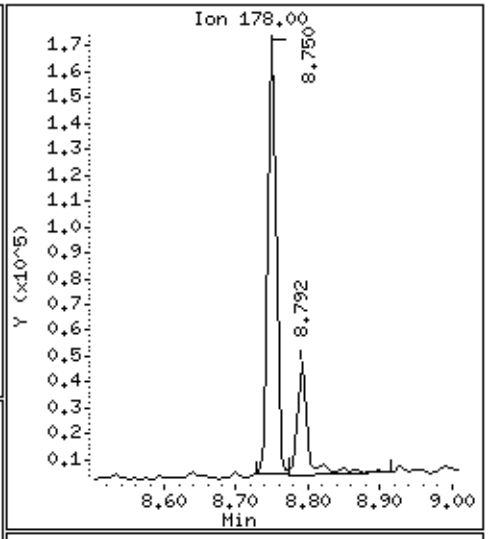
Sample Info: N1194-08A,,78074

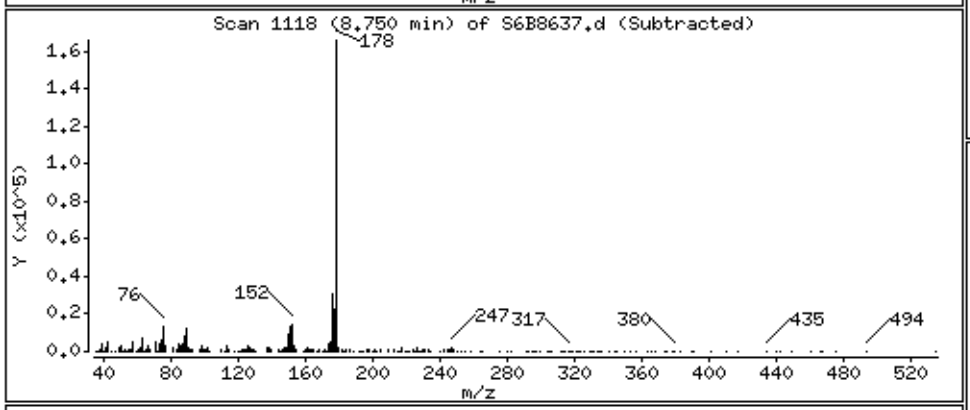
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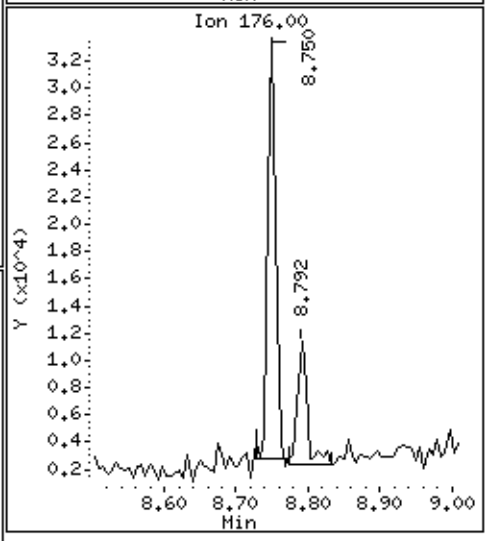
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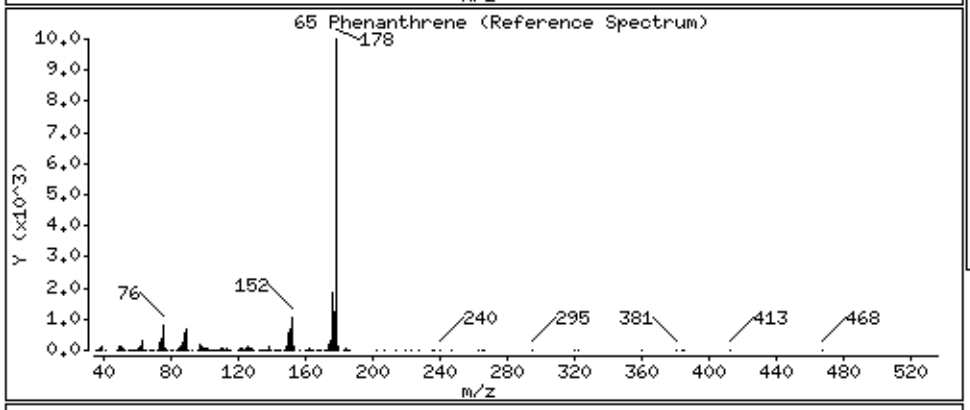
65 Phenanthrene Concentration: 300 ug/Kg

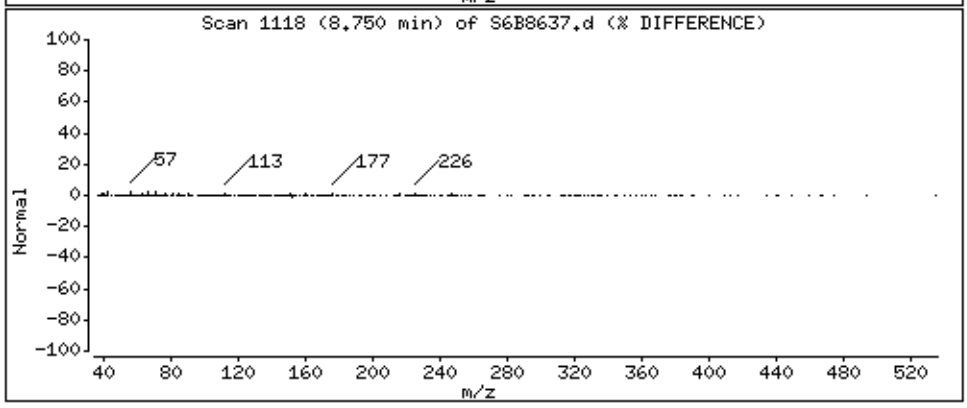












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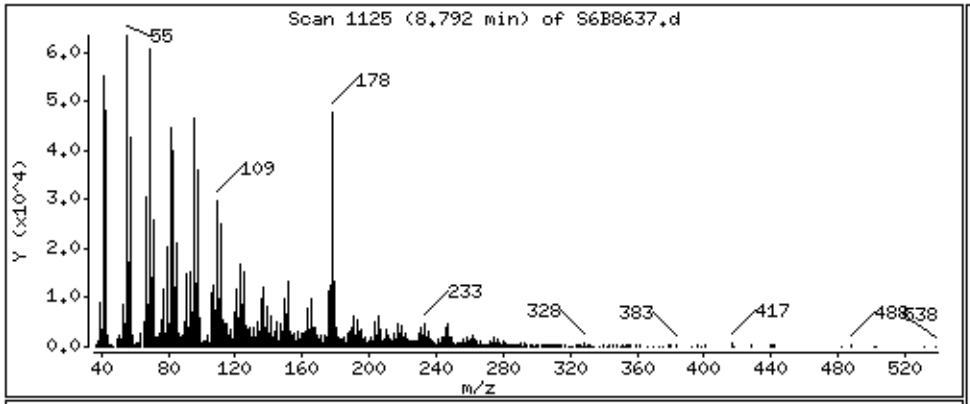
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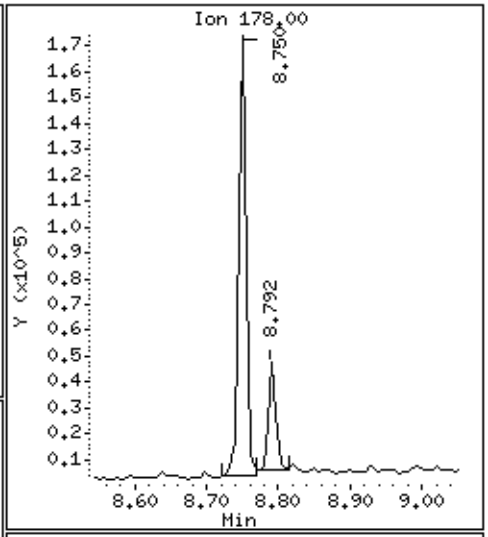
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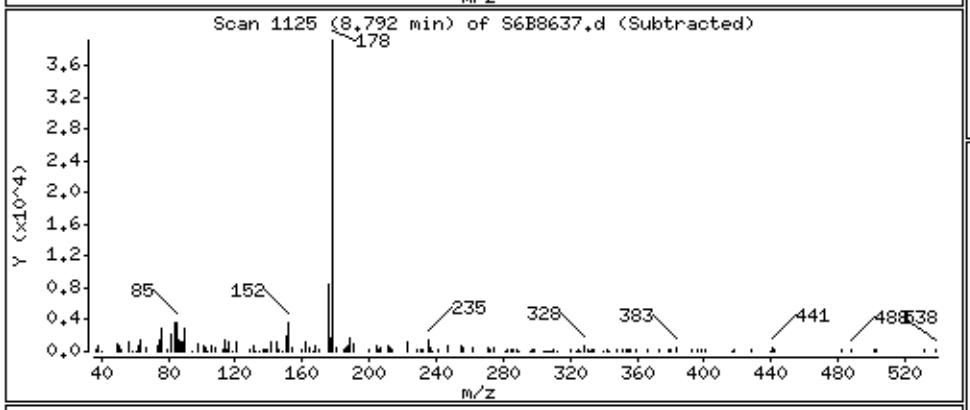
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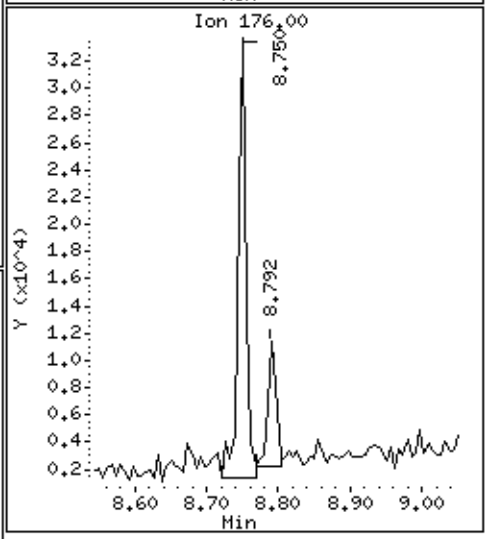
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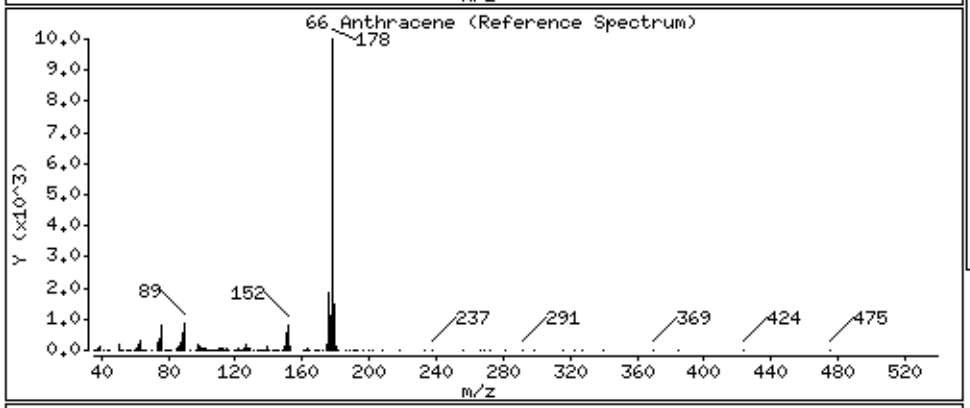
66 Anthracene Concentration: 71 ug/Kg

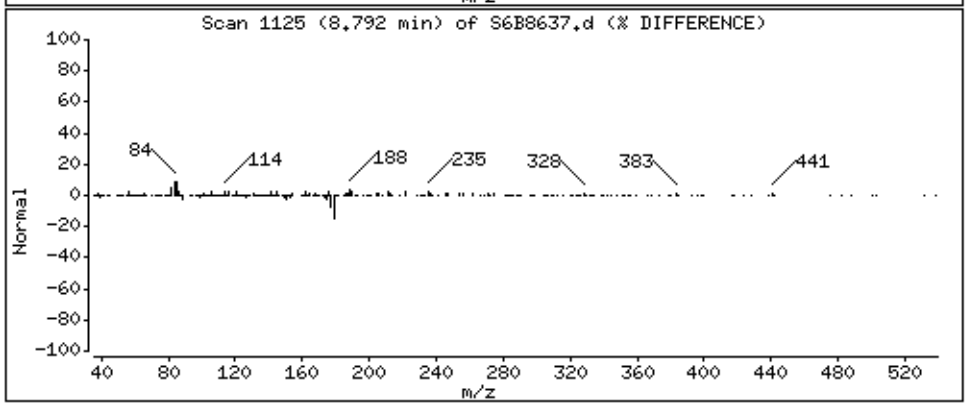












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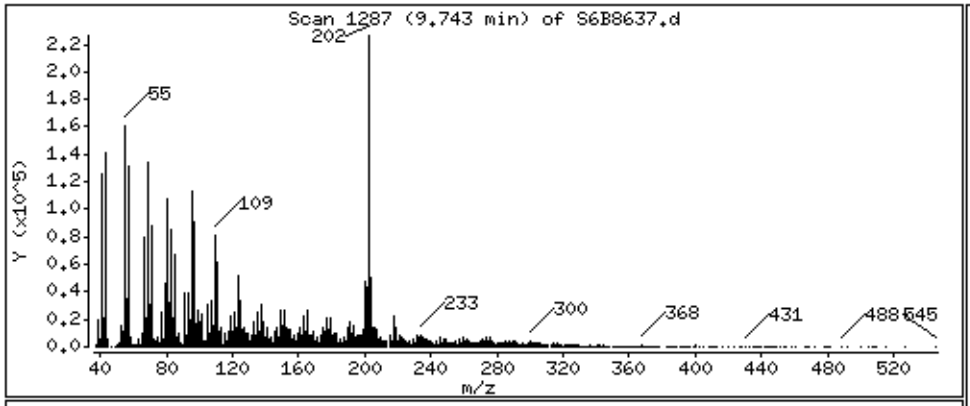
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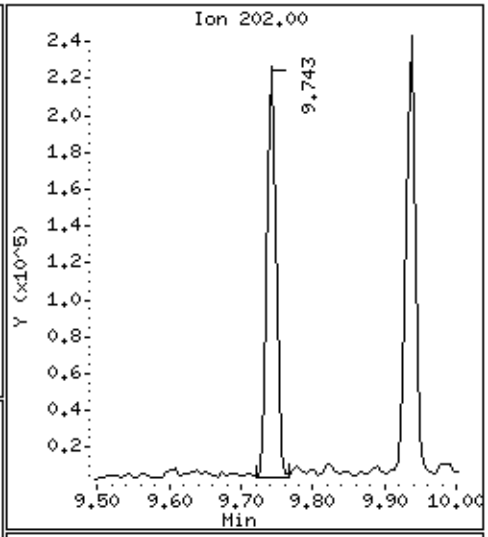
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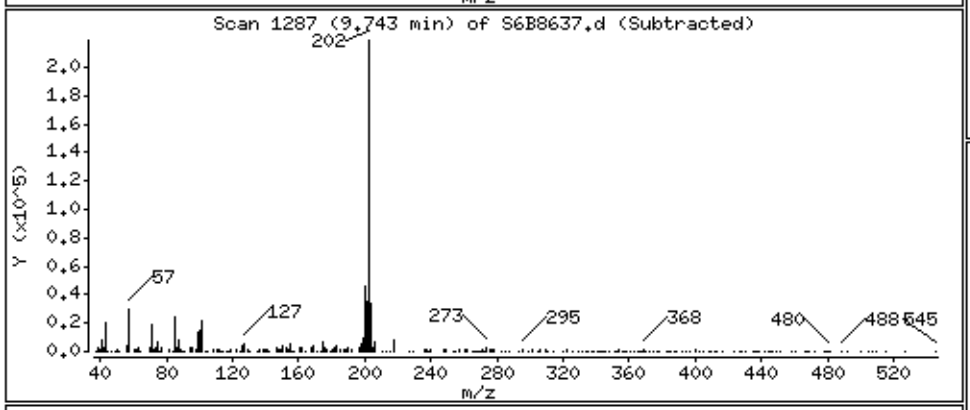
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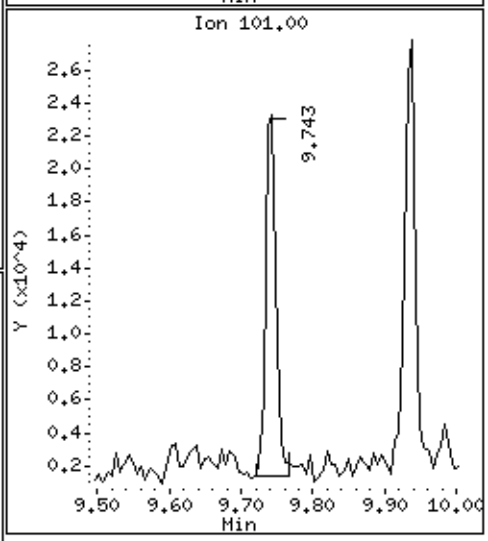
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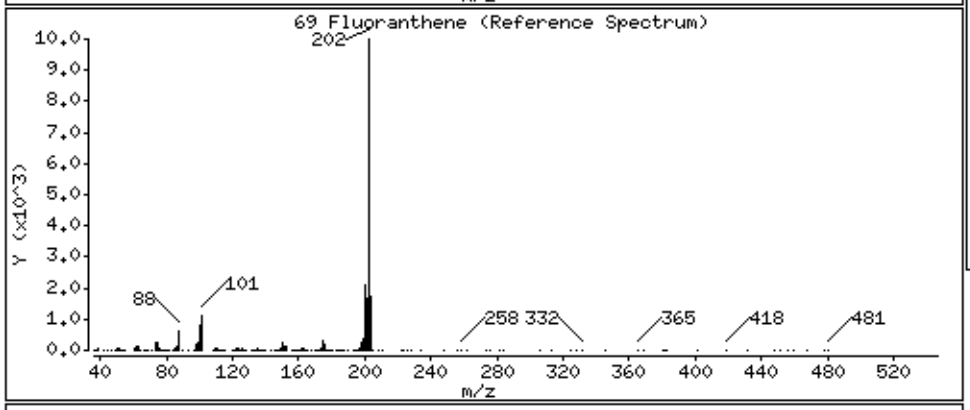
69 Fluoranthene Concentration: 380 ug/Kg

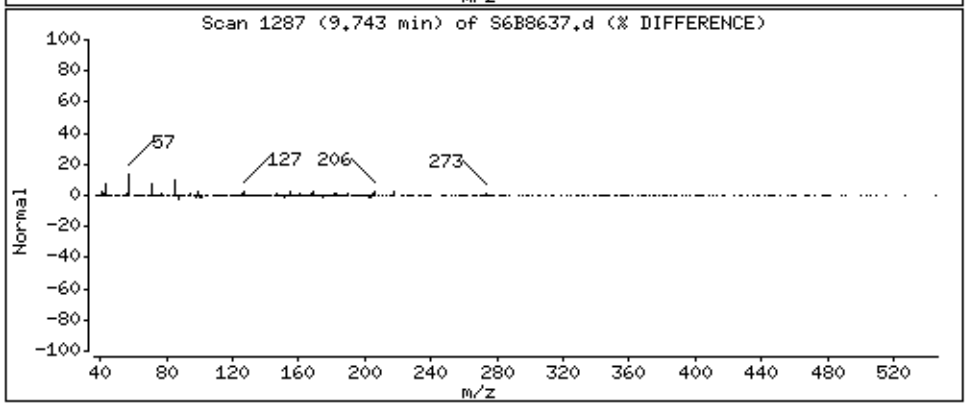












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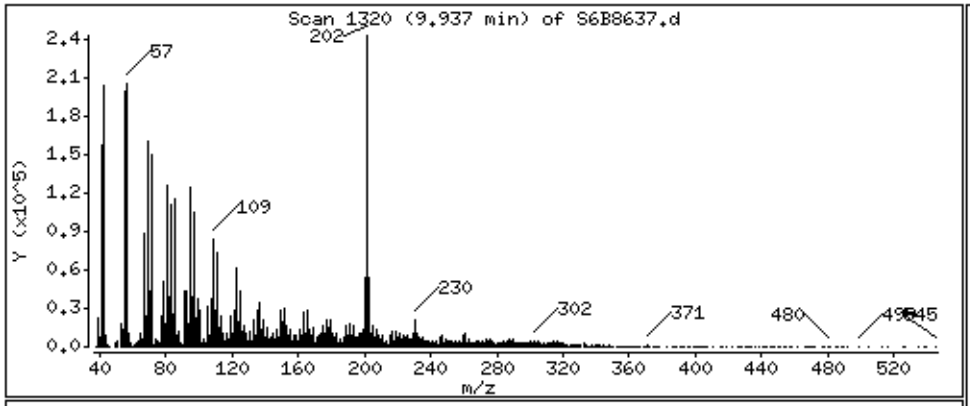
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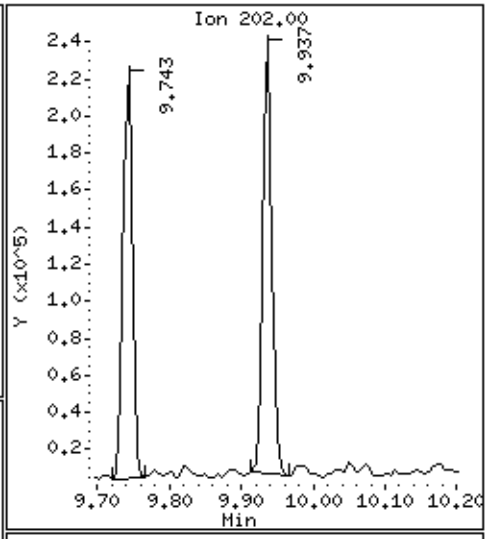
Sample Info: N1194-08A,,78074

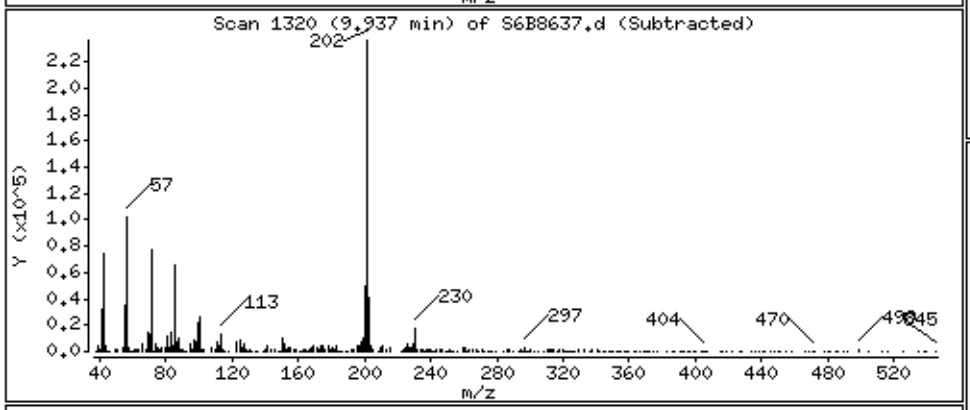
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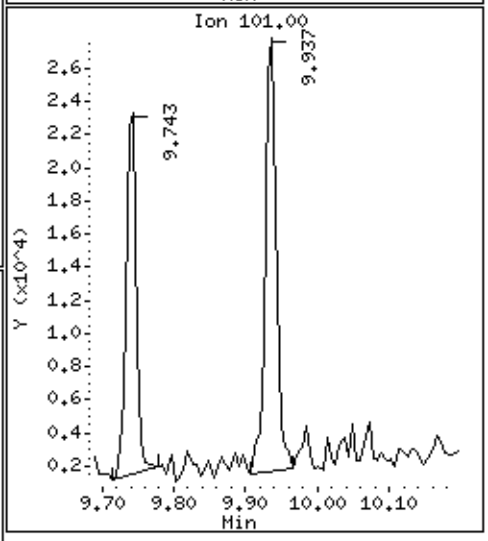
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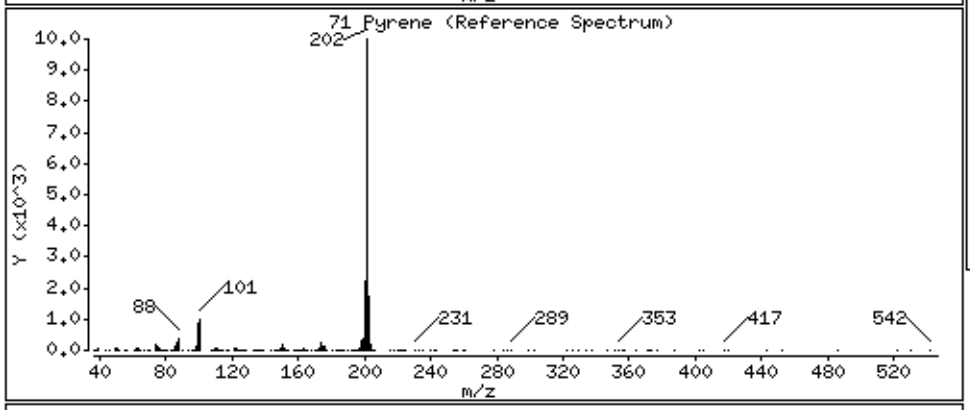
71 Pyrene Concentration: 350 ug/Kg

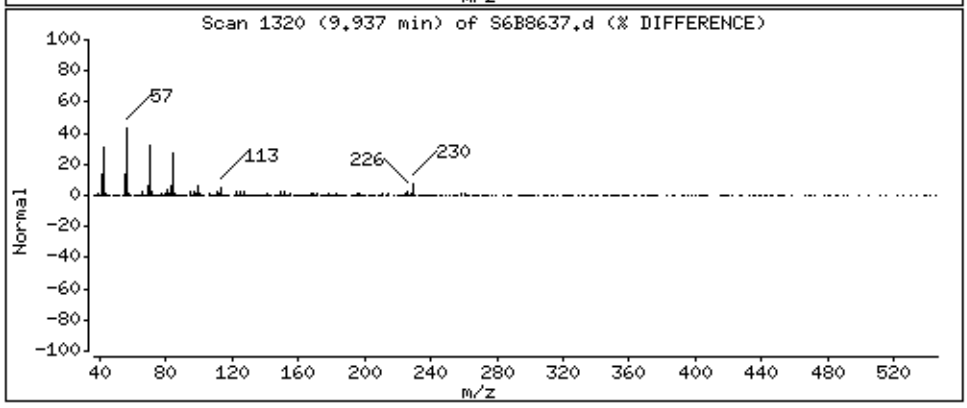












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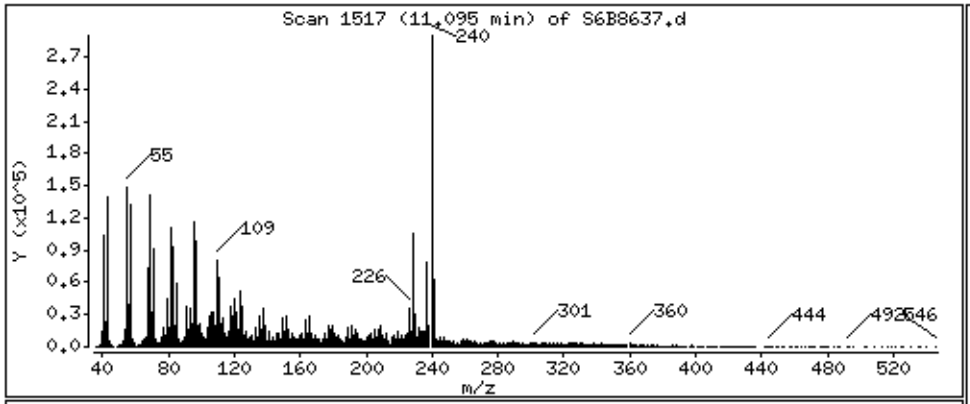
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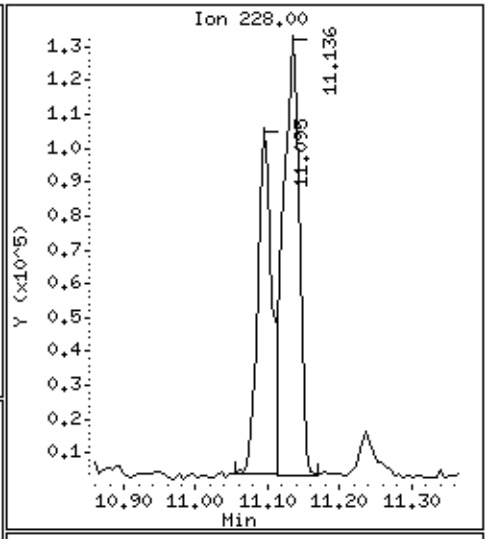
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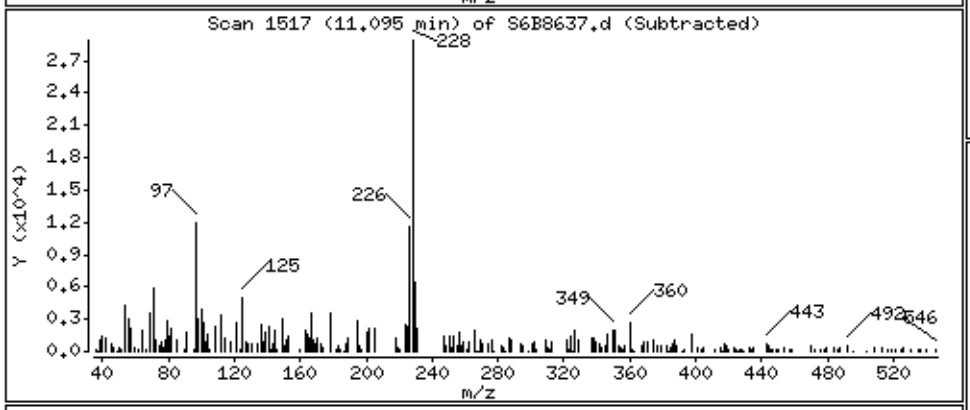
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

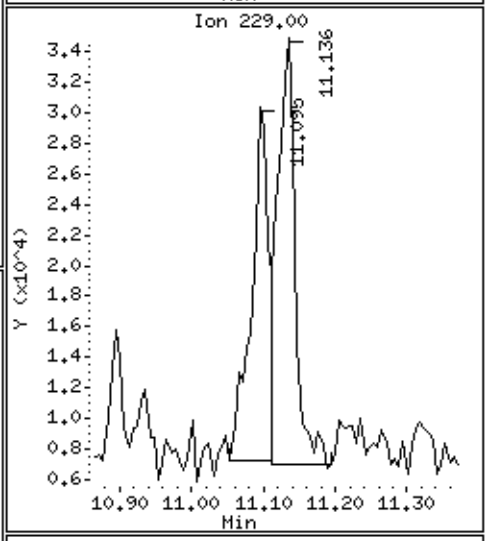
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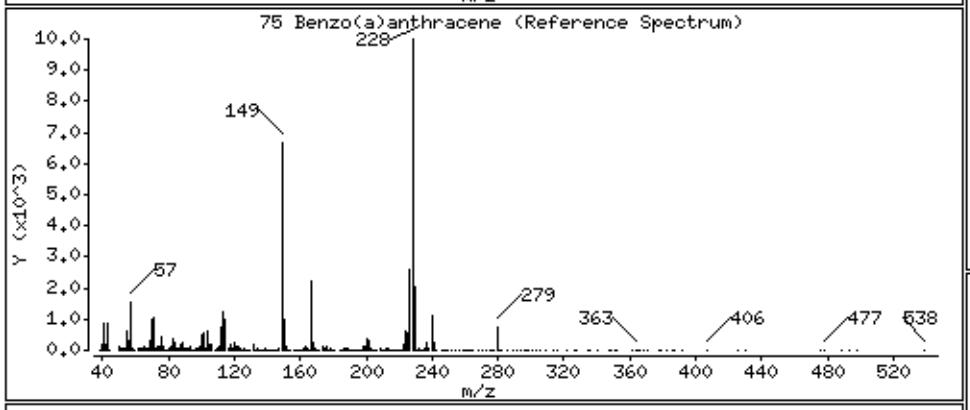
75 Benzo(a)anthracene Concentration: 260 ug/Kg

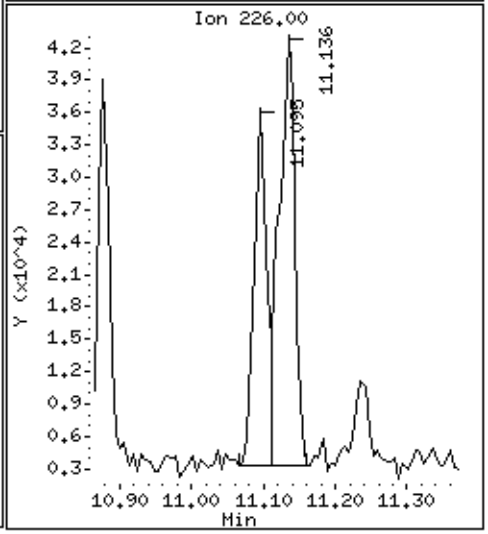


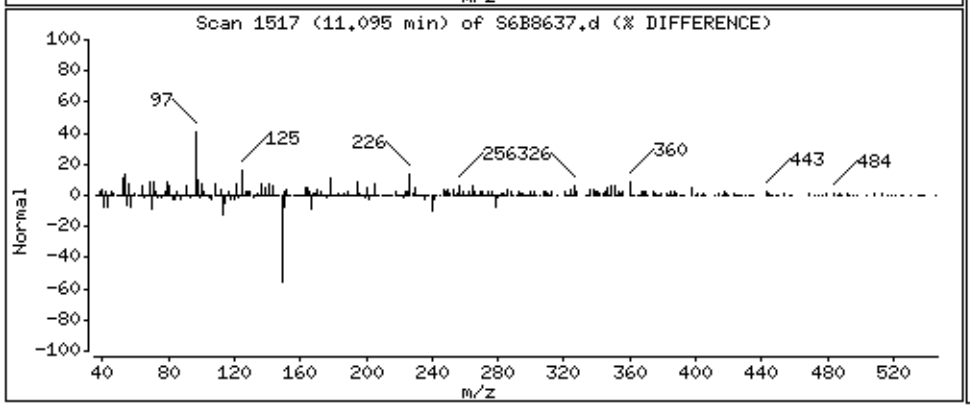












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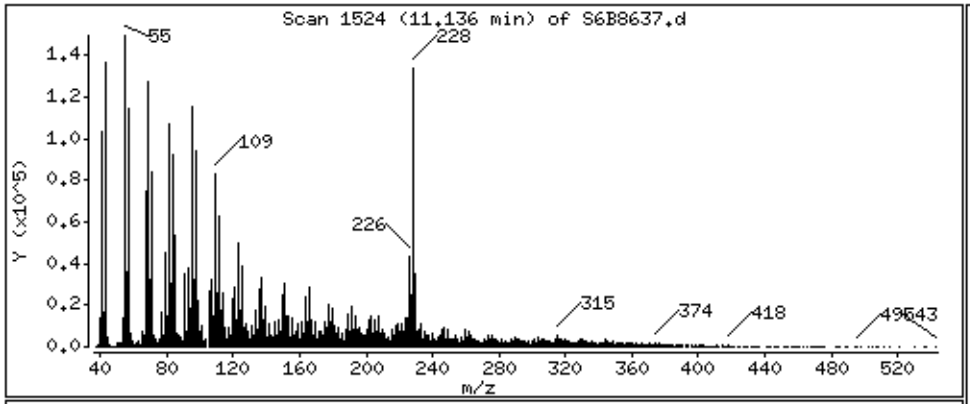
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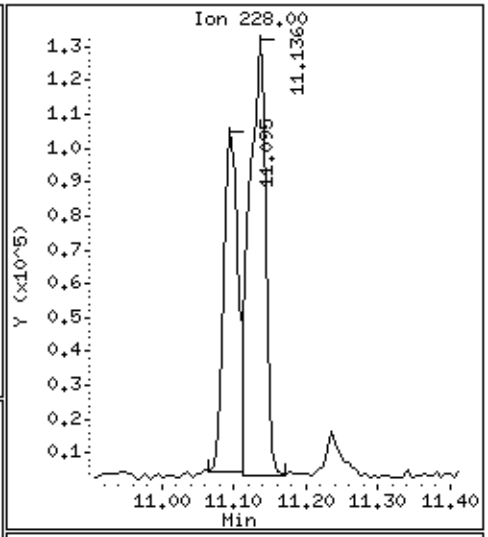
Sample Info: N1194-08A,,78074

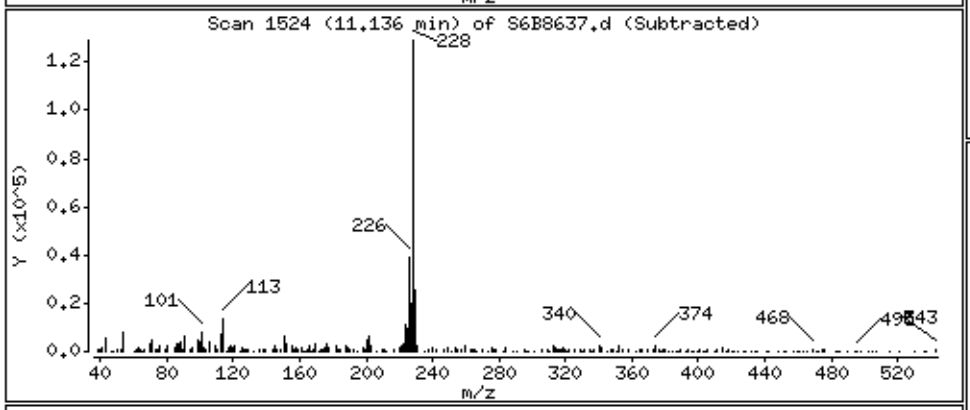
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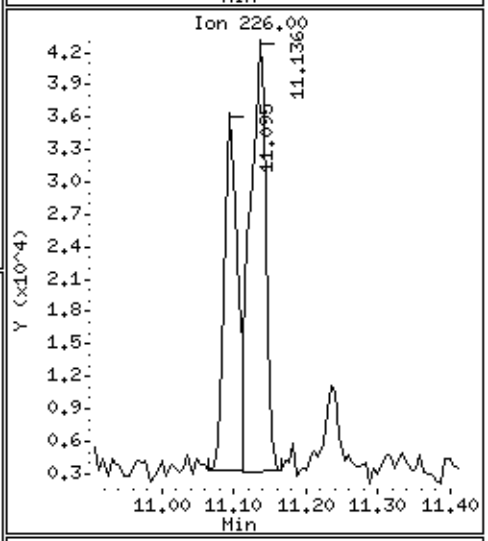
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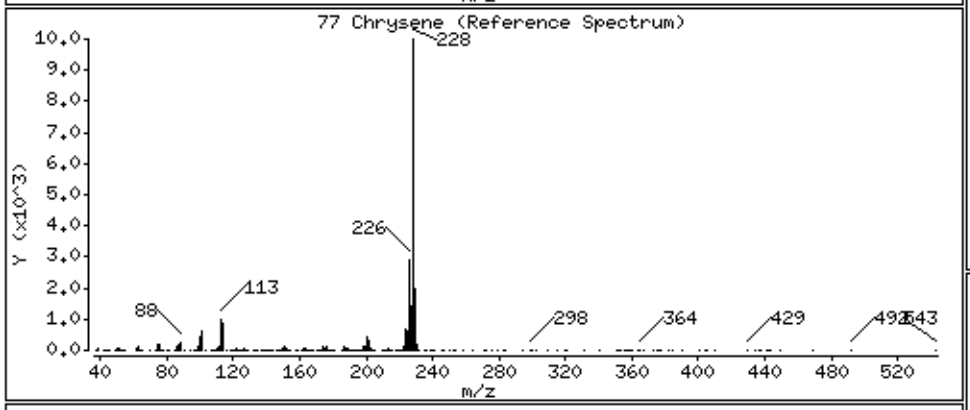
77 Chrysene Concentration: 410 ug/Kg

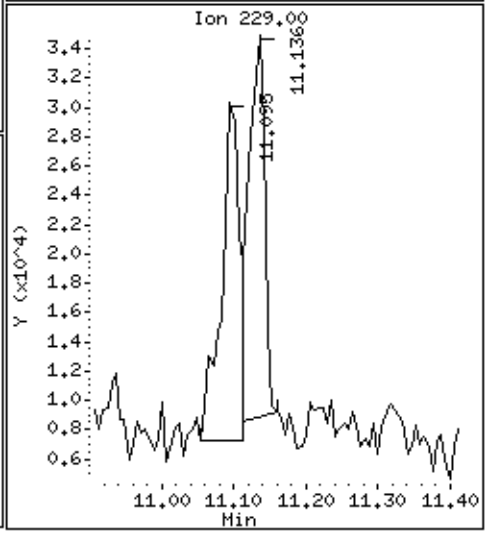


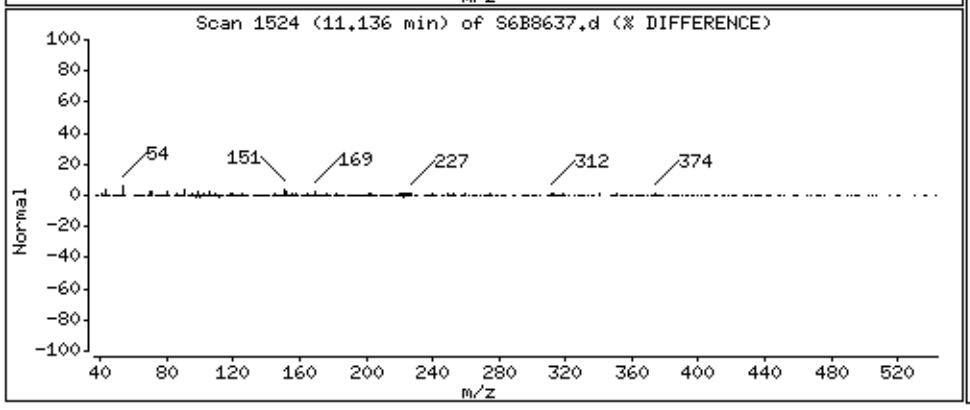












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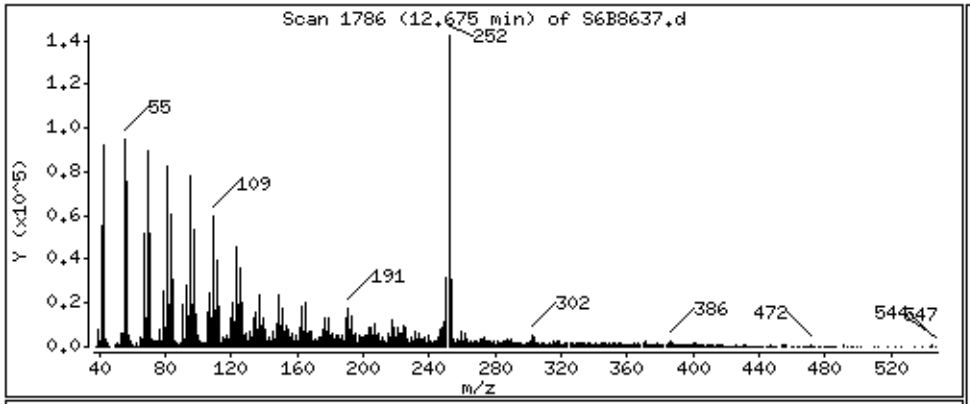
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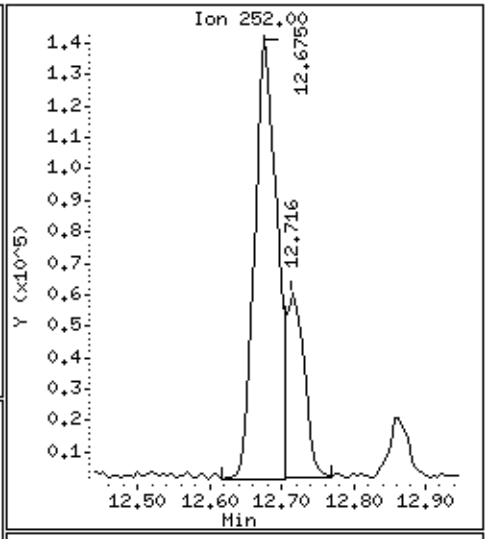
Sample Info: N1194-08A,,78074

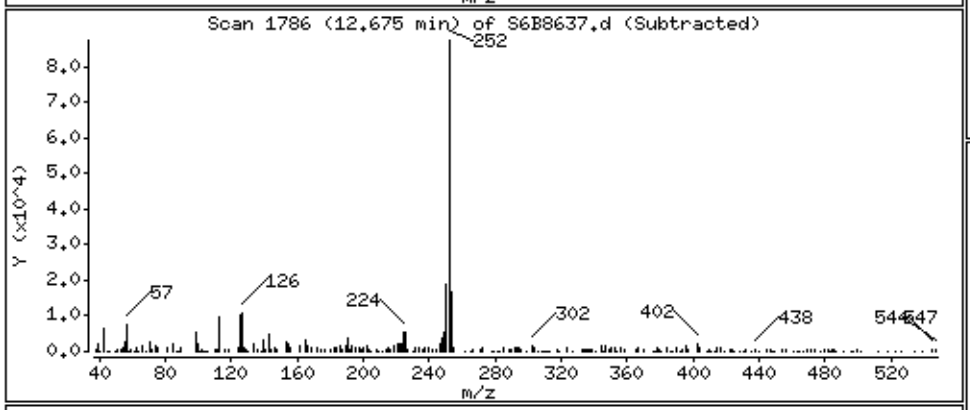
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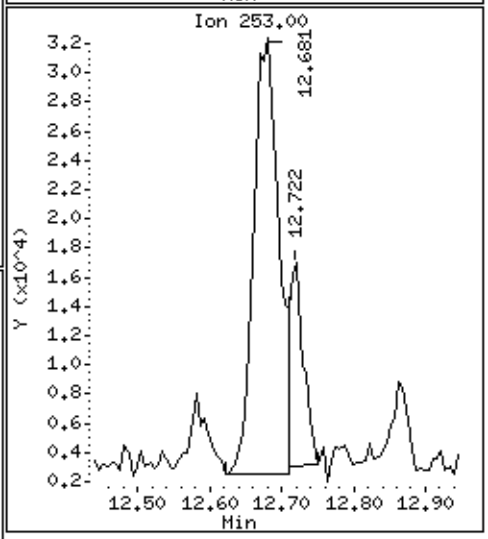
Column phase: Rxi-5Sil MS Column diameter: 0.25

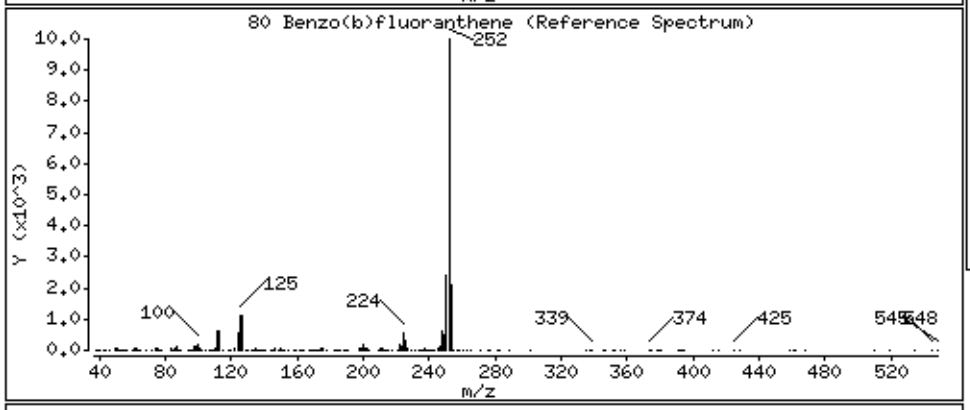
80 Benzo(b)fluoranthene Concentration: 520 ug/Kg

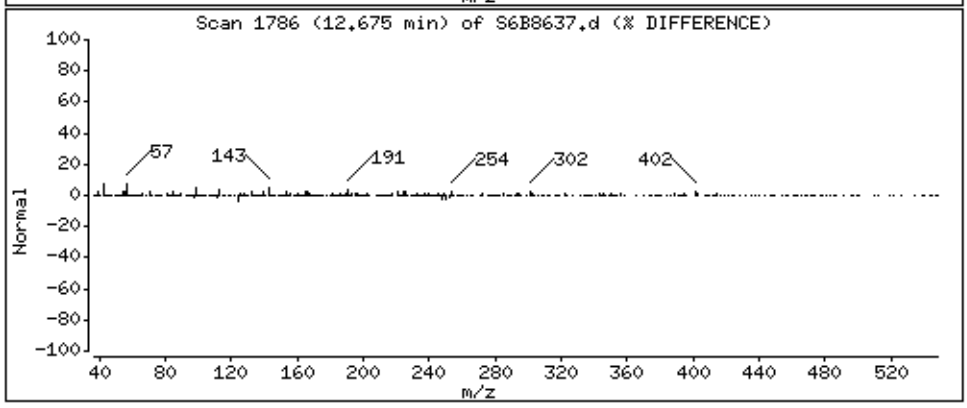












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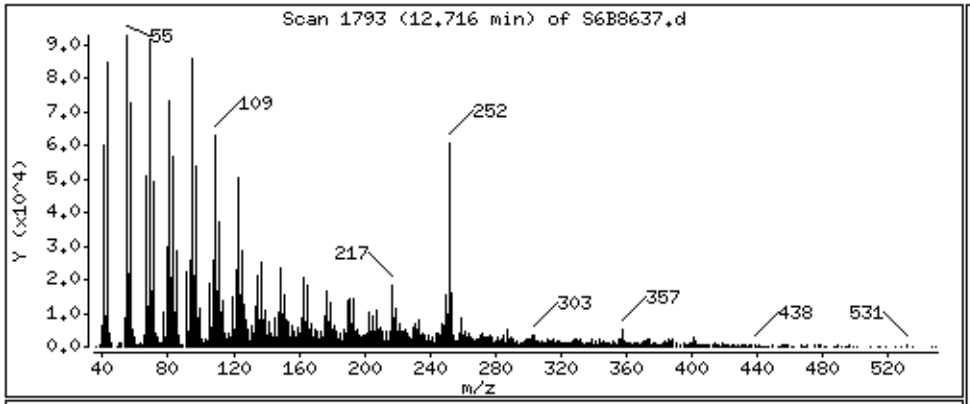
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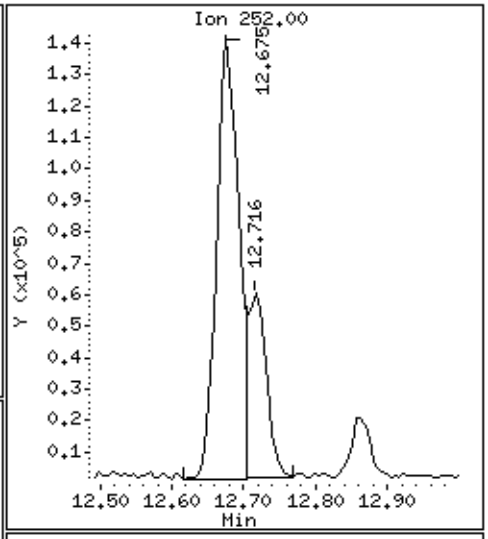
Sample Info: N1194-08A,,78074

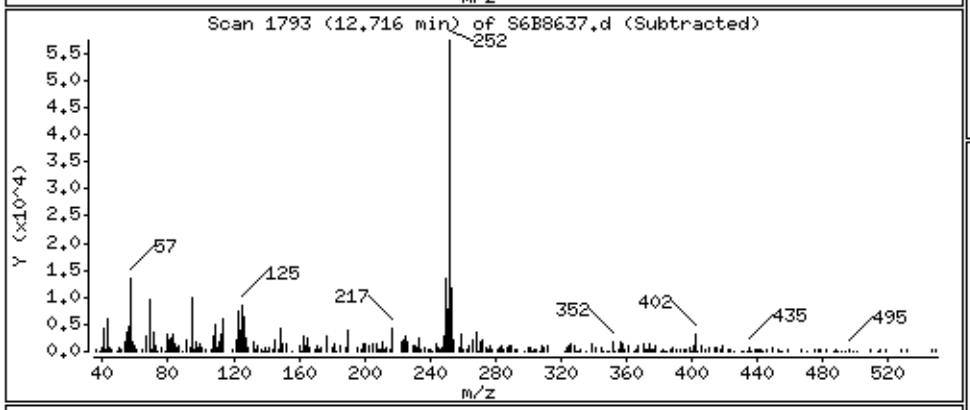
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

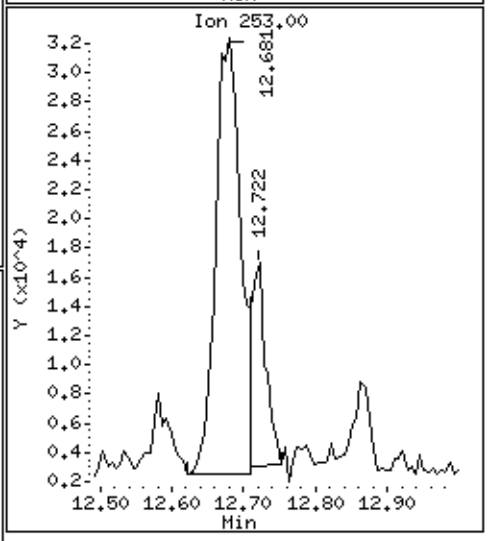
Column phase: Rxi-5Sil MS Column diameter: 0.25

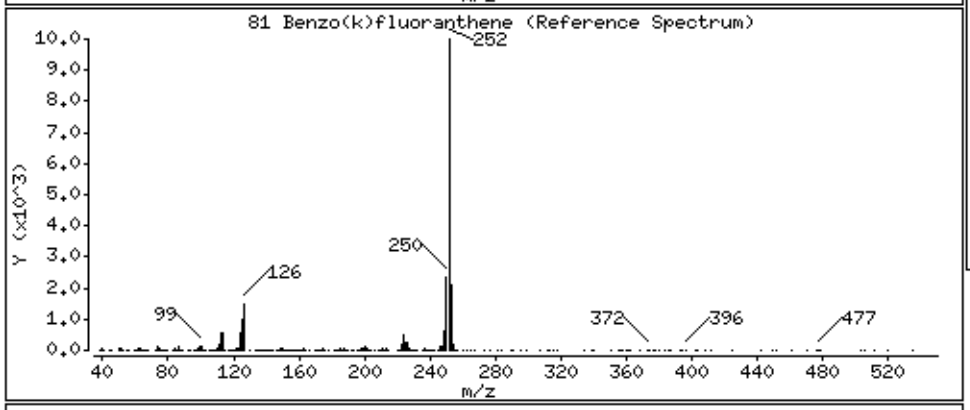
81 Benzo(k)fluoranthene Concentration: 180 ug/Kg

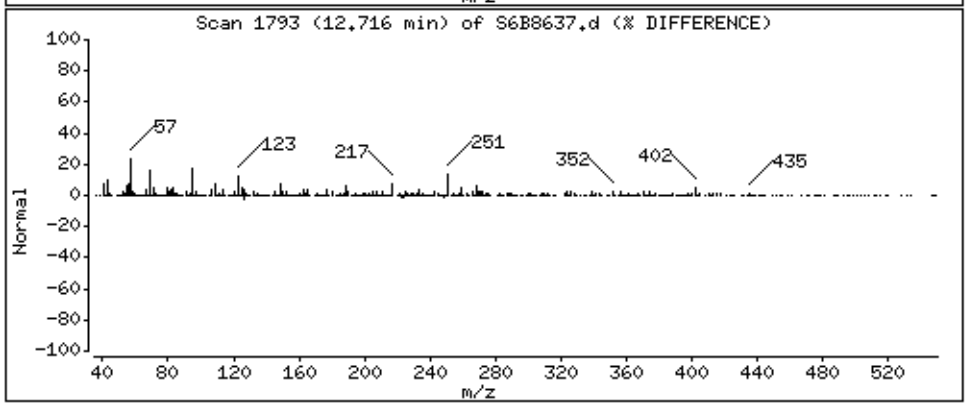












Data File: \\avogadro\organics\S6.I\140717.B\S6B8637.d

Date : 17-JUL-2014 18:56

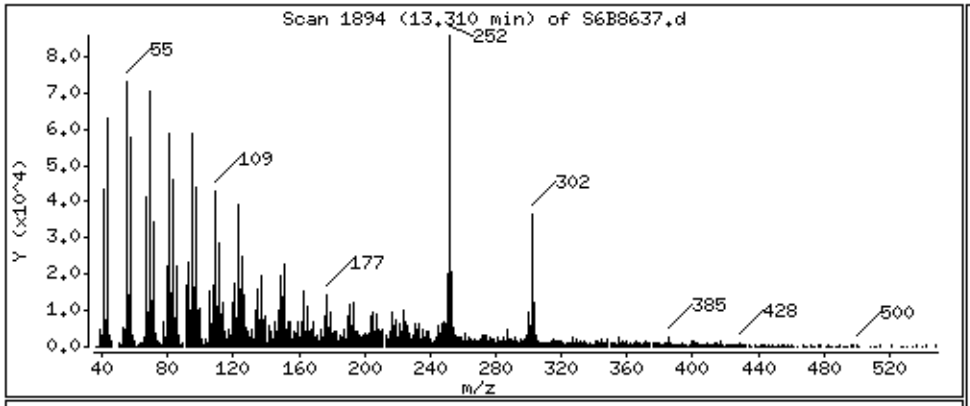
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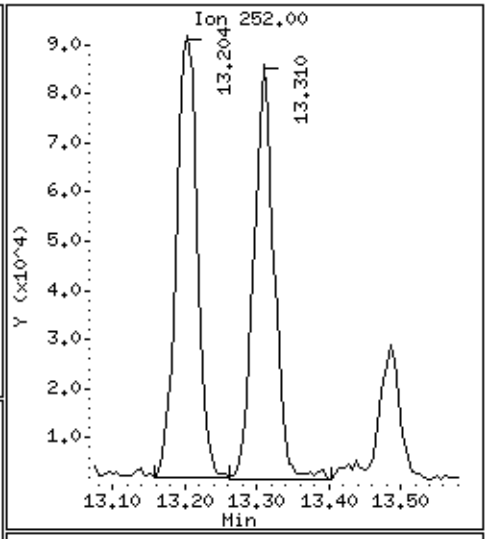
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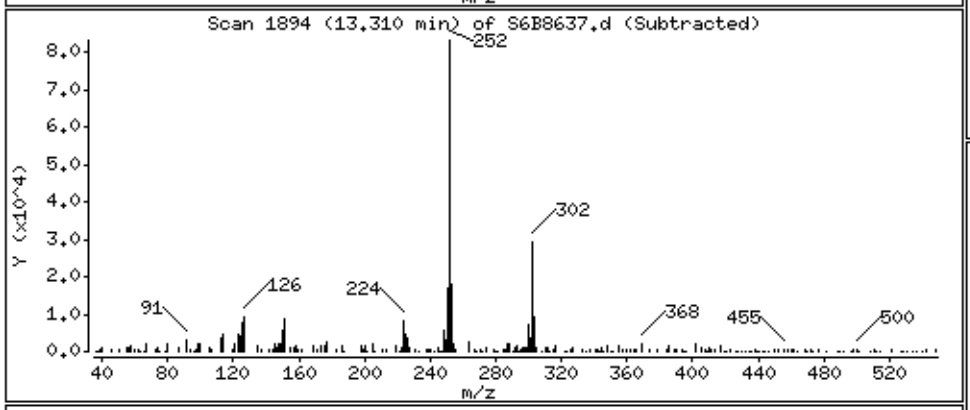
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

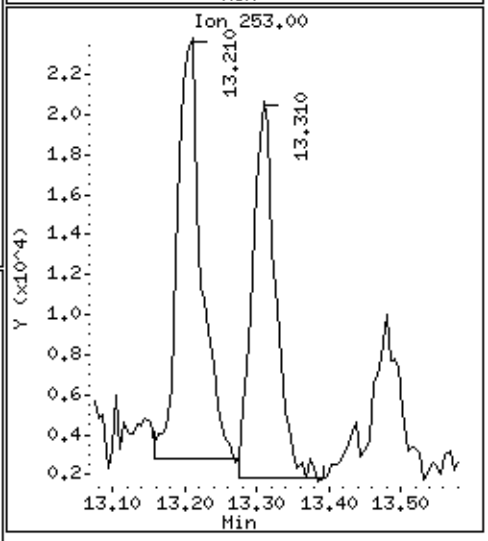
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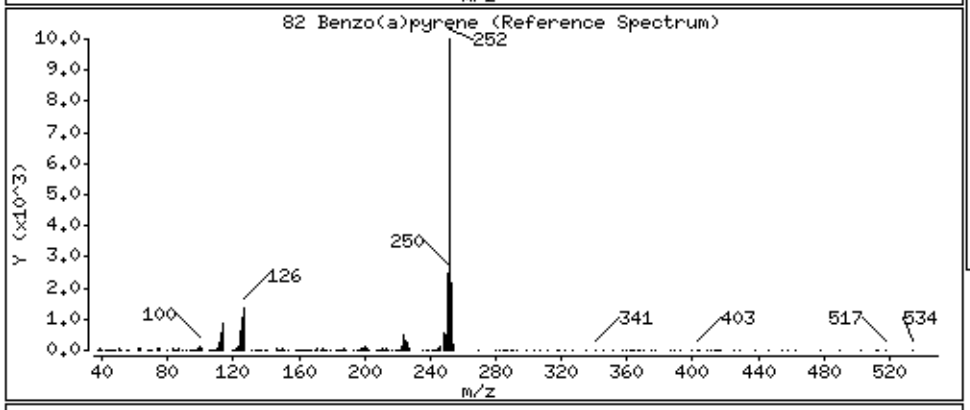
82 Benzo(a)pyrene Concentration: 290 ug/Kg

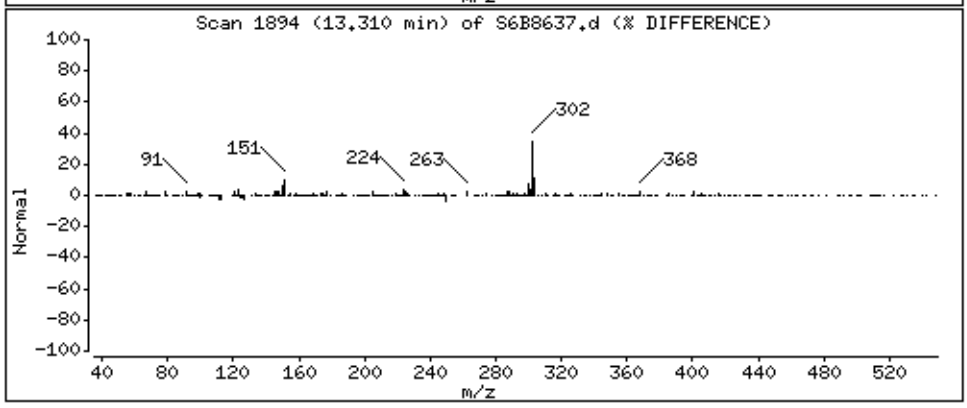












Data File: \\avogadro\organics\S6.I\140717.B\S6B8637.d

Date : 17-JUL-2014 18:56

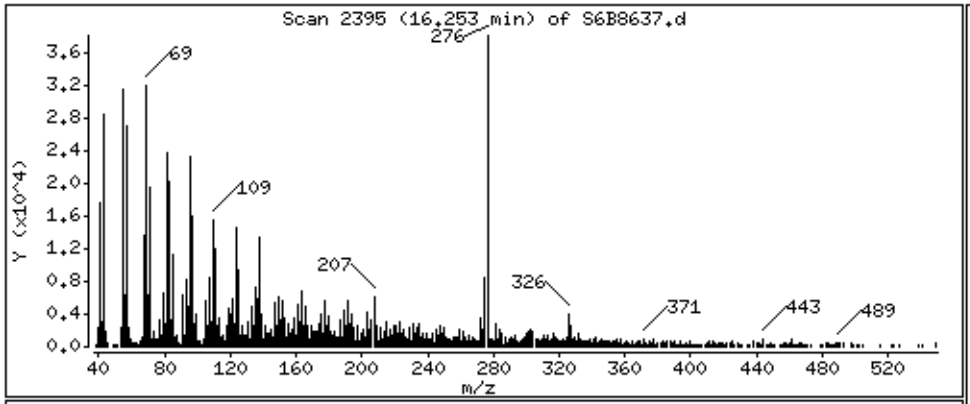
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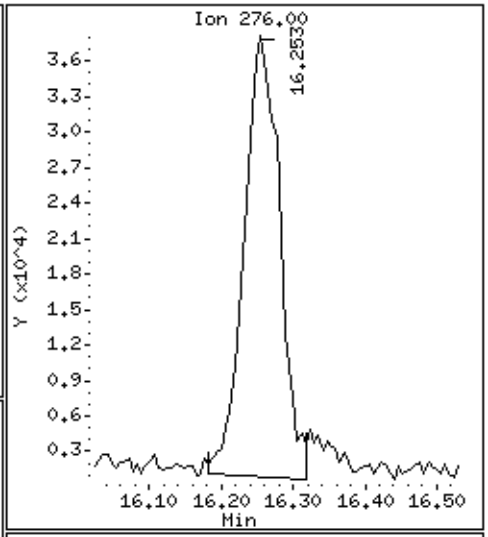
Sample Info: N1194-08A,,78074

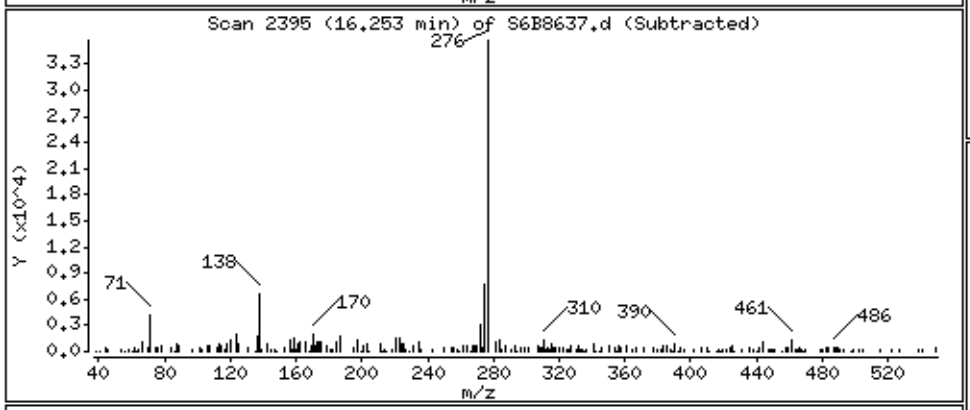
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

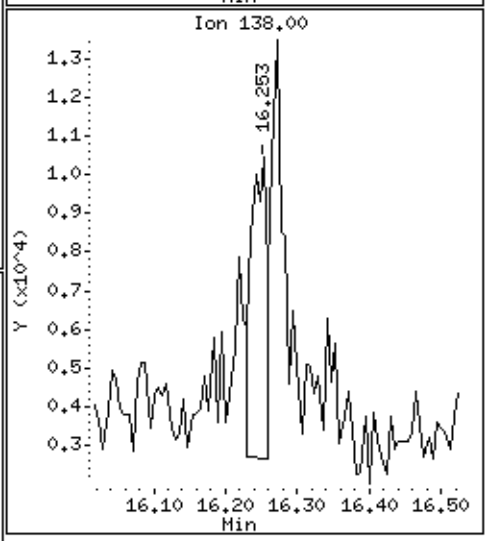
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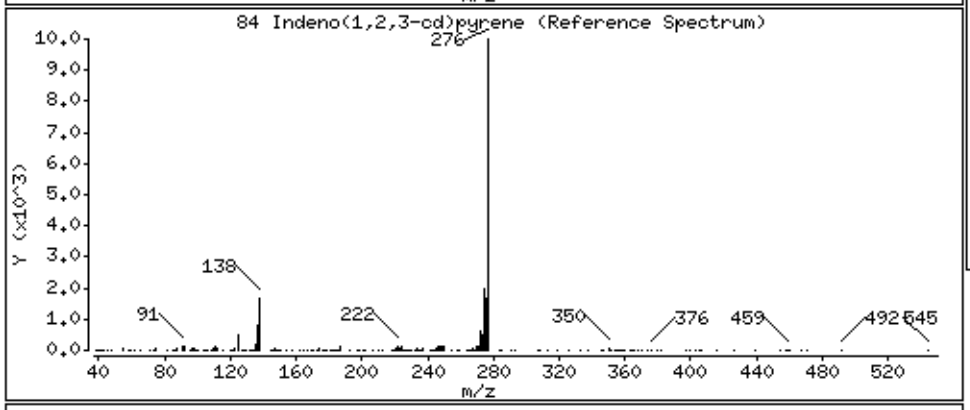
84 Indeno(1,2,3-cd)pyrene Concentration: 260 ug/Kg

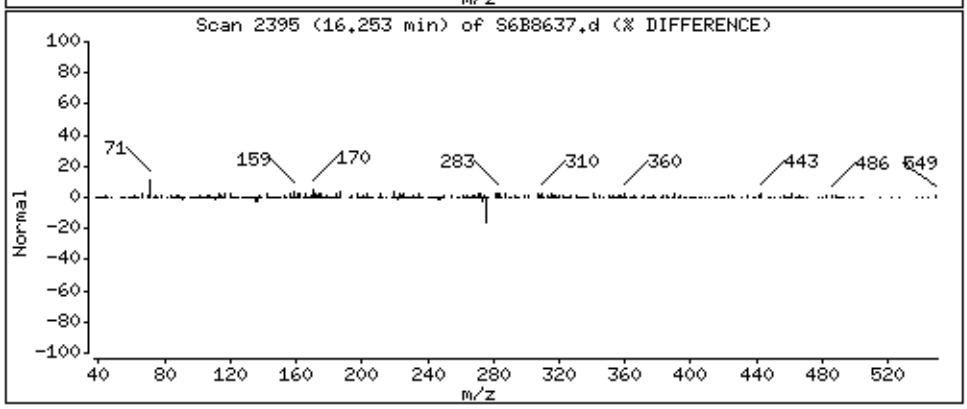












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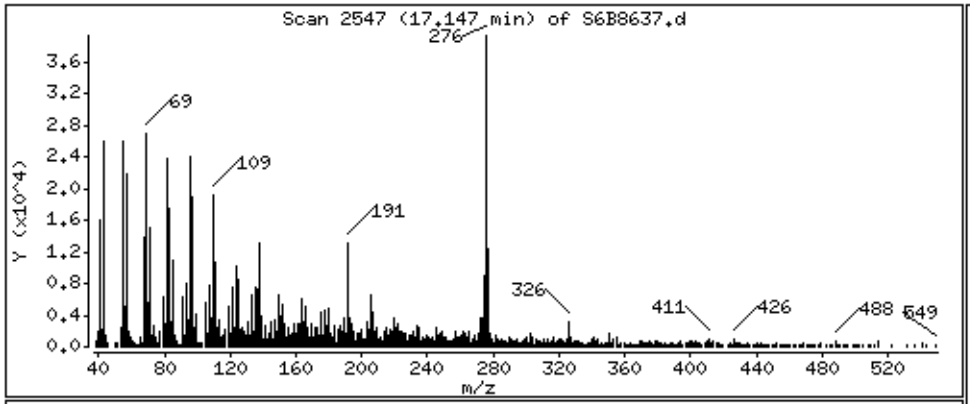
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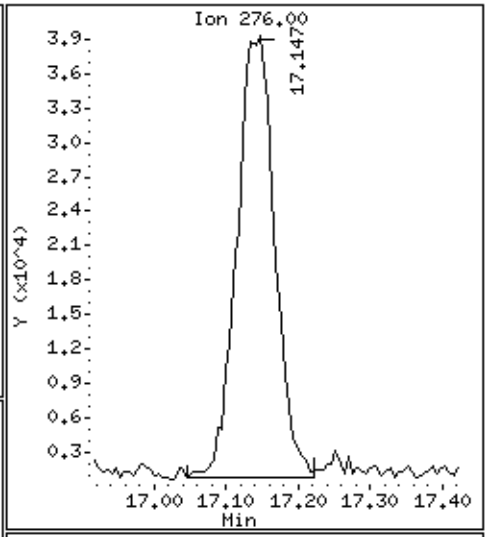
Sample Info: N1194-08A,,78074

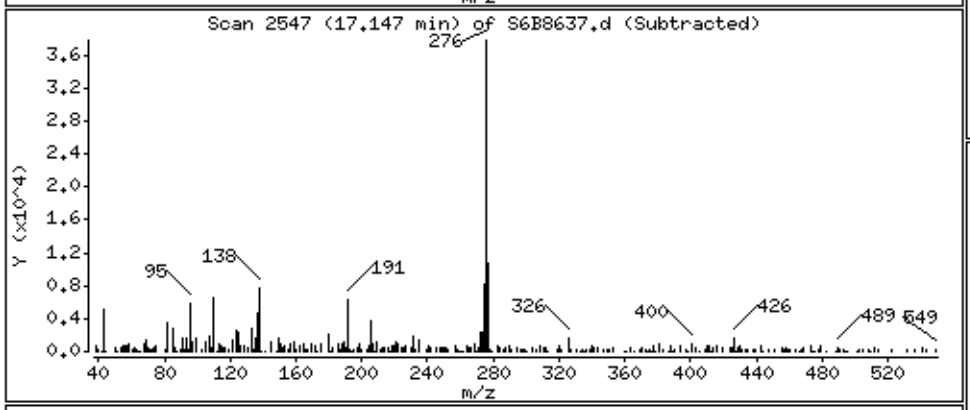
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

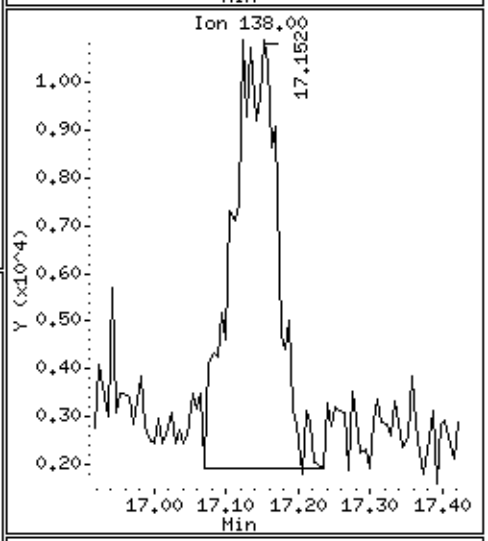
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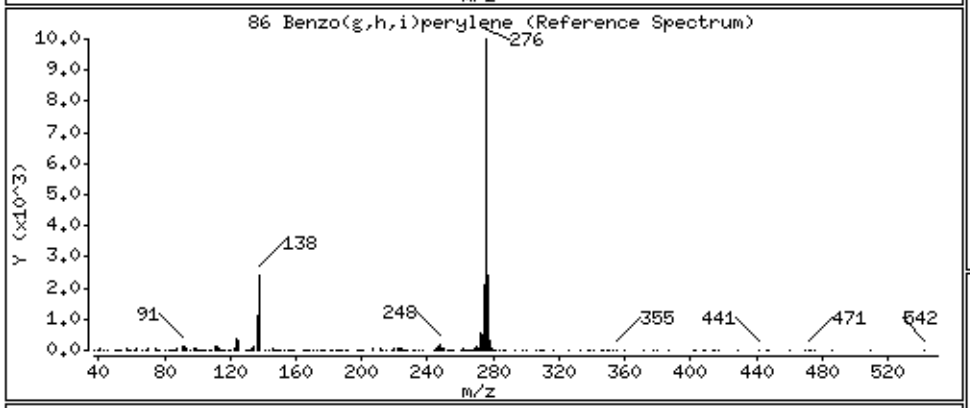
86 Benzo(g,h,i)perylene Concentration: 280 ug/Kg

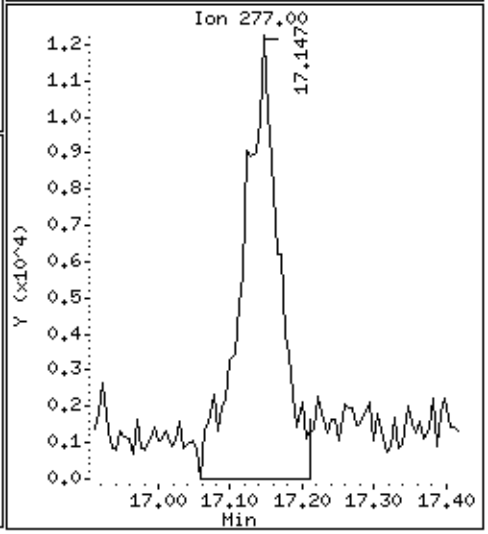


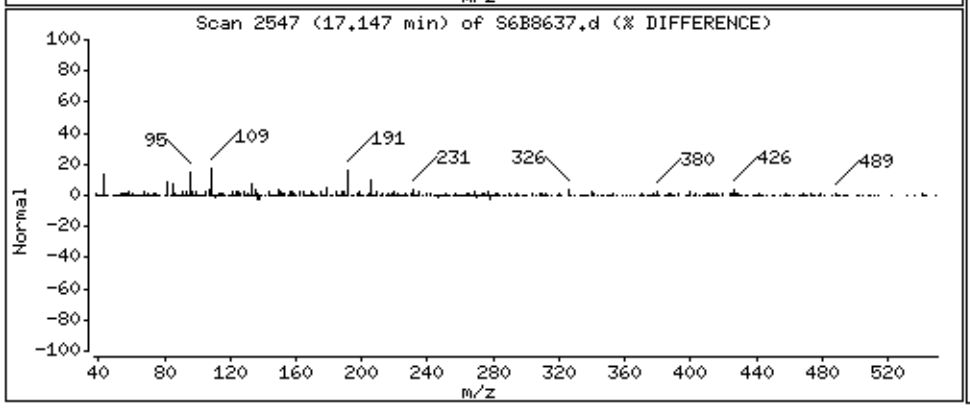












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-19-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-09A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8638.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	81	J
86-73-7	Fluorene	380	U
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	250	J
120-12-7	Anthracene	100	J
206-44-0	Fluoranthene	660	
129-00-0	Pyrene	640	
56-55-3	Benzo(a)anthracene	600	
218-01-9	Chrysene	810	
205-99-2	Benzo(b)fluoranthene	1500	
207-08-9	Benzo(k)fluoranthene	530	
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	1200	
53-70-3	Dibenzo(a,h)anthracene	260	J
191-24-2	Benzo(g,h,i)perylene	1200	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8638.d
Report Date: 18-Jul-2014 15:43

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8638.d
Lab Smp Id: N1194-09A Client Smp ID: SS-19-071014
Inj Date : 17-JUL-2014 19:19
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-09A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.200	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.850	3.832	(0.776)	296046	31.1327	2000
$	5 Phenol-d5	99	4.661	4.655	(0.940)	362809	29.8863	2000
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	287083	40.0000	
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	354399	36.0597	2400
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	953533	40.0000	
$	41 2-Fluorobiphenyl	172	6.929	6.928	(0.924)	766432	37.0307	2400
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	591428	40.0000	
	49 Acenaphthene	153	7.522	7.528	(1.003)	19191	1.06705	70(a)
$	60 2,4,6-Tribromophenol	330	8.151	8.156	(0.934)	90679	36.0827	2400
*	64 Phenanthrene-d10	188	8.726	8.732	(1.000)	1091608	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.003)	96728	3.28153	220(a)
	66 Anthracene	178	8.791	8.797	(1.007)	40919	1.36247	90(a)
	69 Fluoranthene	202	9.737	9.749	(1.116)	292865	8.68134	570(a)
	71 Pyrene	202	9.931	9.949	(0.895)	306096	8.44092	560(a)
$	72 Terphenyl-d14	244	10.048	10.060	(0.905)	843646	35.8187	2400
	75 Benzo(a)anthracene	228	11.088	11.112	(0.999)	266547	7.92883	520(aH)
*	76 Chrysene-d12	240	11.100	11.130	(1.000)	1177412	40.0000	
	77 Chrysene	228	11.130	11.159	(1.003)	327648	10.6193	700
	80 Benzo(b)fluoranthene	252	12.663	12.692	(0.944)	736691	19.9846	1300(H)

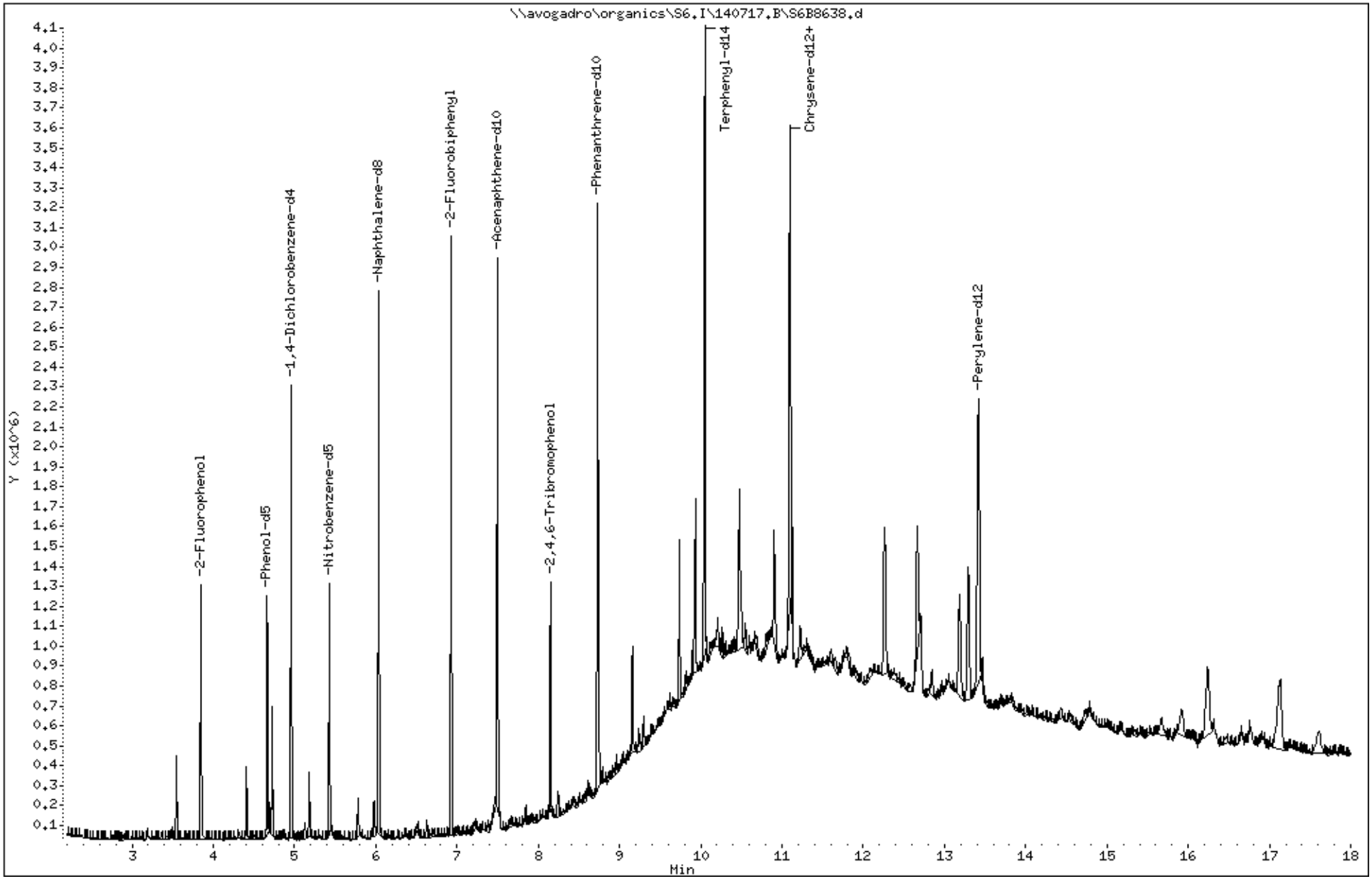
Data File: \\avogadro\organics\S6.I\140717.B\S6B8638.d
Report Date: 18-Jul-2014 15:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	81 Benzo(k)fluoranthene	252	12.704	12.745	(0.947)	260750	6.96664	460(a)
	82 Benzo(a)pyrene	252	13.292	13.327	(0.991)	518354	14.7385	970
*	83 Perylene-d12	264	13.415	13.450	(1.000)	1253833	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	16.235	16.277	(1.210)	470205	15.3225	1000
	85 Dibenzo(a,h)anthracene	278	16.312	16.376	(1.216)	100983	3.38226	220(a)
	86 Benzo(g,h,i)perylene	276	17.134	17.170	(1.277)	481056	15.1798	1000

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8638.d
Date : 17-JUL-2014 19:19
Client ID: SS-19-071014
Instrument: S6.i
Sample Info: N1194-09A,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8638.d

Date : 17-JUL-2014 19:19

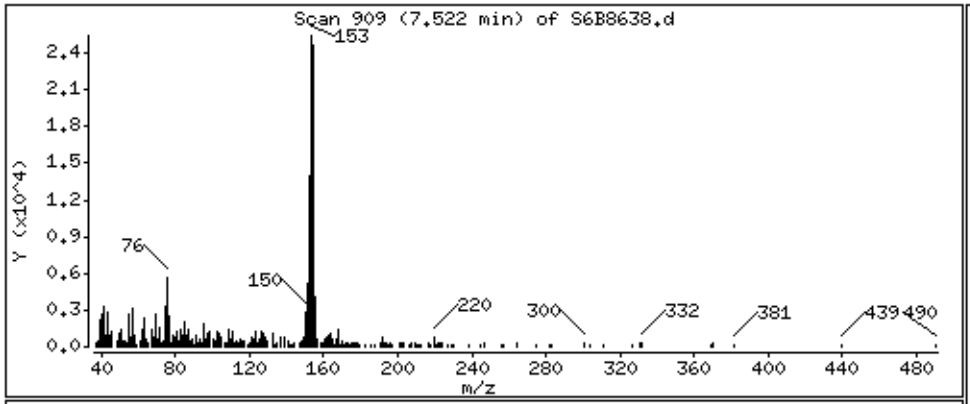
Client ID: SS-19-071014 Instrument: S6.i

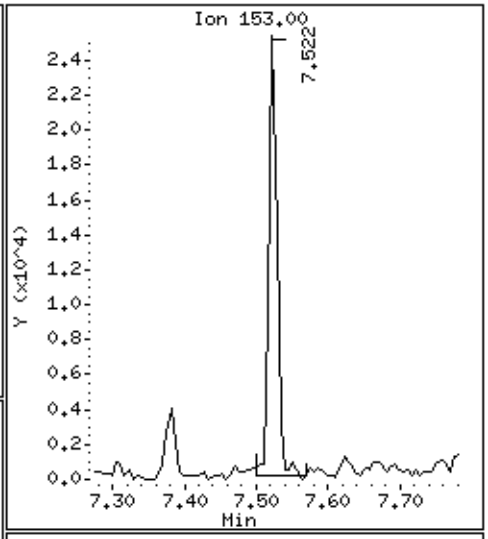
Sample Info: N1194-09A,,78076

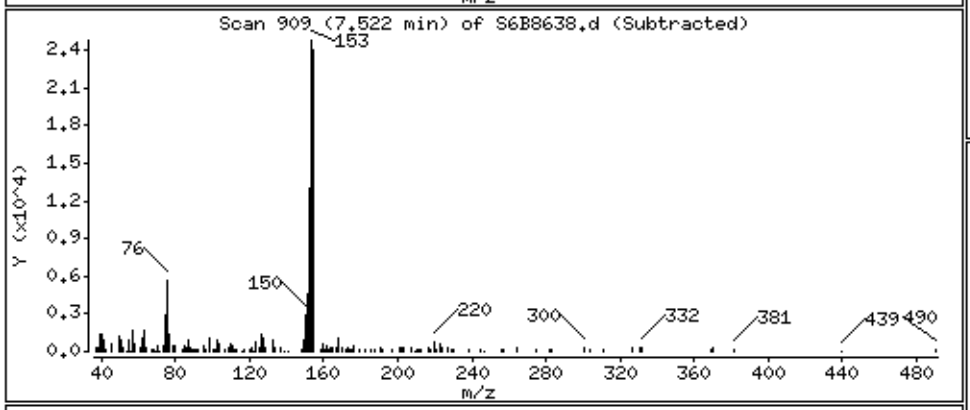
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

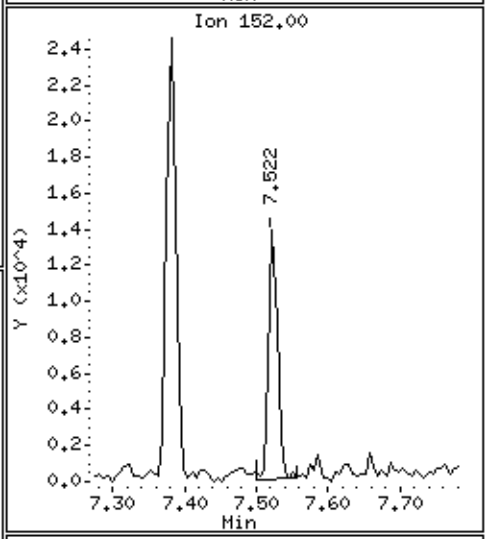
Column phase: Rxi-5Sil MS Column diameter: 0.25

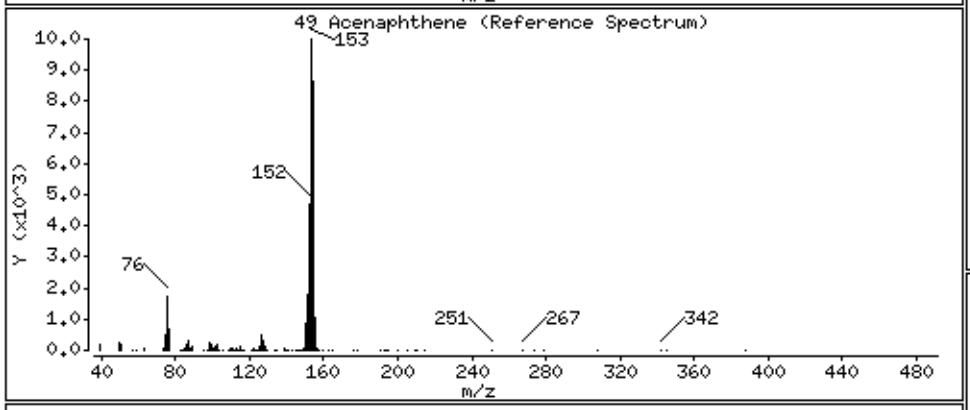
49 Acenaphthene Concentration: 70 ug/Kg

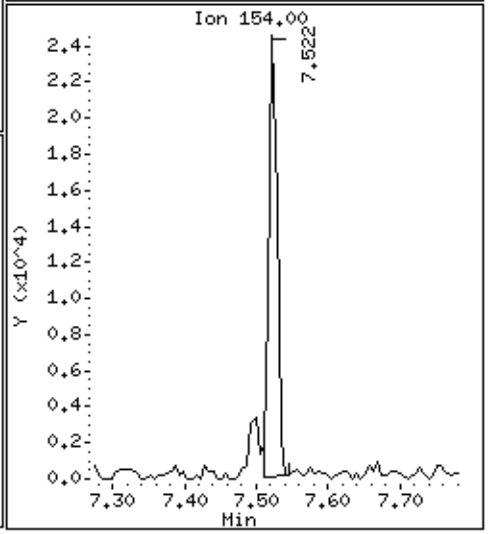


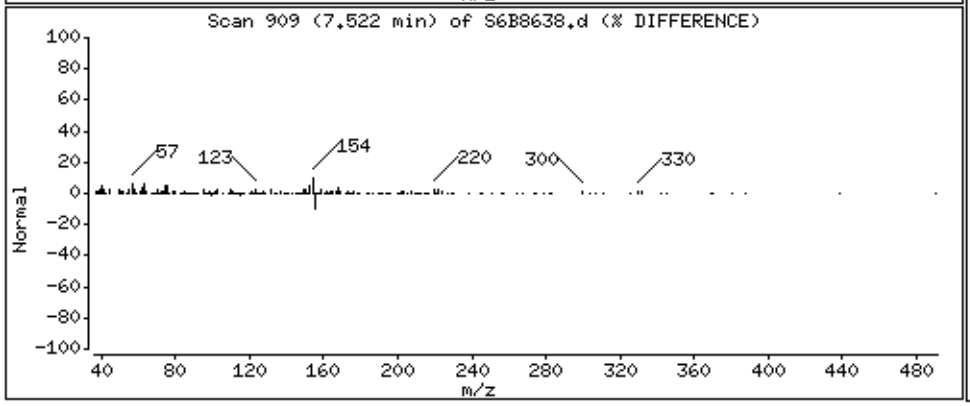












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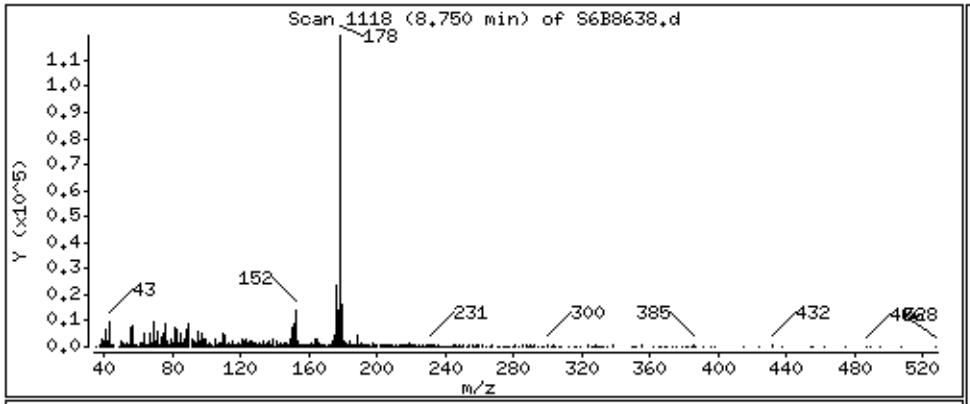
Client ID: SS-19-071014 Instrument: S6.i

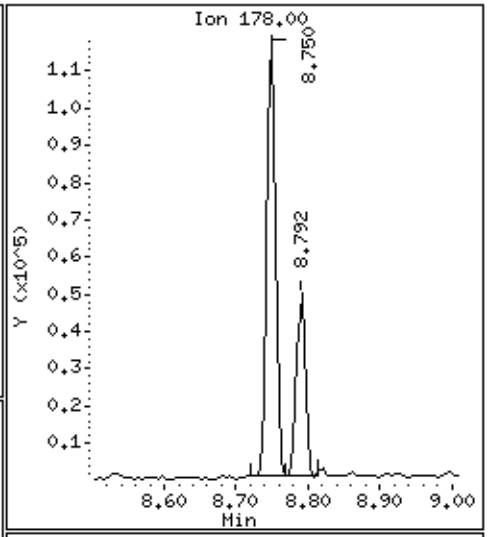
Sample Info: N1194-09A,,78076

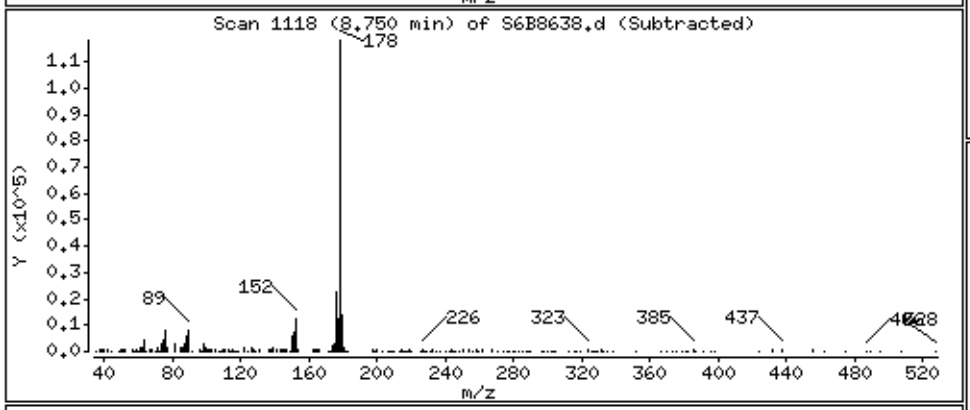
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

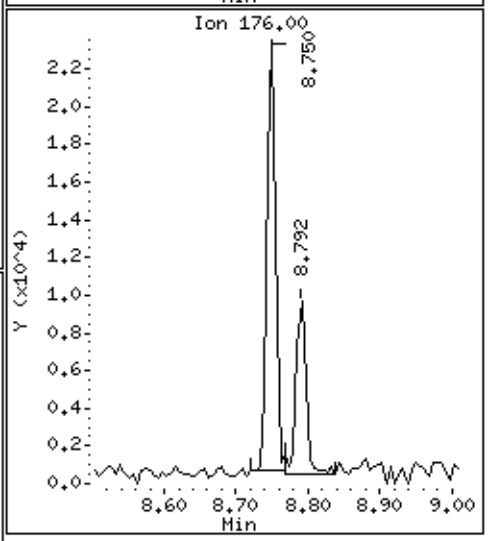
Column phase: Rxi-5Sil MS Column diameter: 0.25

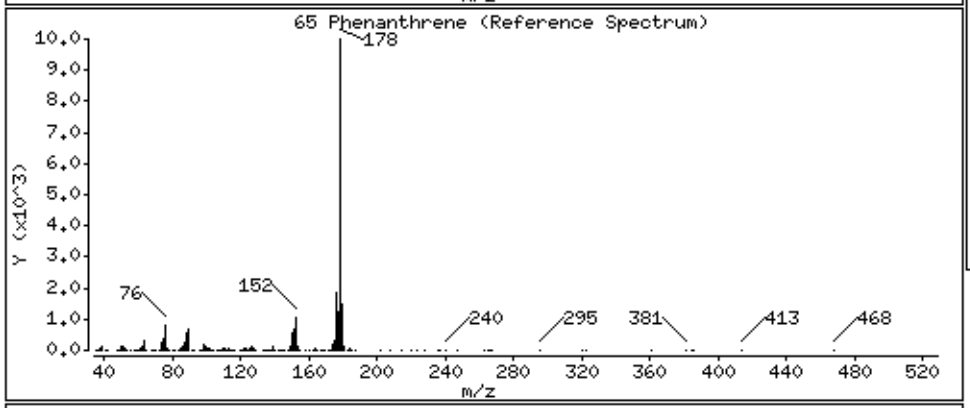
65 Phenanthrene Concentration: 220 ug/Kg

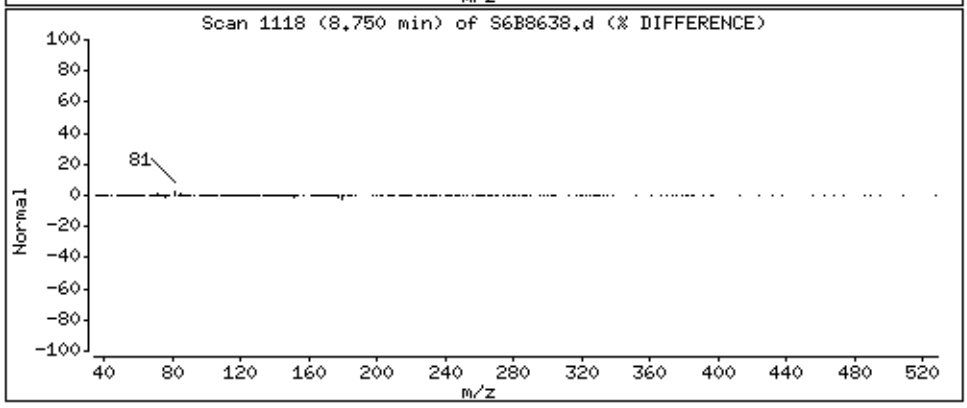












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Date : 17-JUL-2014 19:19

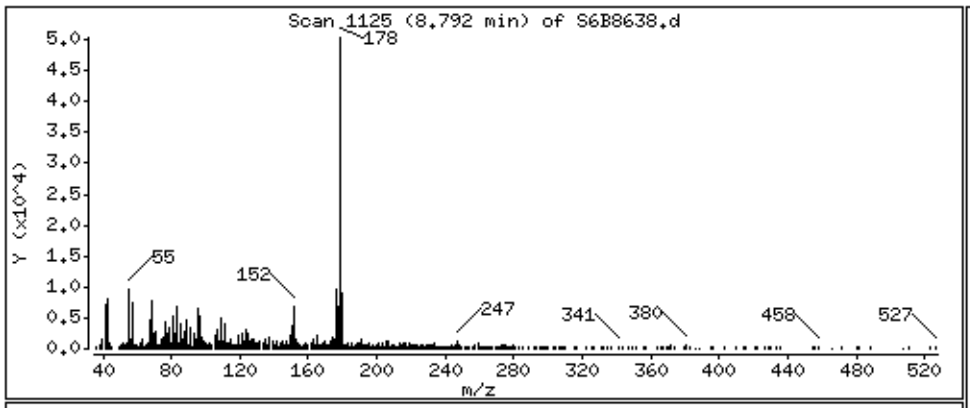
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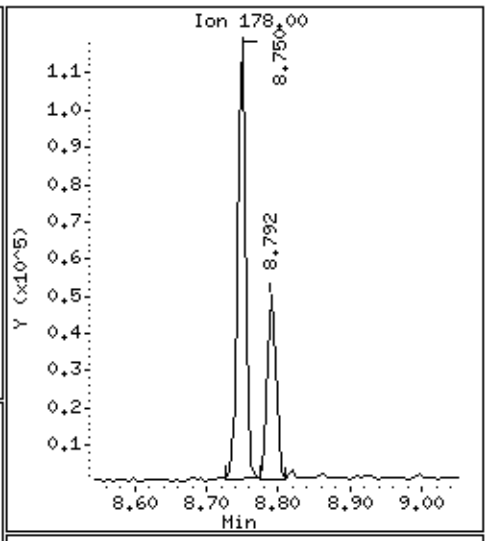
Sample Info: N1194-09A,,78076

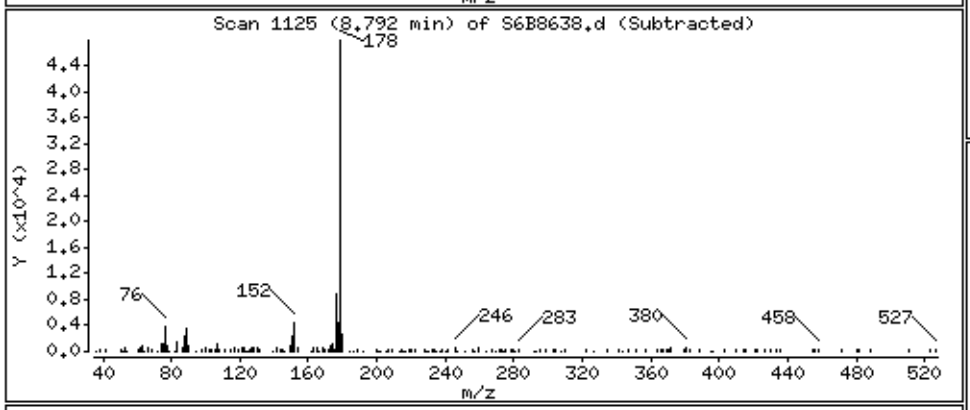
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

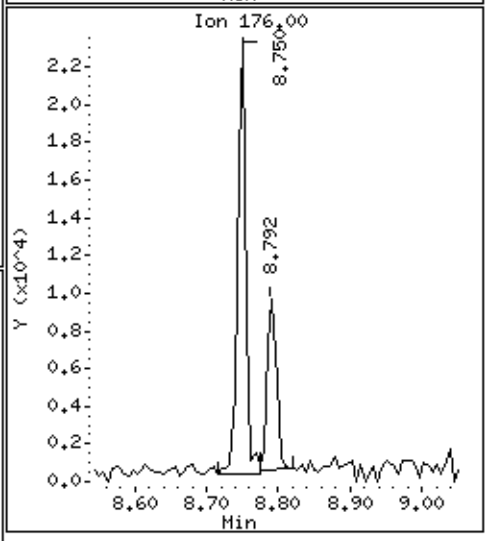
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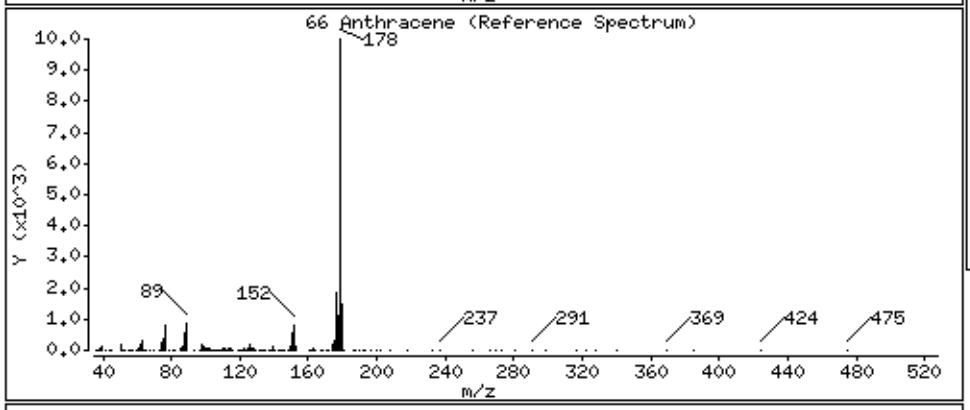
66 Anthracene Concentration: 90 ug/Kg

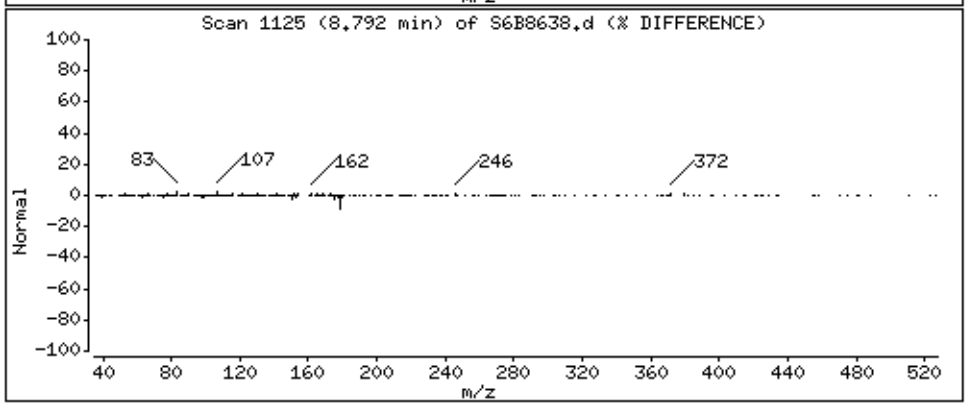












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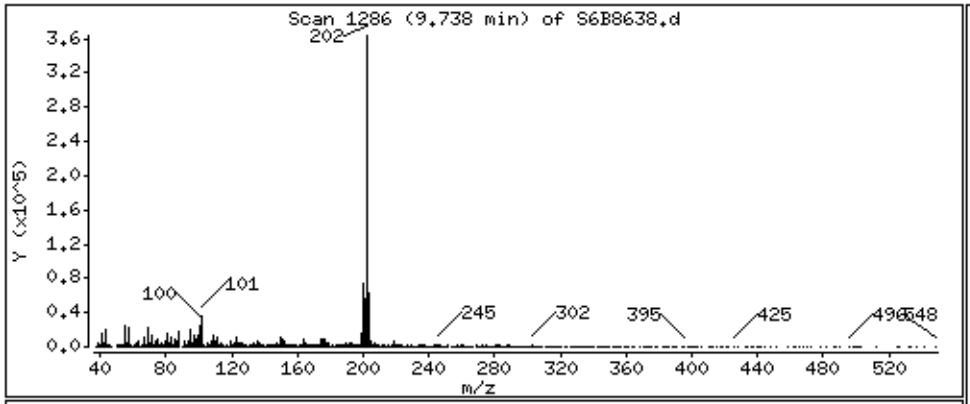
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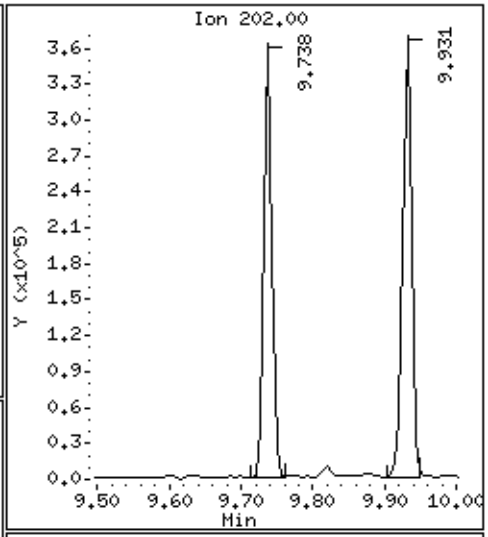
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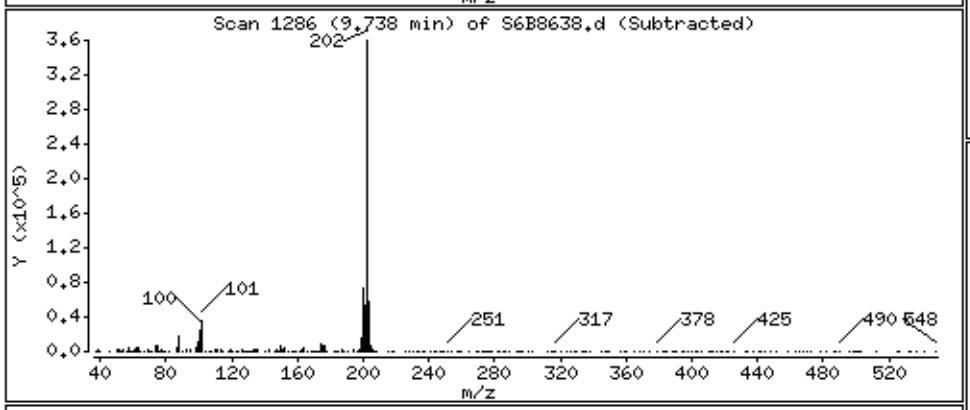
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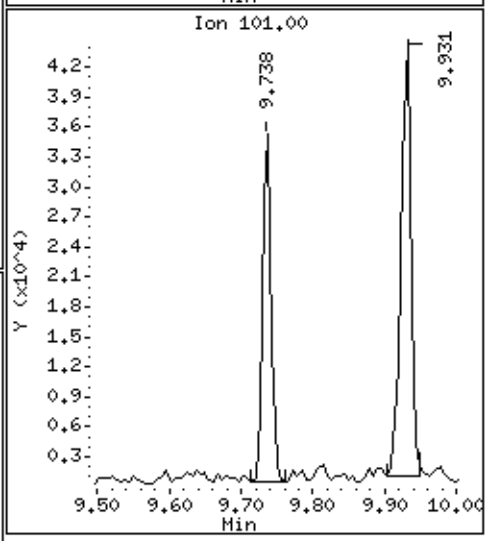
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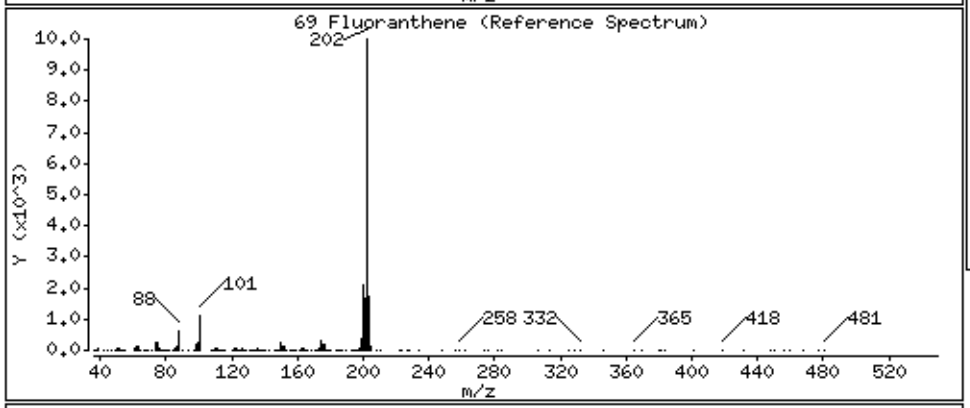
69 Fluoranthene Concentration: 570 ug/Kg

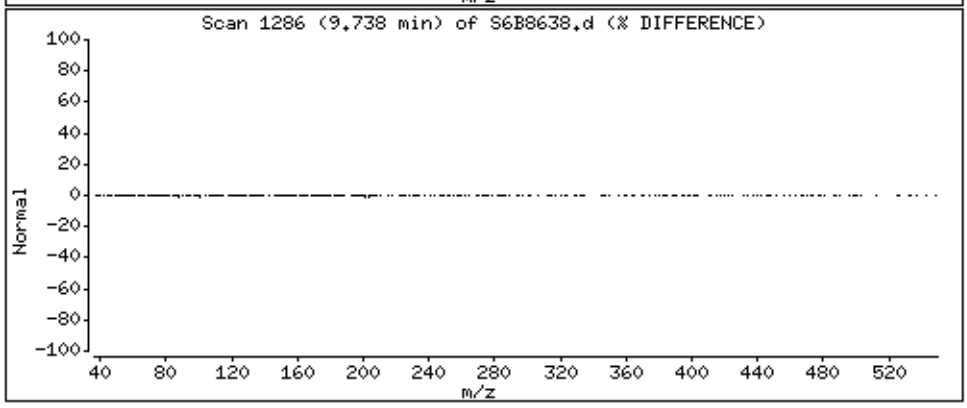












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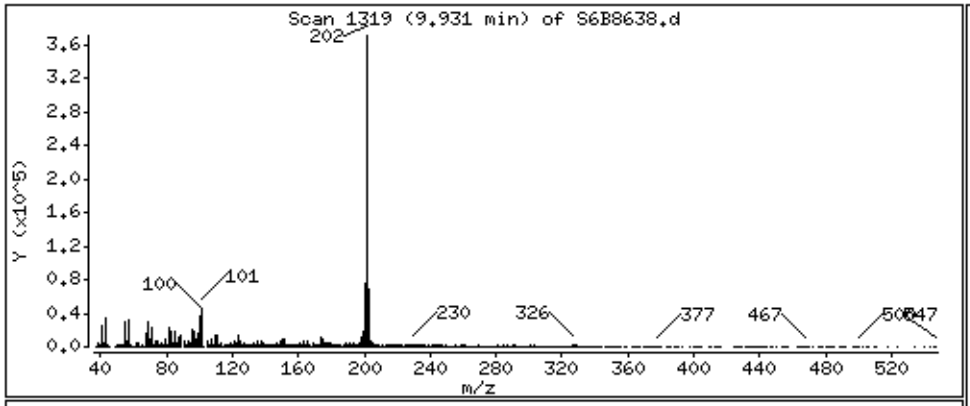
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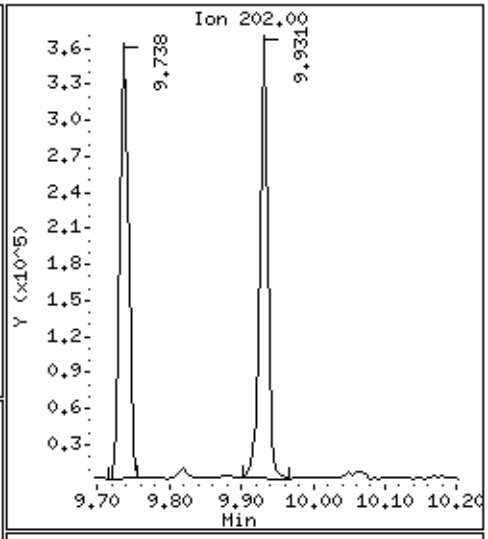
Sample Info: N1194-09A,,78076

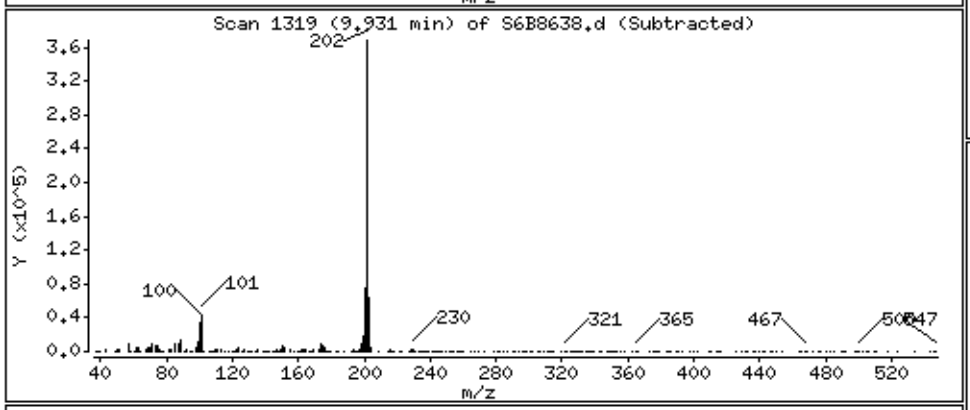
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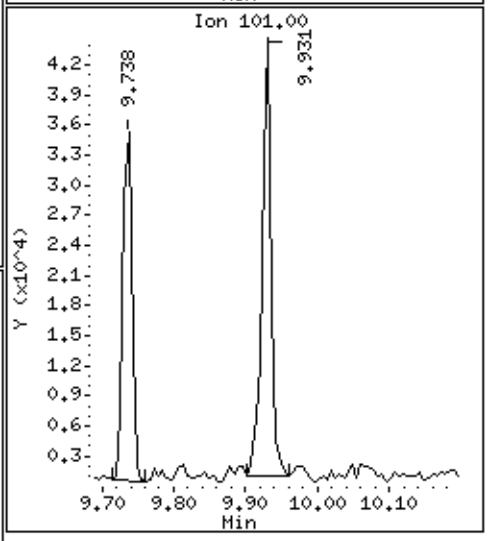
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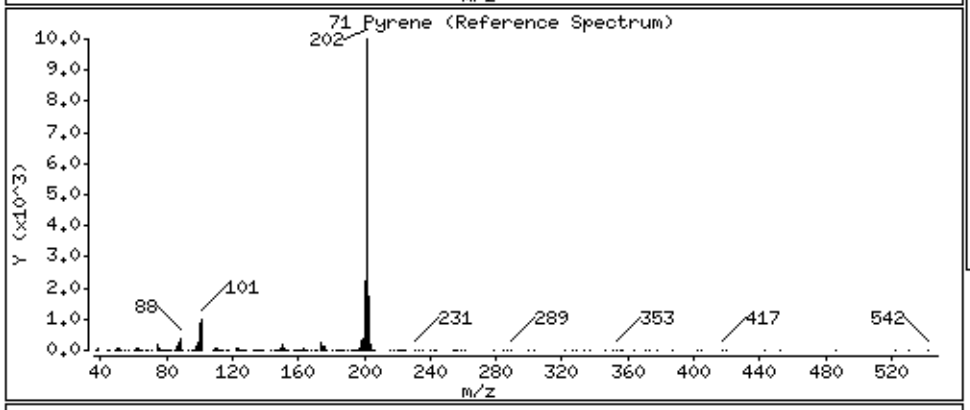
71 Pyrene Concentration: 560 ug/Kg

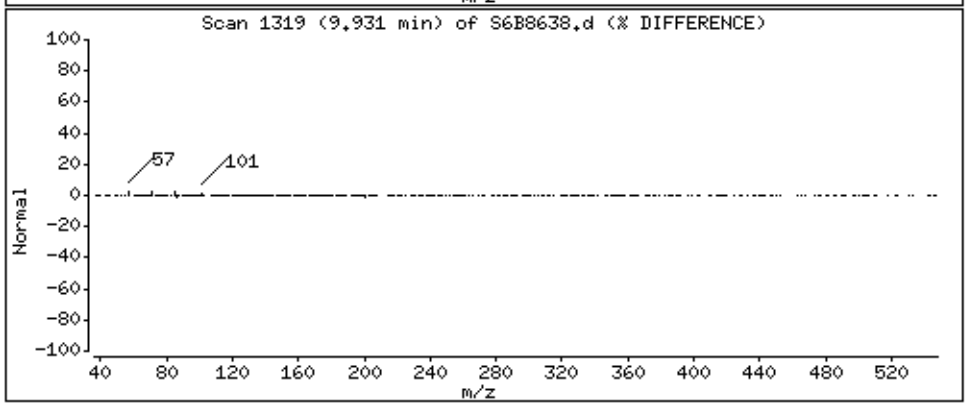












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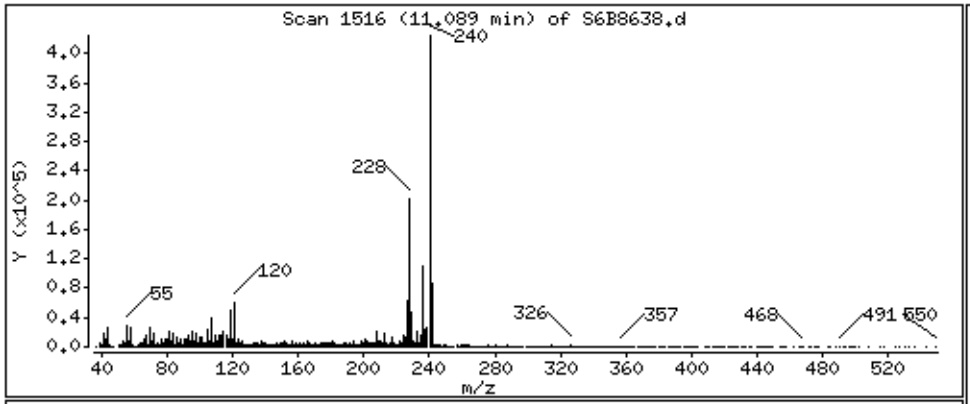
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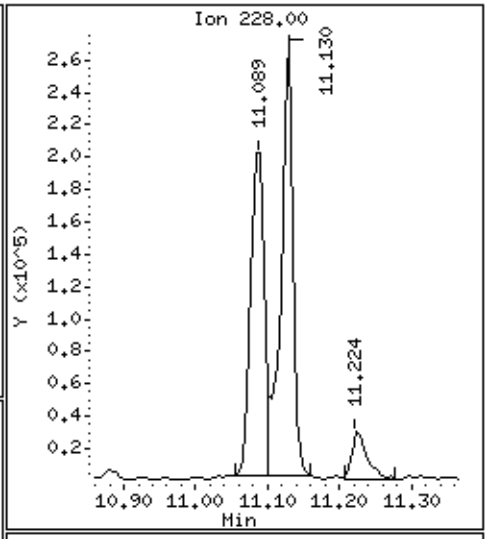
Sample Info: N1194-09A,,78076

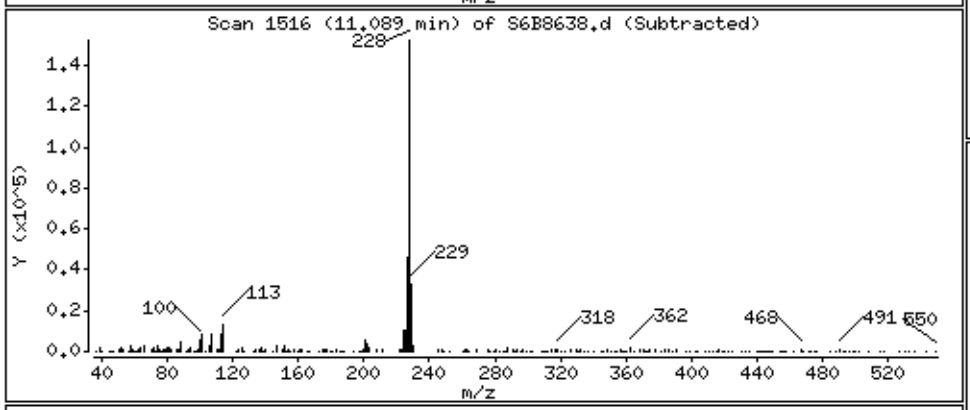
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

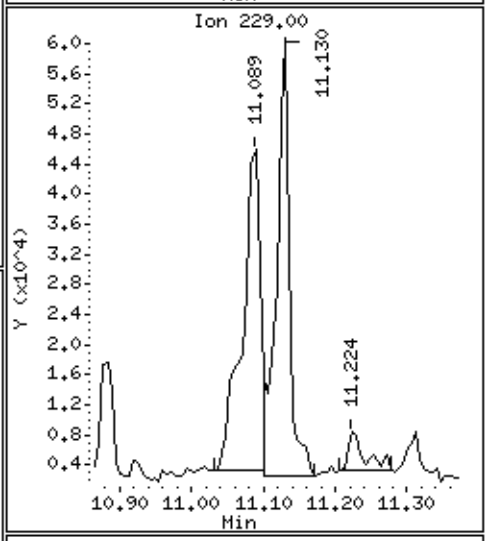
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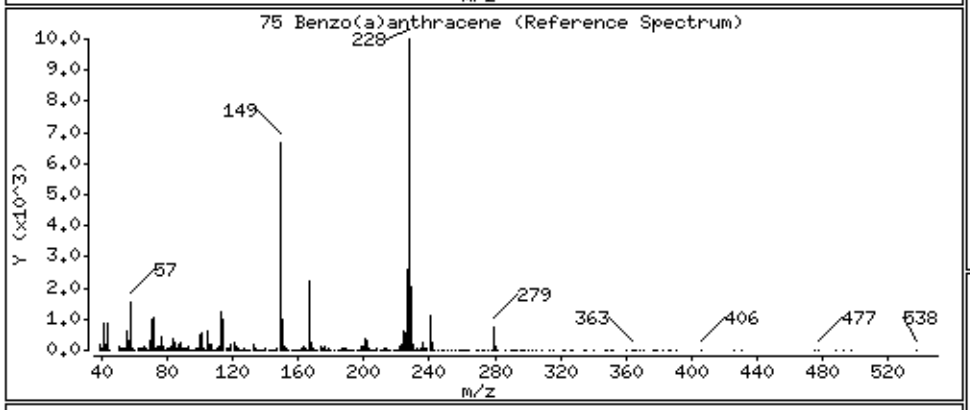
75 Benzo(a)anthracene Concentration: 520 ug/Kg

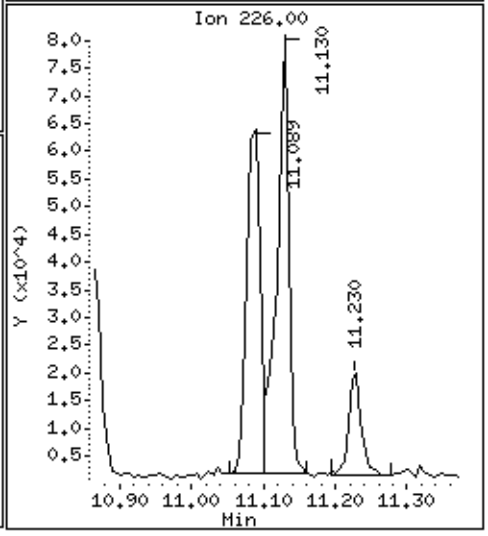


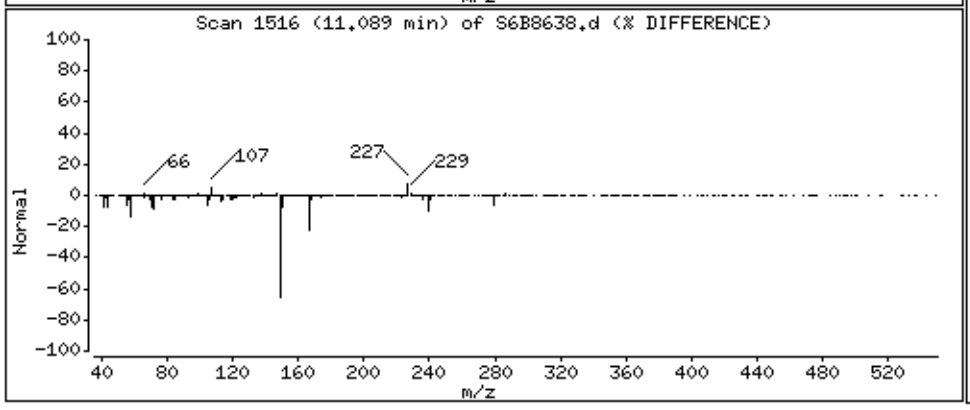












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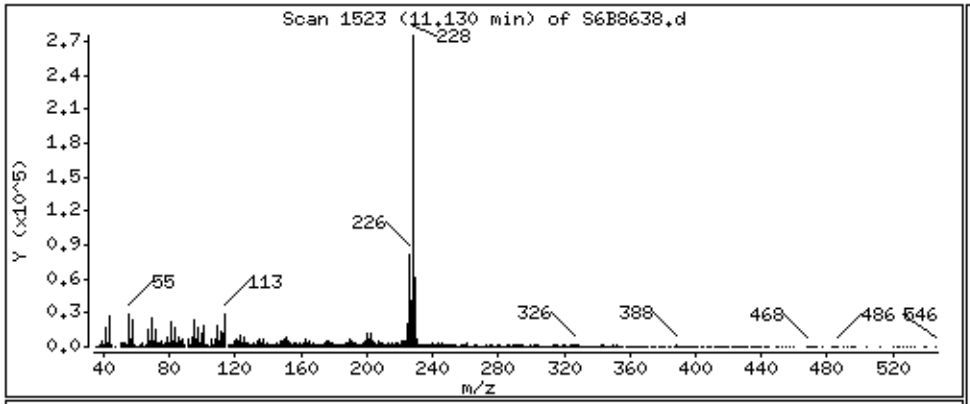
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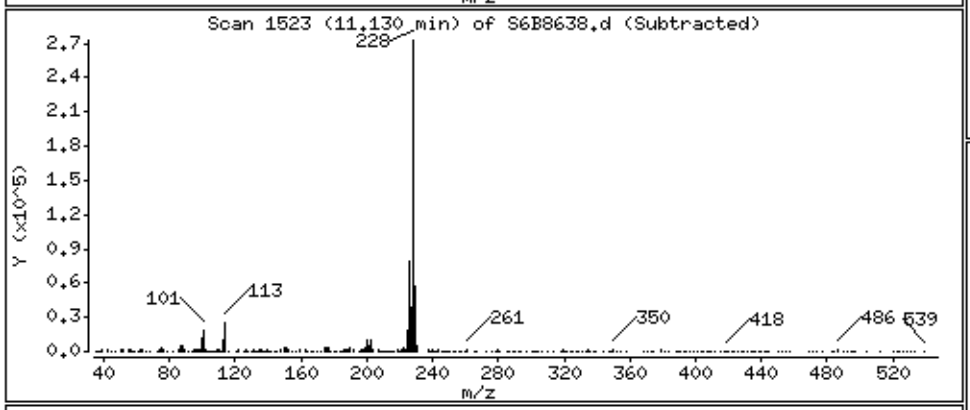
Sample Info: N1194-09A,,78076

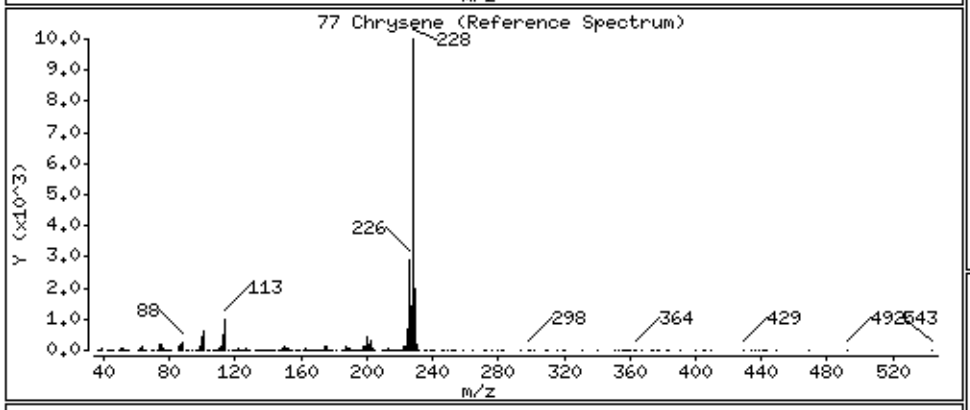
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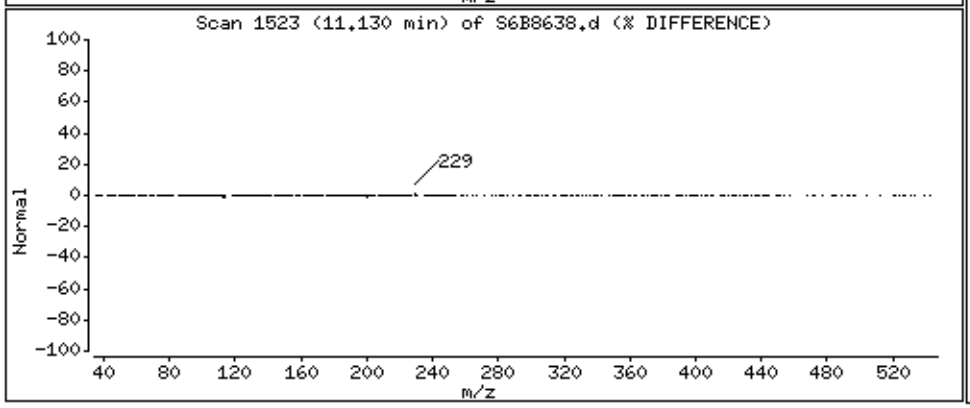
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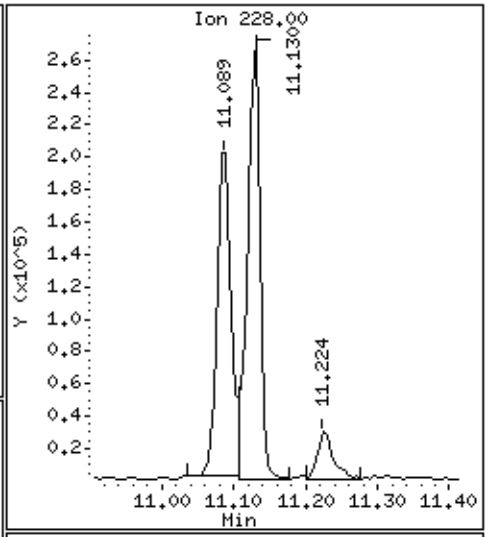
77 Chrysene Concentration: 700 ug/Kg

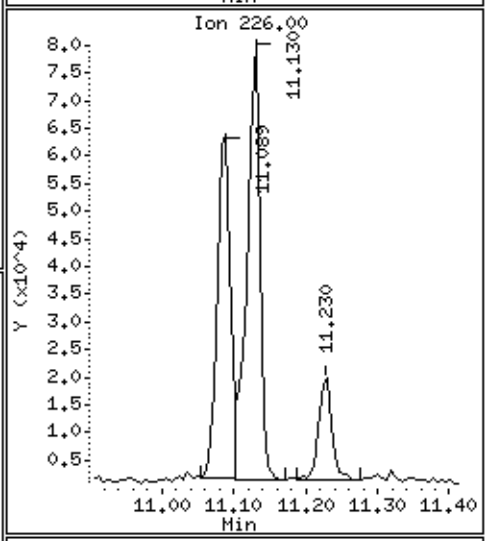


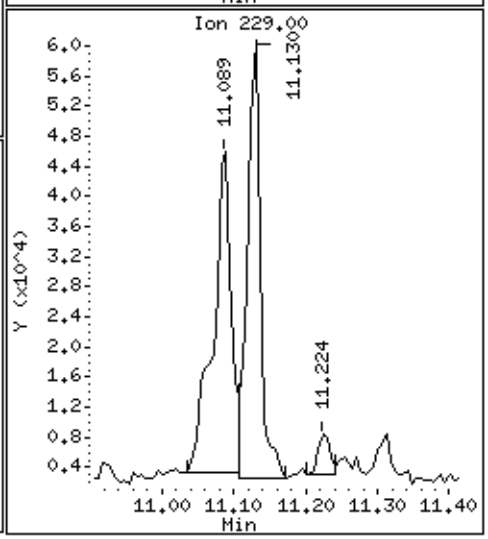












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Date : 17-JUL-2014 19:19

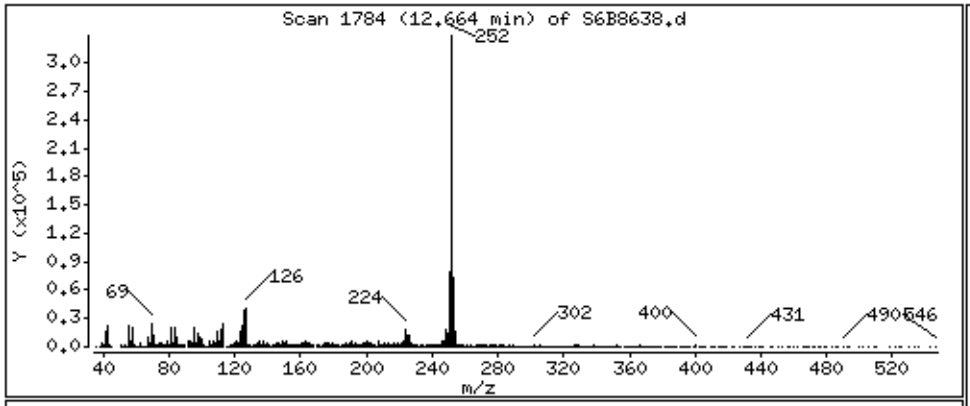
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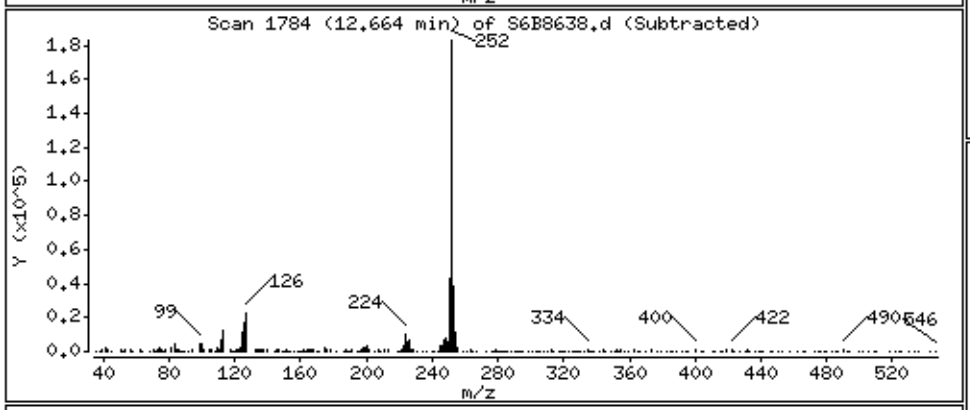
Sample Info: N1194-09A,,78076

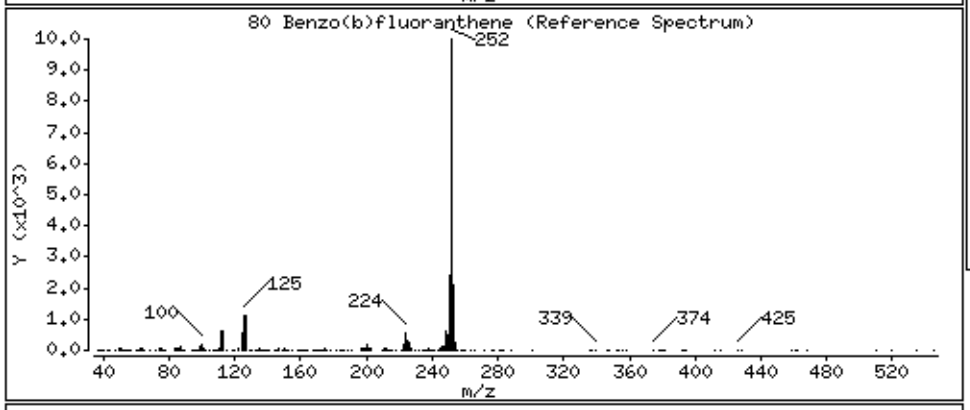
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

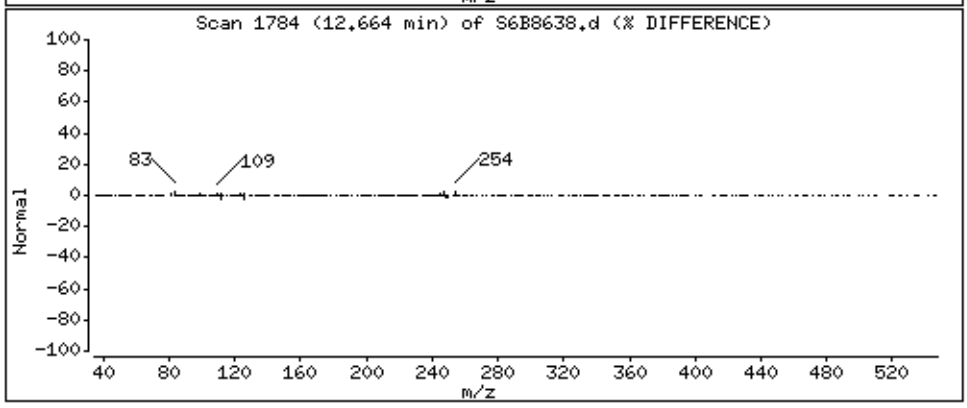
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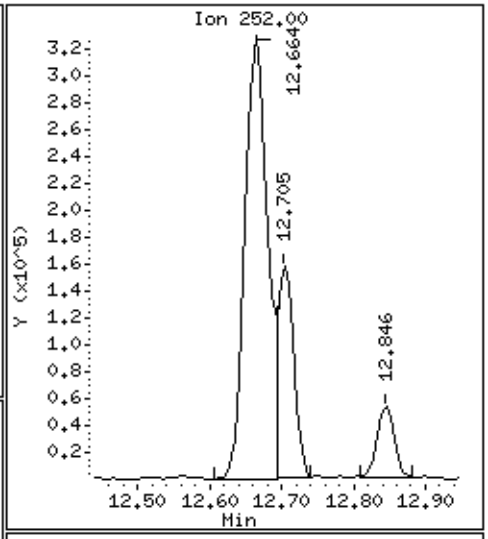
80 Benzo(b)fluoranthene Concentration: 1300 ug/Kg

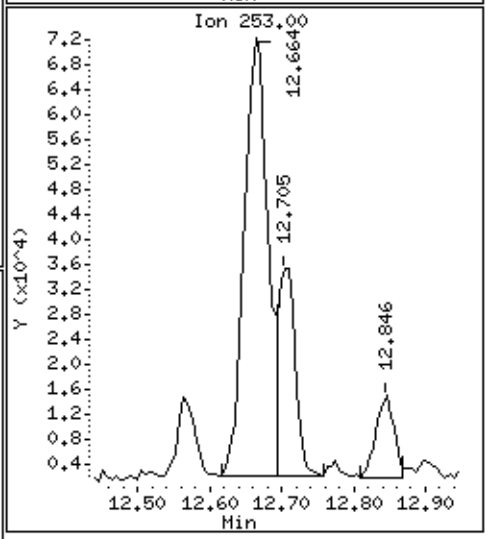












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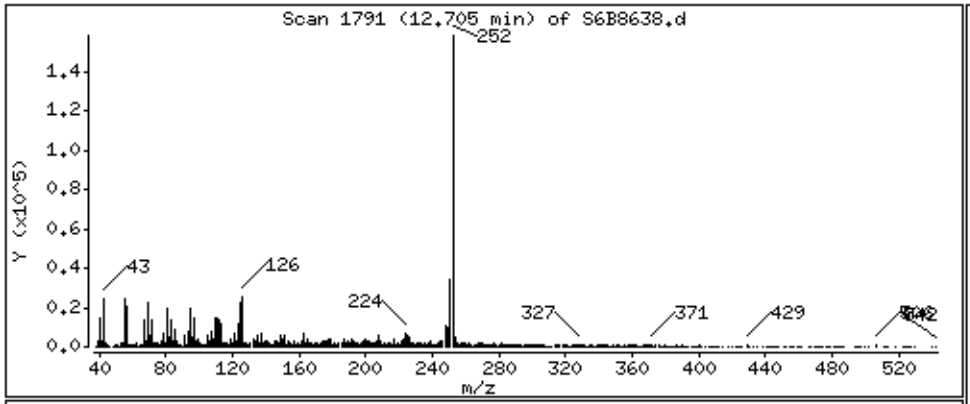
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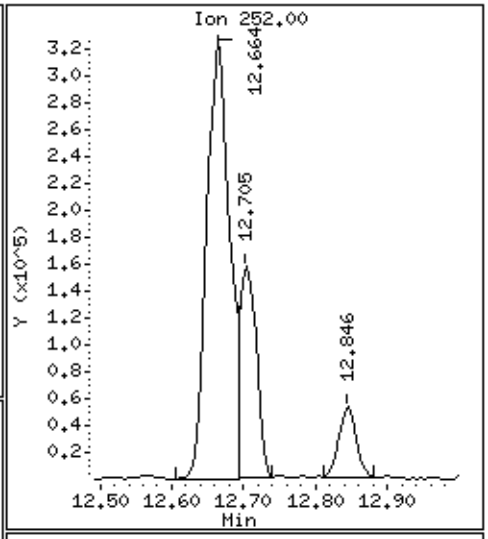
Sample Info: N1194-09A,,78076

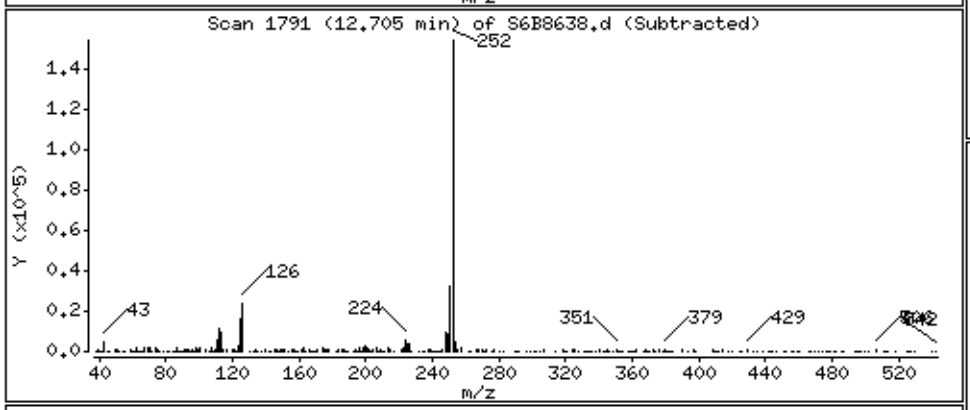
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

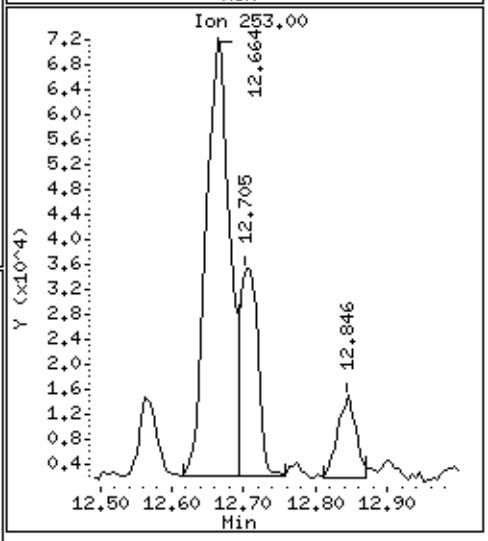
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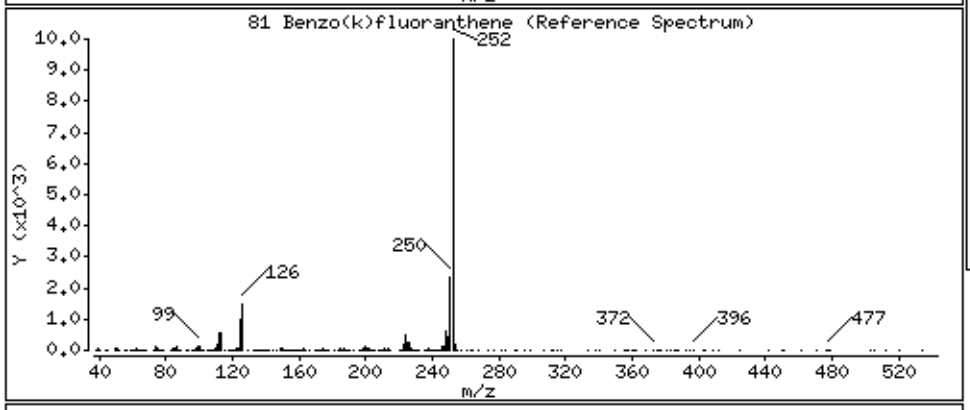
81 Benzo(k)fluoranthene Concentration: 460 ug/Kg

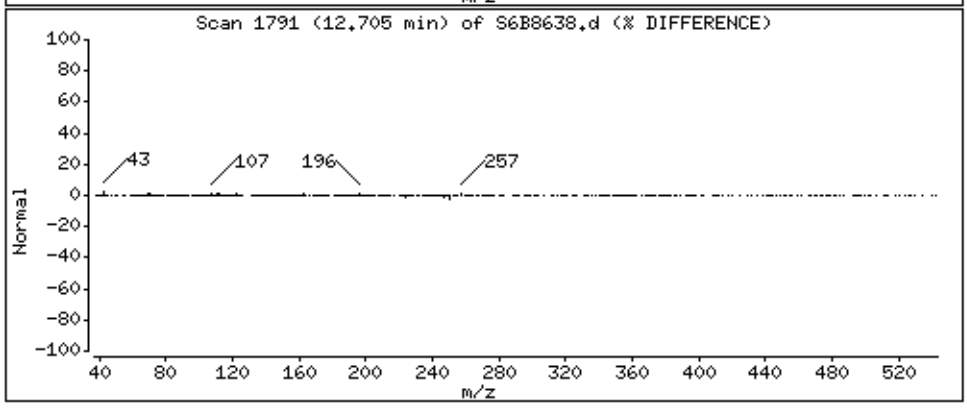












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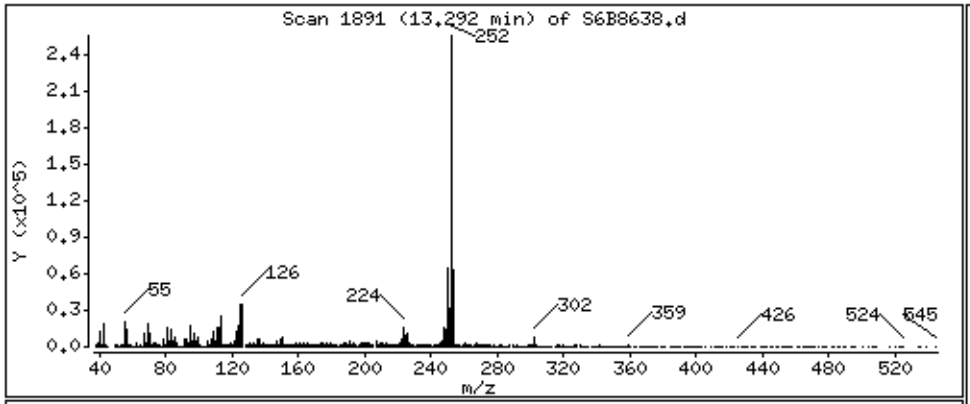
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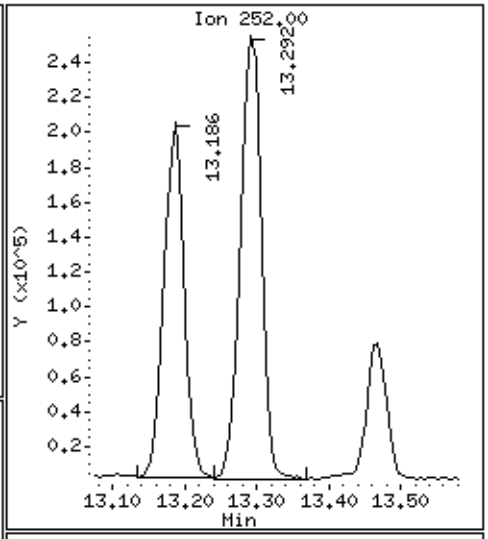
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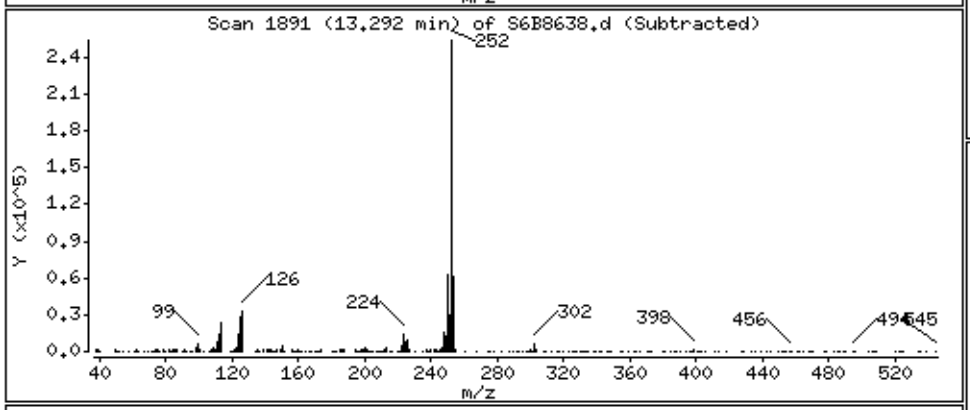
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

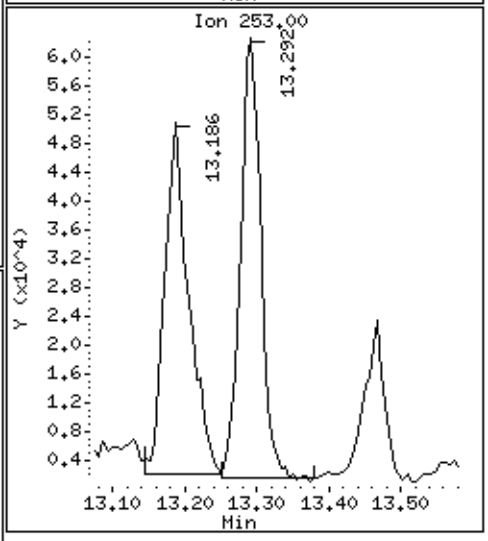
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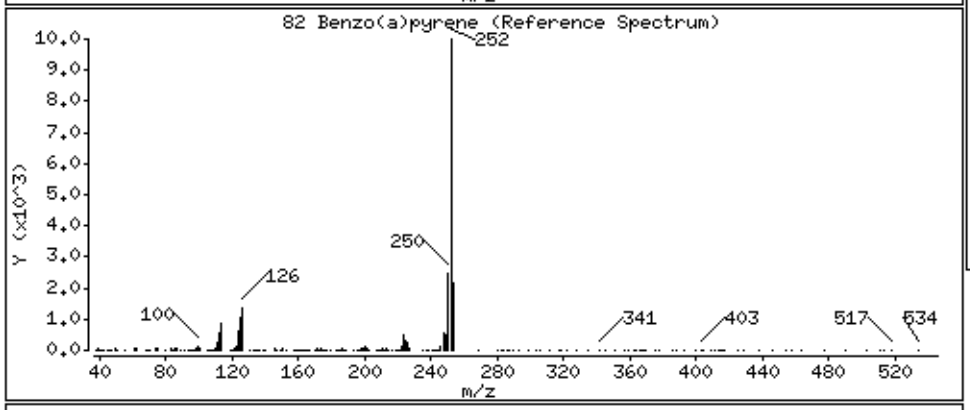
82 Benzo(a)pyrene Concentration: 970 ug/Kg

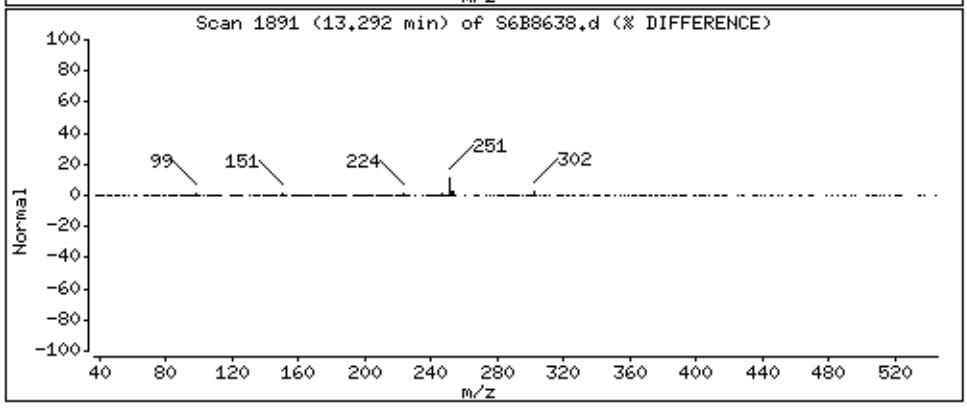












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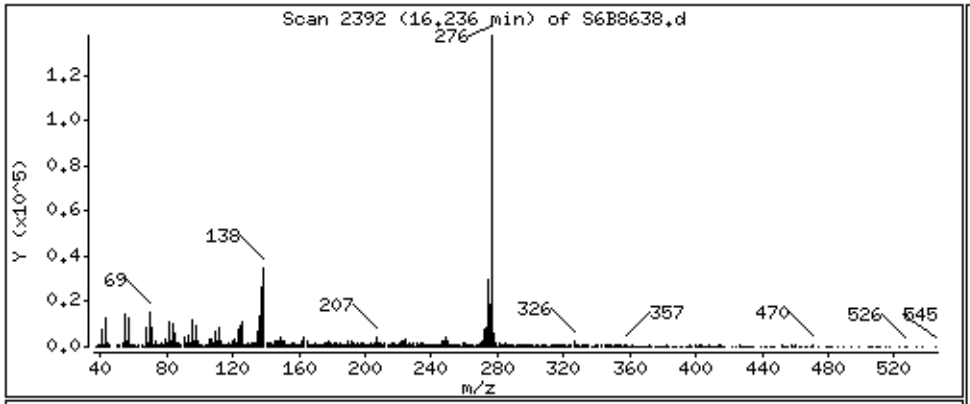
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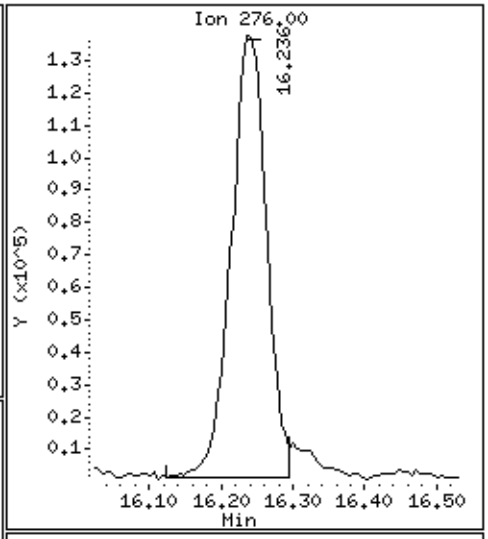
Sample Info: N1194-09A,,78076

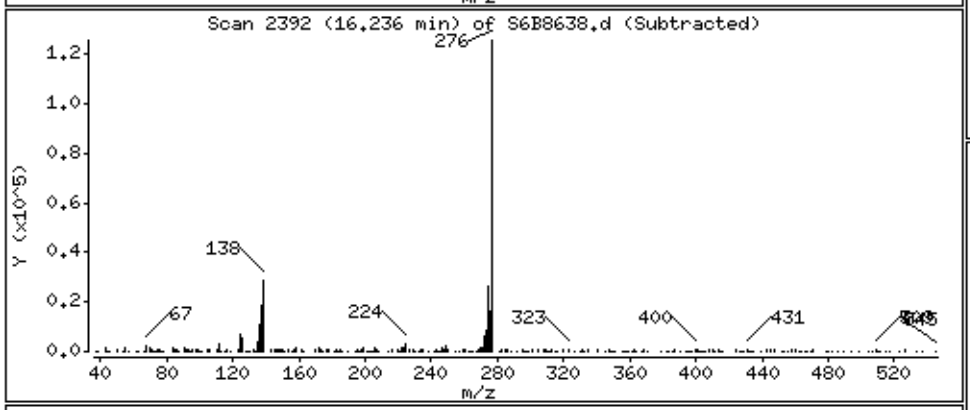
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

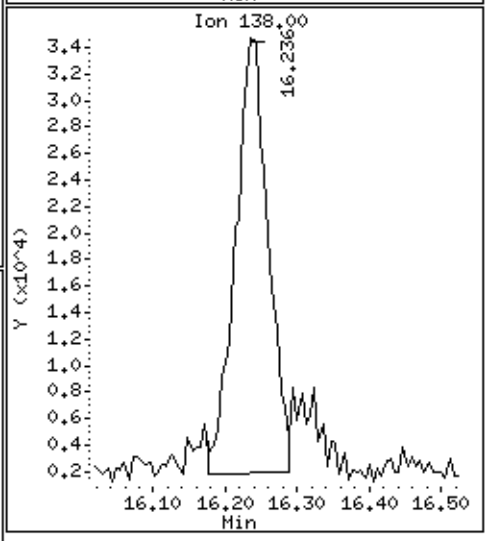
Column phase: Rxi-5Sil MS Column diameter: 0.25

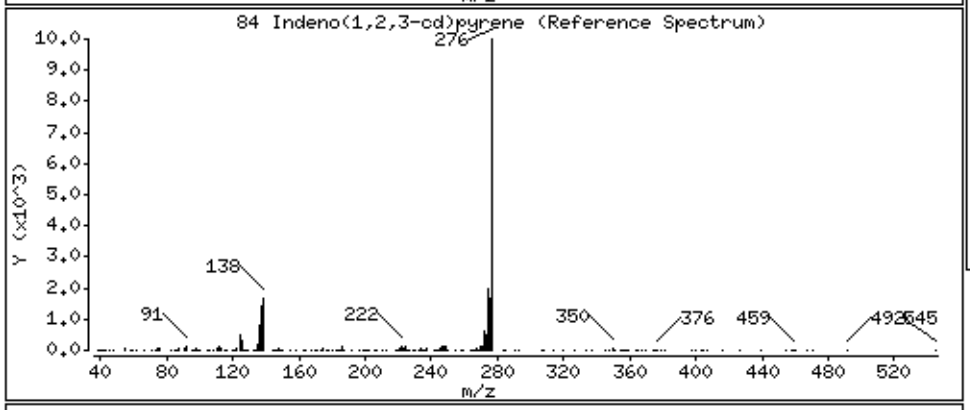
84 Indeno(1,2,3-cd)pyrene Concentration: 1000 ug/Kg

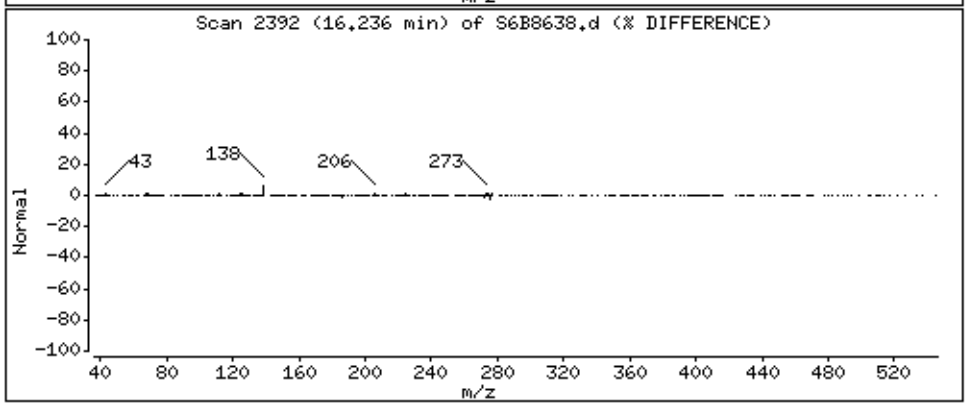












Data File: \\avogadro\organics\S6.I\140717.B\S6B8638.d

Date : 17-JUL-2014 19:19

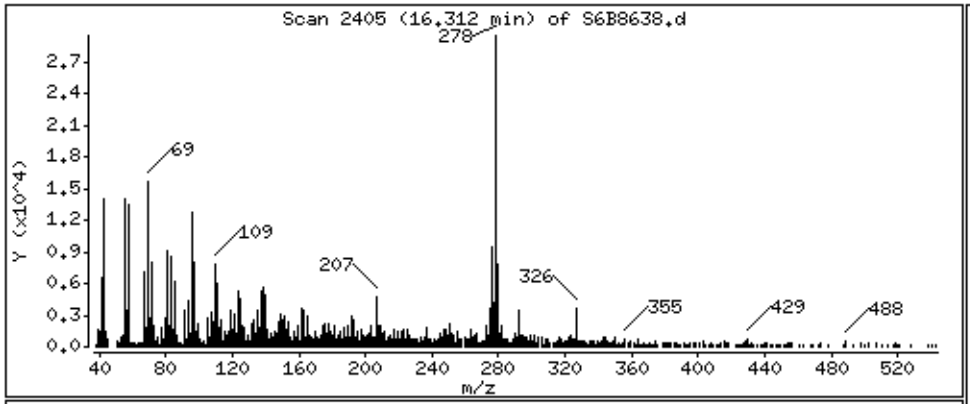
Client ID: SS-19-071014 Instrument: S6.i

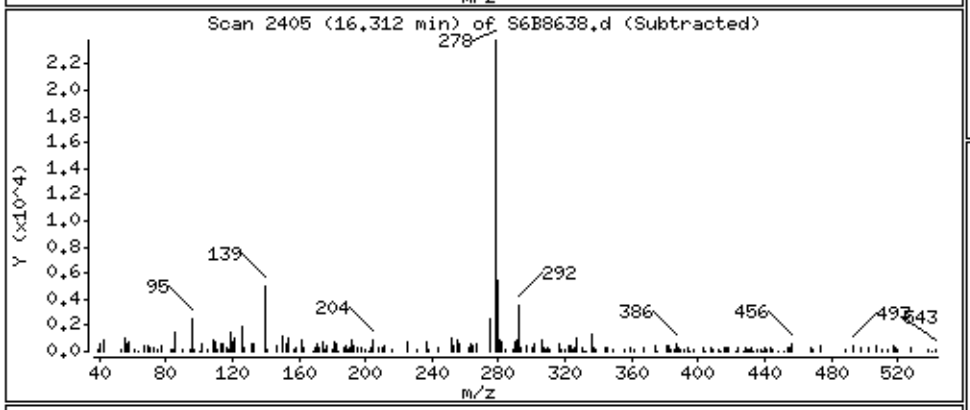
Sample Info: N1194-09A,,78076

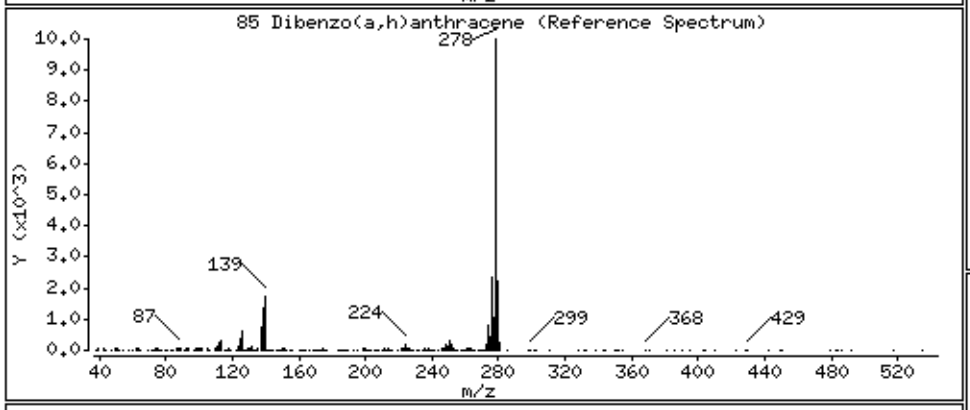
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

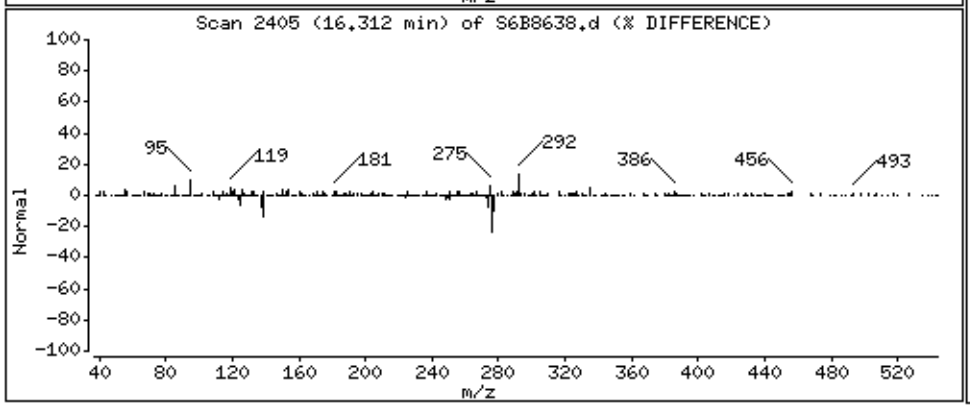
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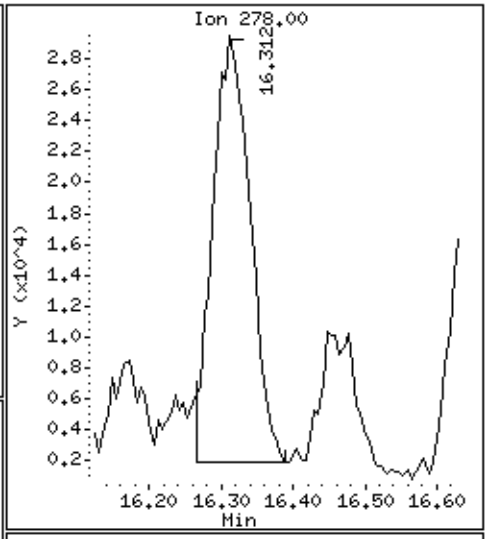
85 Dibenzo(a,h)anthracene Concentration: 220 ug/Kg

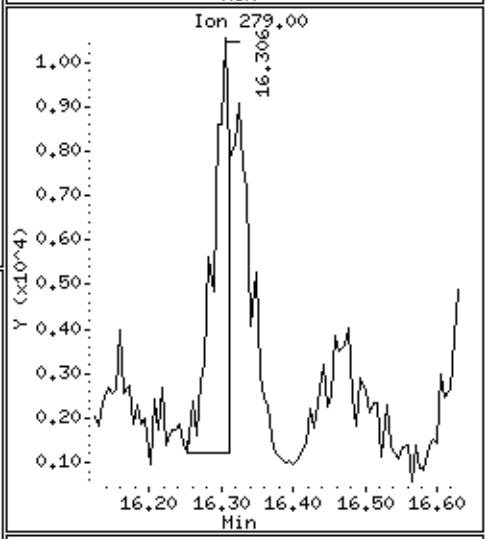


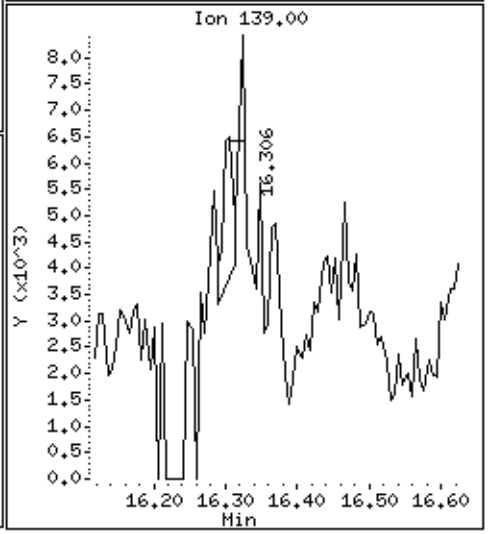












Data File: \\avogadro\organics\S6.I\140717.B\S6B8638.d

Date : 17-JUL-2014 19:19

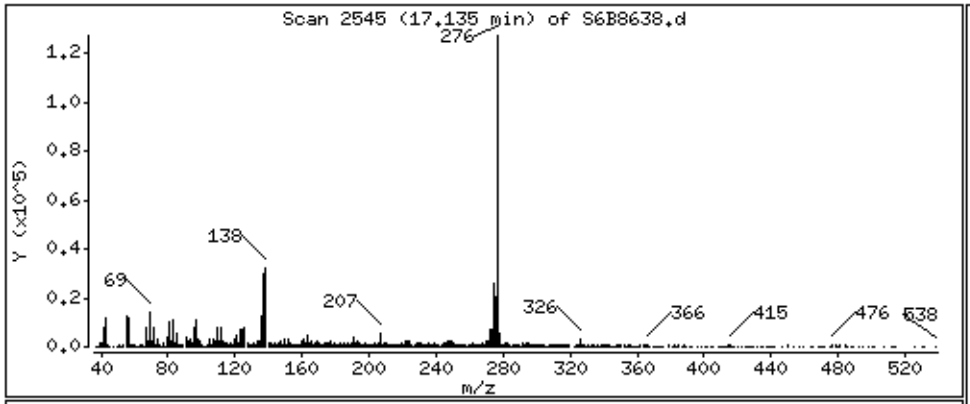
Client ID: SS-19-071014 Instrument: S6.i

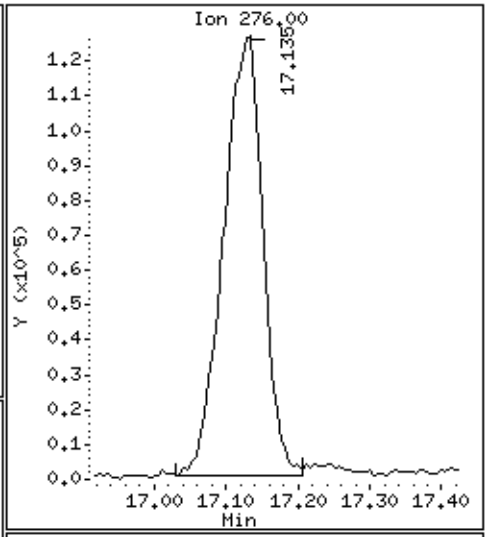
Sample Info: N1194-09A,,78076

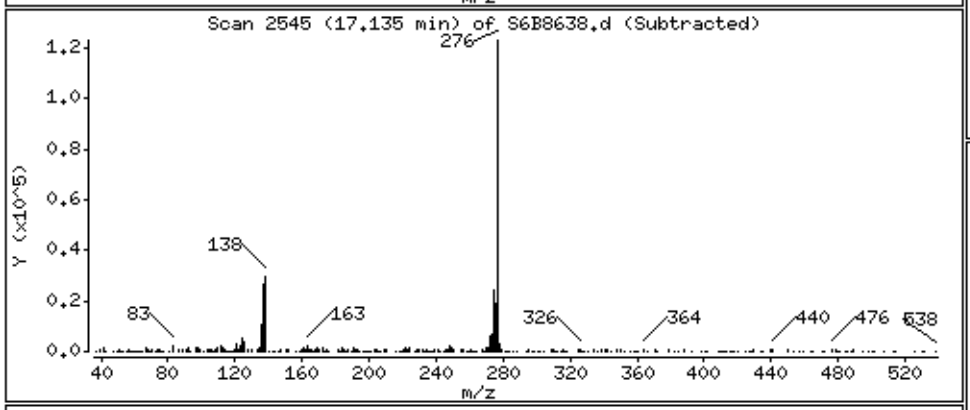
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

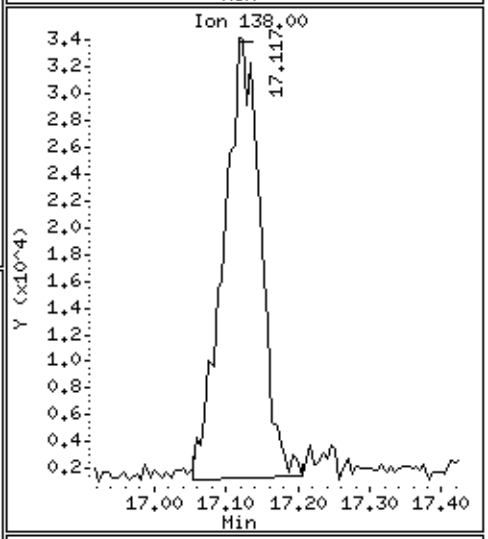
Column phase: Rxi-5Sil MS Column diameter: 0.25

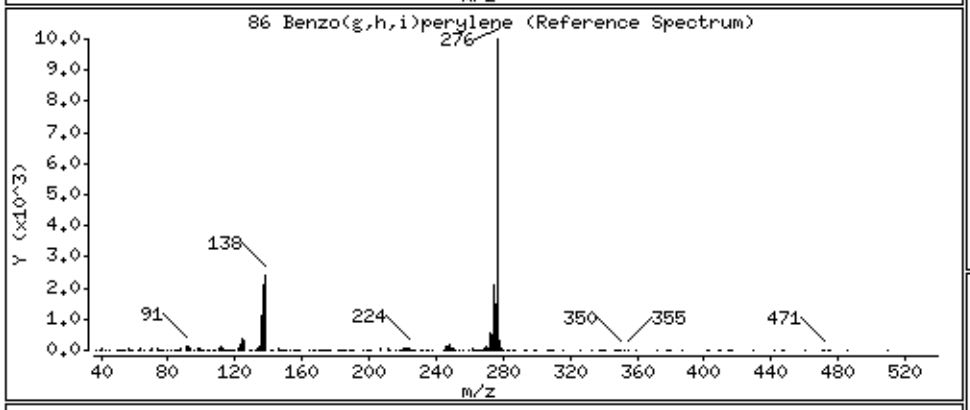
86 Benzo(g,h,i)perylene Concentration: 1000 ug/Kg

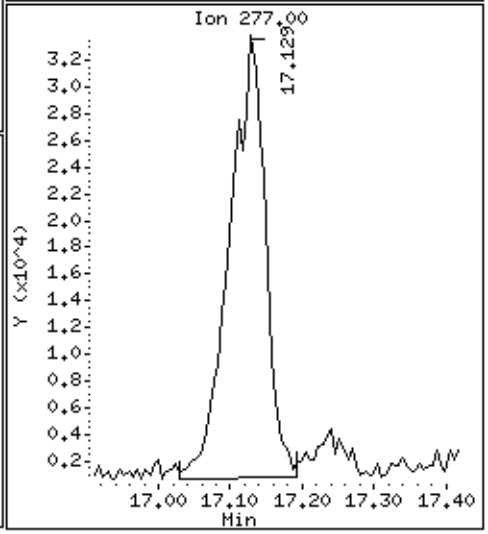


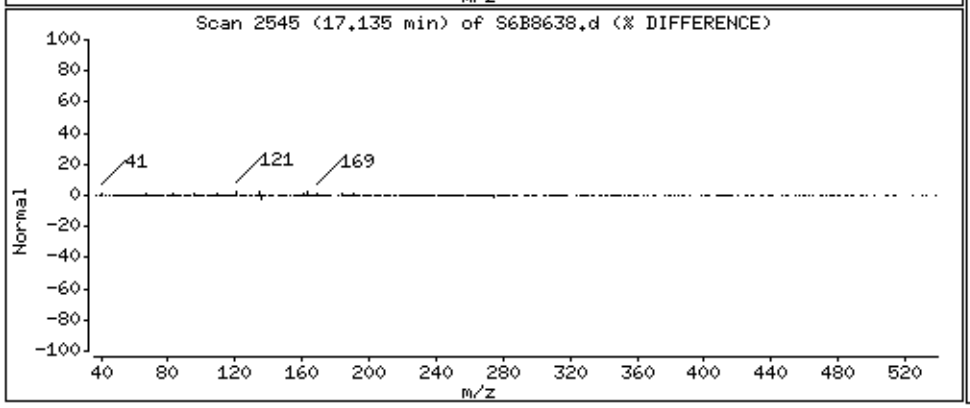












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-20-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-10A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S6B8639.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
86-73-7	Fluorene	370	U
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	440	
129-00-0	Pyrene	380	
56-55-3	Benzo(a)anthracene	350	J
218-01-9	Chrysene	440	
205-99-2	Benzo(b)fluoranthene	860	
207-08-9	Benzo(k)fluoranthene	280	J
50-32-8	Benzo(a)pyrene	600	
193-39-5	Indeno(1,2,3-cd)pyrene	620	
53-70-3	Dibenzo(a,h)anthracene	140	J
191-24-2	Benzo(g,h,i)perylene	650	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8639.d
Report Date: 18-Jul-2014 15:43

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8639.d
Lab Smp Id: N1194-10A Client Smp ID: SS-20-071014
Inj Date : 17-JUL-2014 19:42
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-10A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.400	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.849	3.832	(0.776)	297112	32.7122	2100
$	5 Phenol-d5	99	4.660	4.655	(0.940)	364900	31.4702	2000
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	274205	40.0000	
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	357511	38.7248	2500
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	895706	40.0000	
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	751089	39.1012	2500
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	548898	40.0000	
$	60 2,4,6-Tribromophenol	330	8.150	8.156	(0.934)	94402	38.4649	2500
*	64 Phenanthrene-d10	188	8.726	8.732	(1.000)	1066047	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.003)	65938	2.29061	150(a)
	69 Fluoranthene	202	9.737	9.749	(1.116)	192897	5.85511	380(a)
	71 Pyrene	202	9.931	9.949	(0.895)	194722	5.11992	330(a)
$	72 Terphenyl-d14	244	10.048	10.060	(0.905)	886897	35.9037	2300
	75 Benzo(a)anthracene	228	11.082	11.112	(0.998)	166157	4.71270	310(aH)
*	76 Chrysene-d12	240	11.100	11.130	(1.000)	1234845	40.0000	
	77 Chrysene	228	11.129	11.159	(1.003)	190987	5.90210	380(a)
	80 Benzo(b)fluoranthene	252	12.657	12.692	(0.944)	431633	11.3849	740(H)
	81 Benzo(k)fluoranthene	252	12.704	12.745	(0.947)	142663	3.70608	240(a)
	82 Benzo(a)pyrene	252	13.286	13.327	(0.990)	290567	8.03300	520(a)

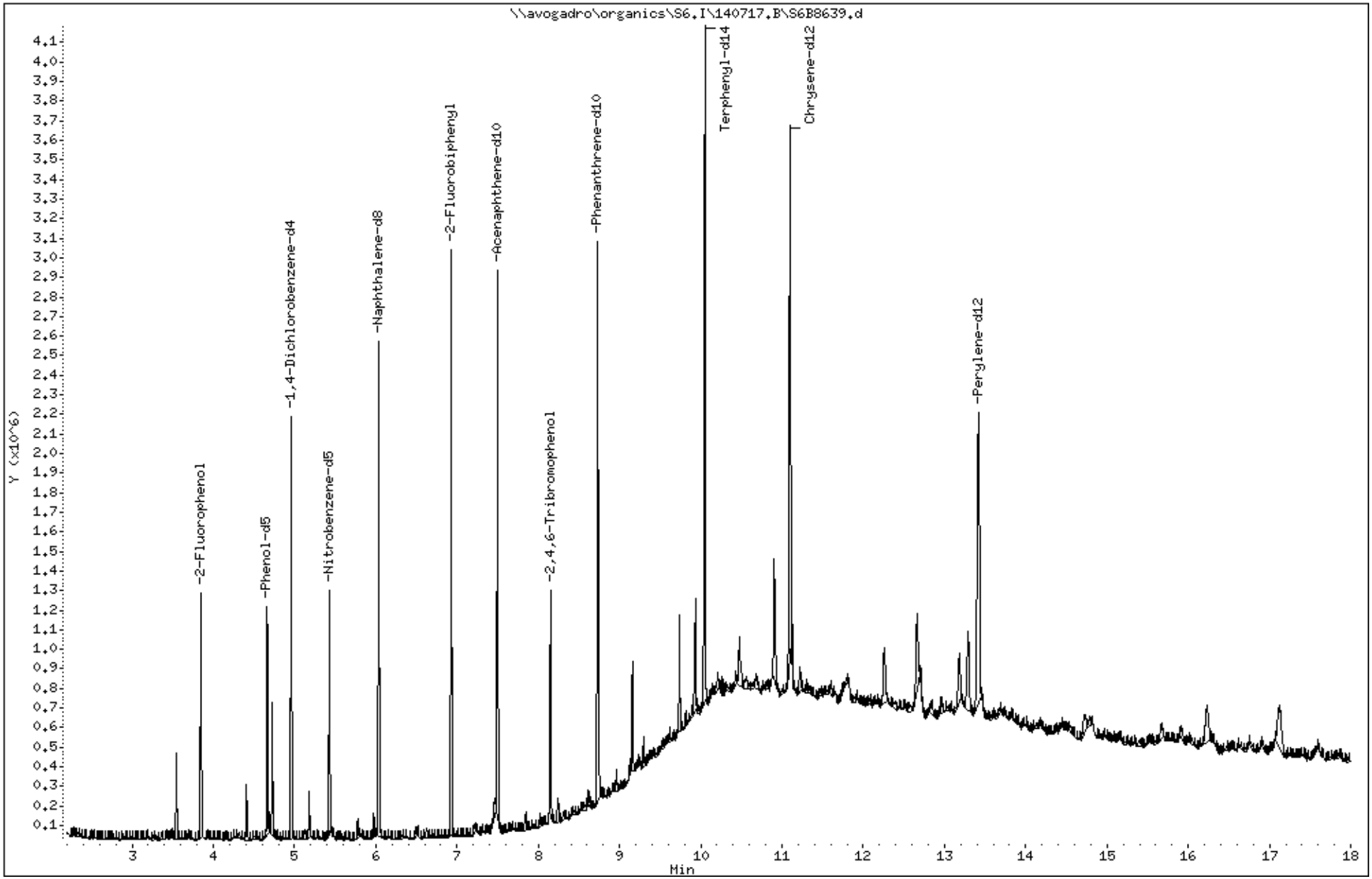
Data File: \\avogadro\organics\S6.I\140717.B\S6B8639.d
Report Date: 18-Jul-2014 15:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)	
* 83 Perylene-d12	264	13.415	13.450	(1.000)	1289542	40.0000		
84 Indeno(1,2,3-cd)pyrene	276	16.229	16.277	(1.210)	260746	8.26162	540(aQ)	
85 Dibenzo(a,h)anthracene	278	16.312	16.376	(1.216)	55707	1.81415	120(aM)M6 TM 07/18	
86 Benzo(g,h,i)perylene	276	17.111	17.170	(1.275)	281531	8.63775	560(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8639.d
Date : 17-JUL-2014 19:42
Client ID: SS-20-071014
Instrument: S6.i
Sample Info: N1194-10A,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8639.d

Date : 17-JUL-2014 19:42

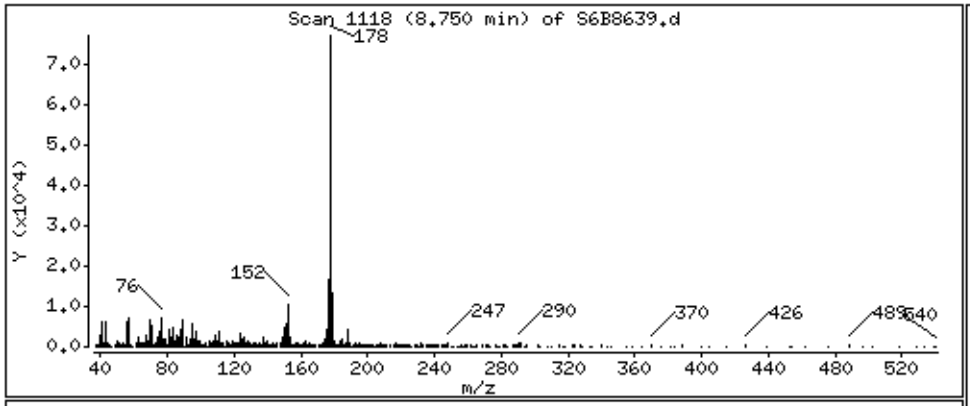
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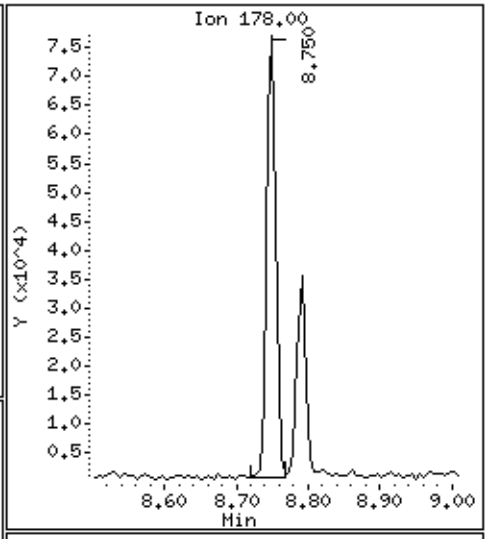
Sample Info: N1194-10A,,78076

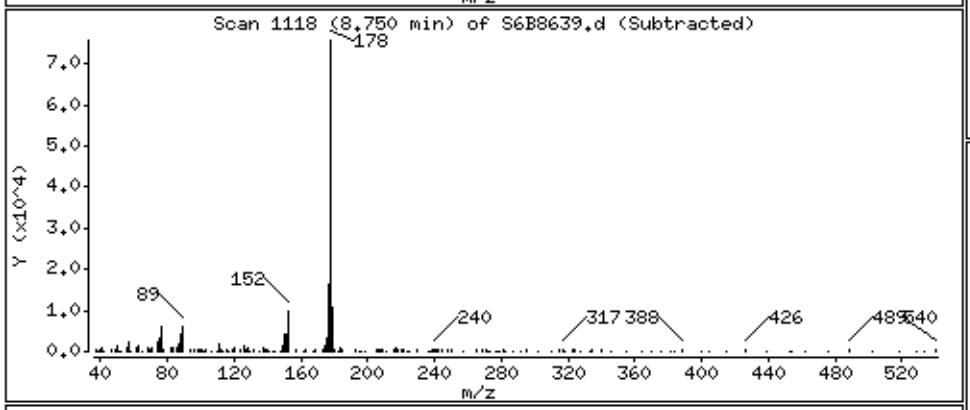
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

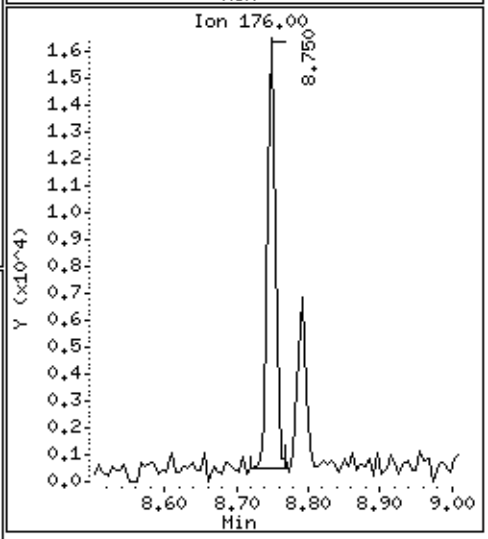
Column phase: Rxi-5Sil MS Column diameter: 0.25

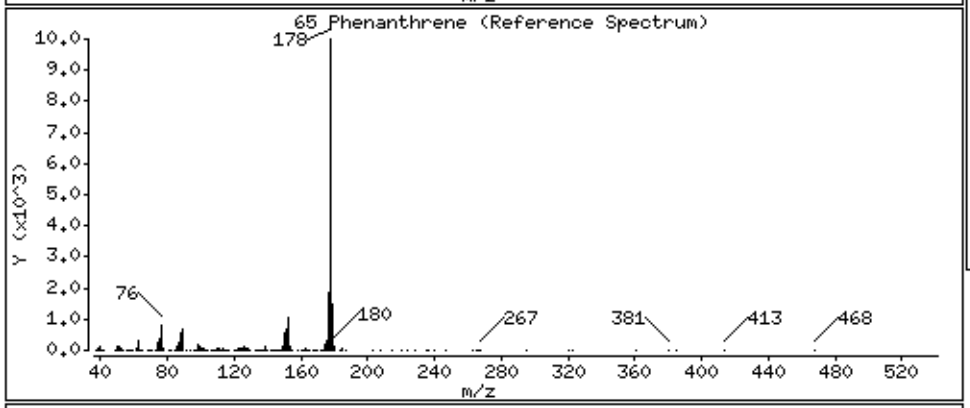
65 Phenanthrene Concentration: 150 ug/Kg

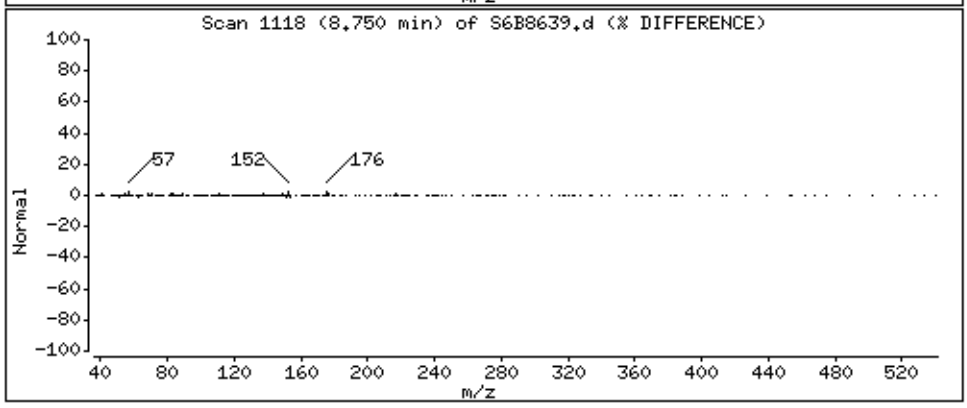












Data File: \\avogadro\organics\S6.I\140717.B\S6B8639.d

Date : 17-JUL-2014 19:42

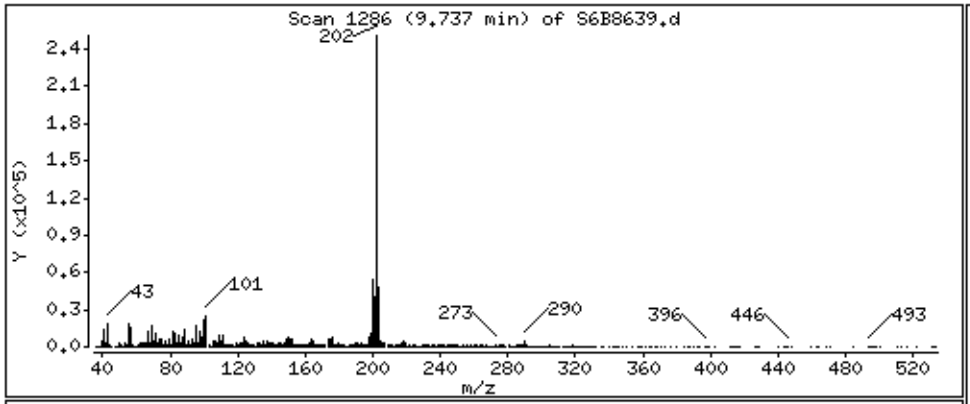
Client ID: SS-20-071014 Instrument: S6.i

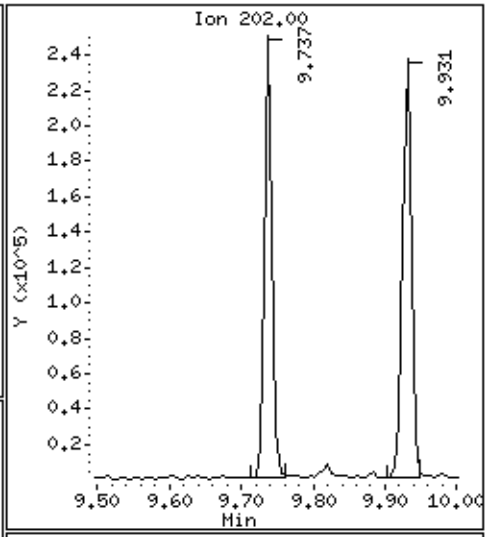
Sample Info: N1194-10A,,78076

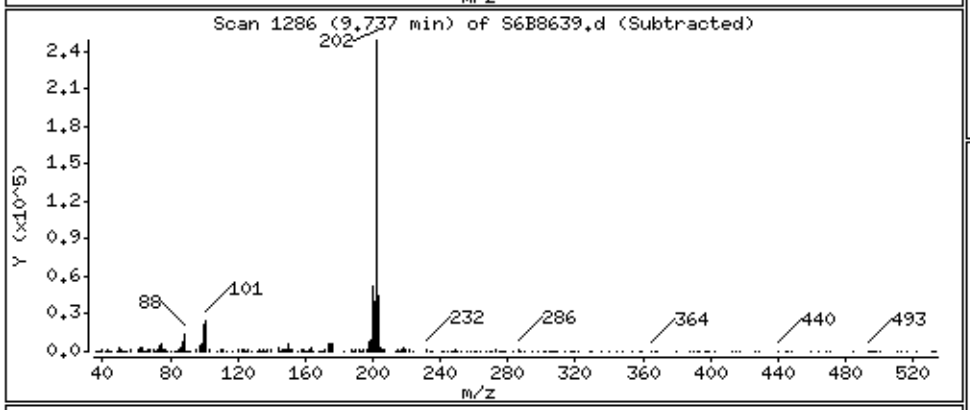
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

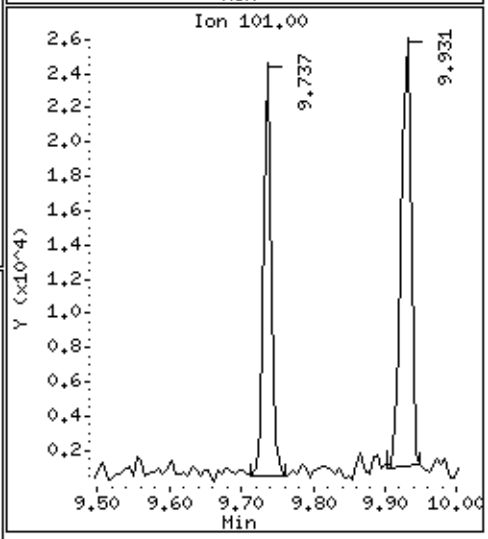
Column phase: Rxi-5Sil MS Column diameter: 0.25

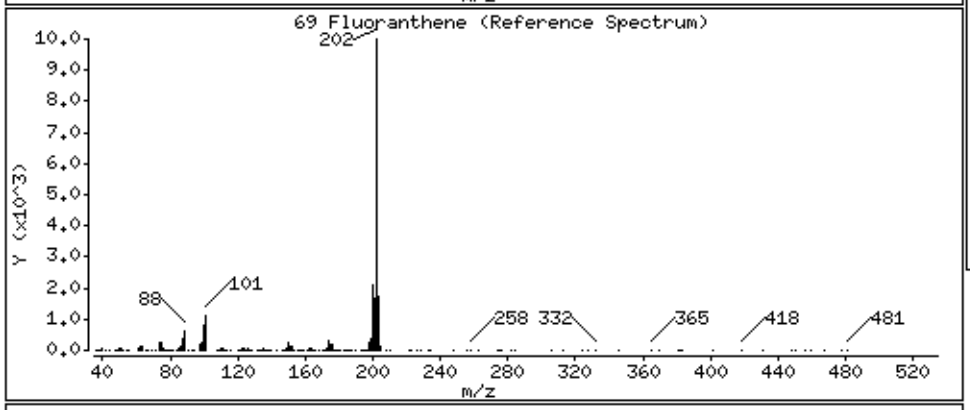
69 Fluoranthene Concentration: 380 ug/Kg

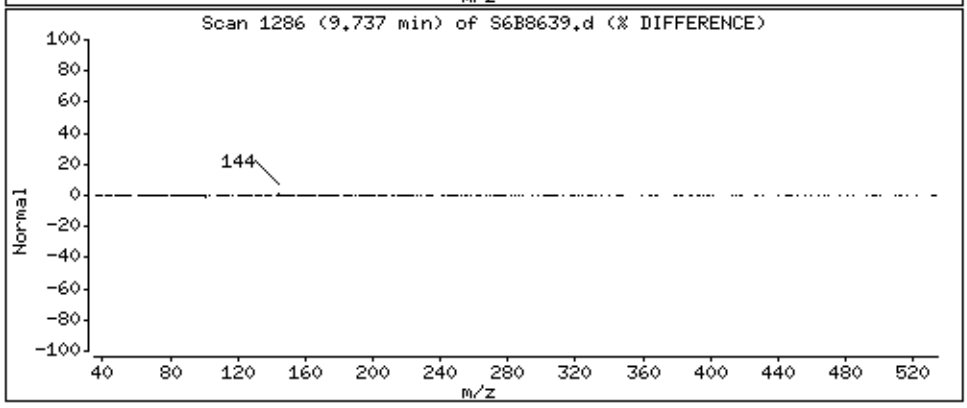












Data File: \\avogadro\organics\S6.I\140717.B\S6B8639.d

Date : 17-JUL-2014 19:42

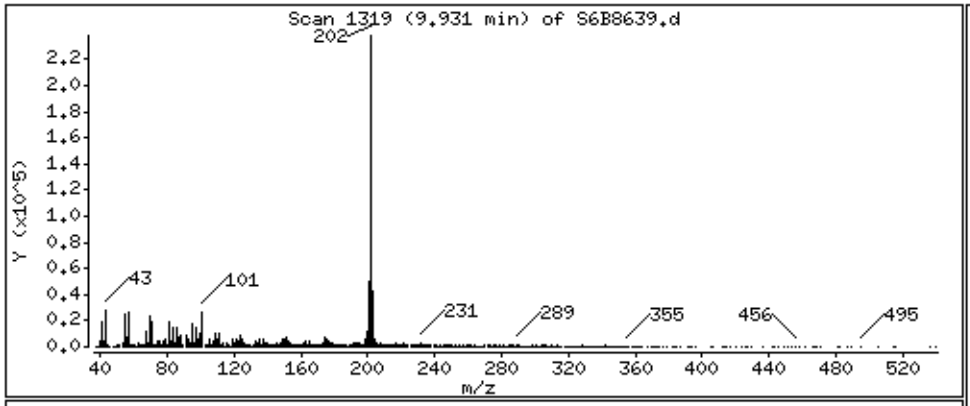
Client ID: SS-20-071014 Instrument: S6.i

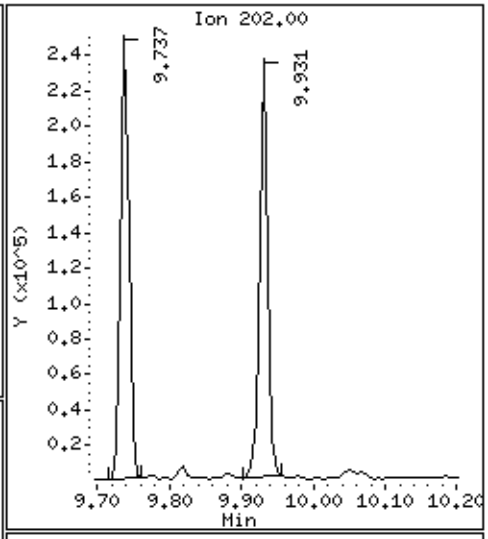
Sample Info: N1194-10A,,78076

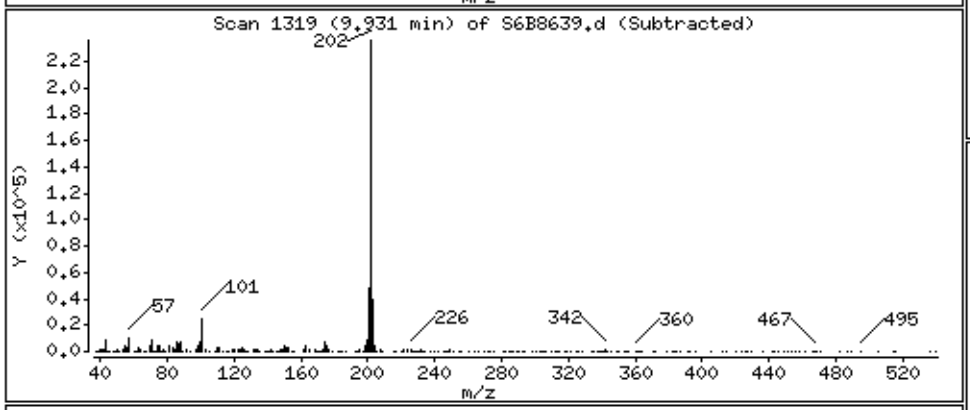
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

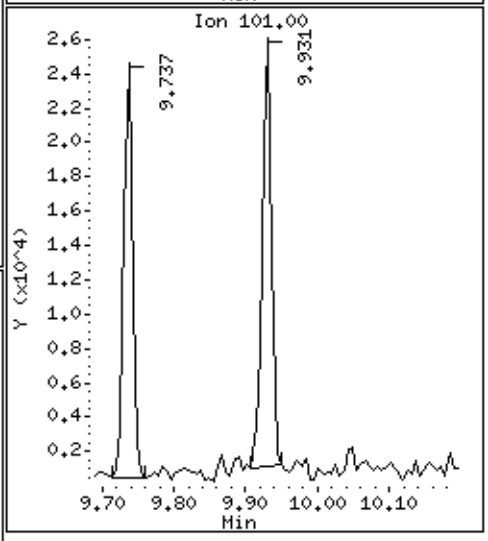
Column phase: Rxi-5Sil MS Column diameter: 0.25

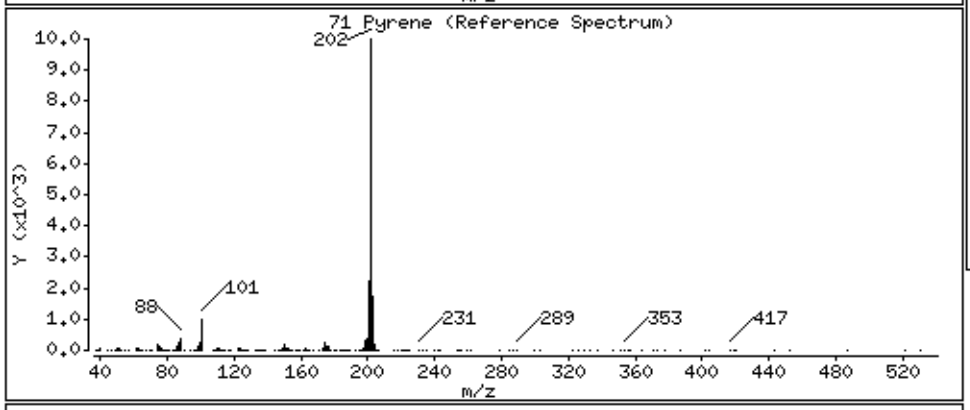
71 Pyrene Concentration: 330 ug/Kg

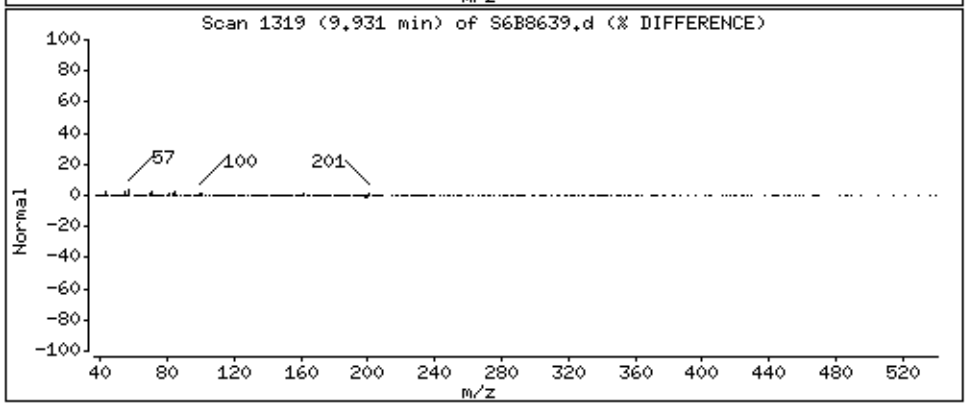












Data File: \\avogadro\organics\S6.I\140717.B\S6B8639.d

Date : 17-JUL-2014 19:42

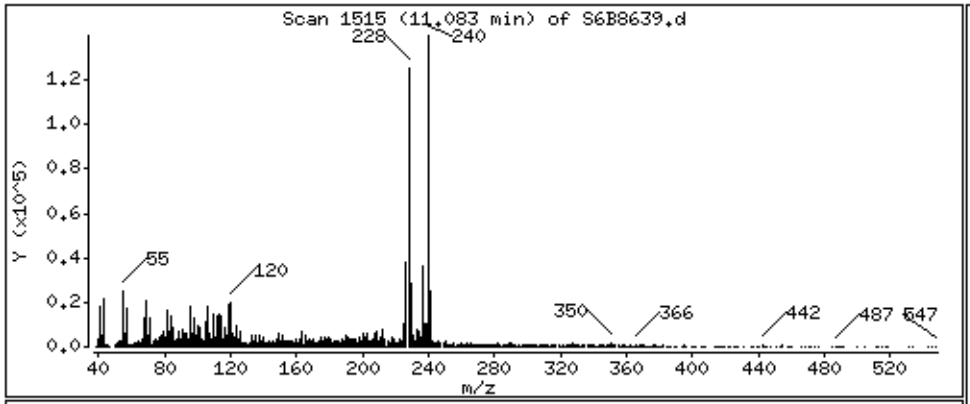
Client ID: SS-20-071014 Instrument: S6.i

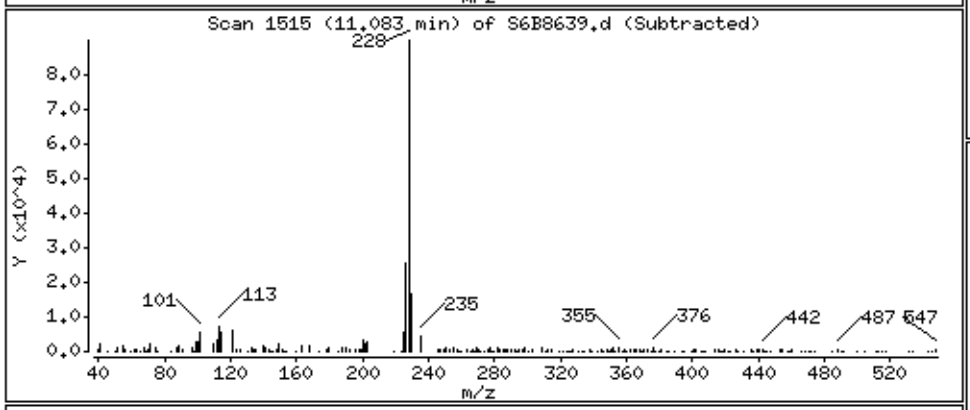
Sample Info: N1194-10A,,78076

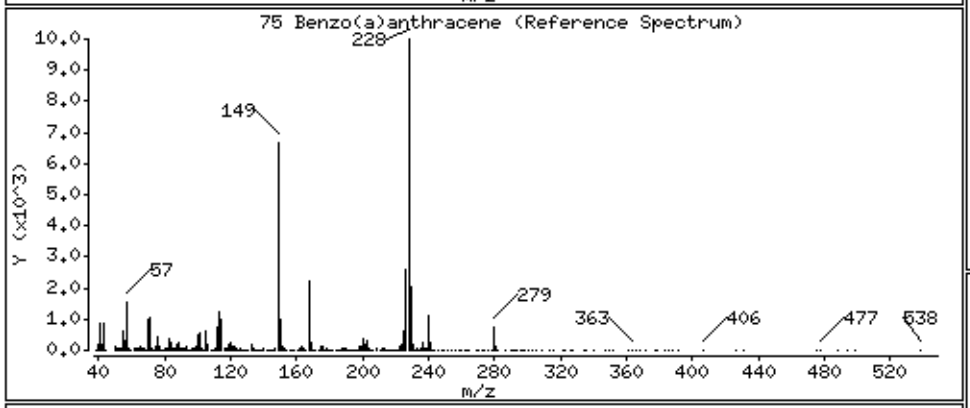
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

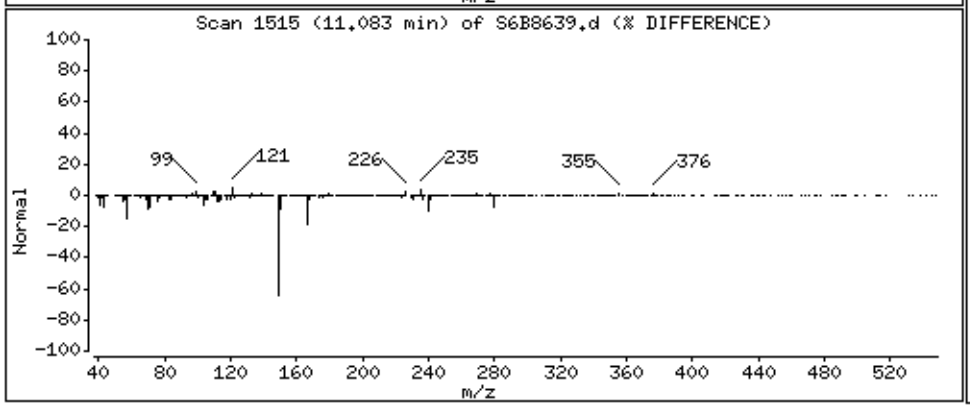
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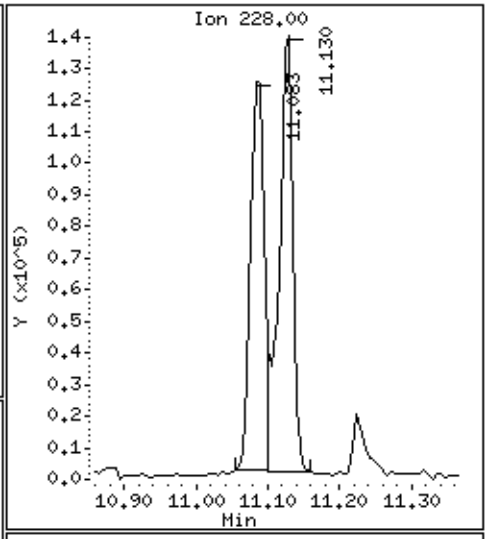
75 Benzo(a)anthracene Concentration: 310 ug/Kg

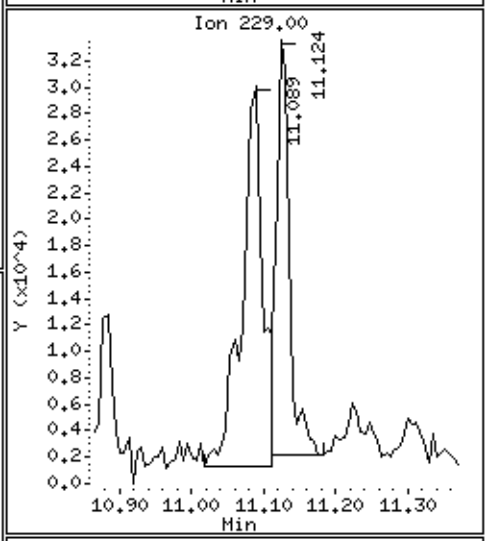


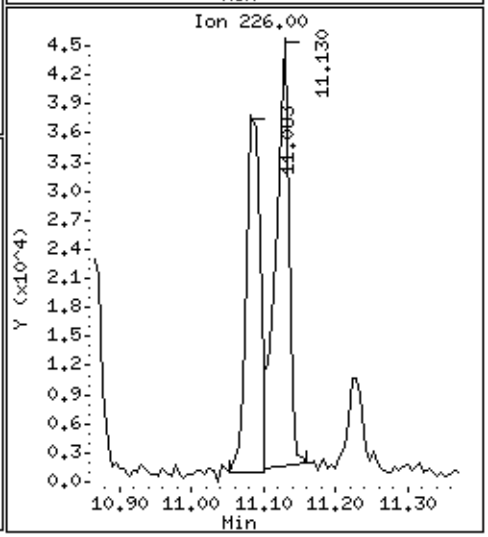












Data File: \\avogadro\organics\S6.I\140717.B\S6B8639.d

Date : 17-JUL-2014 19:42

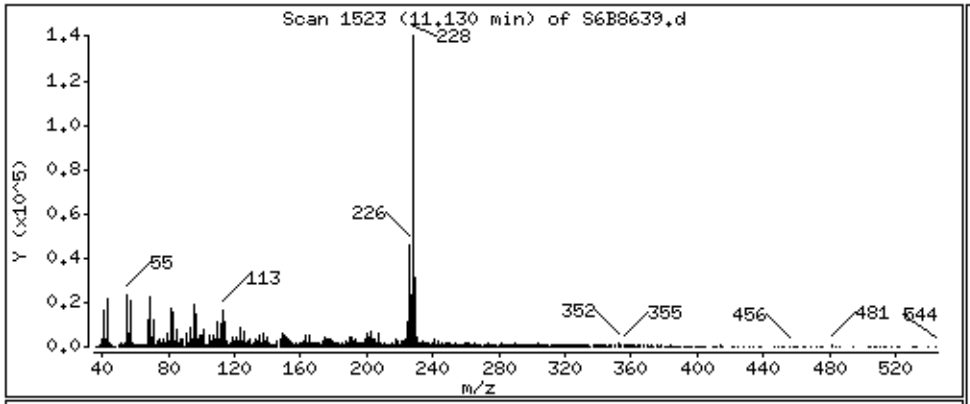
Client ID: SS-20-071014 Instrument: S6.i

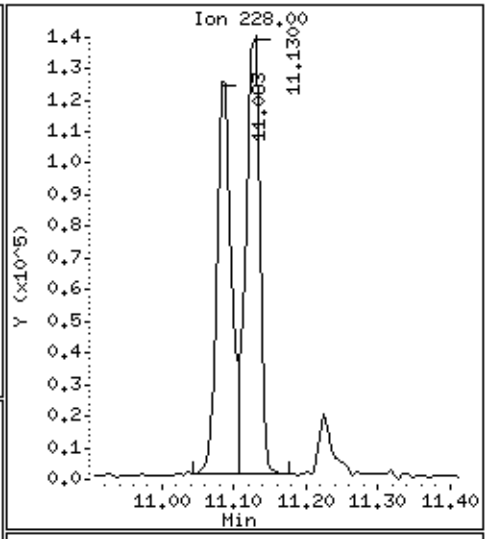
Sample Info: N1194-10A,,78076

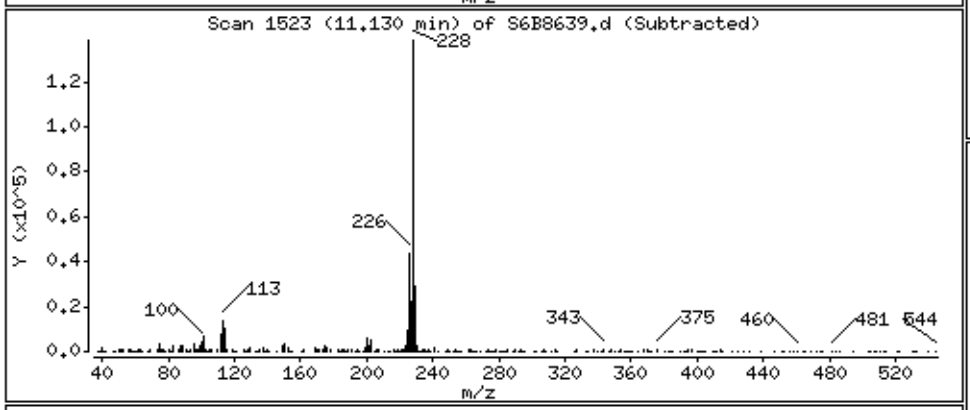
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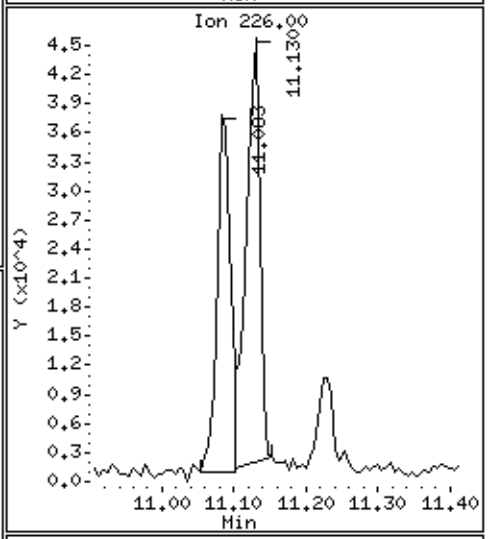
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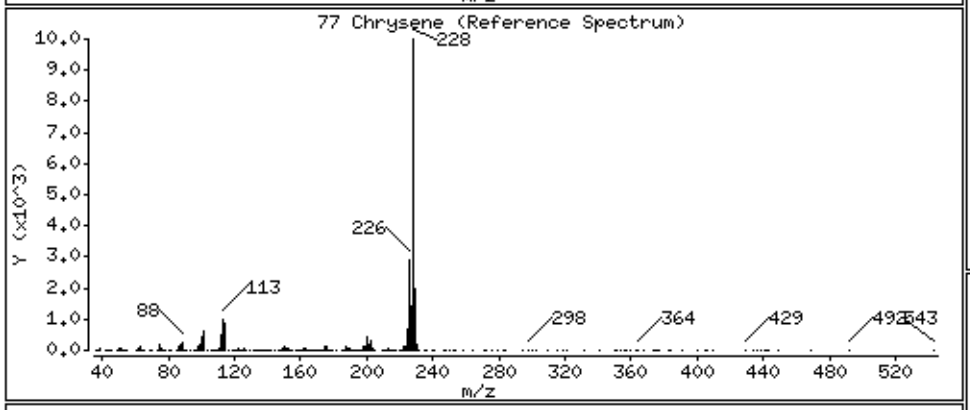
77 Chrysene Concentration: 380 ug/Kg

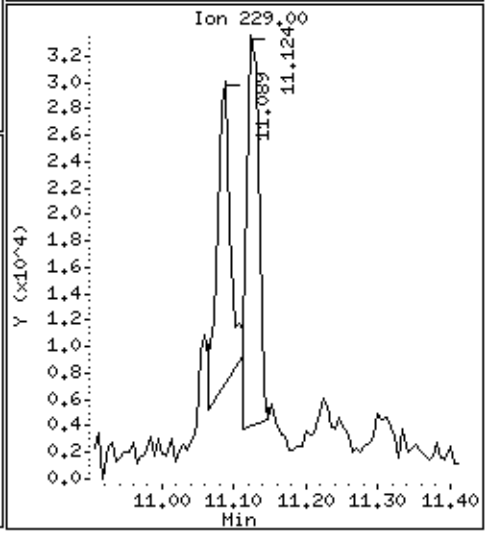


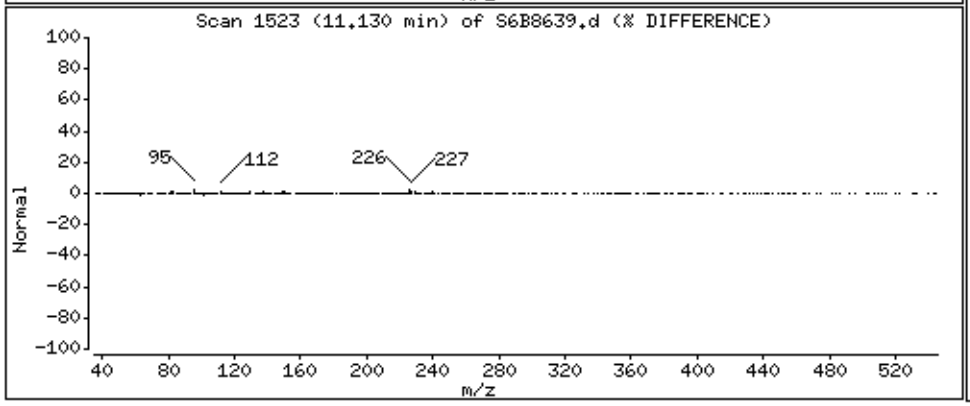












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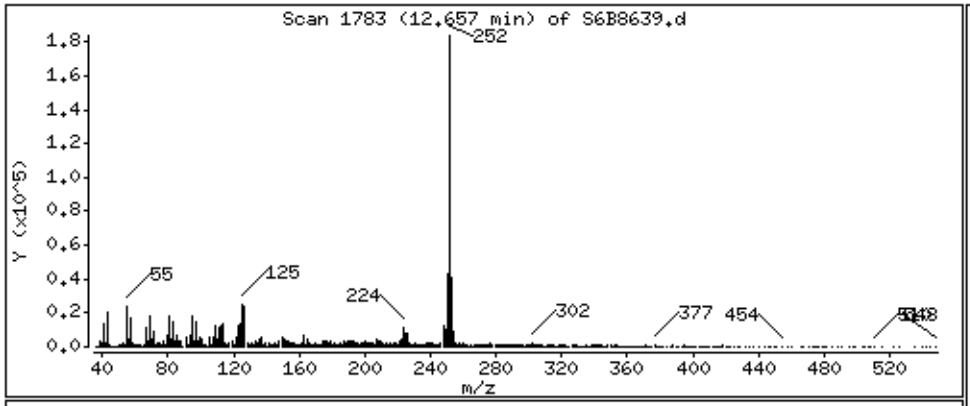
Client ID: SS-20-071014 Instrument: S6.i

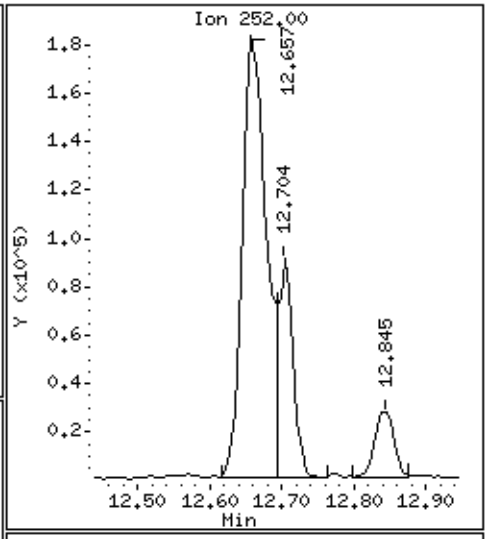
Sample Info: N1194-10A,,78076

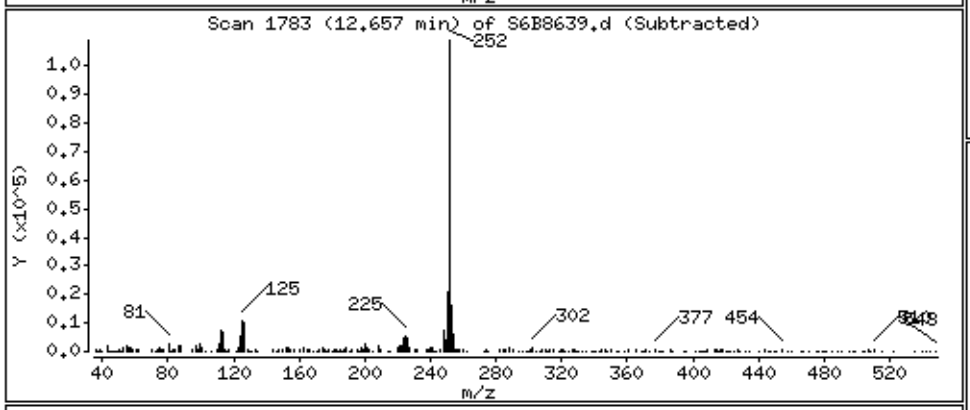
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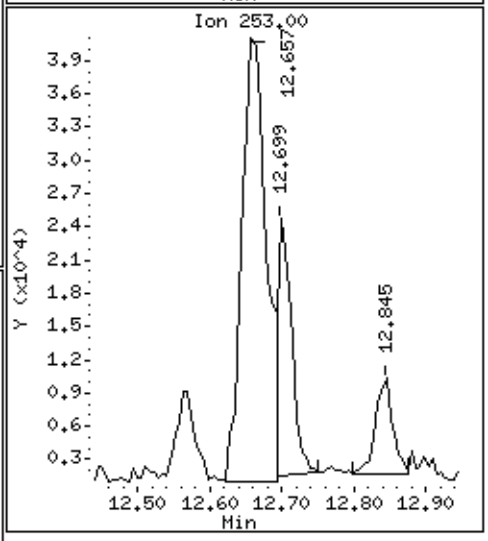
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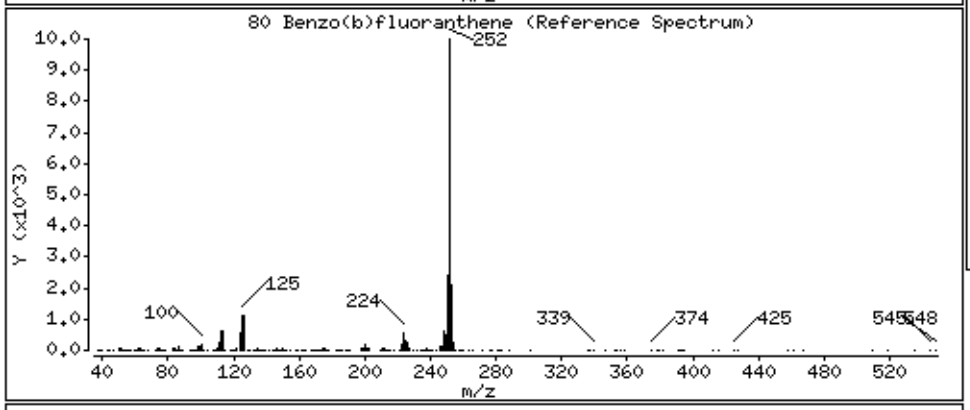
80 Benzo(b)fluoranthene Concentration: 740 ug/Kg

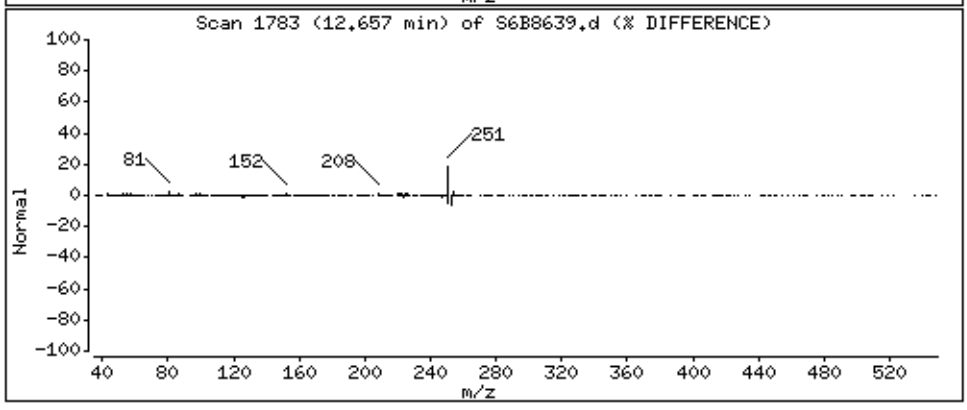












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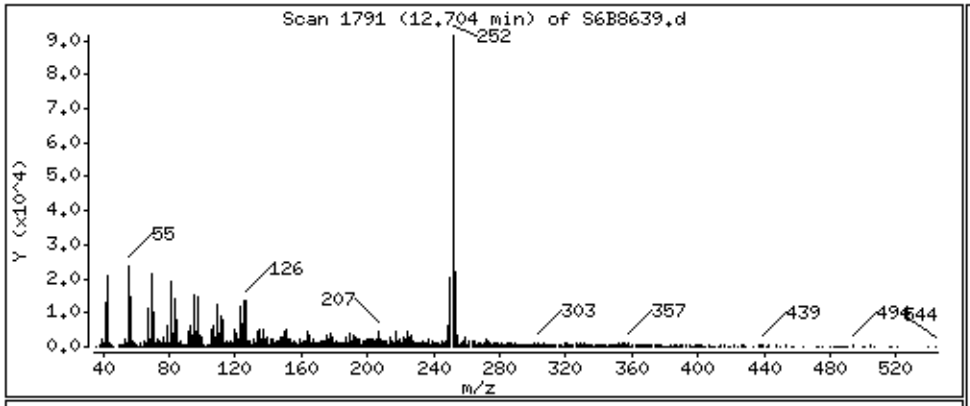
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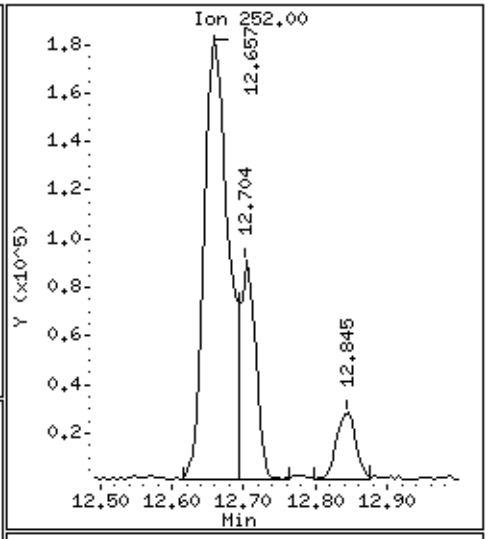
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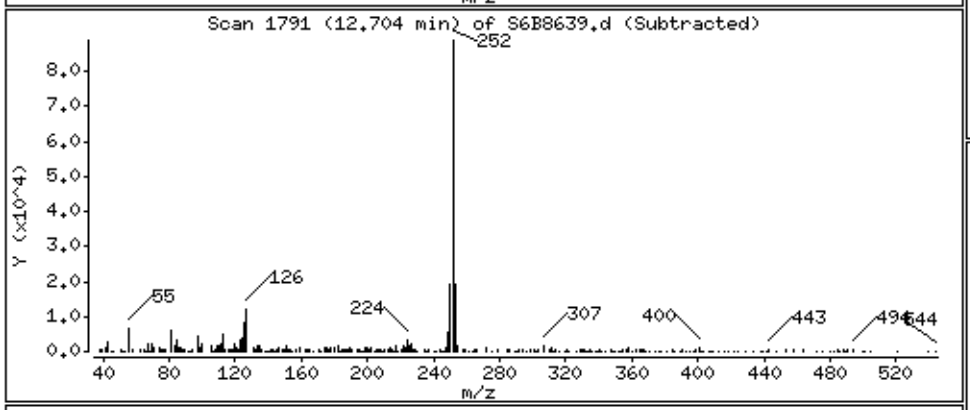
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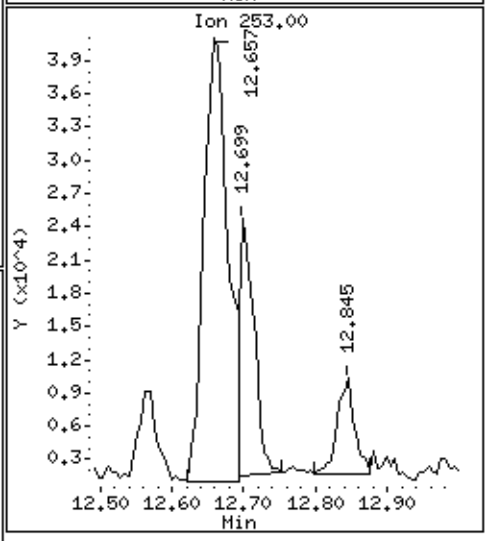
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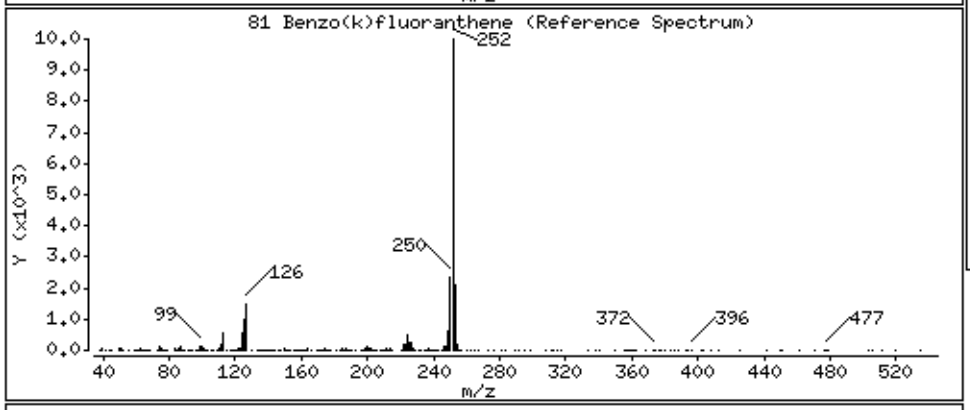
81 Benzo(k)fluoranthene Concentration: 240 ug/Kg

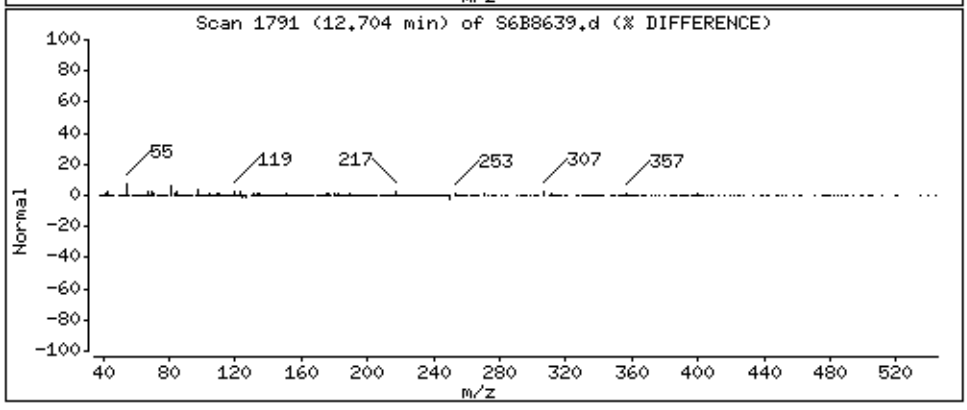












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Date : 17-JUL-2014 19:42

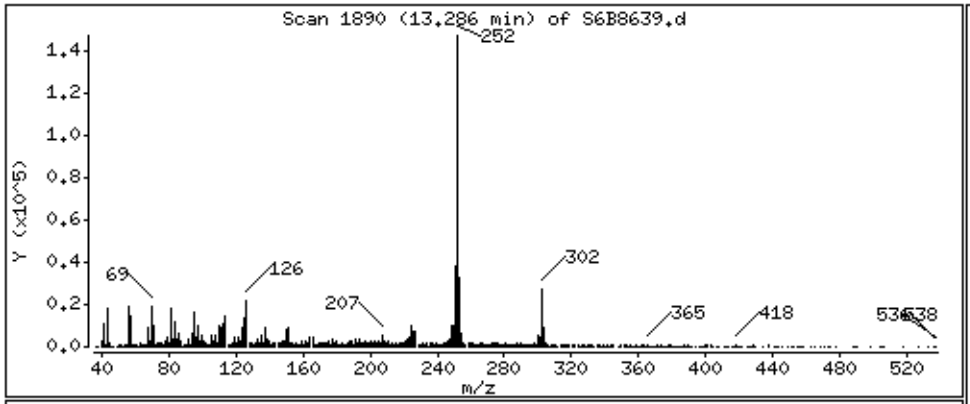
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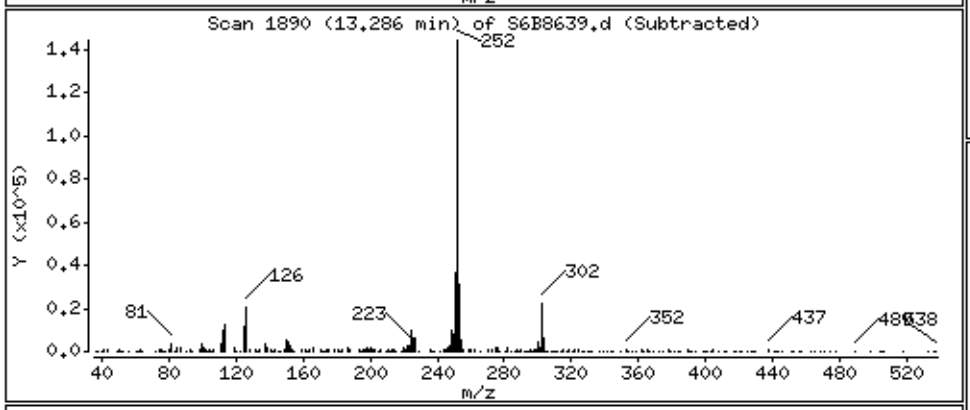
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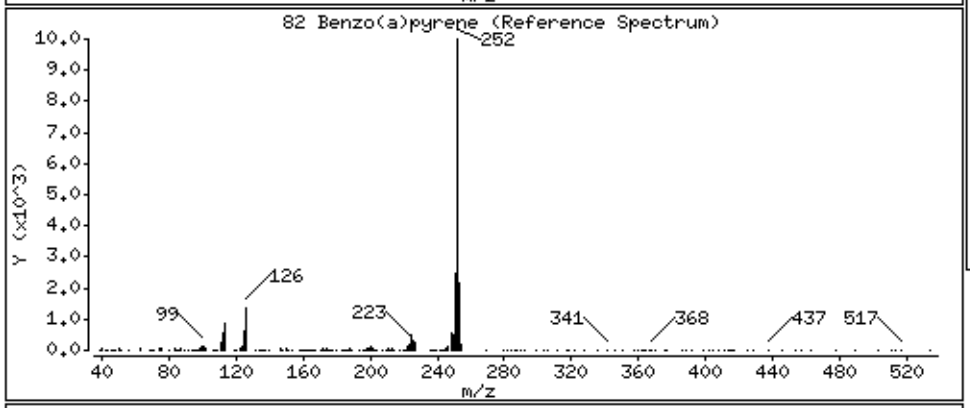
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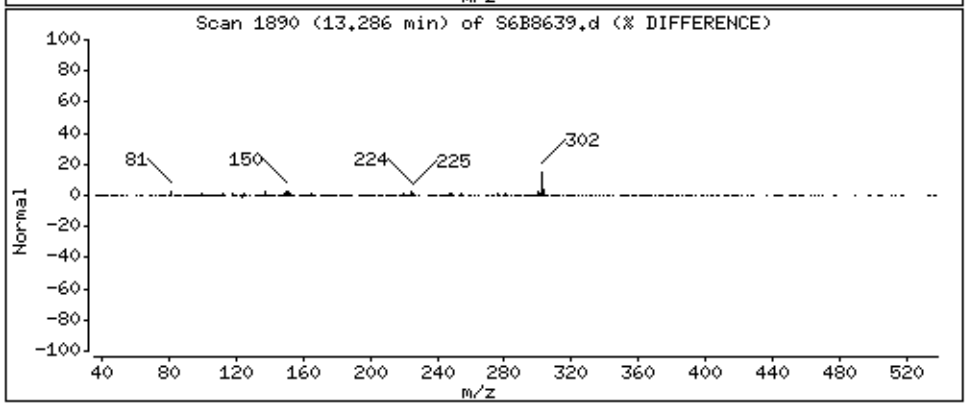
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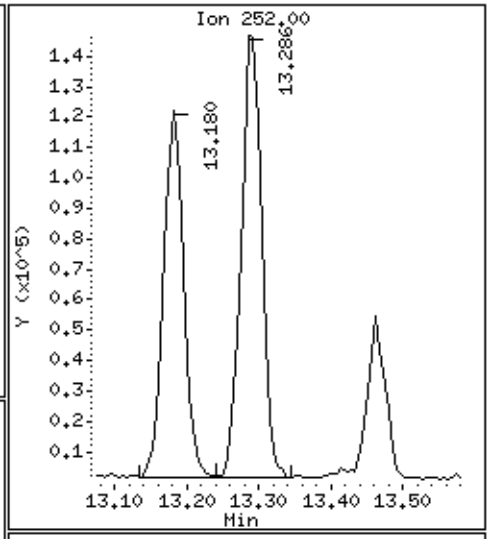
82 Benzo(a)pyrene Concentration: 520 ug/Kg

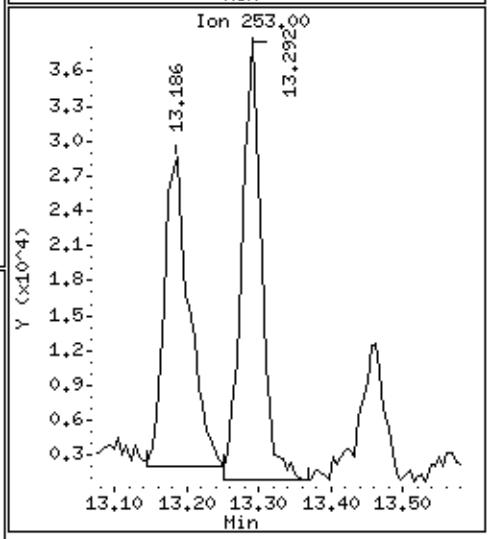












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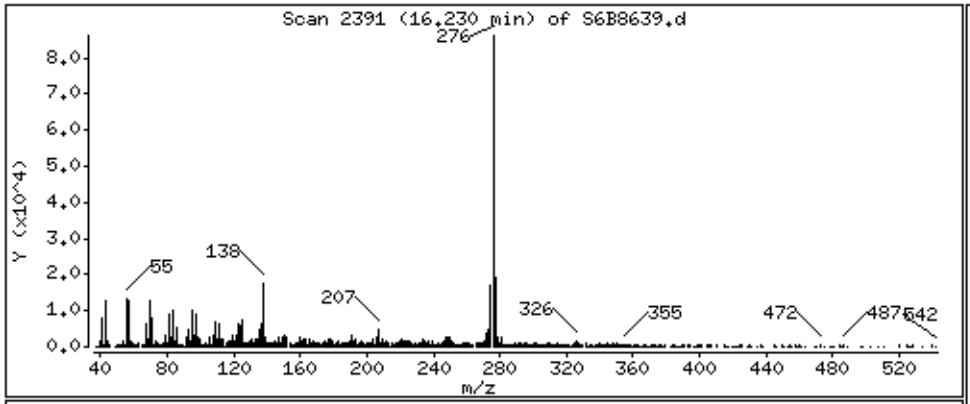
Client ID: SS-20-071014 Instrument: S6.i

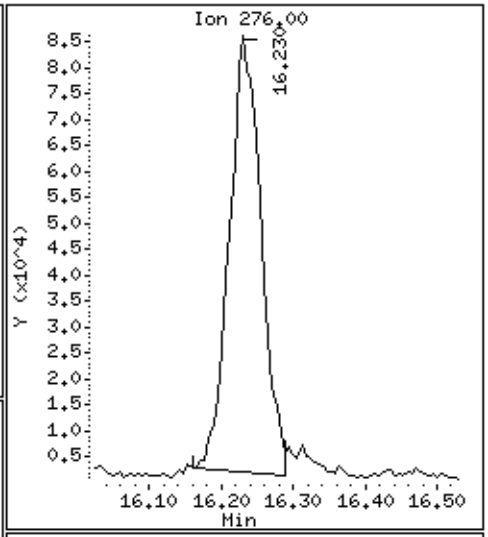
Sample Info: N1194-10A,,78076

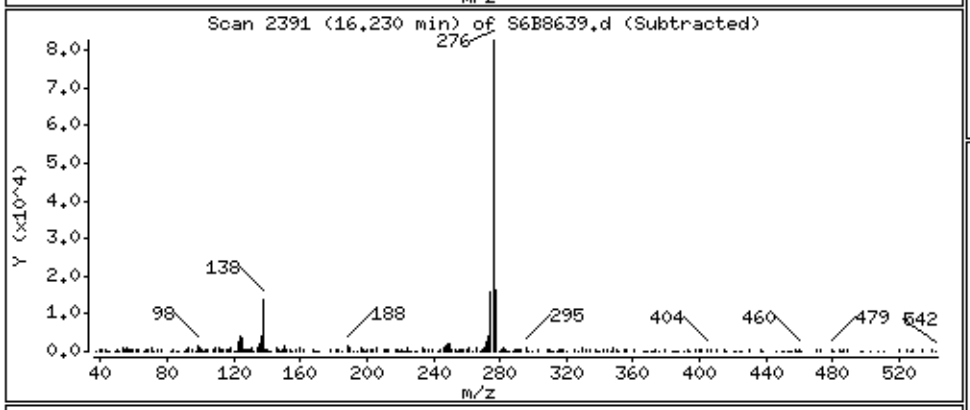
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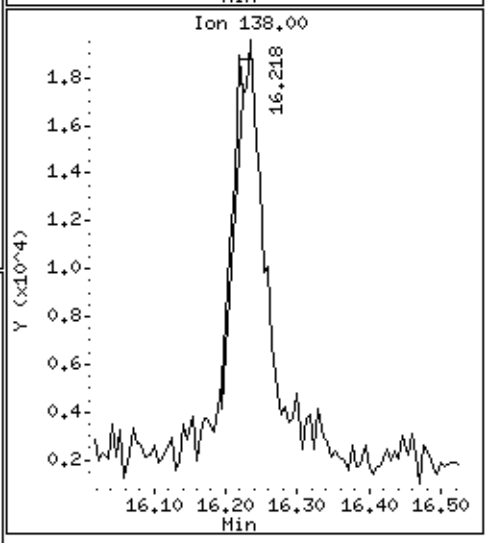
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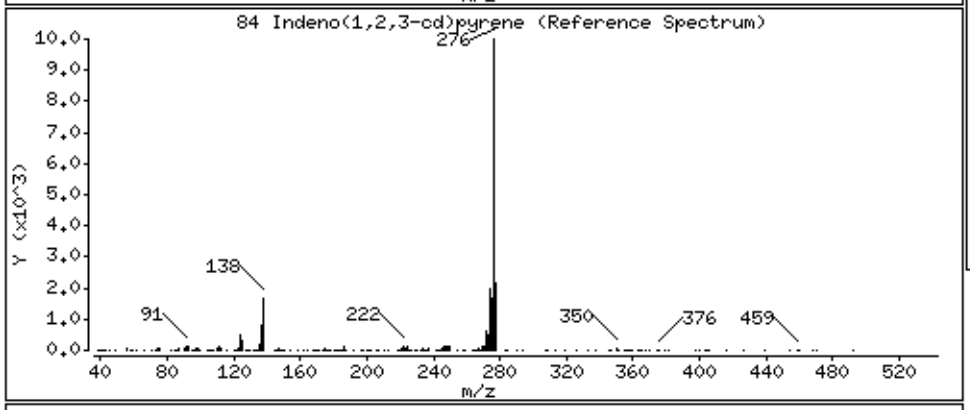
84 Indeno(1,2,3-cd)pyrene Concentration: 540 ug/Kg

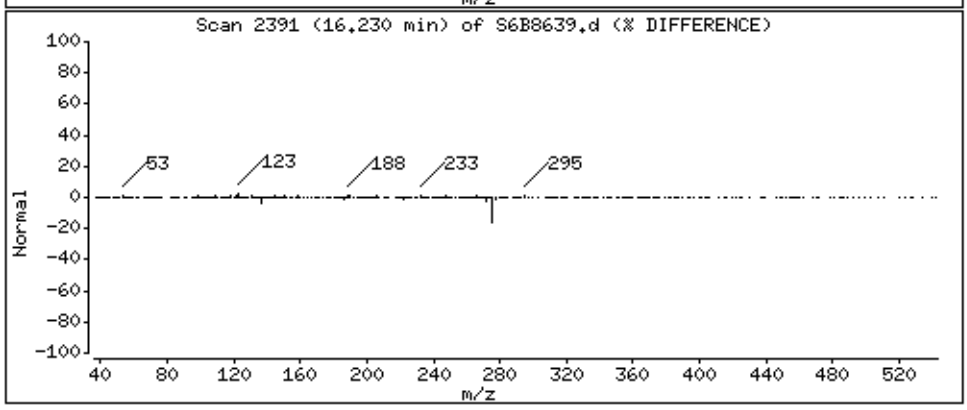












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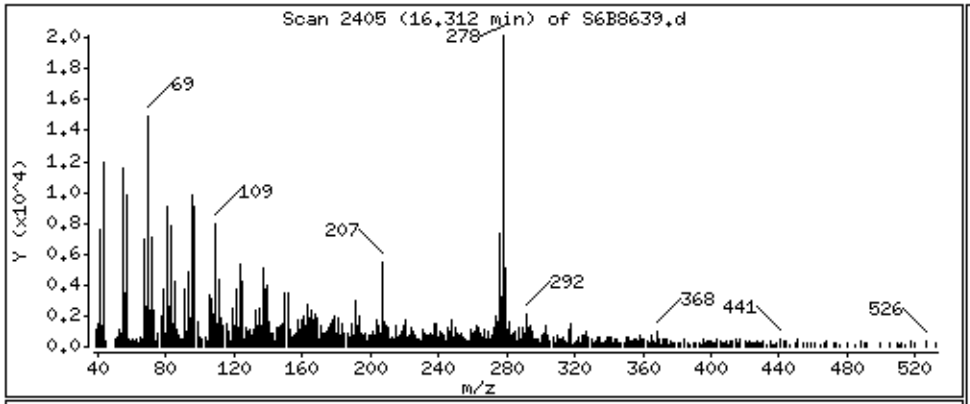
Client ID: SS-20-071014 Instrument: S6.i

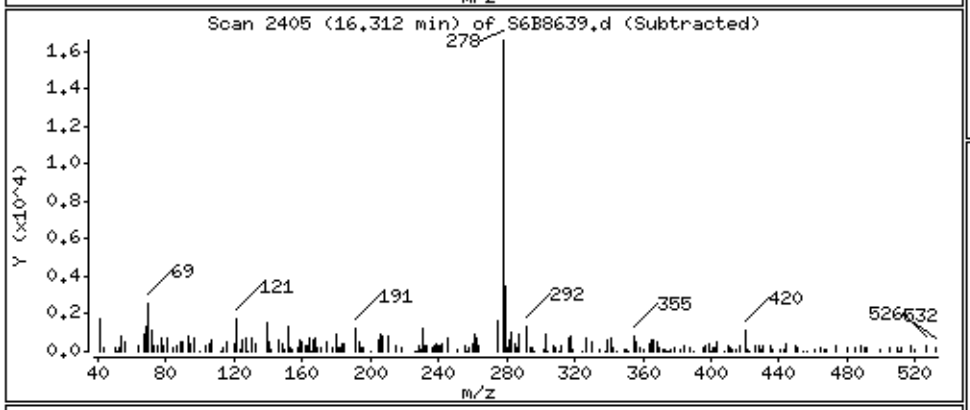
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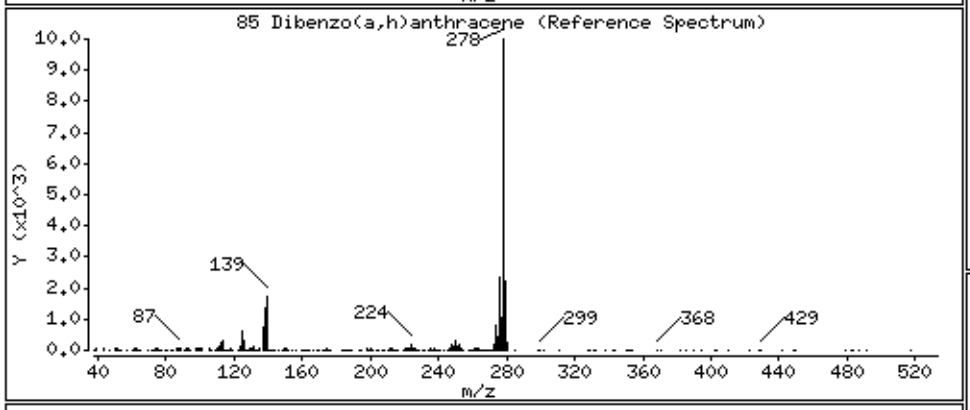
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

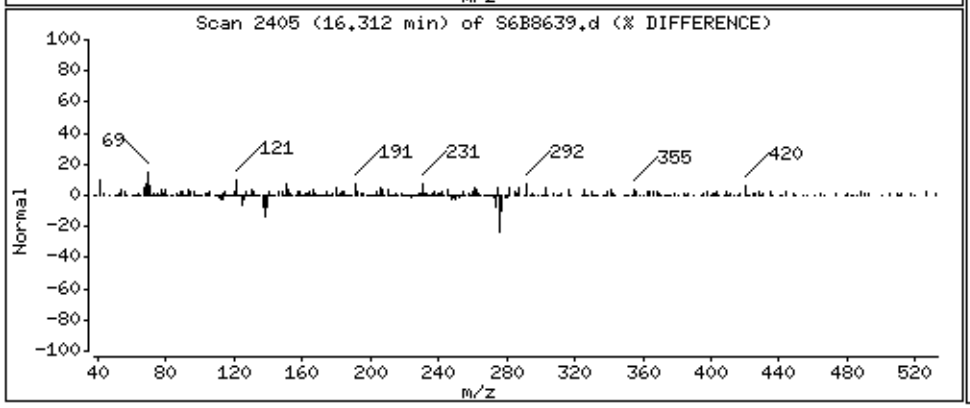
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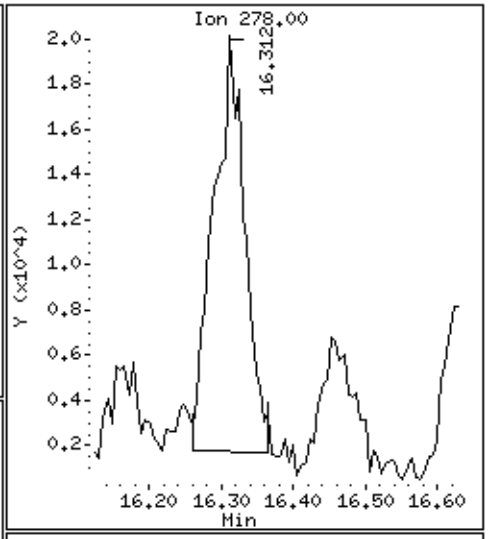
85 Dibenzo(a,h)anthracene Concentration: 120 ug/Kg

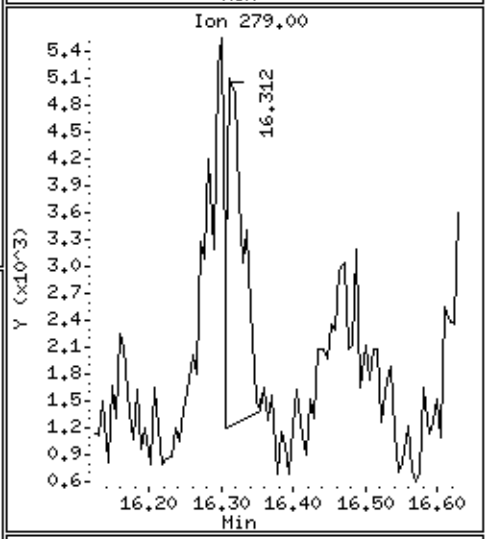


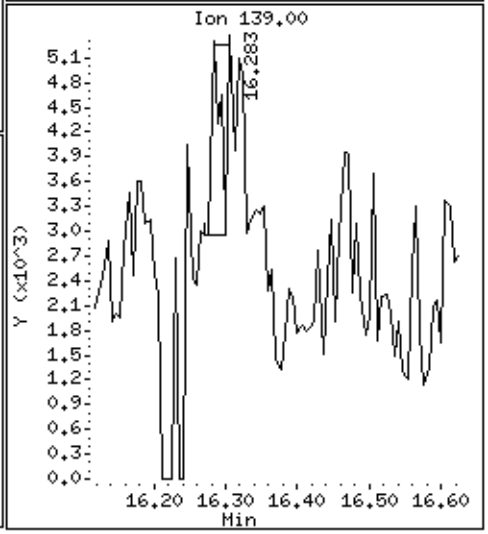












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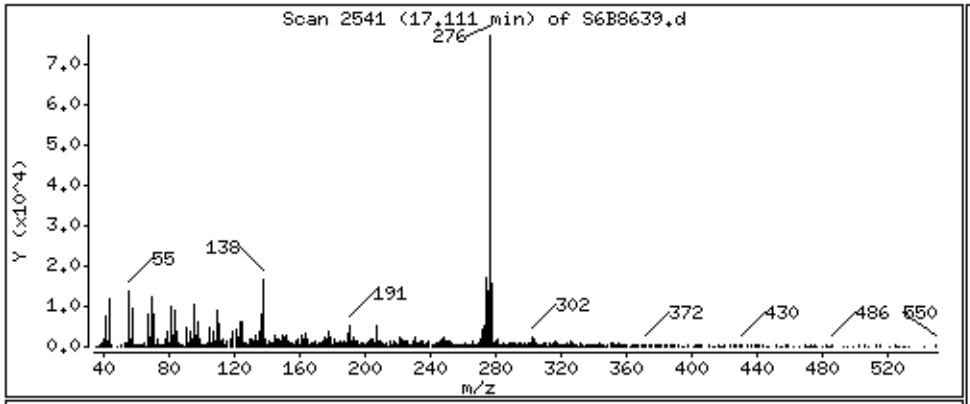
Client ID: SS-20-071014 Instrument: S6.i

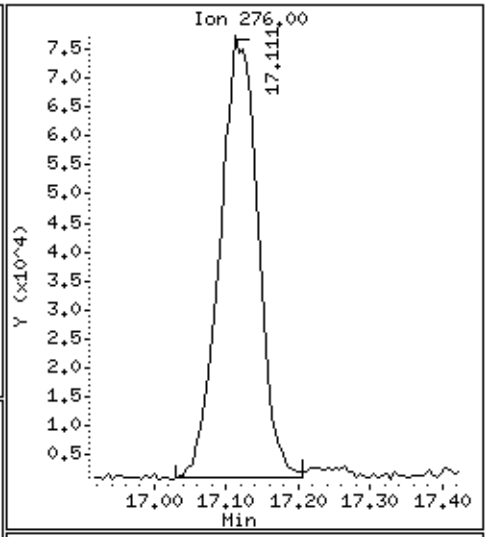
Sample Info: N1194-10A,,78076

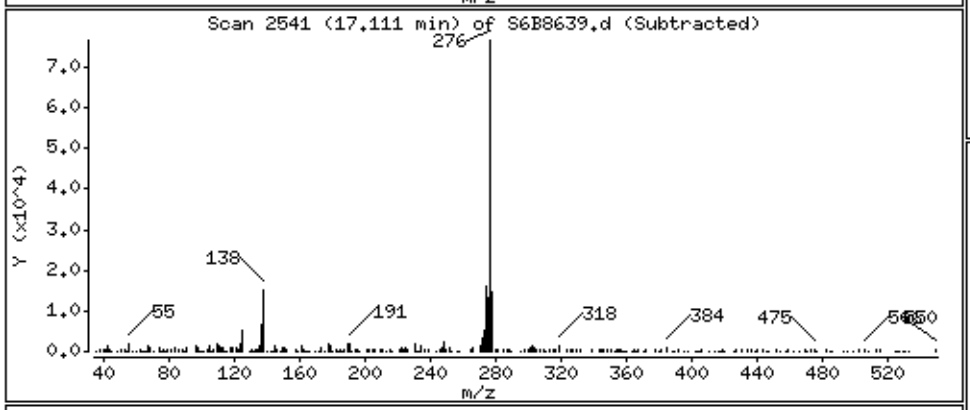
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

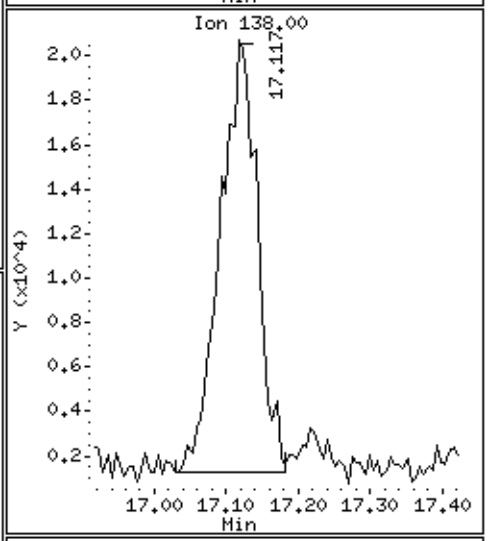
Column phase: Rxi-5Sil MS Column diameter: 0.25

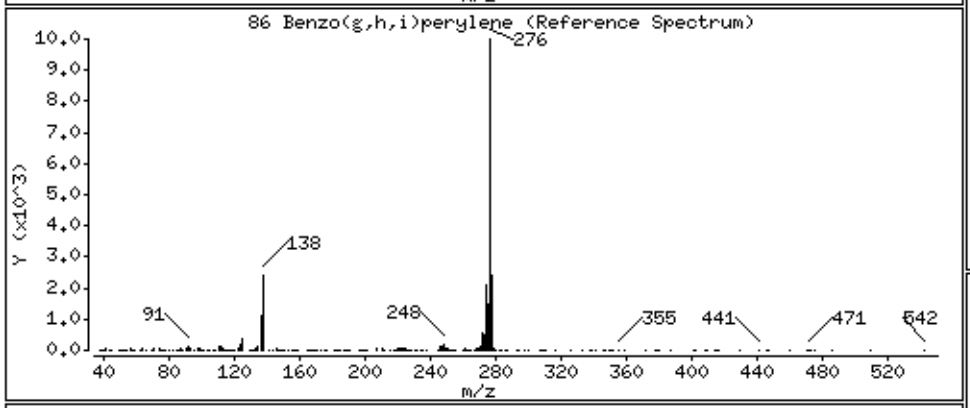
86 Benzo(g,h,i)perylene Concentration: 560 ug/Kg

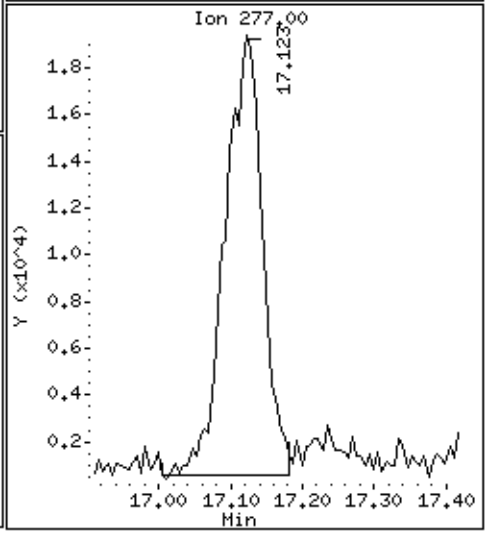


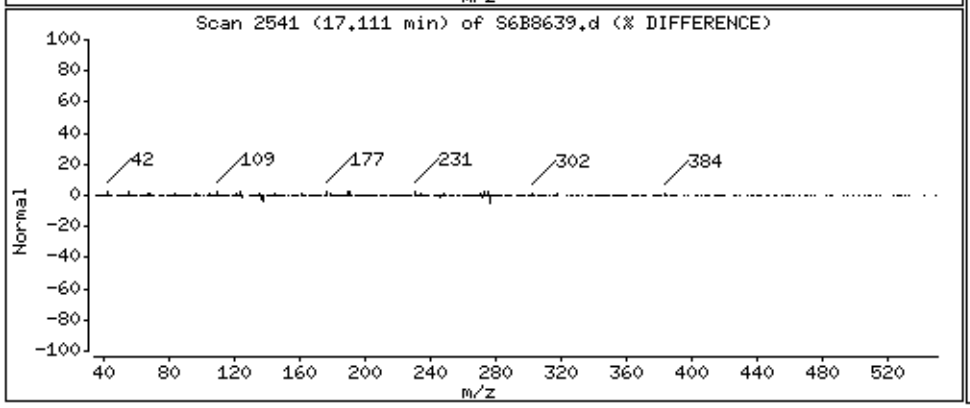








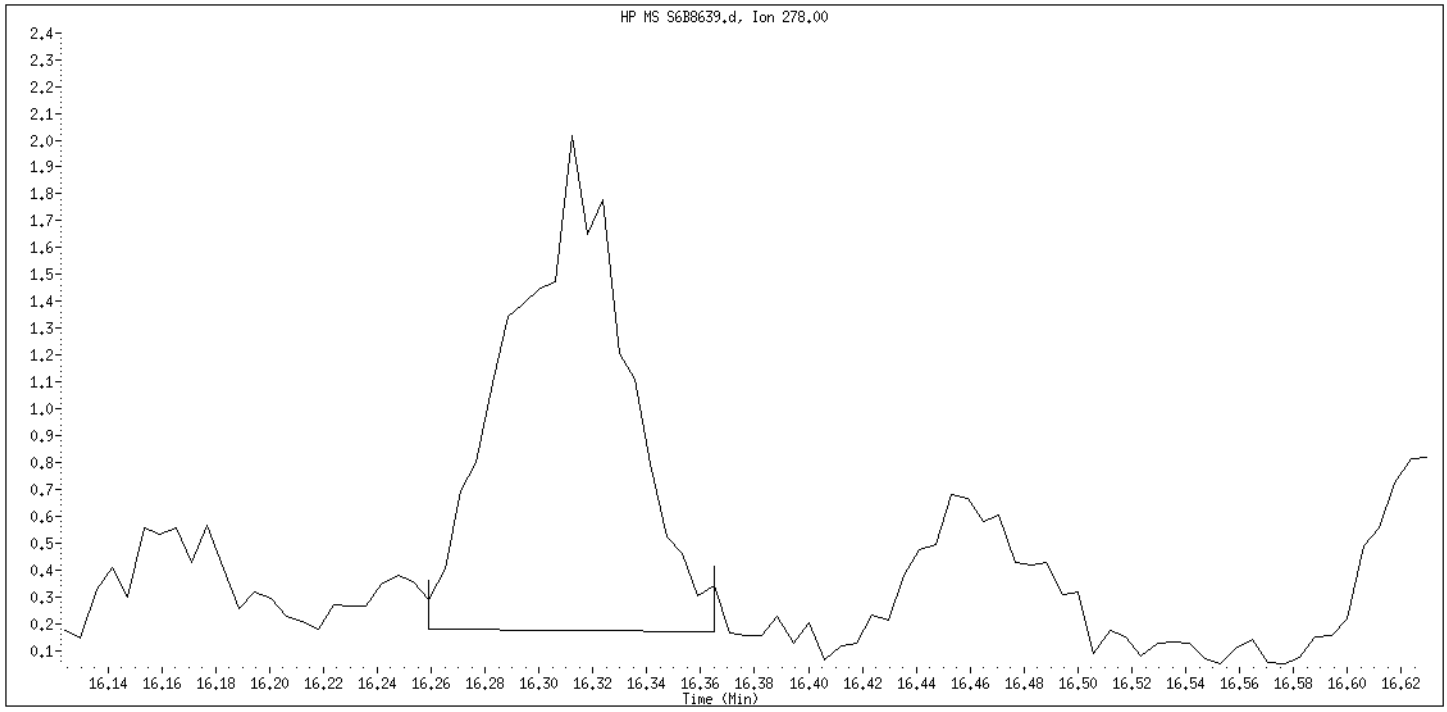




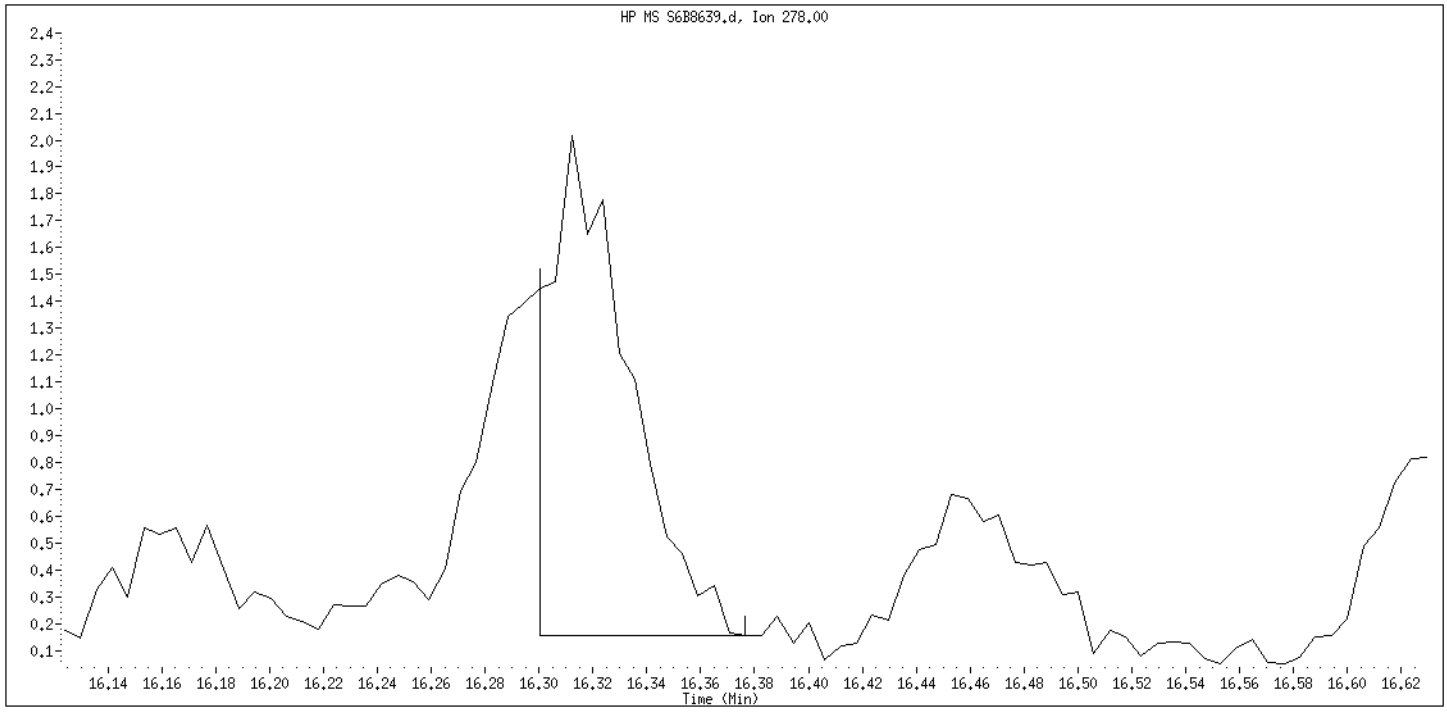
Manual Integration Report Data File: \\avogadro\organics\S6.I\140717.B\S6B8639.d

Lab ID: N1194-10A Client ID: SS-20-071014 Inj Vol: 1 uL
Inj Date: 17-JUL-2014 19:42 Operator: TM SRC: LIMS

Manual Integration Dibenzo(a,h)anthracene Ret Time: 16.312 min, Range: 16.259 to 16.365 min Response: 55707



Original Integration Dibenzo(a,h)anthracene Ret Time: 16.312 min, Range: 16.300 to 16.377 min Response: 39654



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-01-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1194-11A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8624.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/14/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	2.3	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	9.1	J
86-73-7	Fluorene	7.2	J
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	3.6	J
120-12-7	Anthracene	1.8	J
206-44-0	Fluoranthene	2.4	J
129-00-0	Pyrene	1.3	J
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Data File: \\avogadro\organics\S6.I\140717.B\S6B8624.d
Report Date: 18-Jul-2014 15:41

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8624.d
Lab Smp Id: N1194-11A Client Smp ID: GW-TP-01-071014
Inj Date : 17-JUL-2014 13:52
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-11A,,78060
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

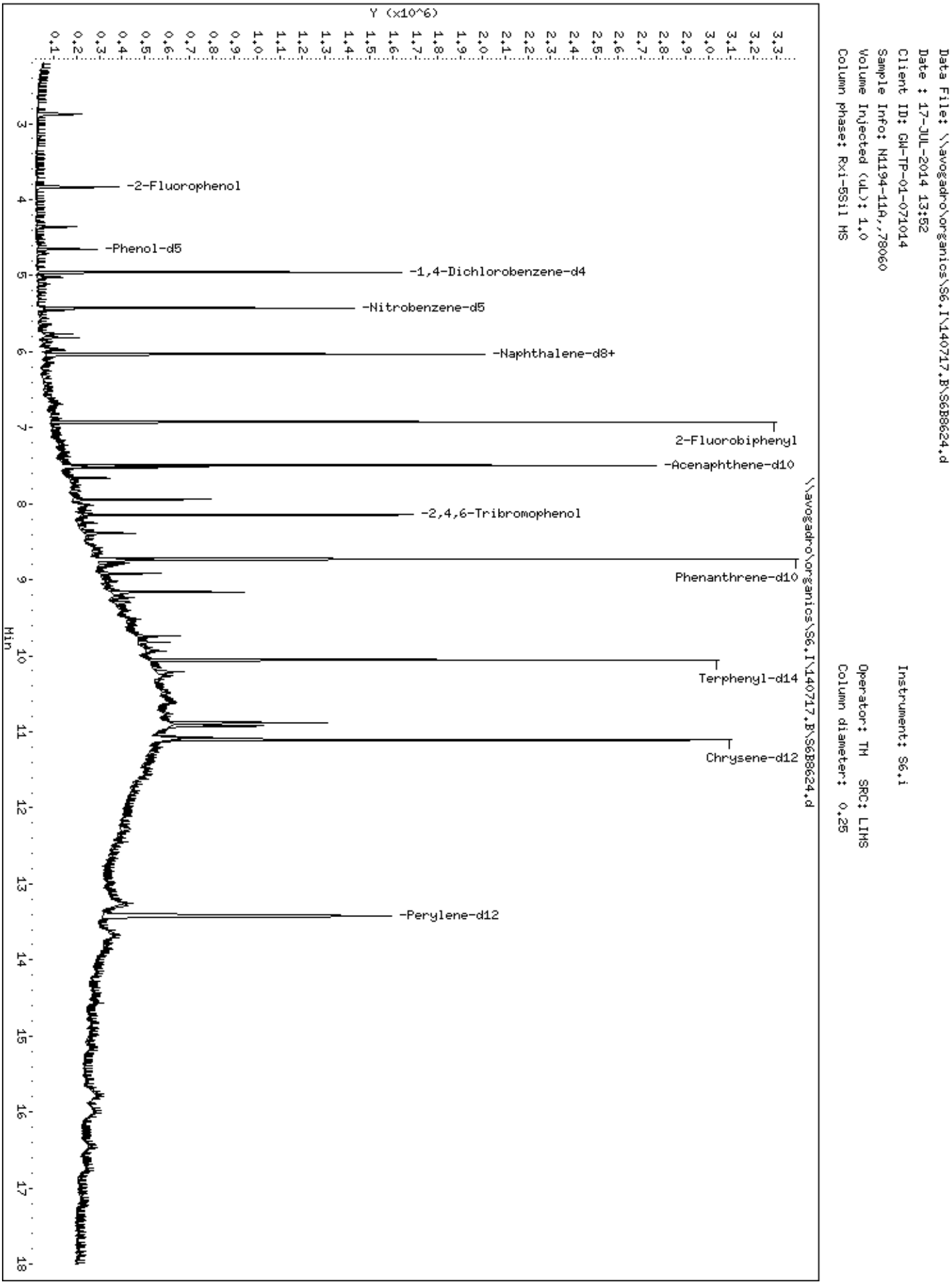
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	3 2-Fluorophenol	112	3.832	3.832	(0.773)	107378	14.2837	14
$	5 Phenol-d5	99	4.649	4.655	(0.938)	81026	8.44279	8(a)
*	12 1,4-Dichlorobenzene-d4	152	4.954	4.960	(1.000)	226955	40.0000	
$	22 Nitrobenzene-d5	82	5.424	5.430	(0.899)	417414	51.4021	51
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	787864	40.0000	
	32 Naphthalene	128	6.047	6.053	(1.002)	46268	2.33056	2(a)
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.925)	886370	49.0634	49
*	48 Acenaphthene-d10	164	7.492	7.498	(1.000)	516236	40.0000	
	49 Acenaphthene	153	7.522	7.528	(1.004)	142988	9.10840	9(a)
	52 Dibenzofuran	168	7.663	7.669	(1.023)	50776	2.36423	2(a)
	55 Fluorene	166	7.945	7.951	(1.060)	133383	7.20942	7(a)
$	60 2,4,6-Tribromophenol	330	8.150	8.156	(0.934)	118943	49.7371	50
*	64 Phenanthrene-d10	188	8.726	8.732	(1.000)	1038766	40.0000	
	65 Phenanthrene	178	8.744	8.756	(1.002)	101275	3.61057	4(a)
	66 Anthracene	178	8.785	8.797	(1.007)	50068	1.75191	2(a)
	67 Carbazole	167	8.920	8.926	(1.022)	104612	4.07314	4(a)
	69 Fluoranthene	202	9.737	9.749	(1.116)	77007	2.39883	2(a)
	71 Pyrene	202	9.937	9.949	(0.895)	43380	1.27182	1(a)
$	72 Terphenyl-d14	244	10.054	10.060	(0.905)	699038	31.5541	32
*	76 Chrysene-d12	240	11.106	11.130	(1.000)	1107449	40.0000	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8624.d
Report Date: 18-Jul-2014 15:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 83 Perylene-d12	264	13.421	13.450	(1.000)	1036942	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: \\avogadro\organics\S6.I\140717.B\S6B8624.d
Date : 17-JUL-2014 13:52
Client ID: GW-TP-01-071014
Sample Info: N1194-11A,,78060
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS
Instrument: S6.i
Operator: TM SRC: LIMS
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8+
2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
Phenanthrene-d10
Terphenyl-d14
Chrysene-d12
-Perylene-d12
\\avogadro\organics\S6.I\140717.B\S6B8624.d

Data File: \\avogadro\organics\S6.I\140717.B\S6B8624.d

Date : 17-JUL-2014 13:52

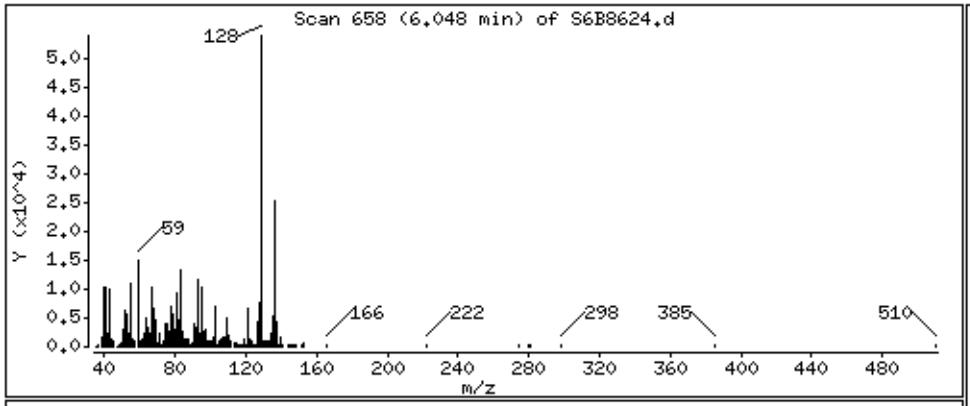
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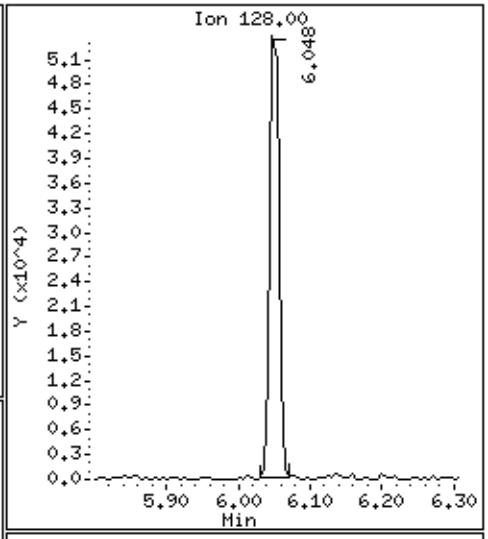
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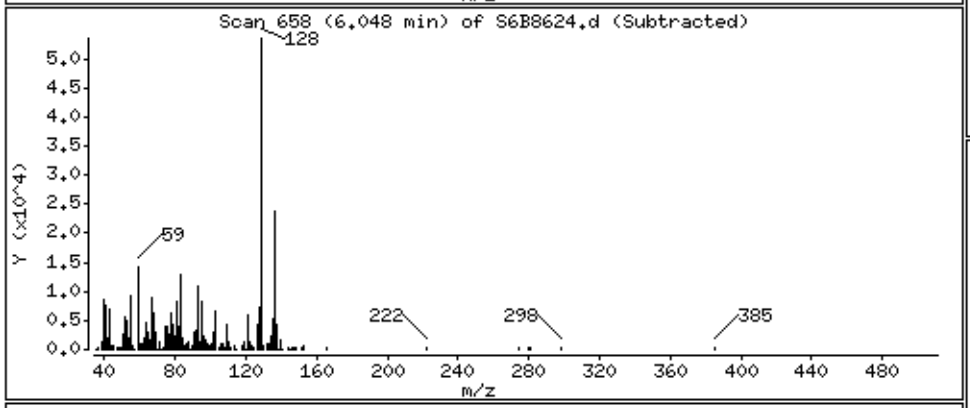
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

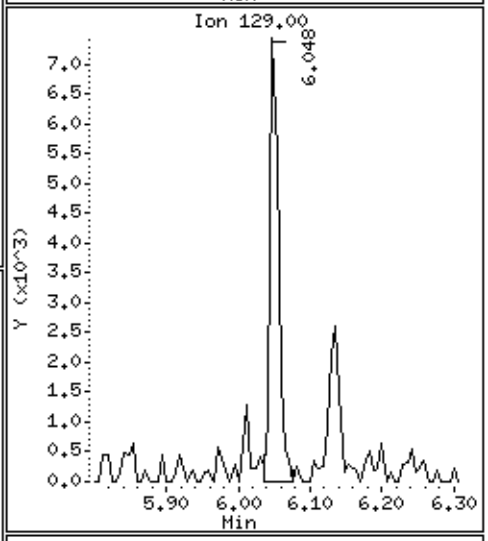
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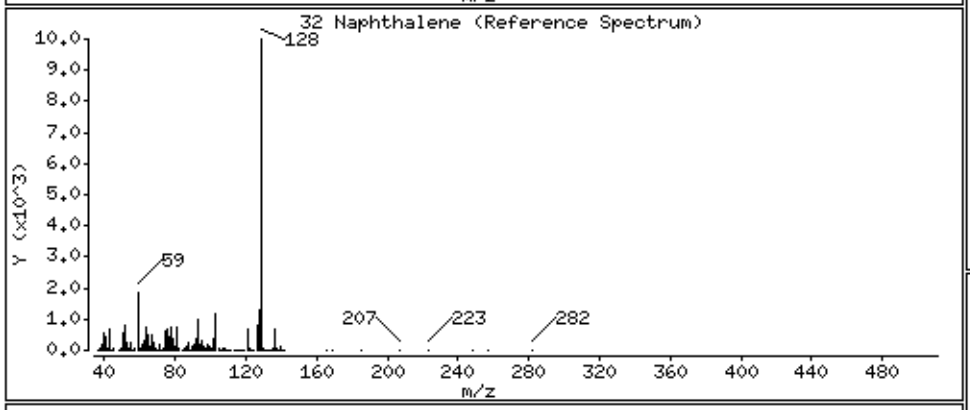
32 Naphthalene Concentration: 2 ug/L

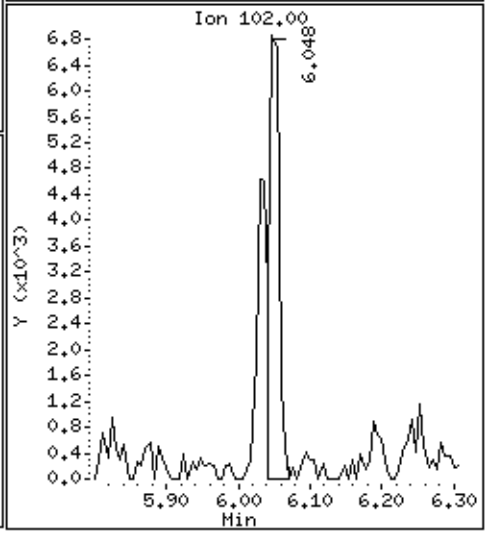


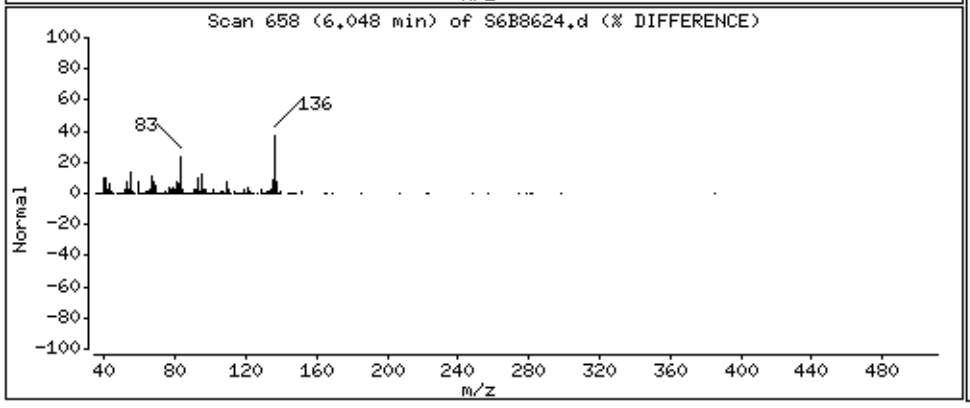












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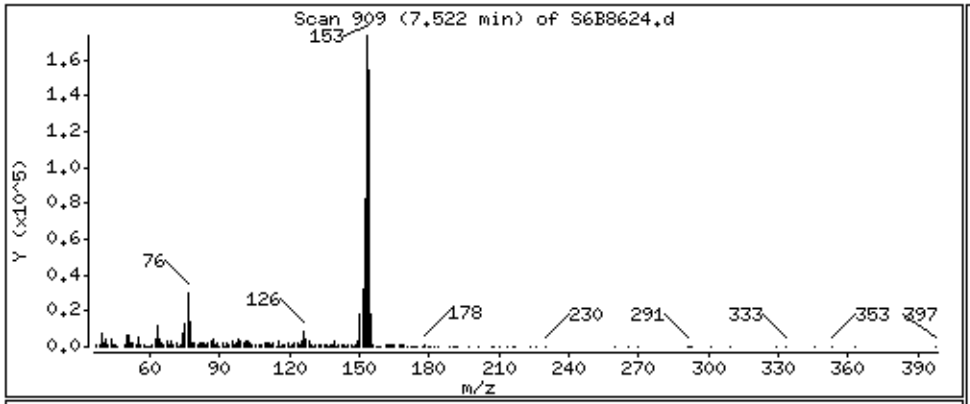
Client ID: GW-TP-01-071014 Instrument: S6.i

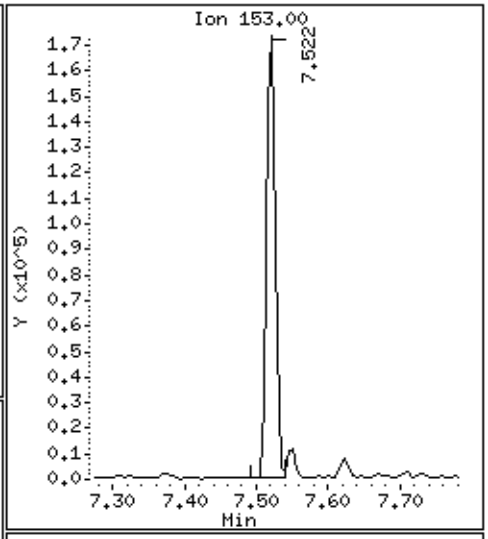
Sample Info: N1194-11A,,78060

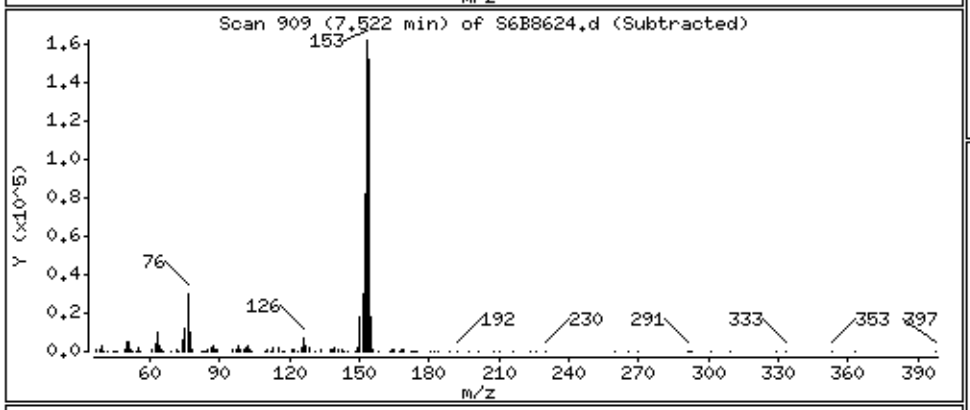
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

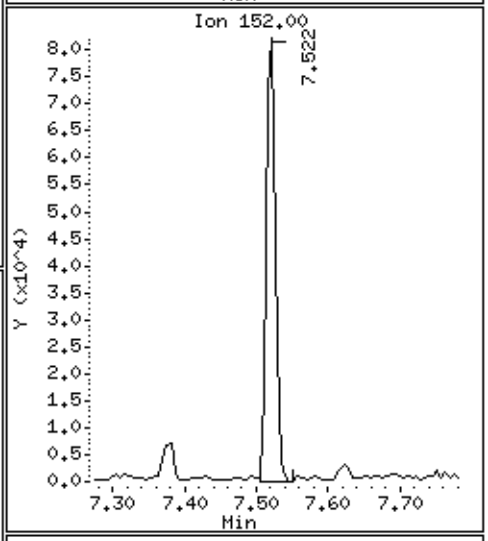
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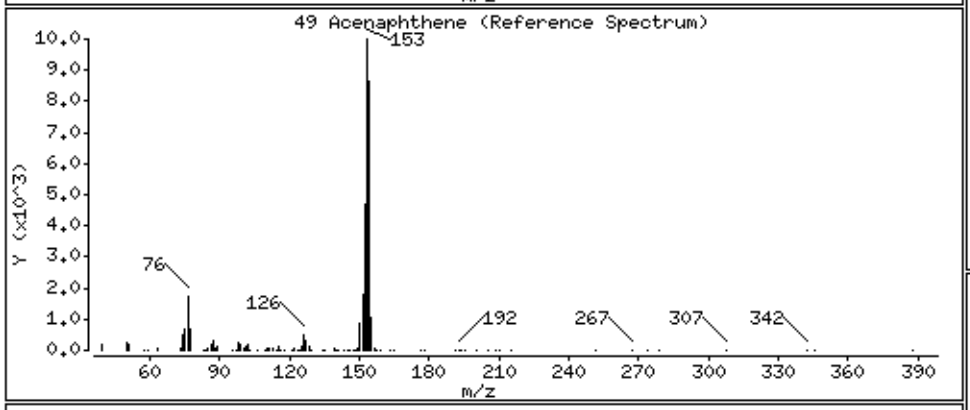
49 Acenaphthene Concentration: 9 ug/L

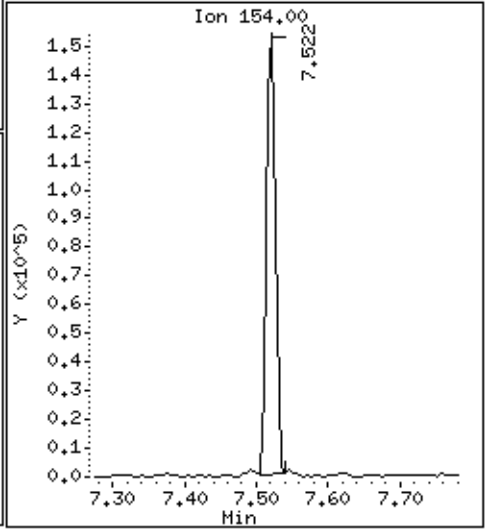


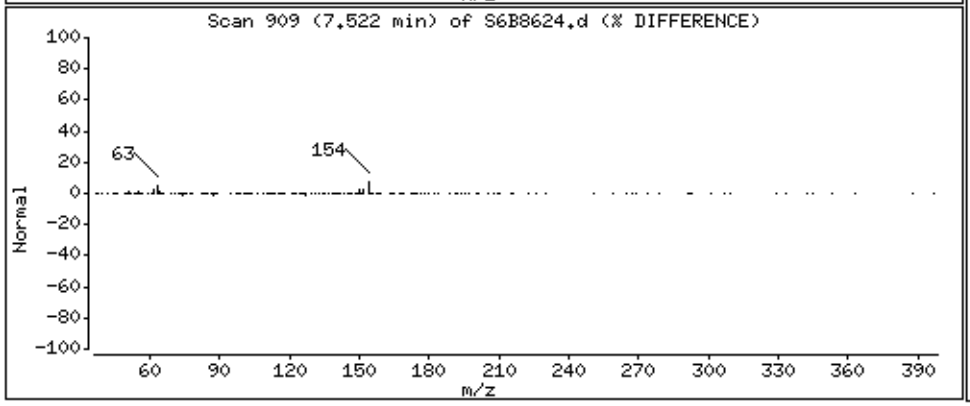












Data File: \\avogadro\organics\S6.I\140717.B\S6B8624.d

Date : 17-JUL-2014 13:52

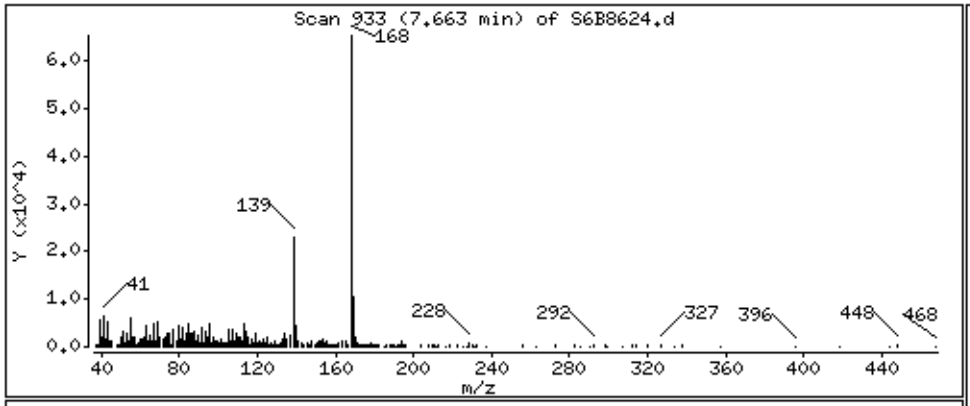
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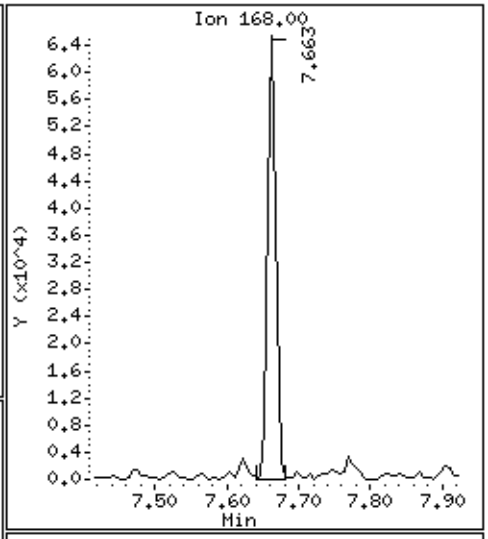
Sample Info: N1194-11A,,78060

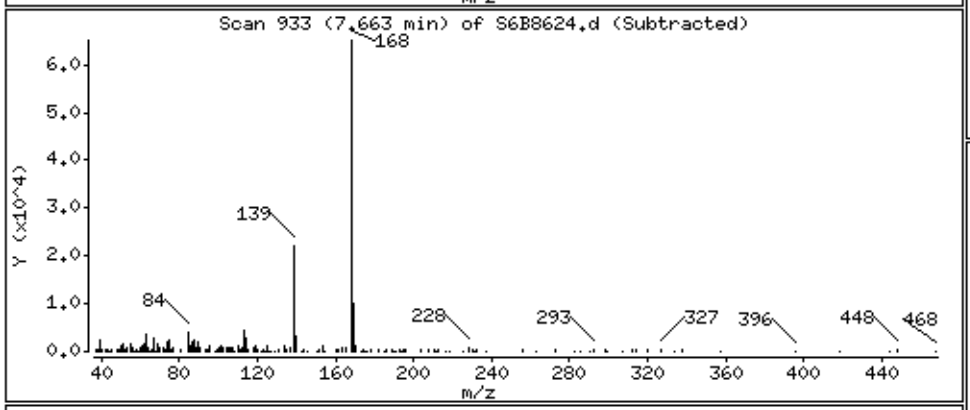
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

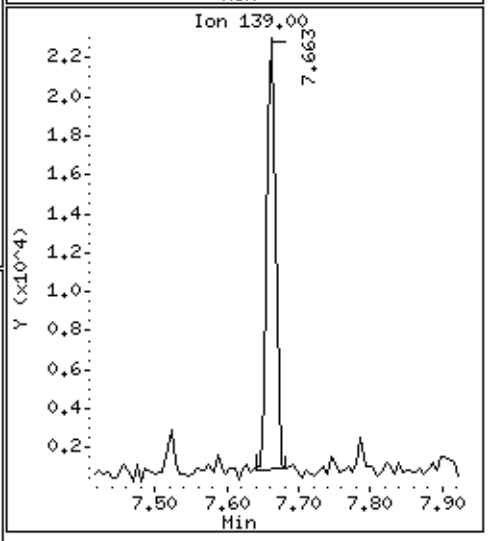
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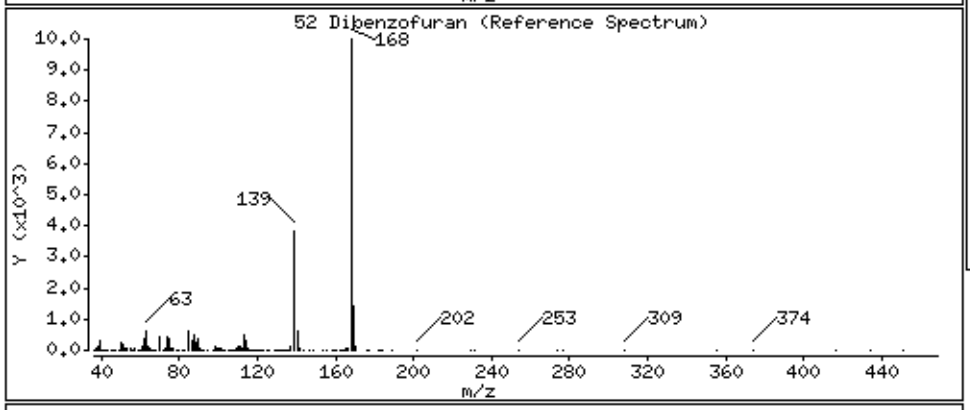
52 Dibenzofuran Concentration: 2 ug/L

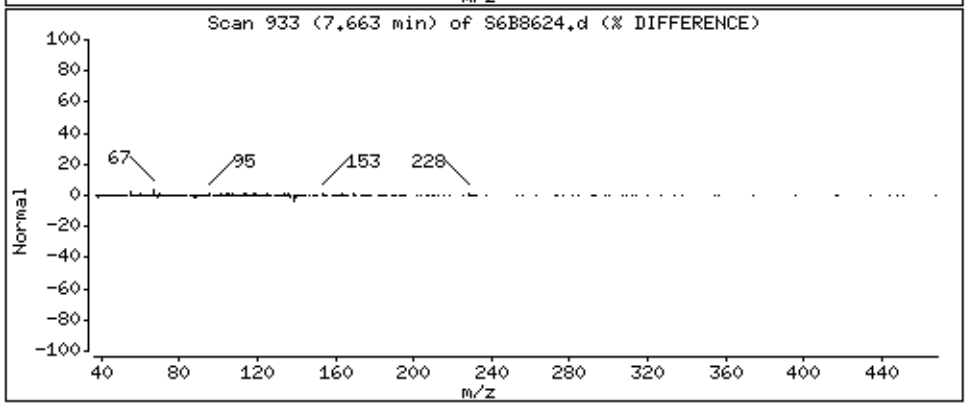












Data File: \\avogadro\organics\S6.I\140717.B\S6B8624.d

Date : 17-JUL-2014 13:52

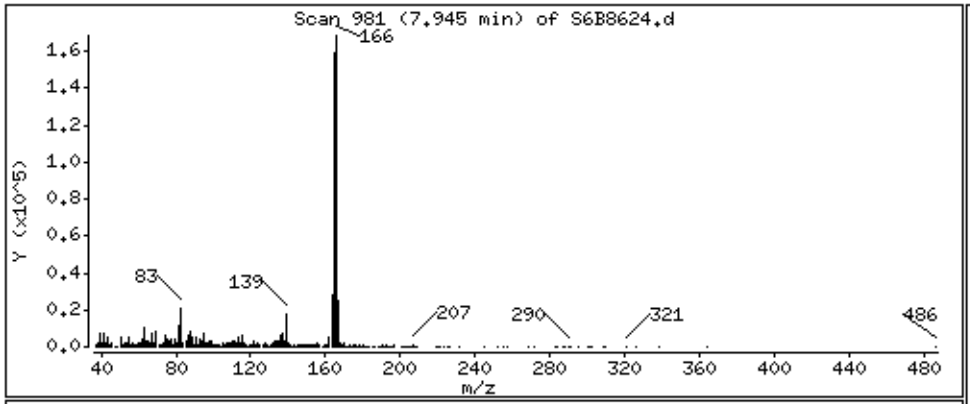
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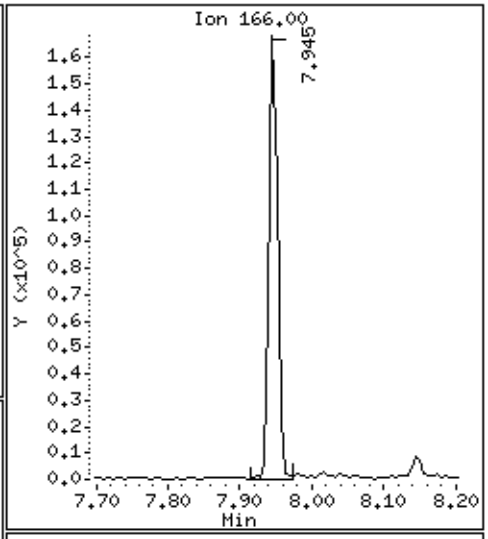
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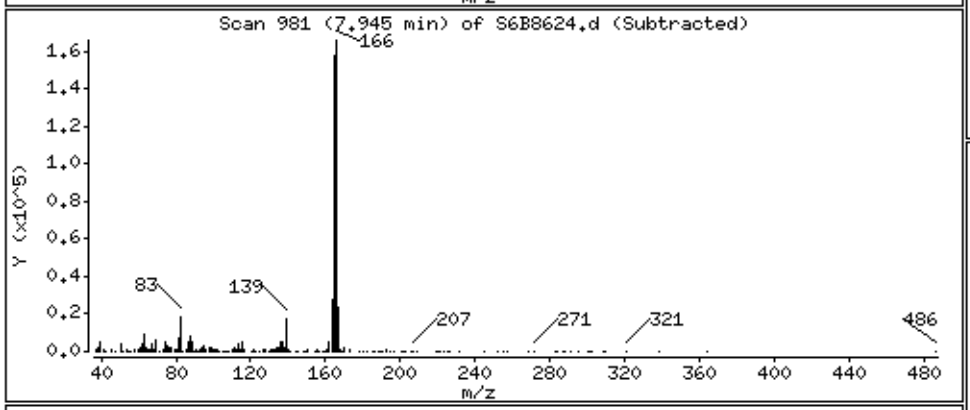
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

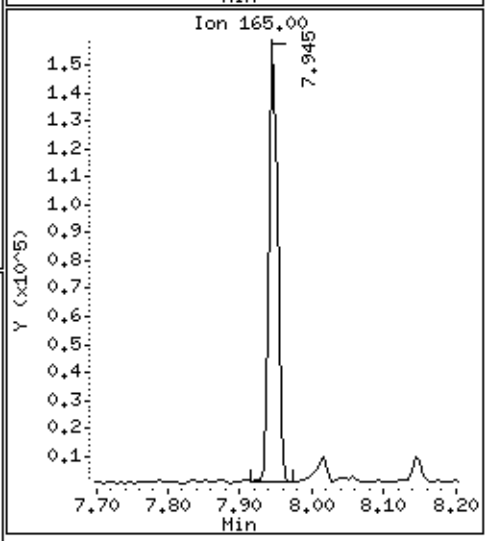
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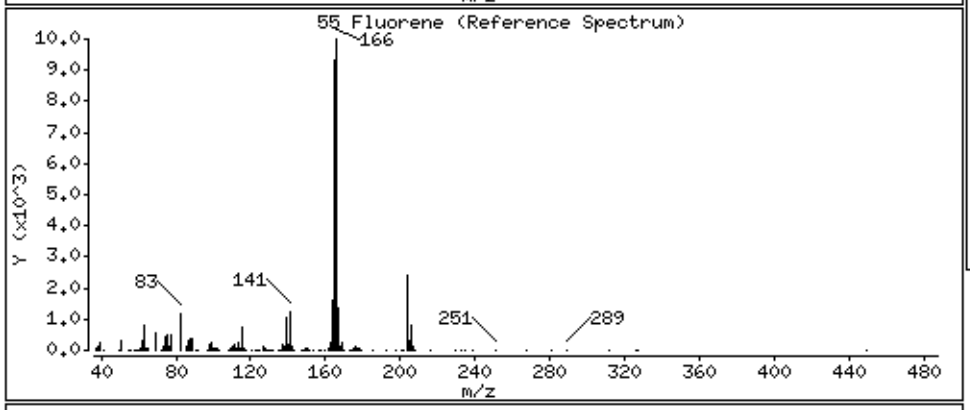
55 Fluorene Concentration: 7 ug/L

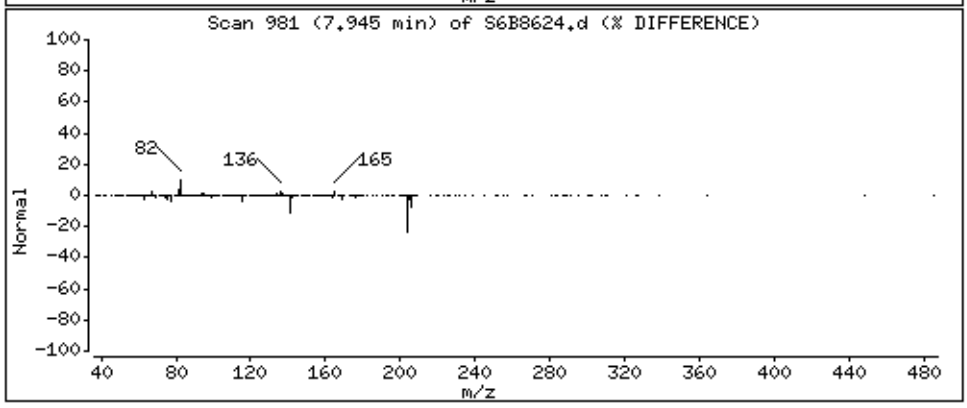












Data File: \\avogadro\organics\S6.I\140717.B\S6B8624.d

Date : 17-JUL-2014 13:52

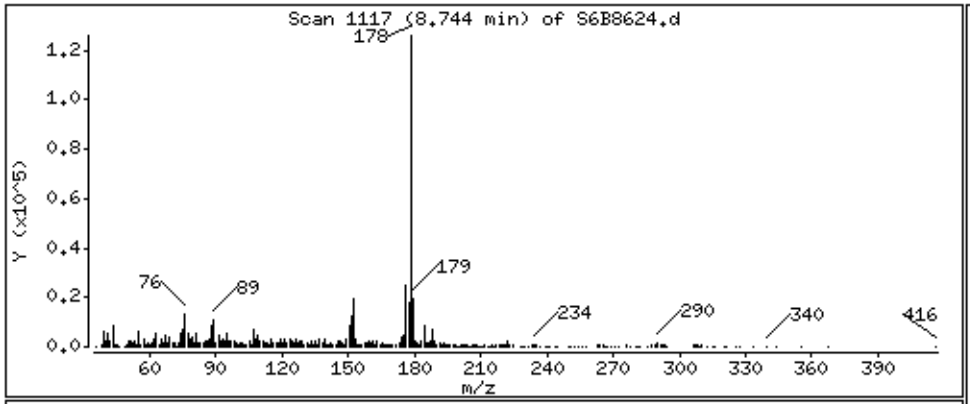
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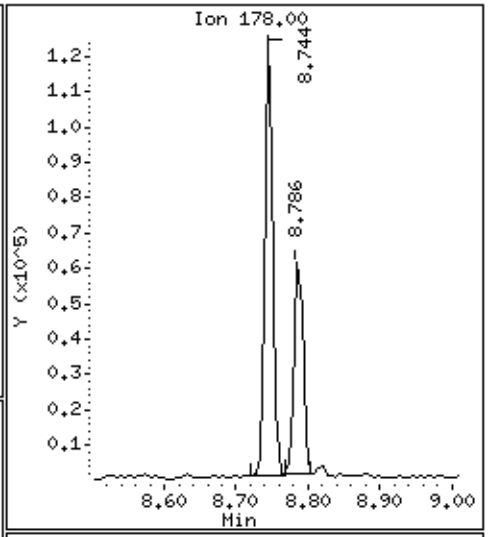
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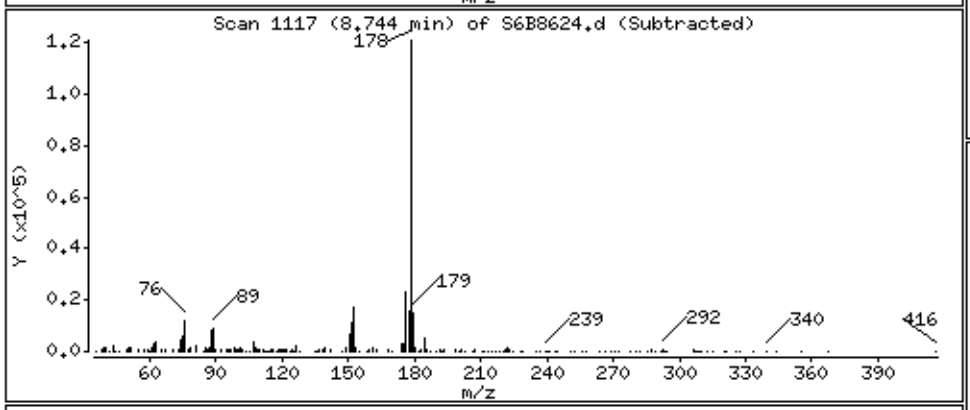
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

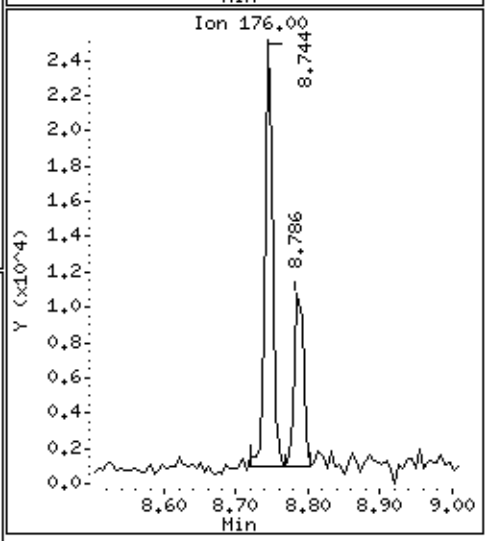
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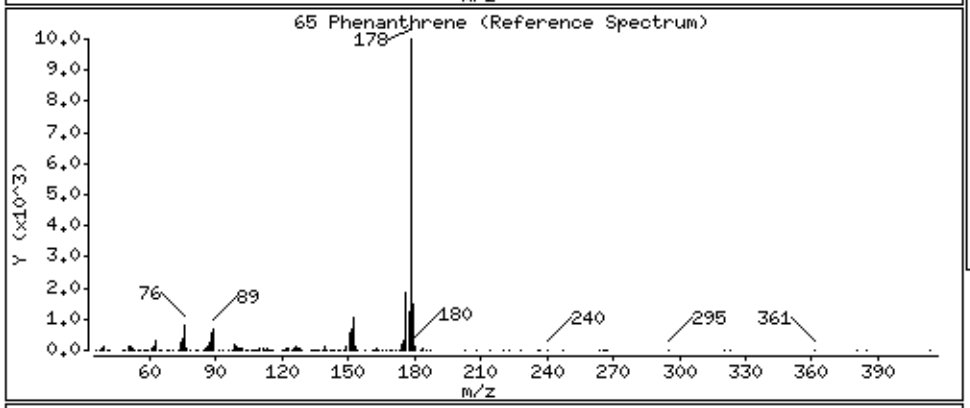
65 Phenanthrene Concentration: 4 ug/L

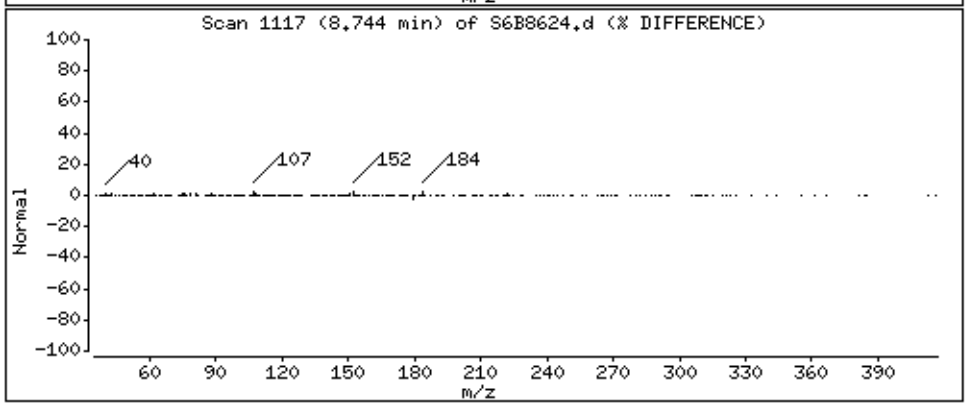












Data File: \\avogadro\organics\S6.I\140717.B\S6B8624.d

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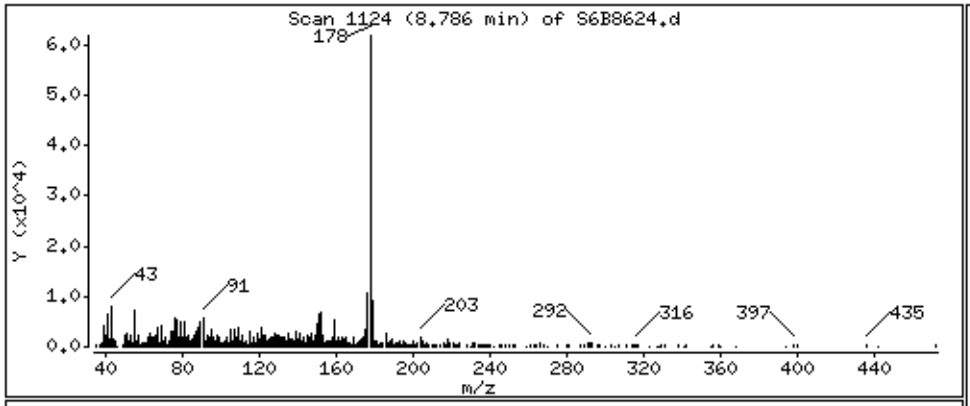
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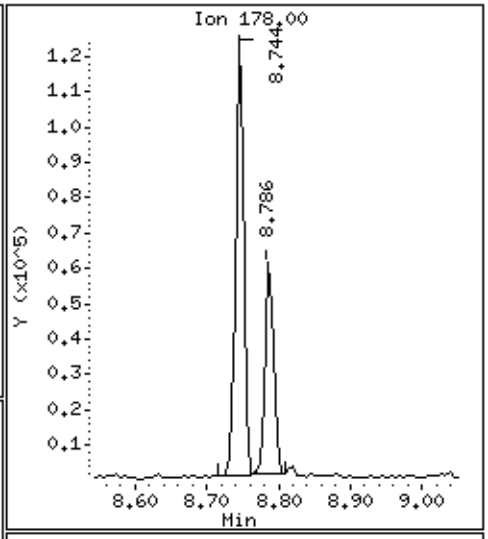
Sample Info: N1194-11A,,78060

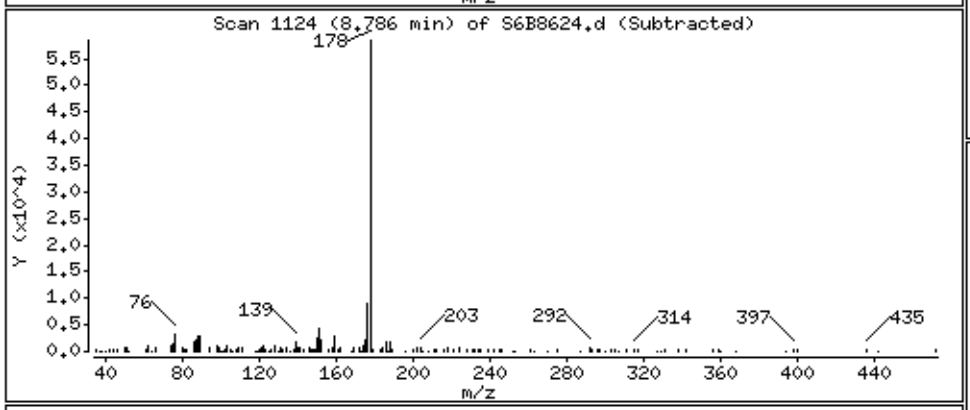
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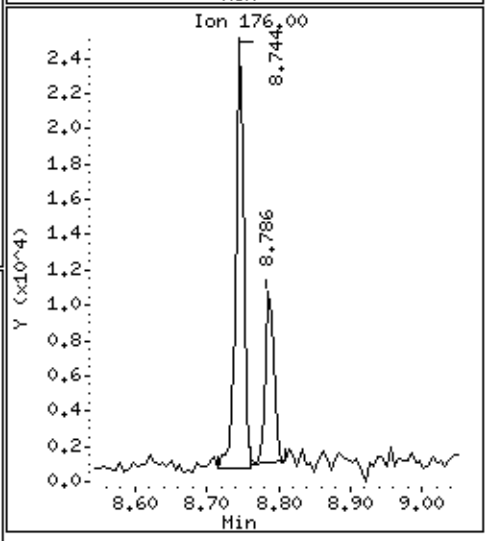
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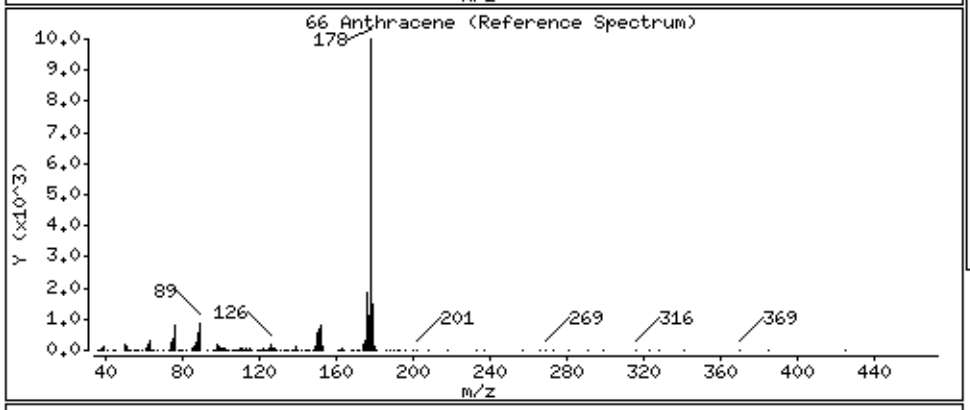
66 Anthracene Concentration: 2 ug/L

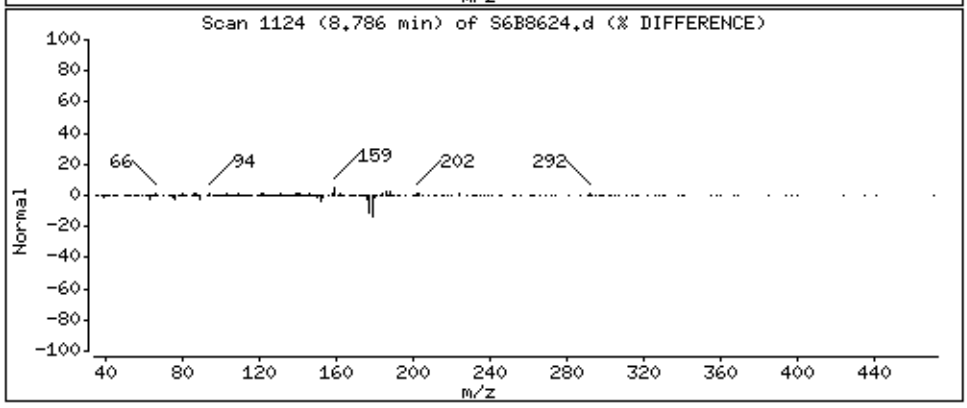












Data File: \\avogadro\organics\S6.I\140717.B\S6B8624.d

Date : 17-JUL-2014 13:52

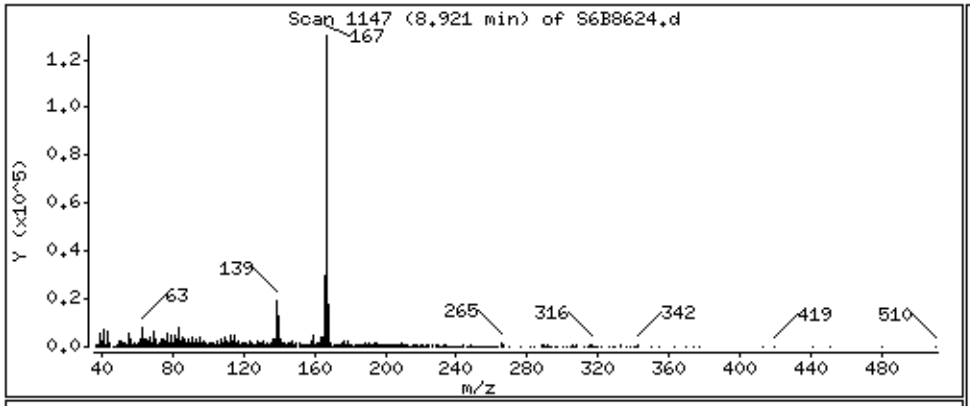
Client ID: GW-TP-01-071014 Instrument: S6.i

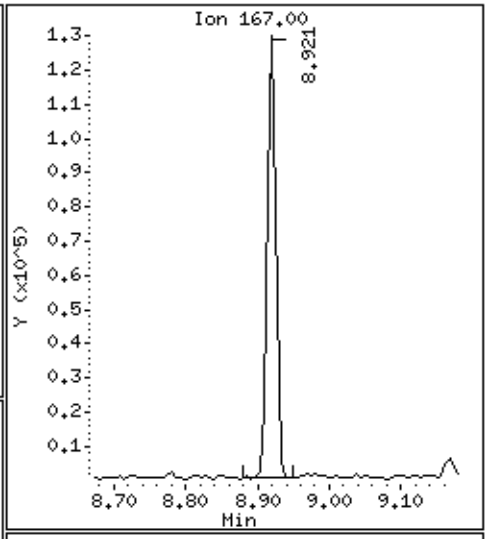
Sample Info: N1194-11A,,78060

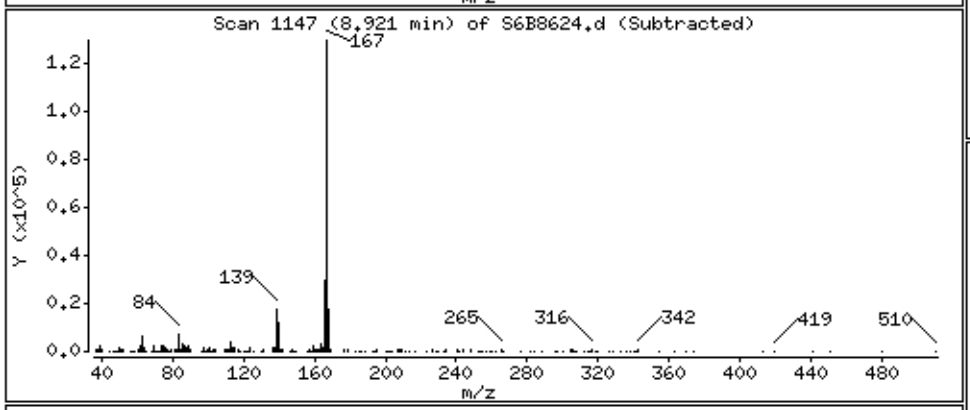
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

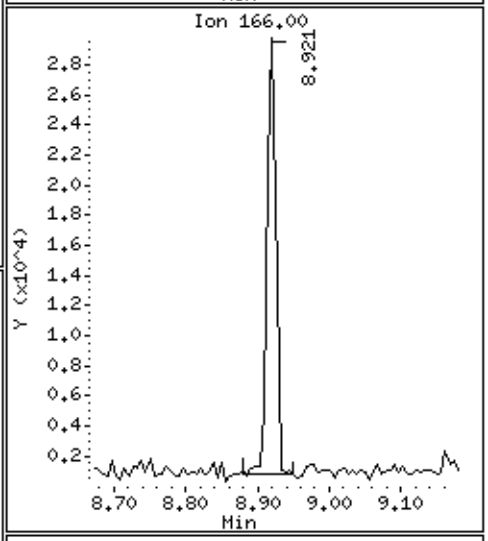
Column phase: Rxi-5Sil MS Column diameter: 0.25

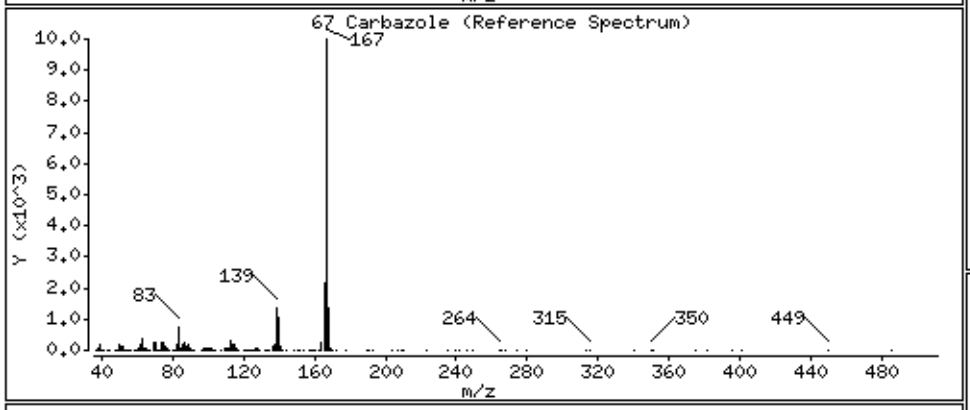
67 Carbazole Concentration: 4 ug/L

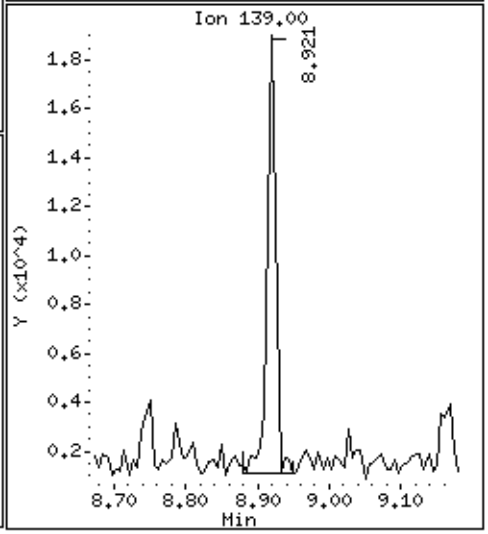


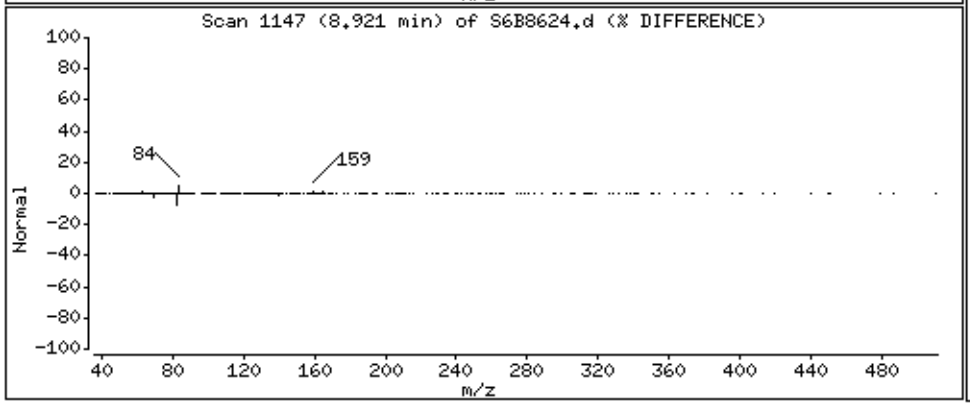












Data File: \\avogadro\organics\S6.I\140717.B\S6B8624.d

Date : 17-JUL-2014 13:52

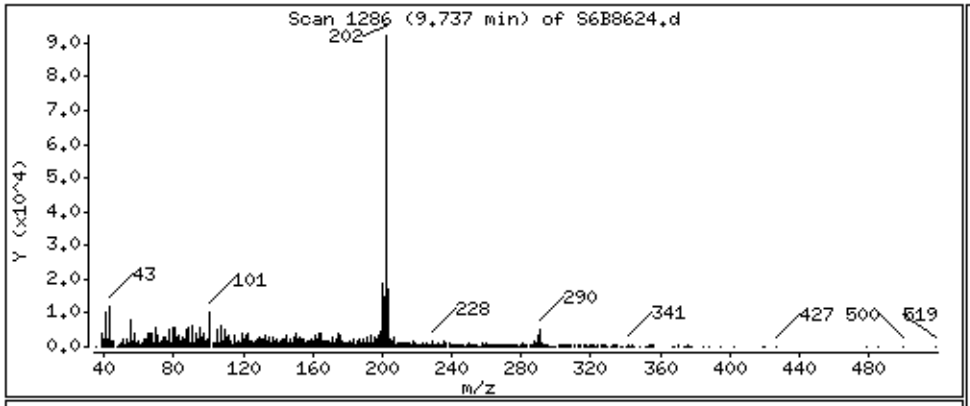
Client ID: GW-TP-01-071014 Instrument: S6.i

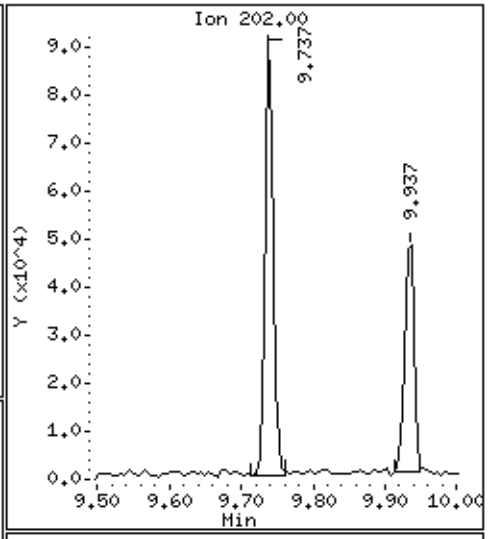
Sample Info: N1194-11A,,78060

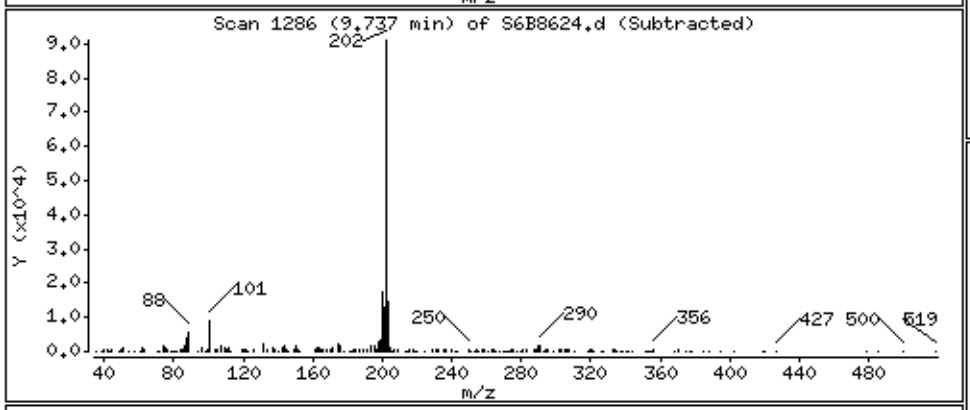
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

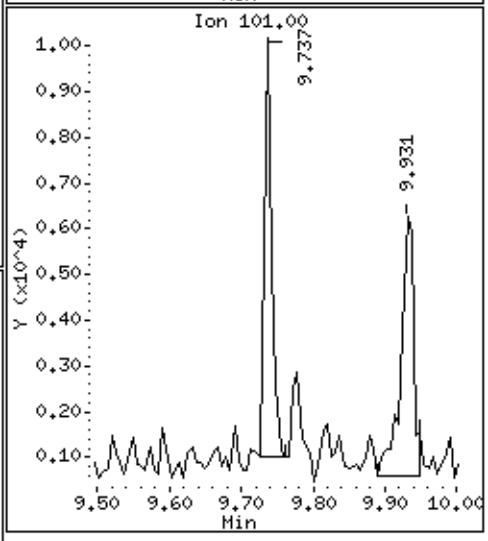
Column phase: Rxi-5Sil MS Column diameter: 0.25

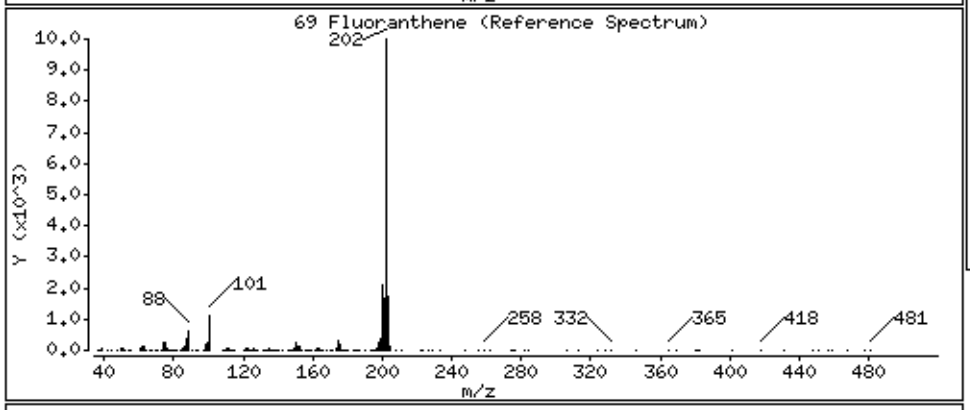
69 Fluoranthene Concentration: 2 ug/L

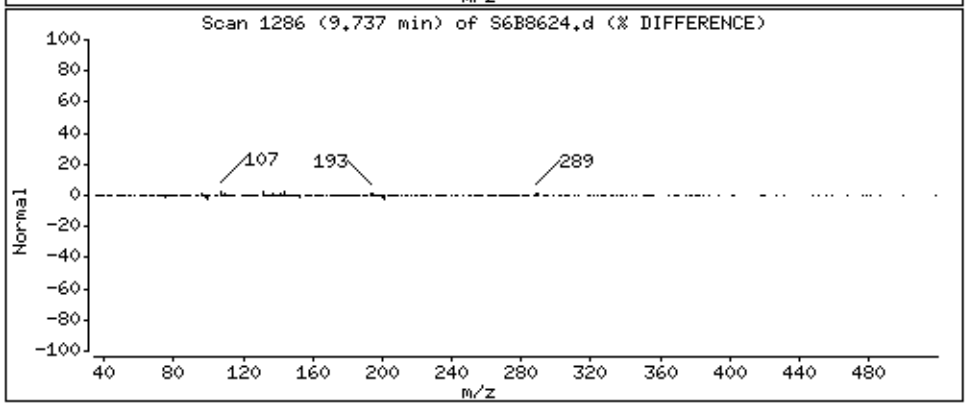












Data File: \\avogadro\organics\S6.I\140717.B\S6B8624.d

Date : 17-JUL-2014 13:52

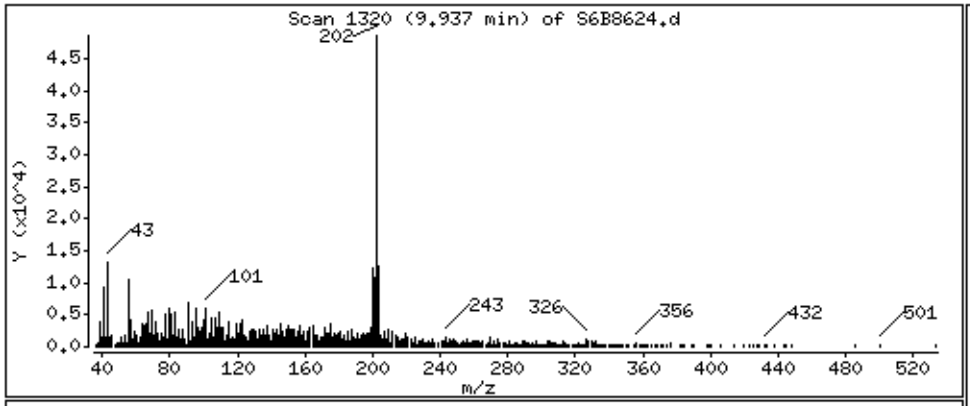
Client ID: GW-TP-01-071014 Instrument: S6.i

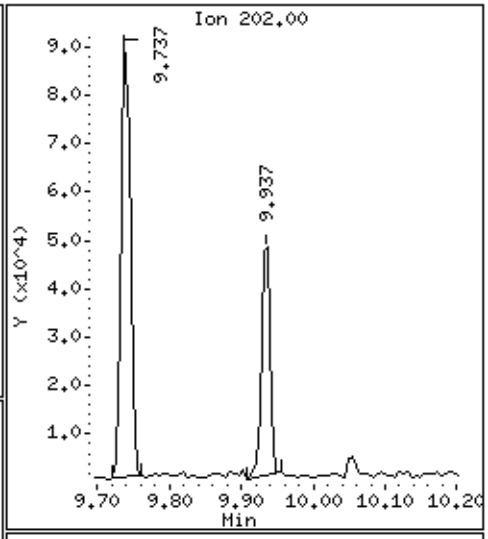
Sample Info: N1194-11A,,78060

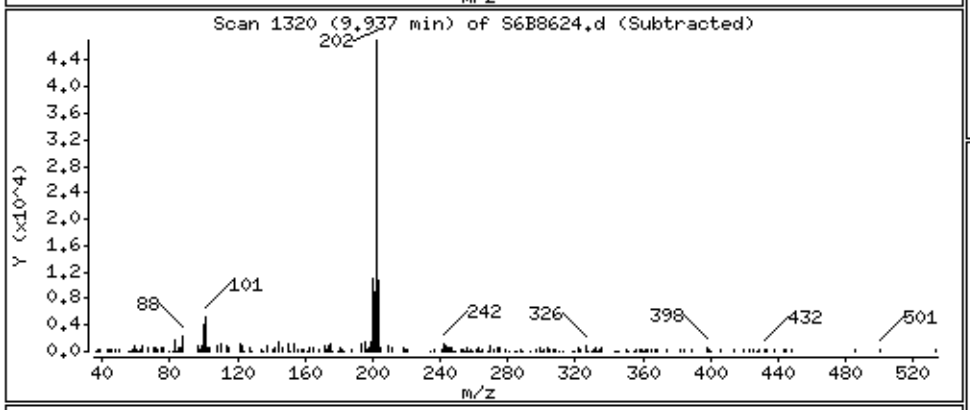
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

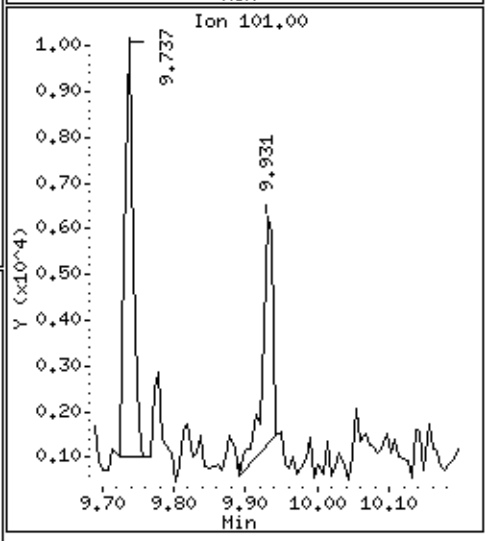
Column phase: Rxi-5Sil MS Column diameter: 0.25

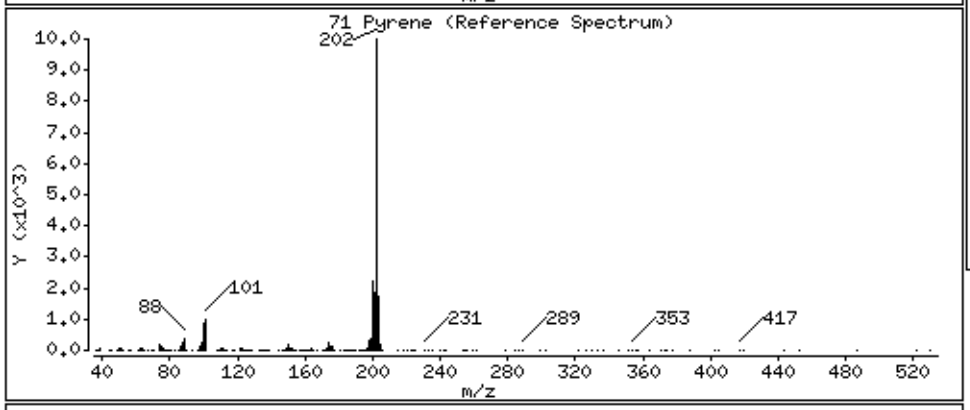
71 Pyrene Concentration: 1 ug/L

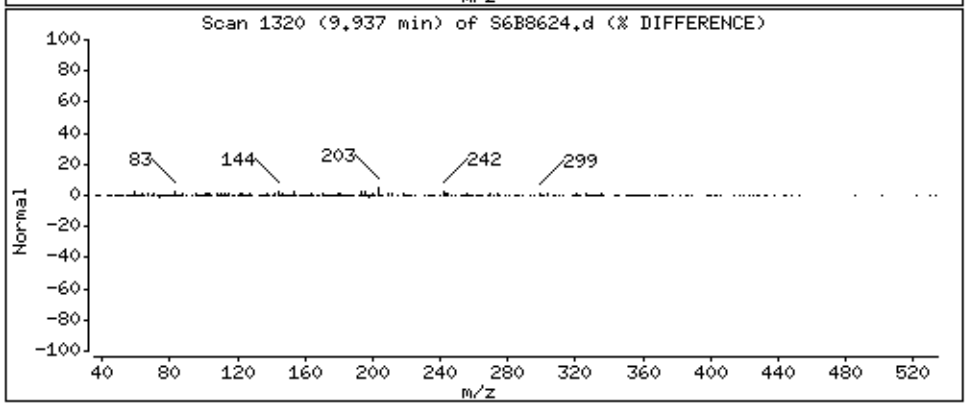












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-21-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-12A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8640.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 11 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
86-73-7	Fluorene	360	U
87-86-5	Pentachlorophenol	740	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	380	
129-00-0	Pyrene	350	J
56-55-3	Benzo(a)anthracene	290	J
218-01-9	Chrysene	460	
205-99-2	Benzo(b)fluoranthene	840	
207-08-9	Benzo(k)fluoranthene	260	J
50-32-8	Benzo(a)pyrene	500	
193-39-5	Indeno(1,2,3-cd)pyrene	540	
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	540	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8640.d
Report Date: 18-Jul-2014 15:43

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8640.d
Lab Smp Id: N1194-12A Client Smp ID: SS-21-071014
Inj Date : 17-JUL-2014 20:05
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-12A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.300	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.850	3.832	(0.776)	319395	35.1329	2300
$	5 Phenol-d5	99	4.660	4.655	(0.940)	390133	33.6152	2200
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	274460	40.0000	
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	387010	40.7531	2700
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	921355	40.0000	
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	822473	41.0687	2700
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	572271	40.0000	
$	60 2,4,6-Tribromophenol	330	8.150	8.156	(0.933)	100589	39.4994	2600
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1106163	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.002)	67075	2.24560	150(a)
	69 Fluoranthene	202	9.737	9.749	(1.115)	175608	5.13702	340(a)
	71 Pyrene	202	9.931	9.949	(0.895)	186520	4.71003	310(a)
$	72 Terphenyl-d14	244	10.048	10.060	(0.905)	967509	37.6158	2400
	75 Benzo(a)anthracene	228	11.088	11.112	(0.999)	145975	3.97631	260(aH)
*	76 Chrysene-d12	240	11.100	11.130	(1.000)	1285767	40.0000	
	77 Chrysene	228	11.129	11.159	(1.003)	210229	6.23944	410(a)
	80 Benzo(b)fluoranthene	252	12.663	12.692	(0.943)	443802	11.4468	750(H)
	81 Benzo(k)fluoranthene	252	12.710	12.745	(0.947)	140942	3.58034	230(a)
	82 Benzo(a)pyrene	252	13.297	13.327	(0.990)	251170	6.79016	440(a)

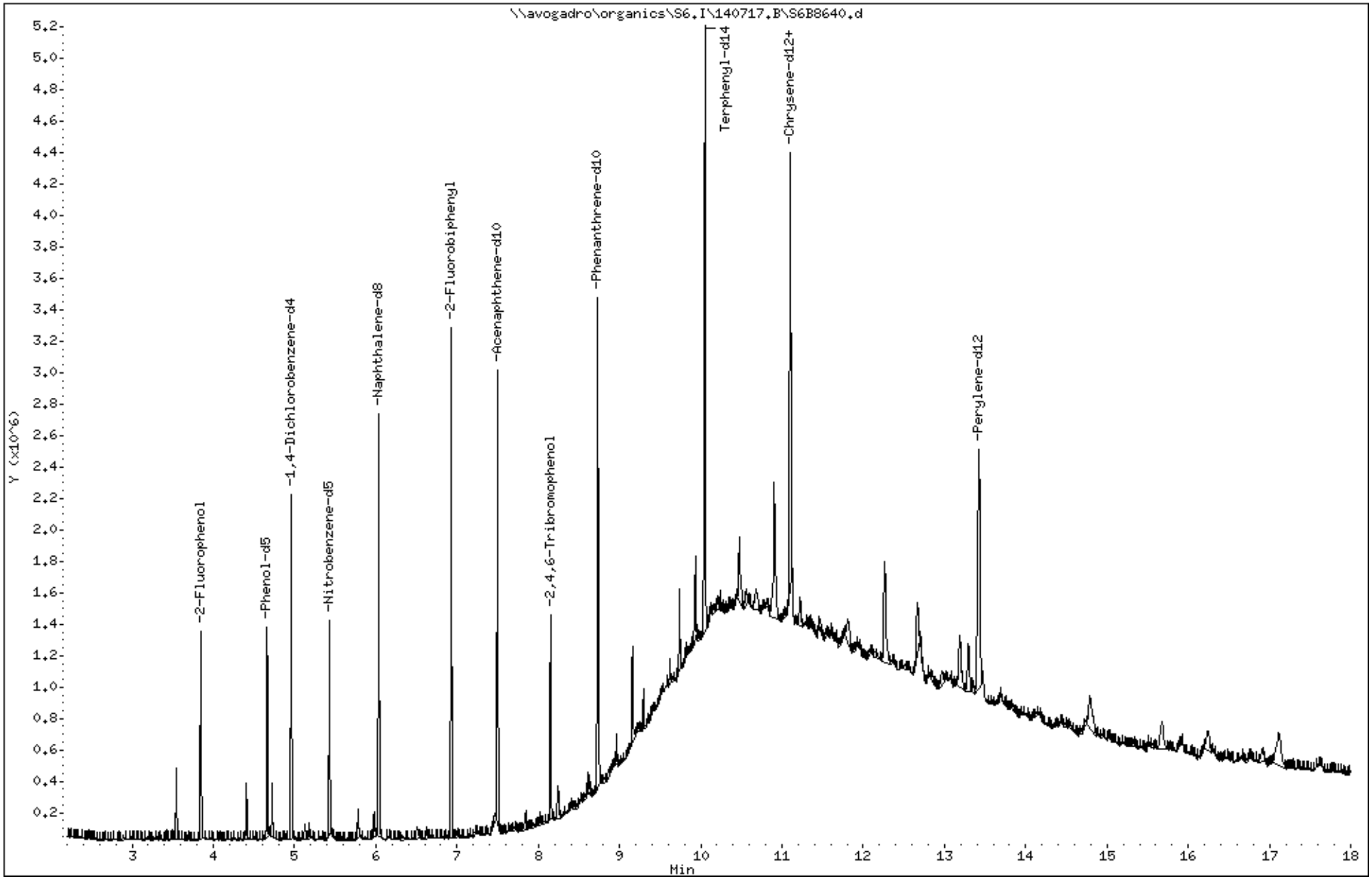
Data File: \\avogadro\organics\S6.I\140717.B\S6B8640.d
Report Date: 18-Jul-2014 15:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
* 83 Perylene-d12	264	13.427	13.450	(1.000)	1318726	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	16.241	16.277	(1.210)	237841	7.36911	480(a)
86 Benzo(g,h,i)perylene	276	17.128	17.170	(1.276)	246502	7.39564	480(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8640.d
Date : 17-JUL-2014 20:05
Client ID: SS-21-071014
Instrument: S6.i
Sample Info: N1194-12A,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8640.d

Date : 17-JUL-2014 20:05

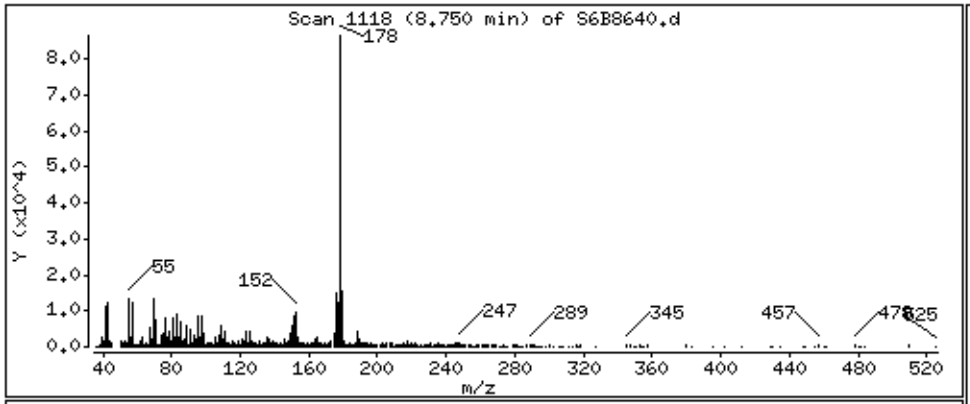
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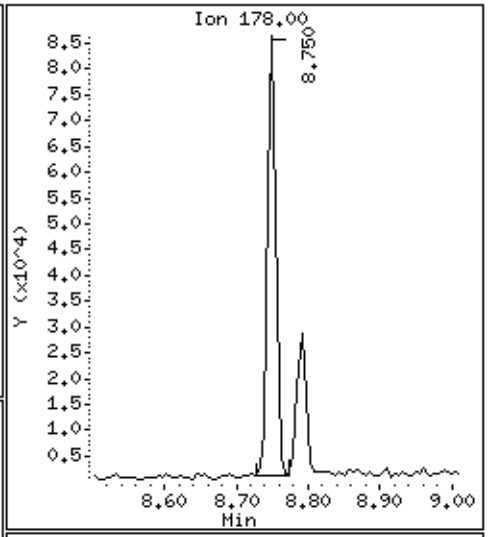
Sample Info: N1194-12A,,78076

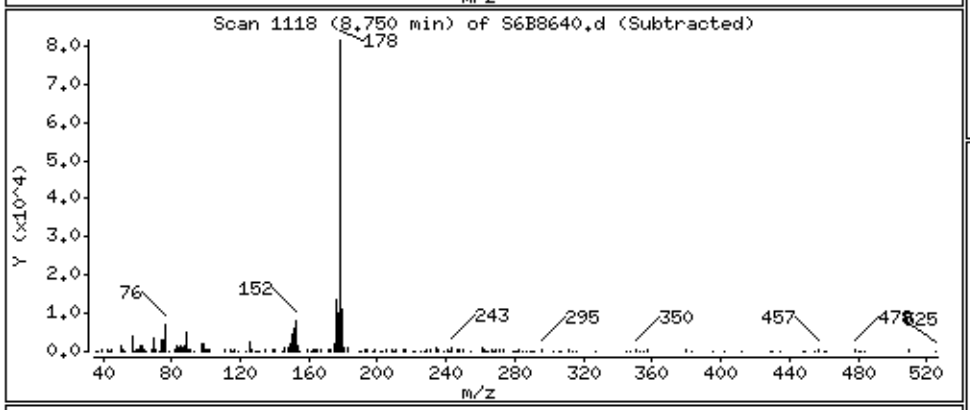
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

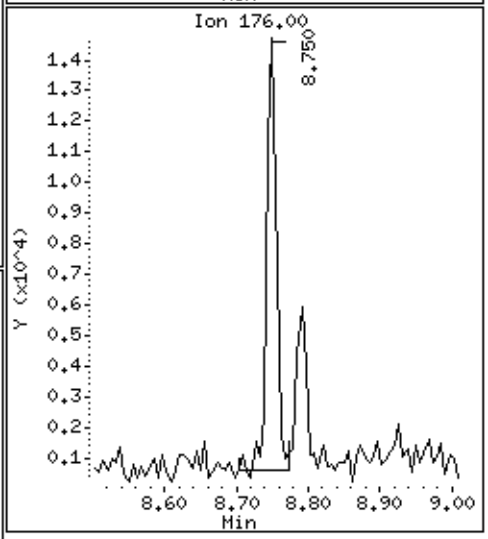
Column phase: Rxi-5Sil MS Column diameter: 0.25

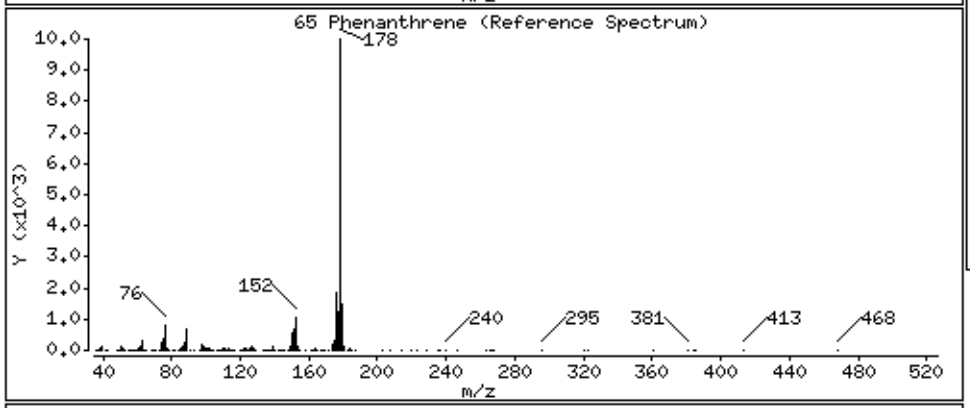
65 Phenanthrene Concentration: 150 ug/Kg

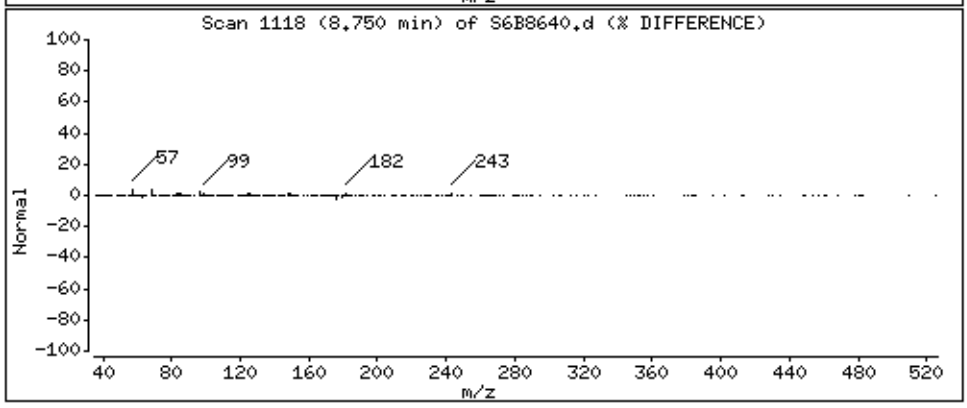












Data File: \\avogadro\organics\S6.I\140717.B\S6B8640.d

Date : 17-JUL-2014 20:05

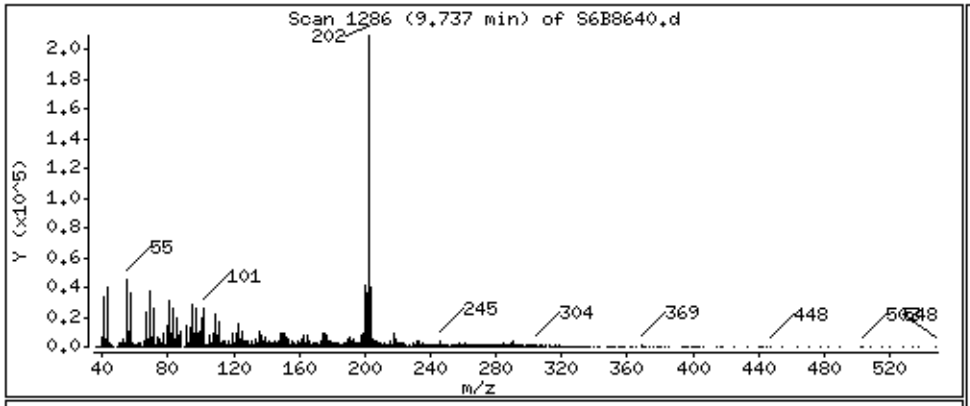
Client ID: SS-21-071014 Instrument: S6.i

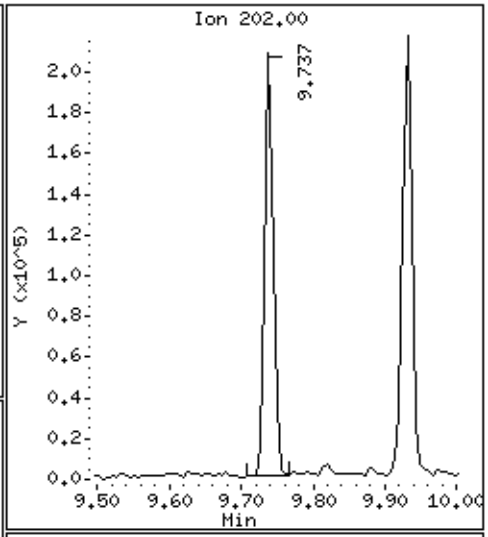
Sample Info: N1194-12A,,78076

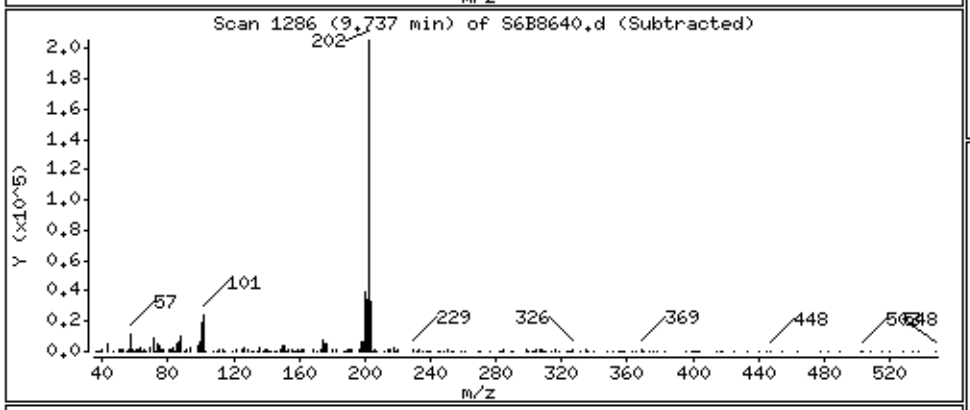
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

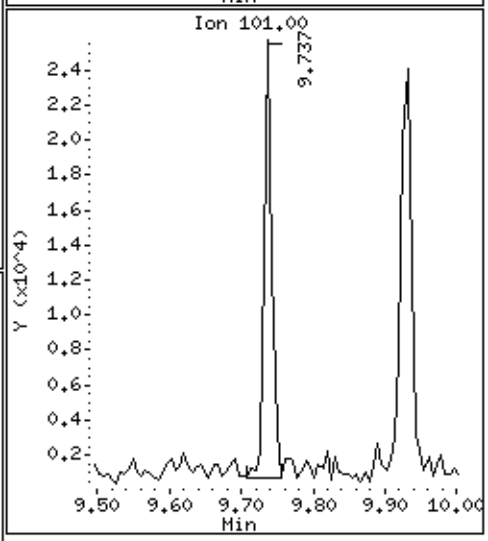
Column phase: Rxi-5Sil MS Column diameter: 0.25

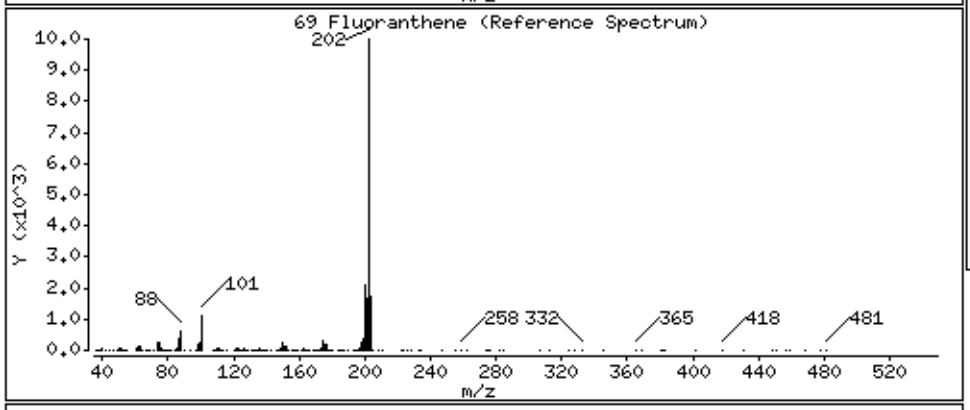
69 Fluoranthene Concentration: 340 ug/Kg

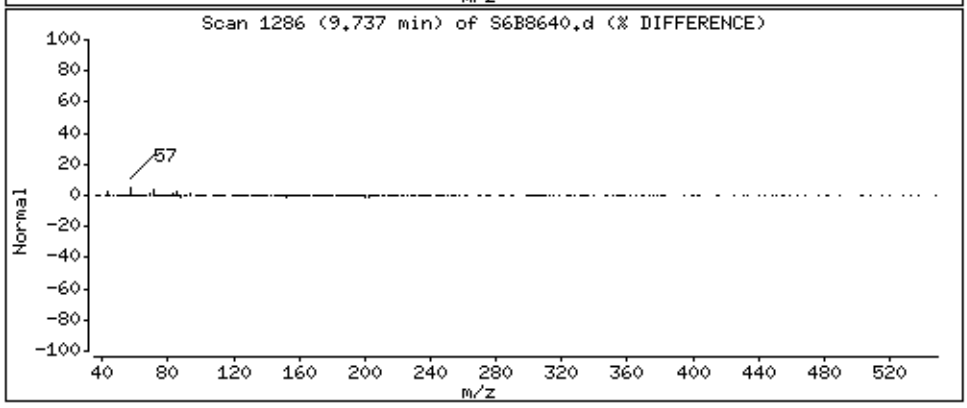












Data File: \\avogadro\organics\S6.I\140717.B\S6B8640.d

Date : 17-JUL-2014 20:05

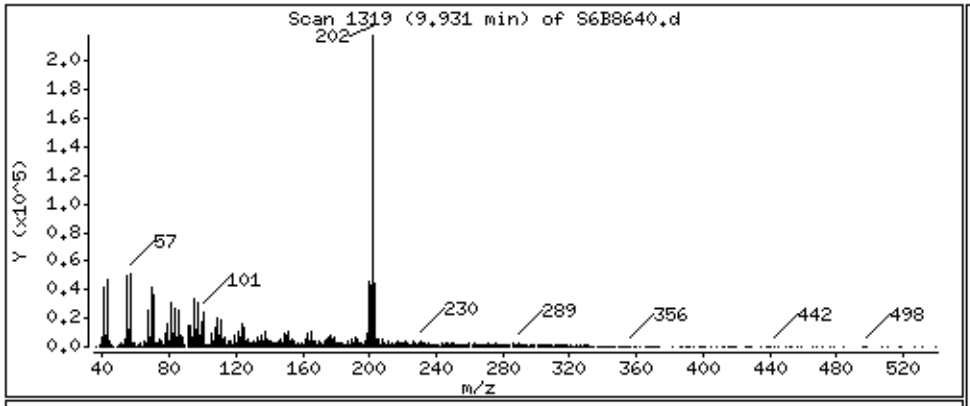
Client ID: SS-21-071014 Instrument: S6.i

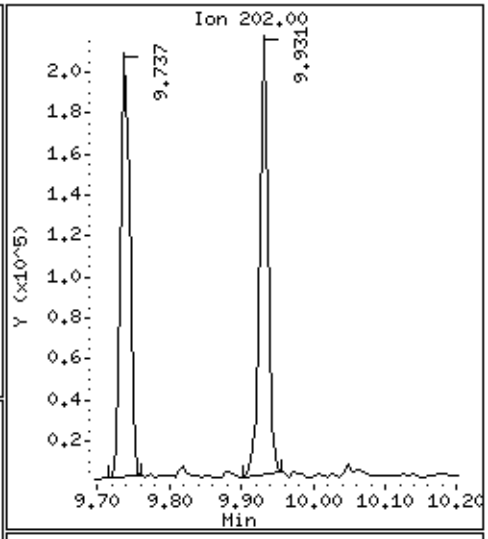
Sample Info: N1194-12A,,78076

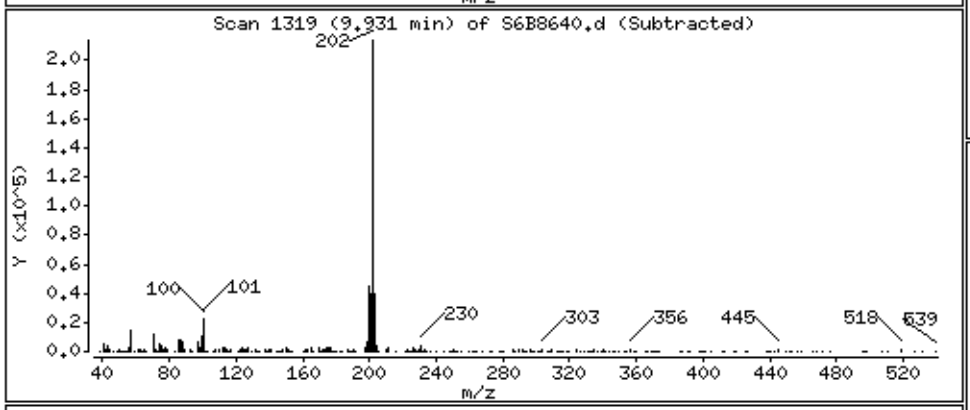
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

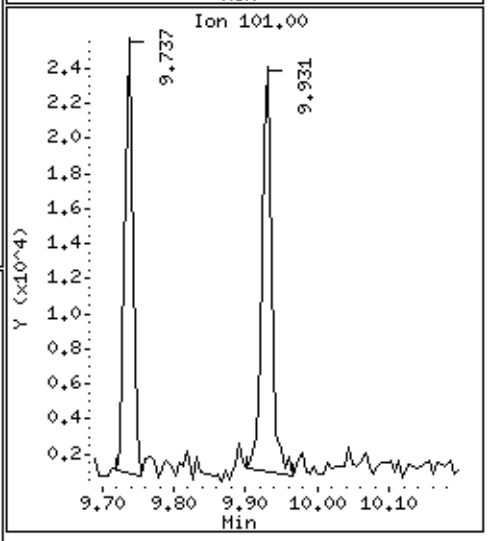
Column phase: Rxi-5Sil MS Column diameter: 0.25

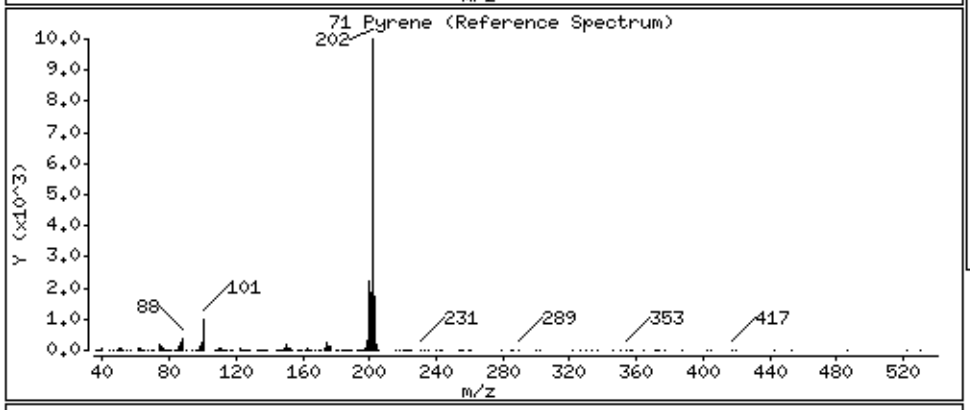
71 Pyrene Concentration: 310 ug/Kg

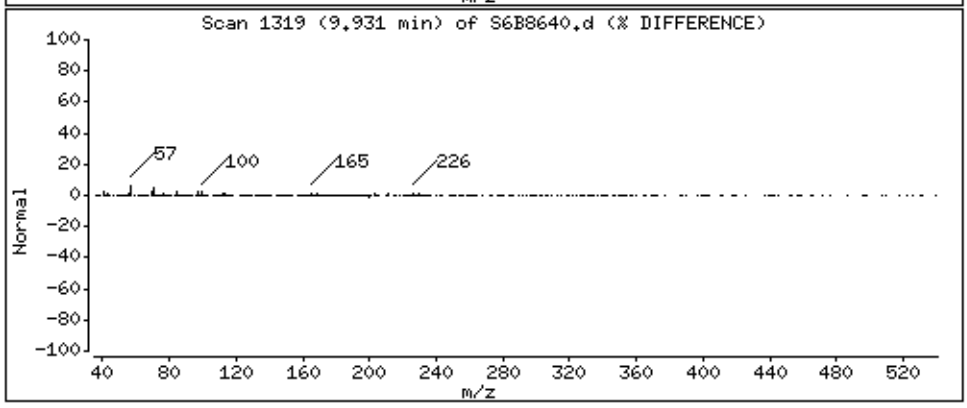












Data File: \\avogadro\organics\S6.I\140717.B\S6B8640.d

Date : 17-JUL-2014 20:05

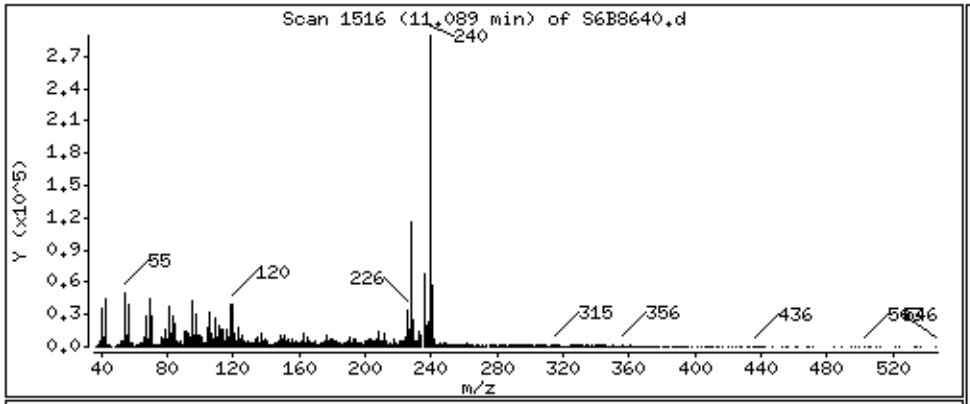
Client ID: SS-21-071014 Instrument: S6.i

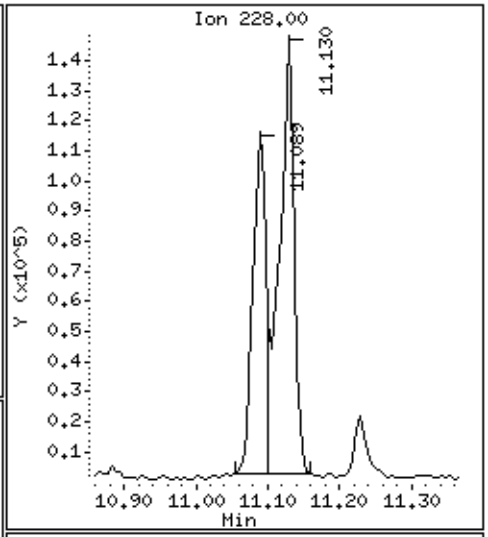
Sample Info: N1194-12A,,78076

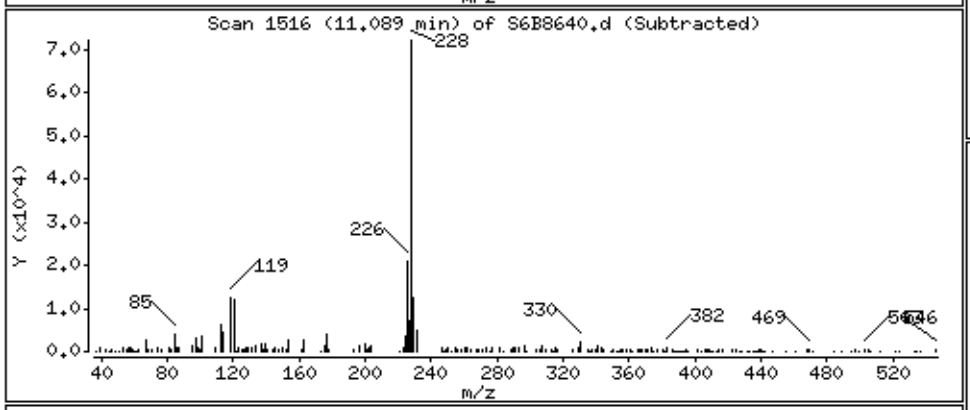
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

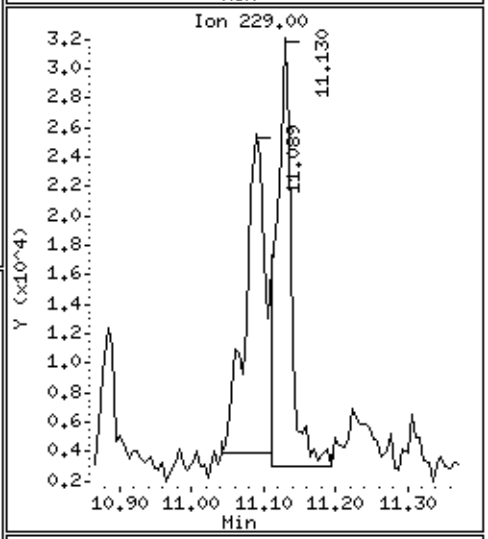
Column phase: Rxi-5Sil MS Column diameter: 0.25

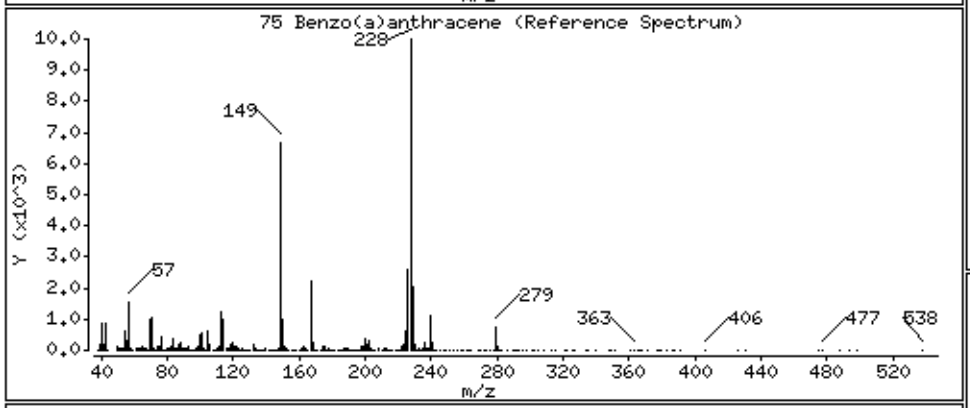
75 Benzo(a)anthracene Concentration: 260 ug/Kg

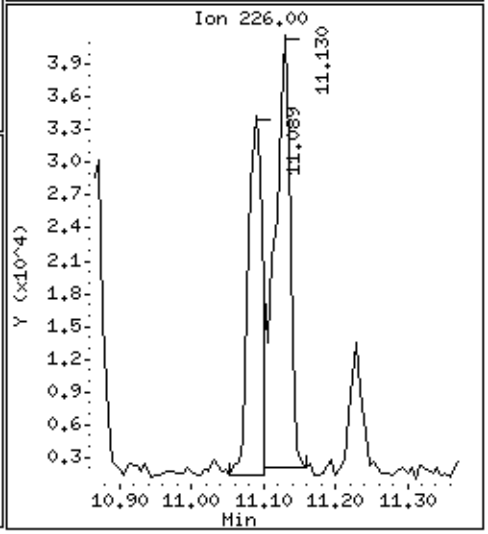


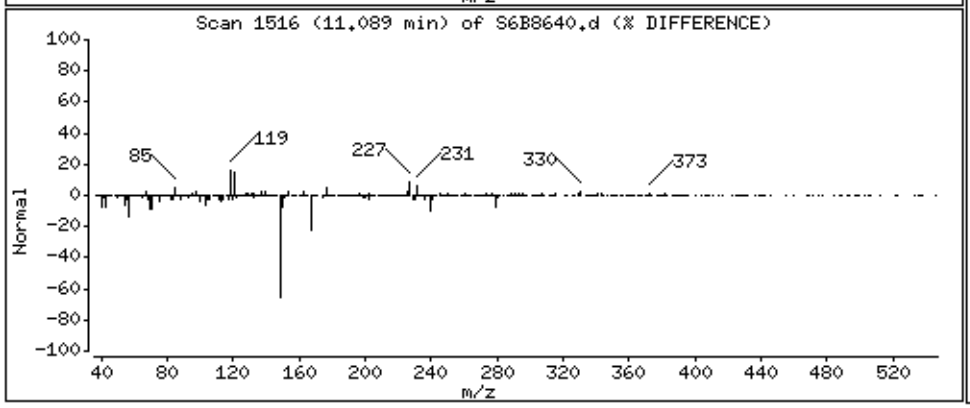












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Date : 17-JUL-2014 20:05

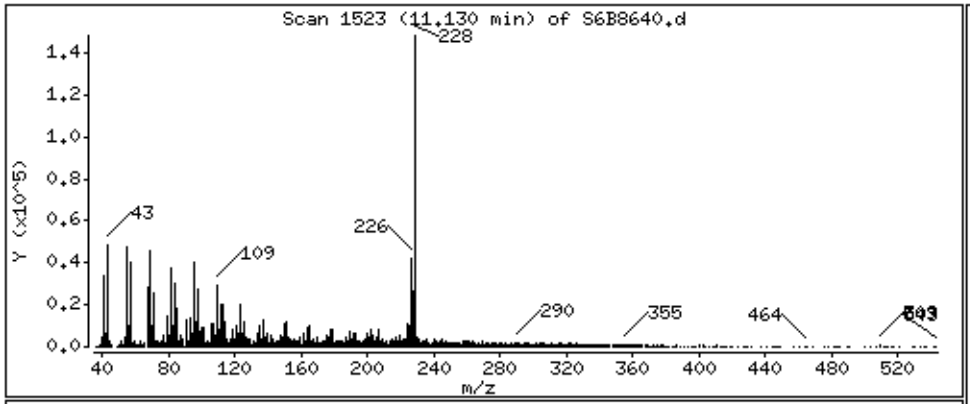
Client ID: SS-21-071014 Instrument: S6.i

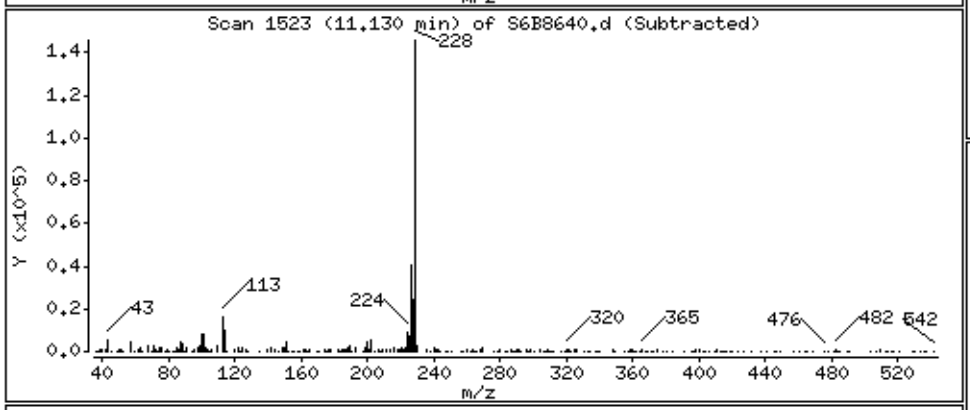
Sample Info: N1194-12A,,78076

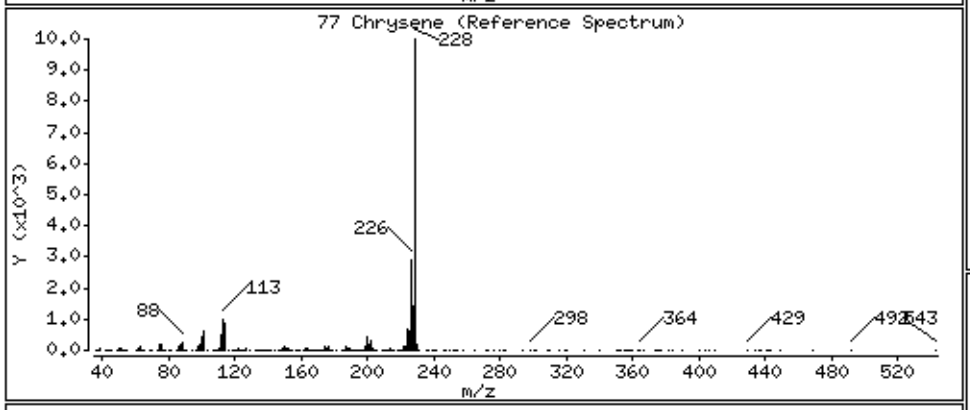
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

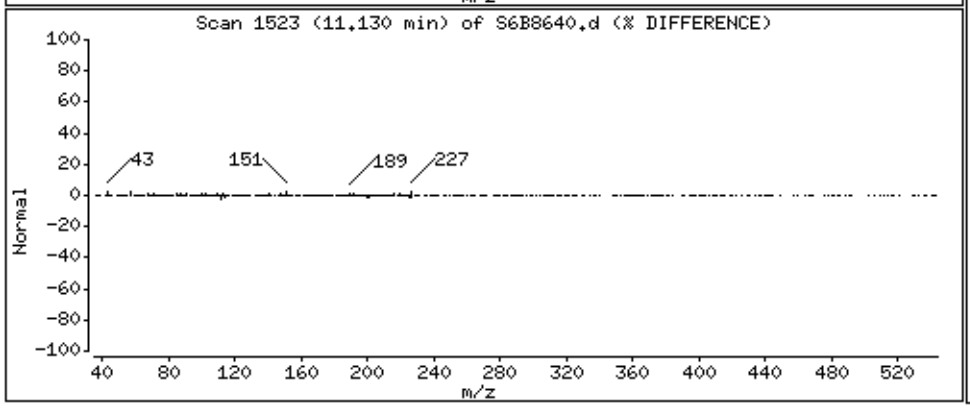
Column phase: Rxi-5Sil MS Column diameter: 0.25

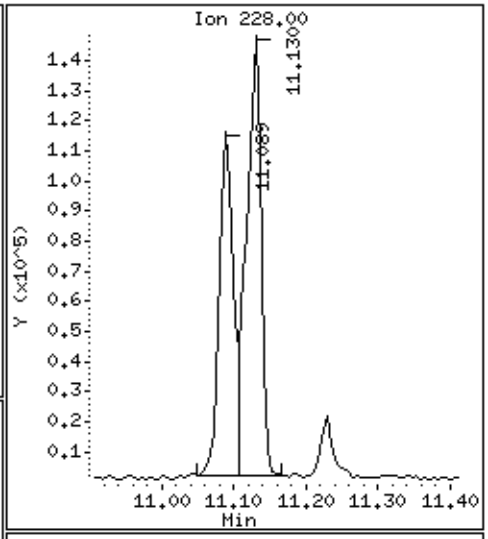
77 Chrysene Concentration: 410 ug/Kg

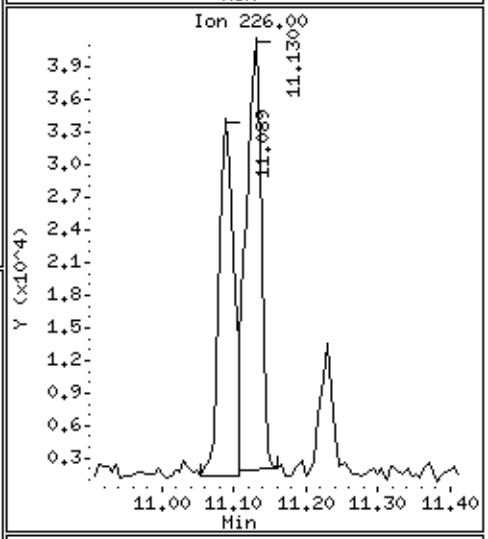


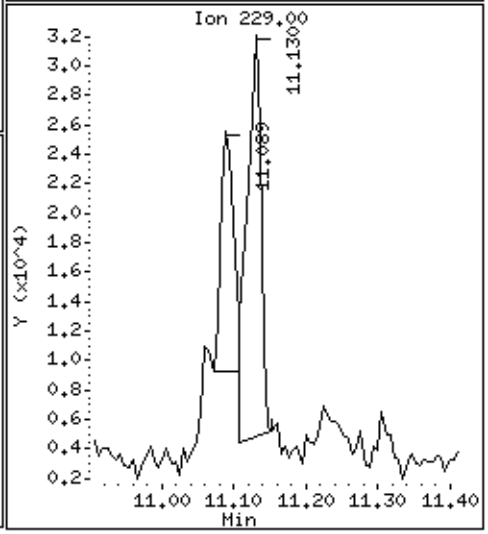












Data File: \\avogadro\organics\S6.I\140717.B\S6B8640.d

Date : 17-JUL-2014 20:05

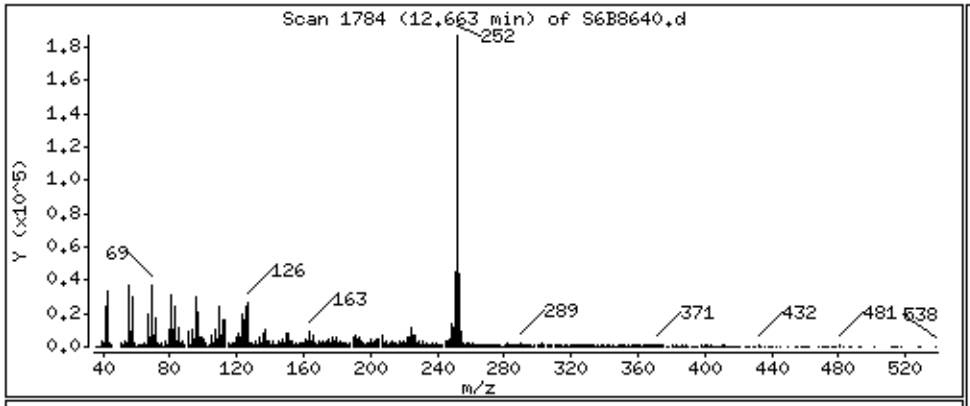
Client ID: SS-21-071014 Instrument: S6.i

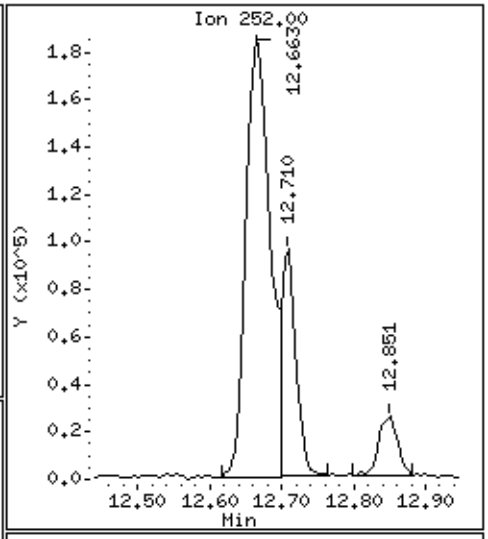
Sample Info: N1194-12A,,78076

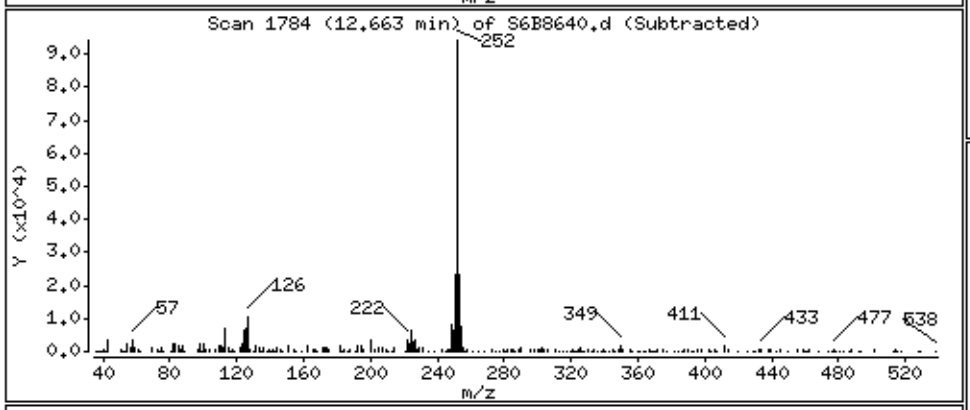
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

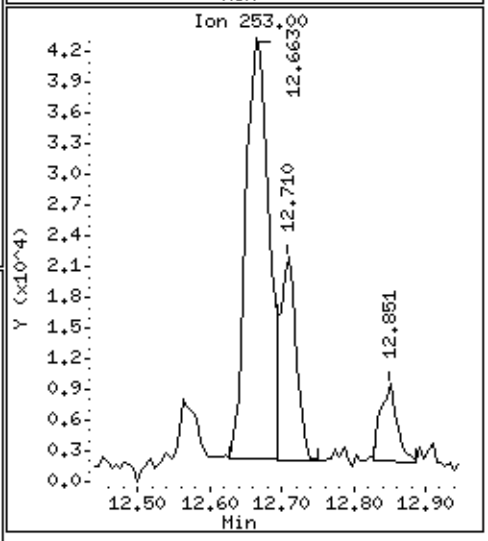
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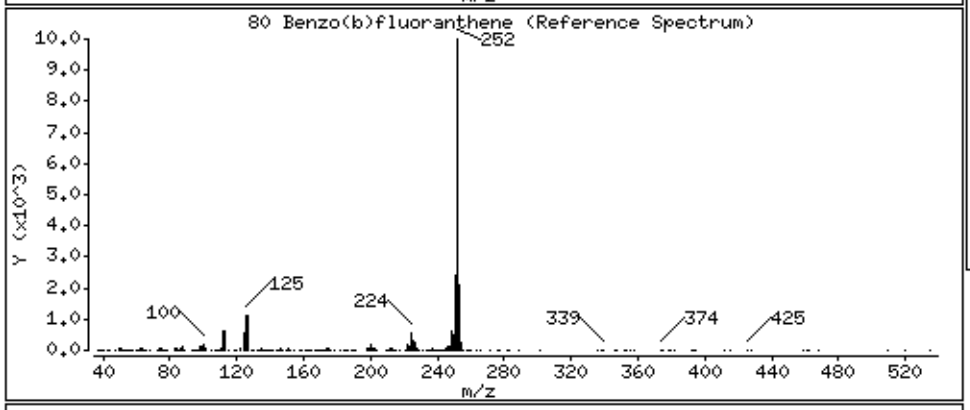
80 Benzo(b)fluoranthene Concentration: 750 ug/Kg

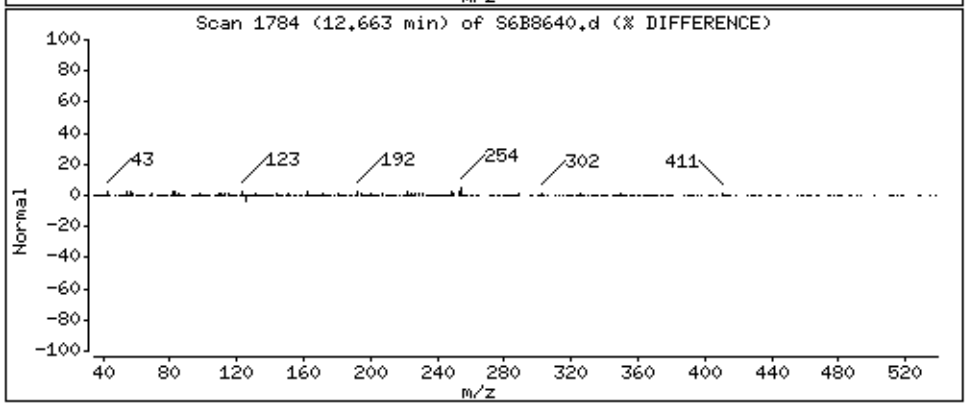












Data File: \\avogadro\organics\S6.I\140717.B\S6B8640.d

Date : 17-JUL-2014 20:05

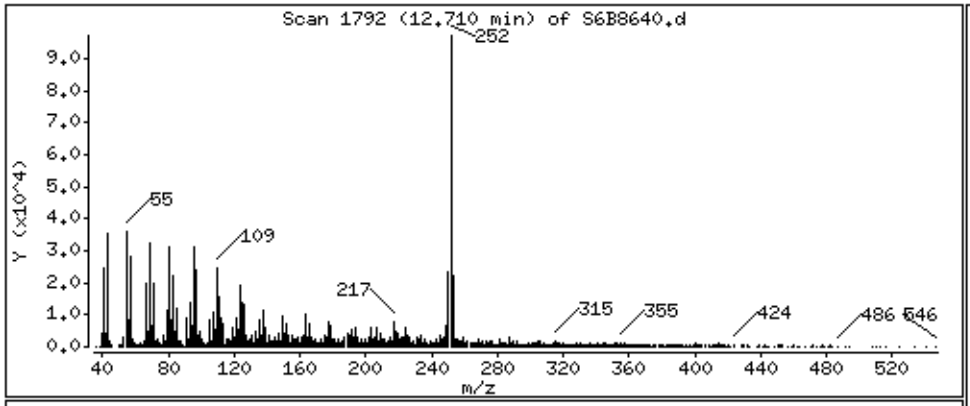
Client ID: SS-21-071014 Instrument: S6.i

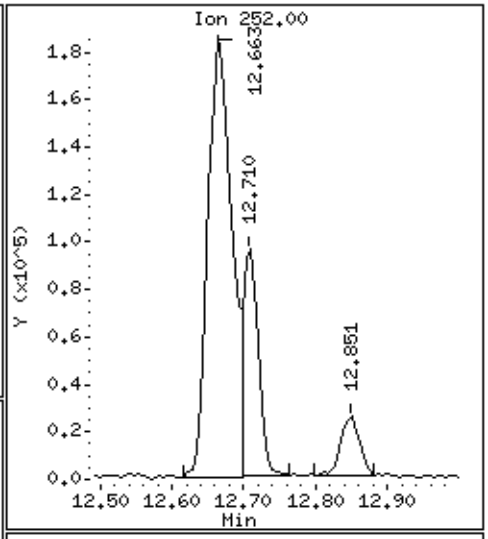
Sample Info: N1194-12A,,78076

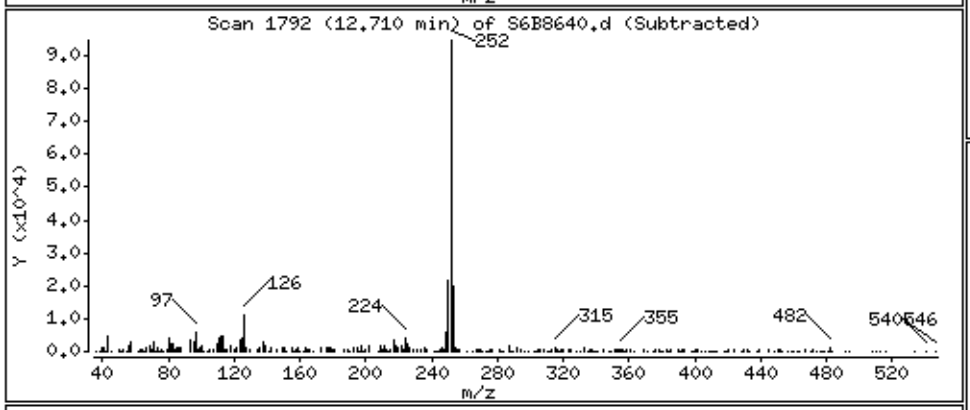
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

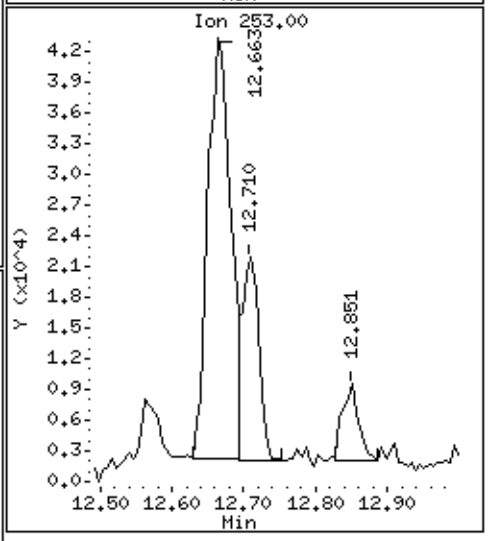
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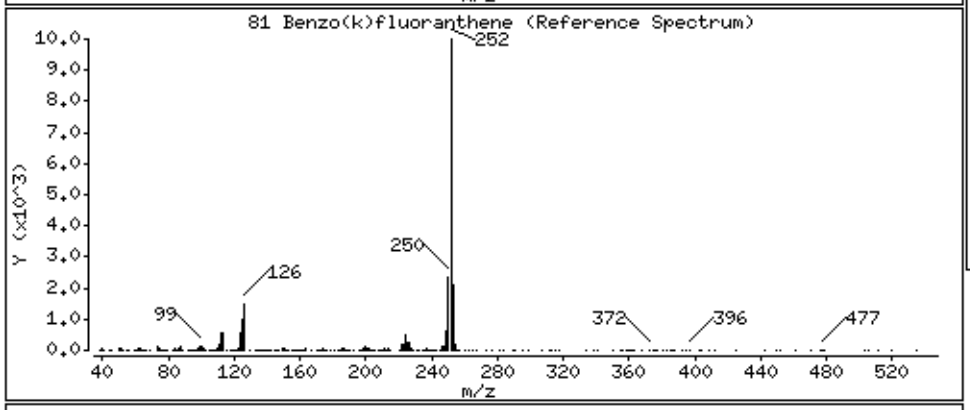
81 Benzo(k)fluoranthene Concentration: 230 ug/Kg

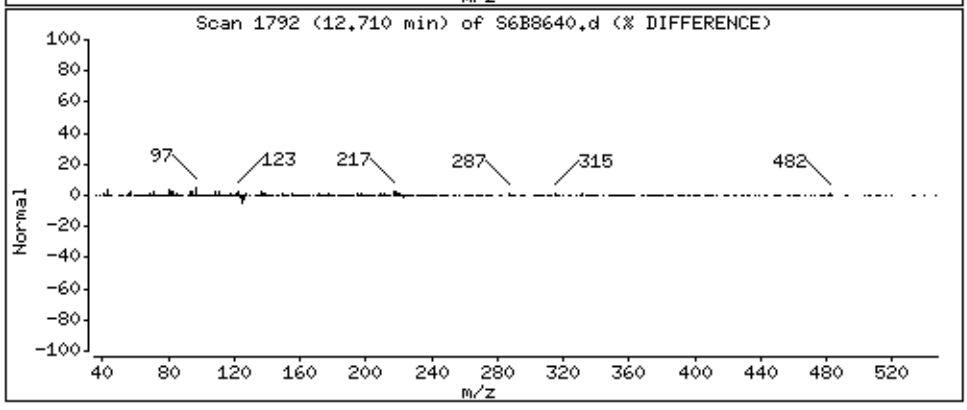












Data File: \\avogadro\organics\S6.I\140717.B\S6B8640.d

Date : 17-JUL-2014 20:05

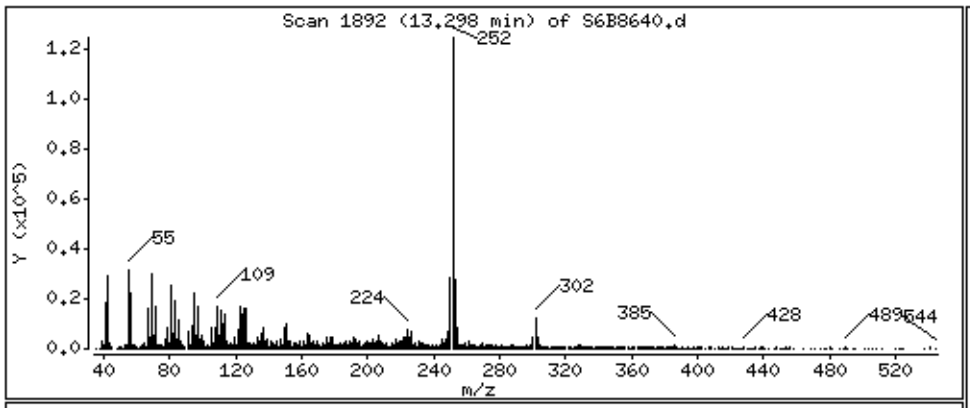
Client ID: SS-21-071014 Instrument: S6.i

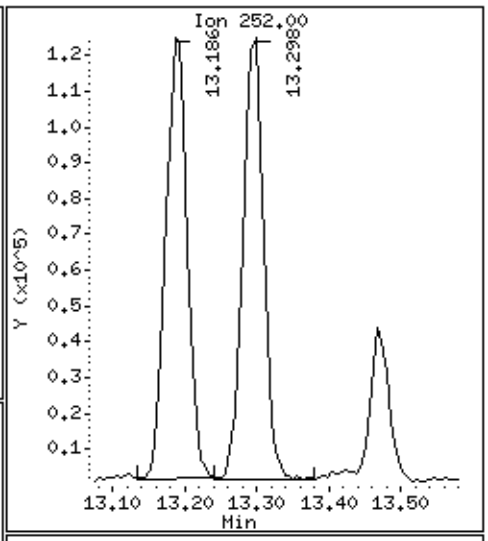
Sample Info: N1194-12A,,78076

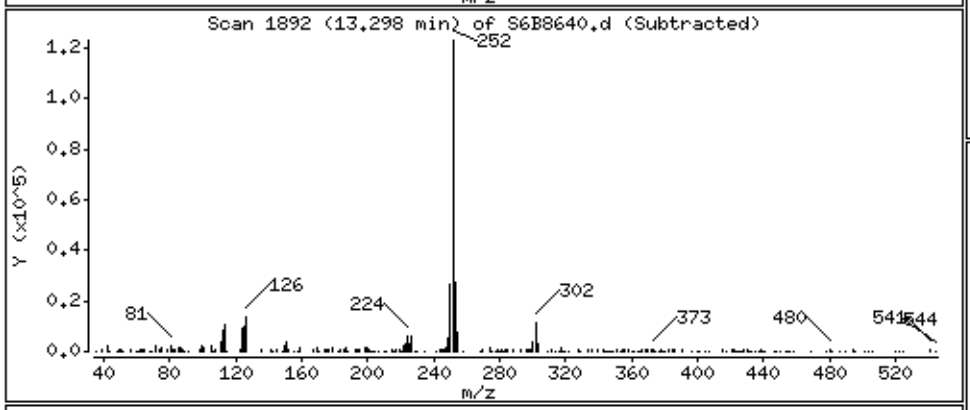
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

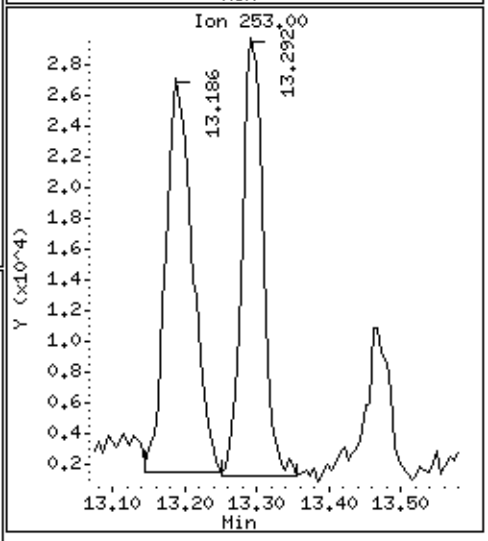
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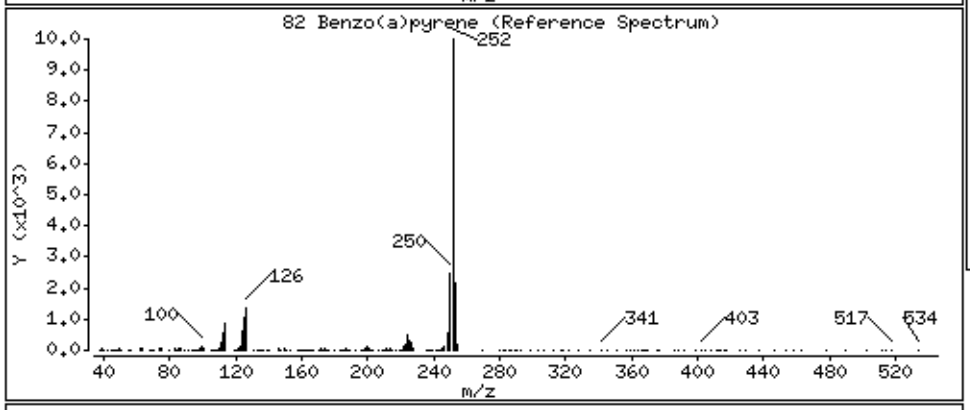
82 Benzo(a)pyrene Concentration: 440 ug/Kg

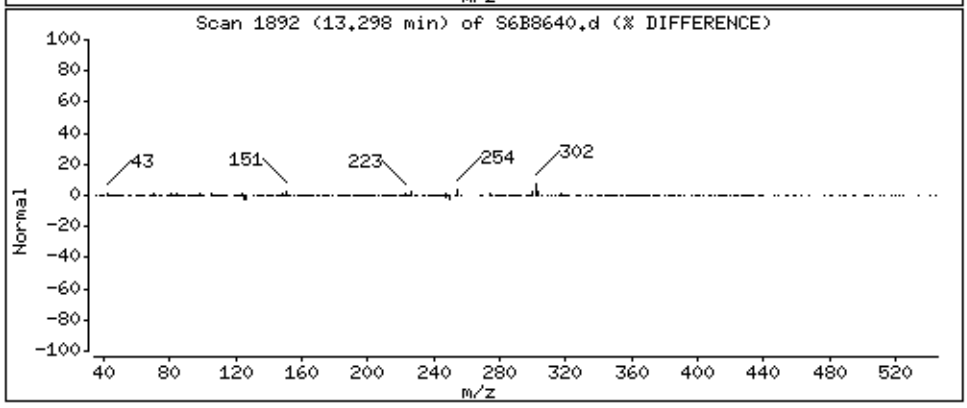












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Date : 17-JUL-2014 20:05

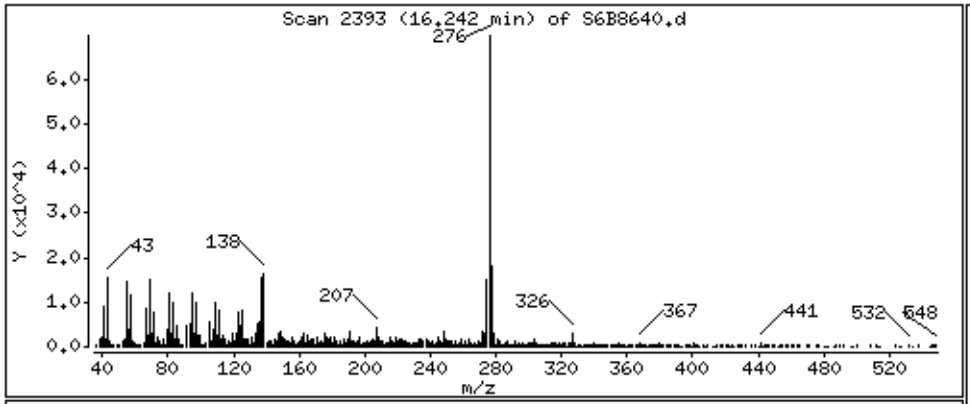
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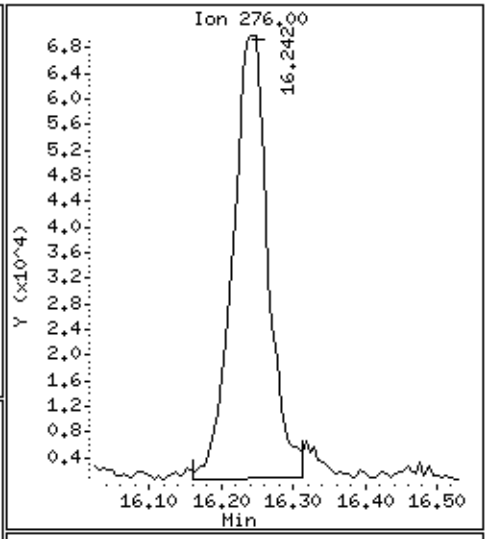
Sample Info: N1194-12A,,78076

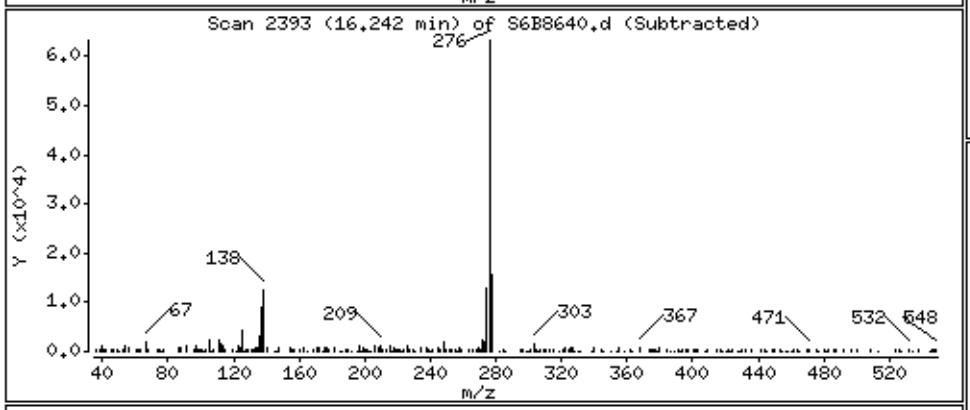
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

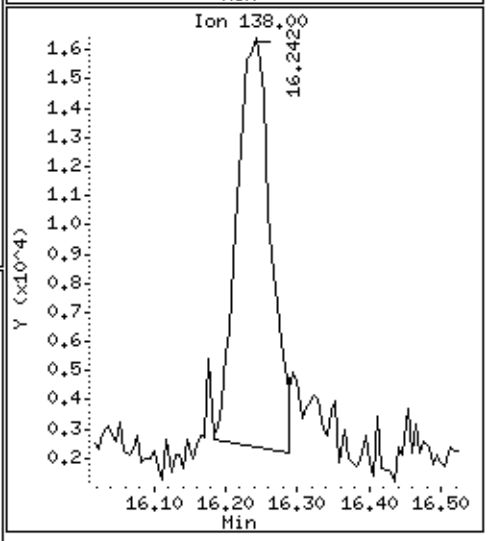
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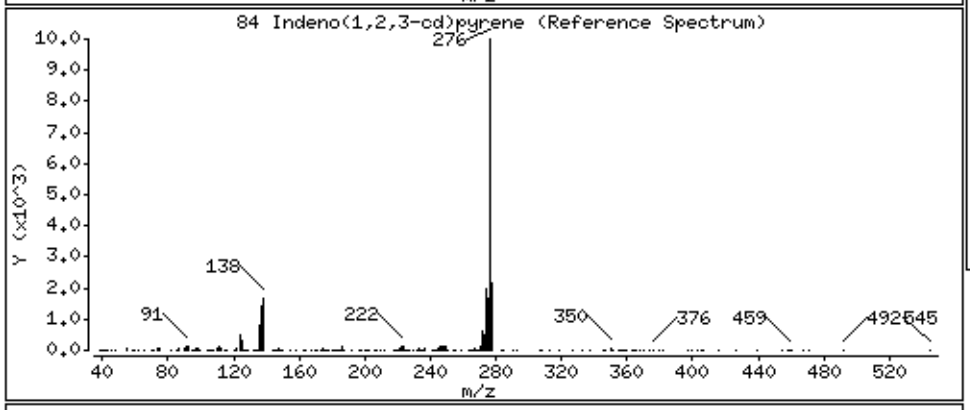
84 Indeno(1,2,3-cd)pyrene Concentration: 480 ug/Kg

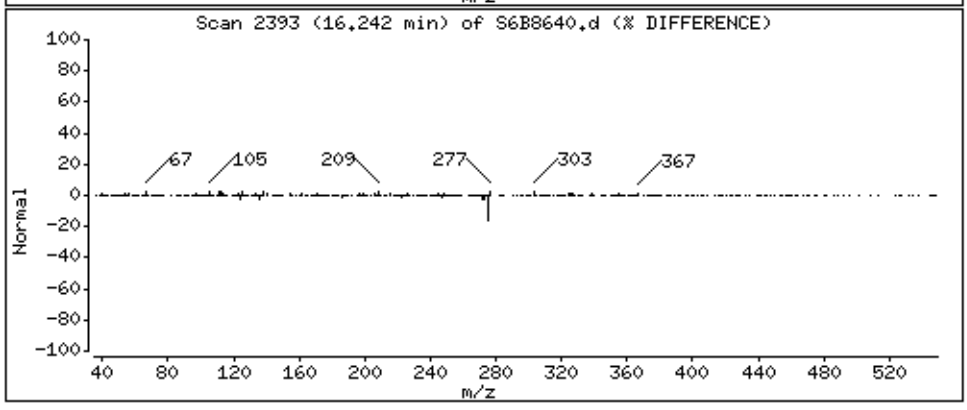












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Date : 17-JUL-2014 20:05

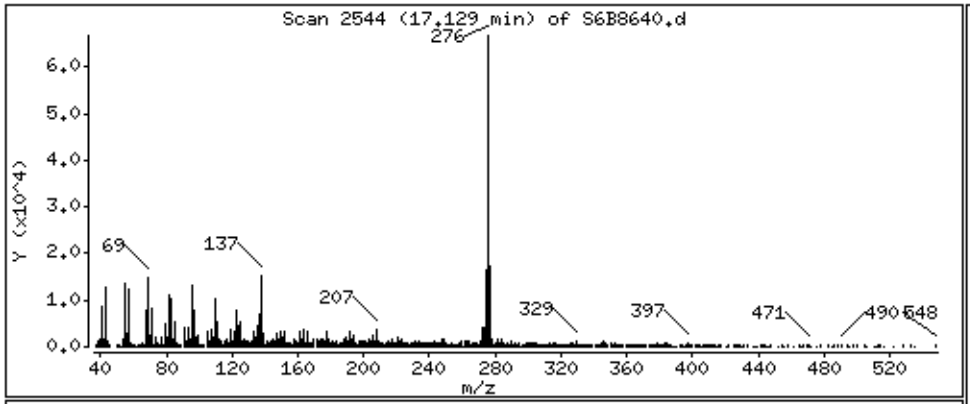
Client ID: SS-21-071014 Instrument: S6.i

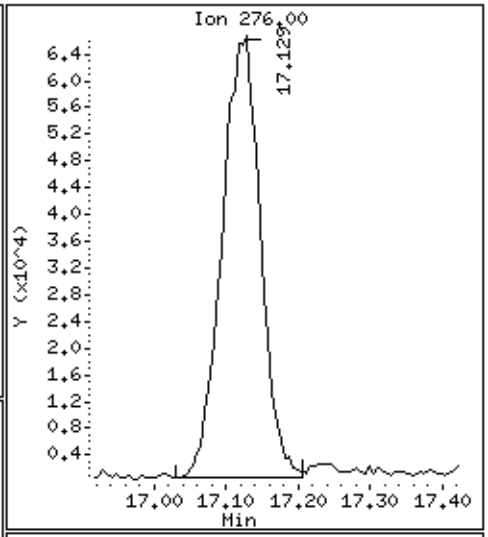
Sample Info: N1194-12A,,78076

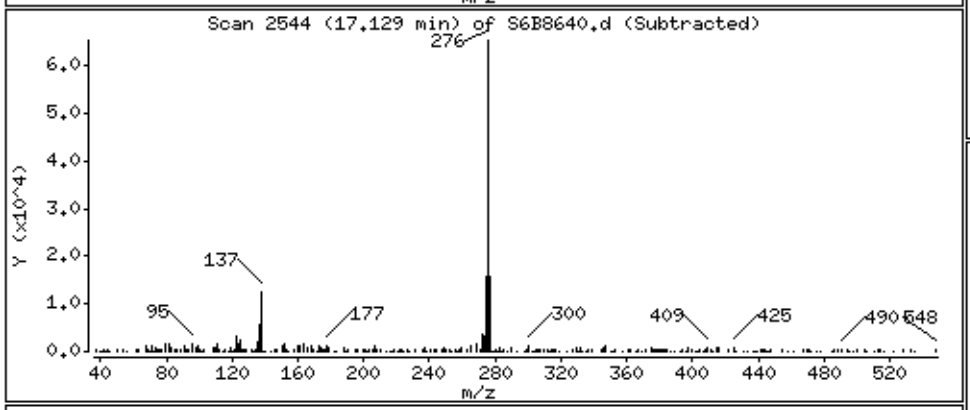
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

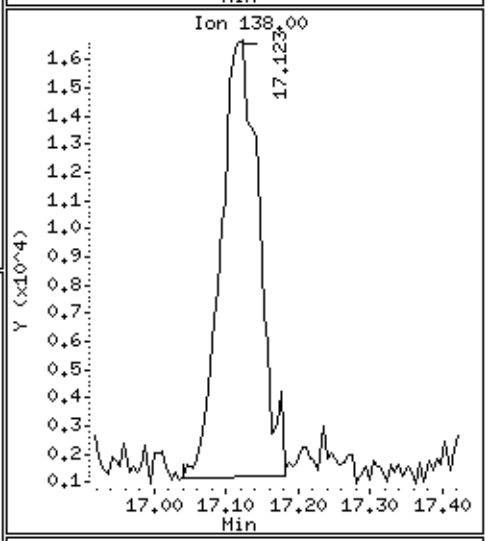
Column phase: Rxi-5Sil MS Column diameter: 0.25

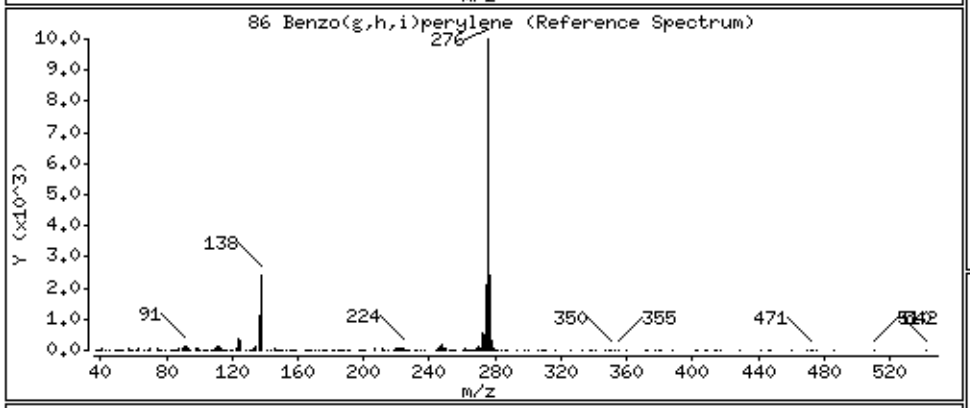
86 Benzo(g,h,i)perylene Concentration: 480 ug/Kg

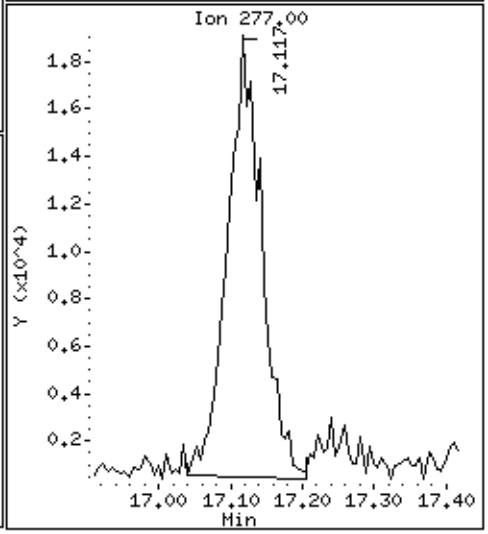


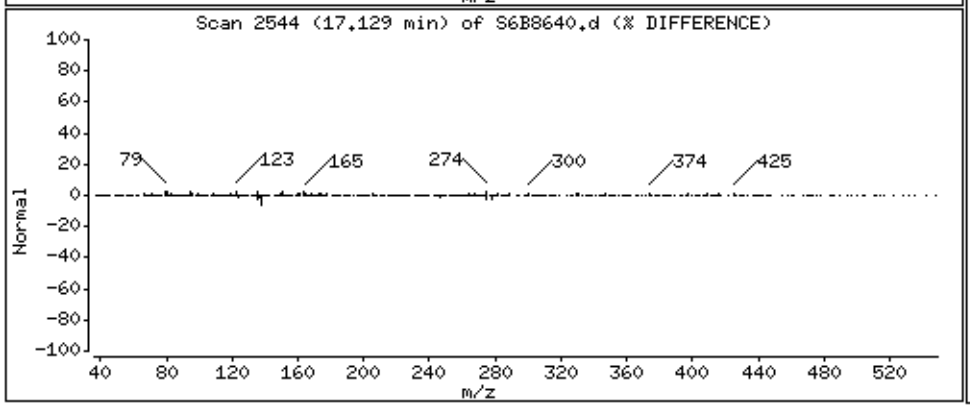












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-22-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-13A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8641.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	100	J
86-73-7	Fluorene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	210	J
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	400	
129-00-0	Pyrene	370	J
56-55-3	Benzo(a)anthracene	350	J
218-01-9	Chrysene	530	
205-99-2	Benzo(b)fluoranthene	940	
207-08-9	Benzo(k)fluoranthene	330	J
50-32-8	Benzo(a)pyrene	690	
193-39-5	Indeno(1,2,3-cd)pyrene	740	
53-70-3	Dibenzo(a,h)anthracene	160	J
191-24-2	Benzo(g,h,i)perylene	700	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8641.d
Report Date: 18-Jul-2014 15:43

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8641.d
Lab Smp Id: N1194-13A Client Smp ID: SS-22-071014
Inj Date : 17-JUL-2014 20:29
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-13A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.200	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

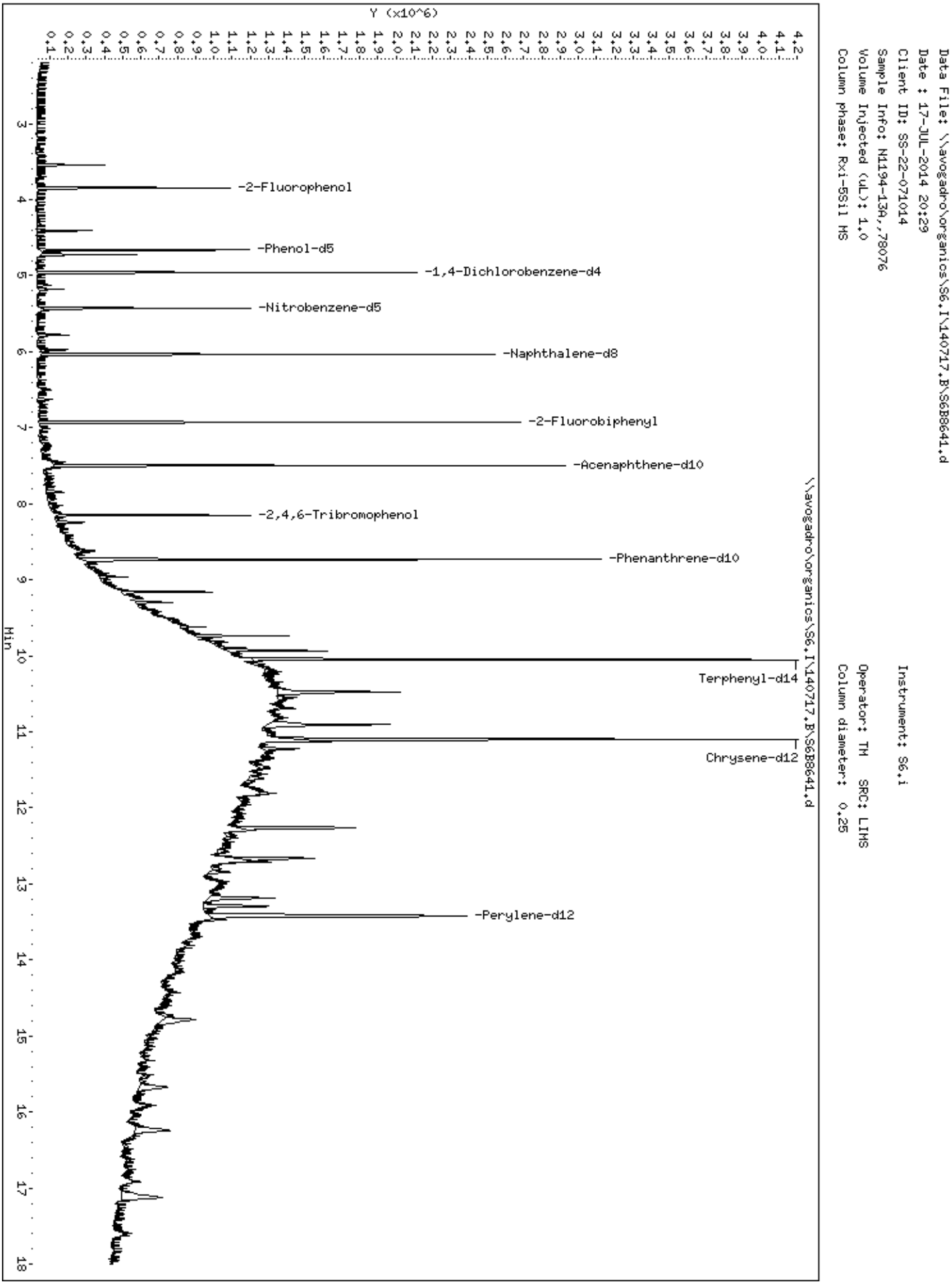
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.850	3.832	(0.776)	275656	31.7555	2100
$	5 Phenol-d5	99	4.660	4.655	(0.940)	330770	29.8479	2000
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	262068	40.0000	
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	327706	36.3361	2400
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	875007	40.0000	
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	689295	36.0055	2400
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	547050	40.0000	
	49 Acenaphthene	153	7.522	7.528	(1.003)	22723	1.36593	90(a)
$	60 2,4,6-Tribromophenol	330	8.151	8.156	(0.933)	84241	35.1917	2300
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1039784	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.002)	75451	2.68728	180(a)
	69 Fluoranthene	202	9.737	9.749	(1.115)	170109	5.29383	350(a)
	71 Pyrene	202	9.931	9.949	(0.895)	182020	4.85218	320(a)
$	72 Terphenyl-d14	244	10.048	10.060	(0.905)	820595	33.6794	2200
	75 Benzo(a)anthracene	228	11.082	11.112	(0.998)	157494	4.52882	300(aH)
*	76 Chrysene-d12	240	11.100	11.130	(1.000)	1217988	40.0000	
	77 Chrysene	228	11.129	11.159	(1.003)	221401	6.93669	460(a)
	80 Benzo(b)fluoranthene	252	12.663	12.692	(0.944)	449533	12.2791	810(H)
	81 Benzo(k)fluoranthene	252	12.704	12.745	(0.947)	159991	4.30415	280(a)

Data File: \\avogadro\organics\S6.I\140717.B\S6B8641.d
Report Date: 18-Jul-2014 15:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
82	Benzo(a)pyrene	252	13.292	13.327	(0.990)	317536	9.09102	600(a)
* 83	Perylene-d12	264	13.421	13.450	(1.000)	1245223	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.241	16.277	(1.210)	293571	9.63272	630(a)
85	Dibenzo(a,h)anthracene	278	16.318	16.376	(1.216)	62481	2.10717	140(a)
86	Benzo(g,h,i)perylene	276	17.123	17.170	(1.276)	287223	9.12603	600(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: \\avogadro\organics\S6,I\140717,B\S6B8641.d
Date : 17-JUL-2014 20:29
Client ID: SS-22-071014
Sample Info: N1194-13A,,78076
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS
Instrument: S6,i
Operator: TM SRC: LIMS
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
Terphenyl-d14
Chrysene-d12
-Perylene-d12
\\avogadro\organics\S6,I\140717,B\S6B8641.d

Data File: \\avogadro\organics\S6.I\140717.B\S6B8641.d

Date : 17-JUL-2014 20:29

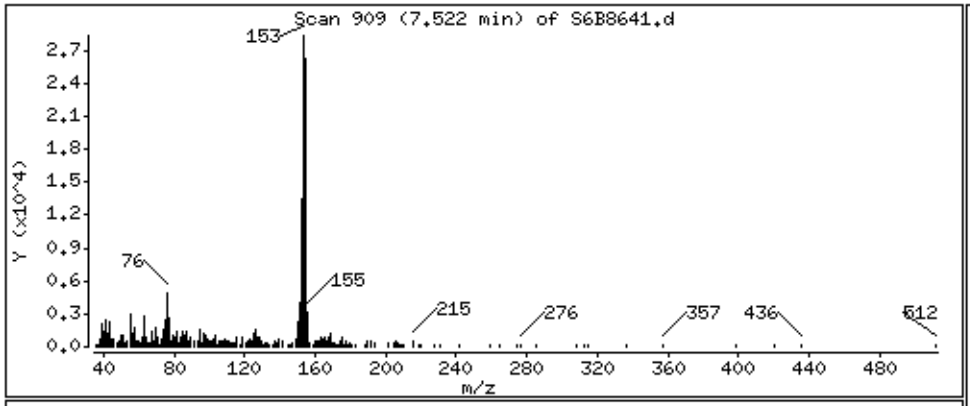
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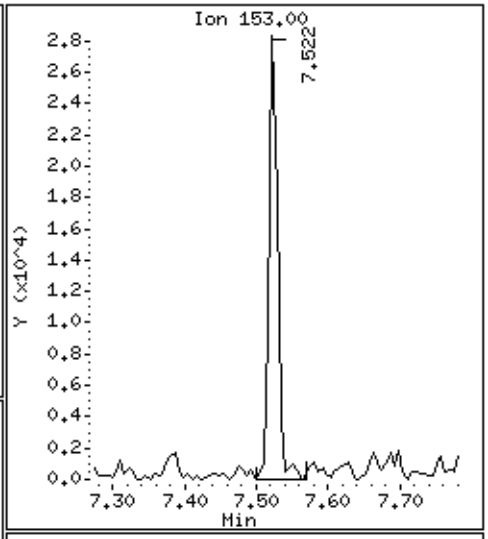
Sample Info: N1194-13A,,78076

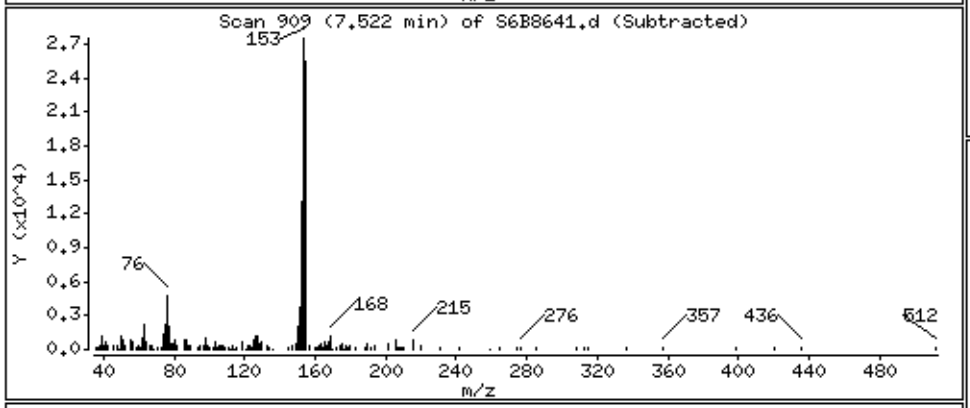
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

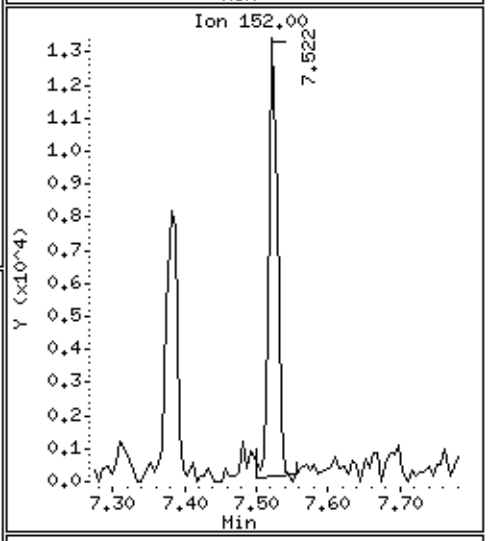
Column phase: Rxi-5Sil MS Column diameter: 0.25

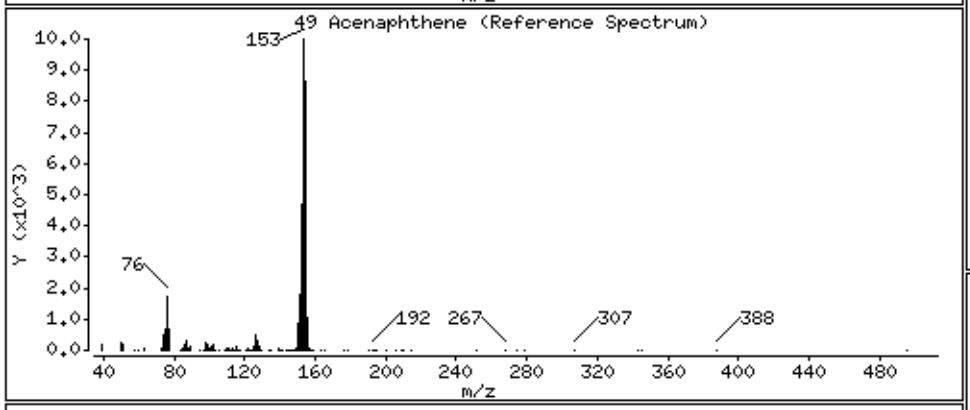
49 Acenaphthene Concentration: 90 ug/Kg

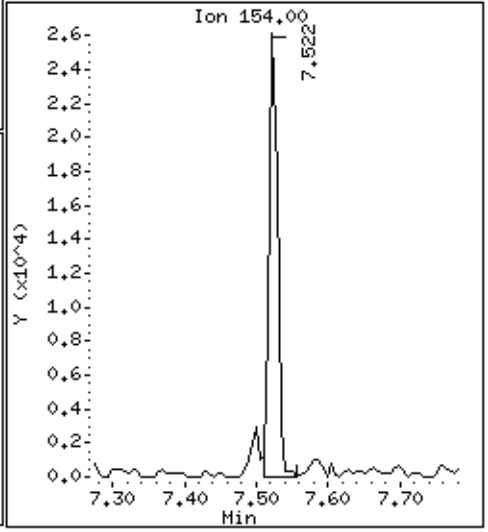


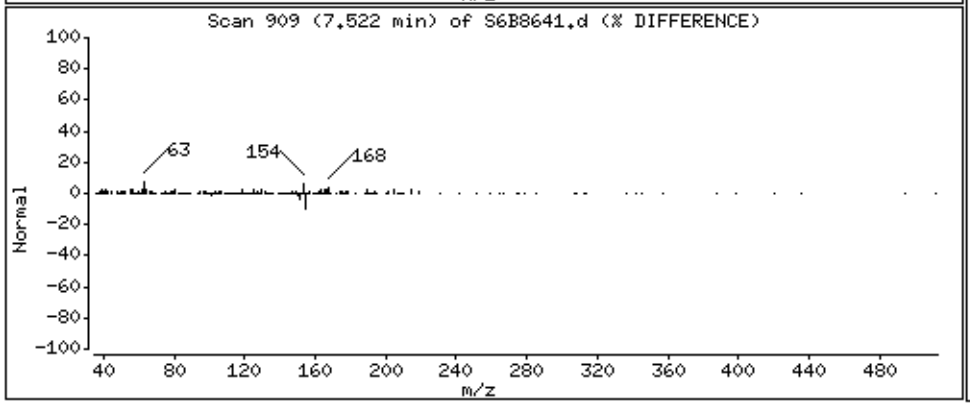












Data File: \\avogadro\organics\S6.I\140717.B\S6B8641.d

Date : 17-JUL-2014 20:29

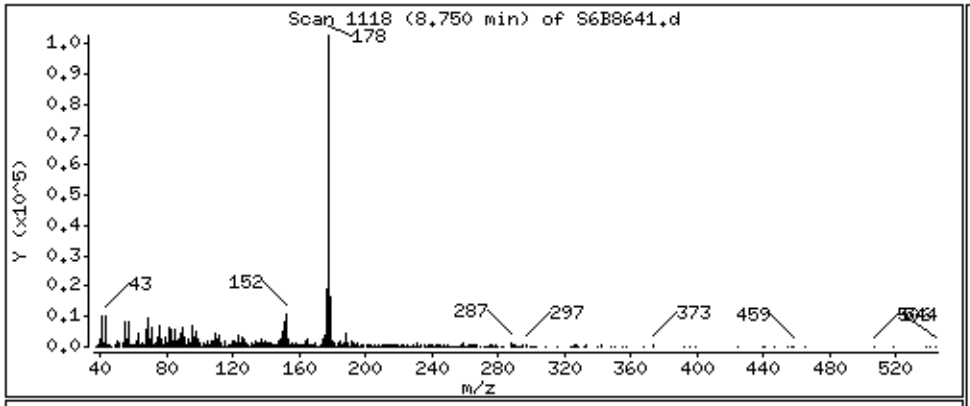
Client ID: SS-22-071014 Instrument: S6.i

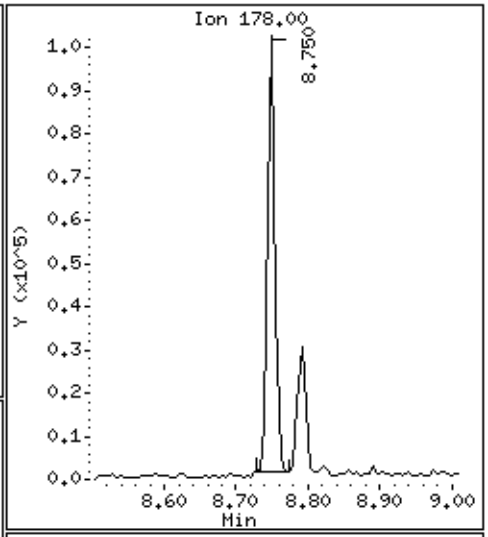
Sample Info: N1194-13A,,78076

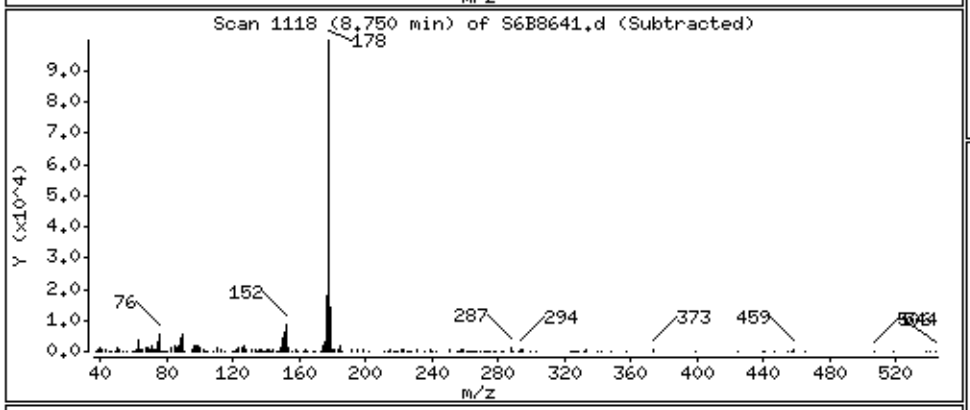
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

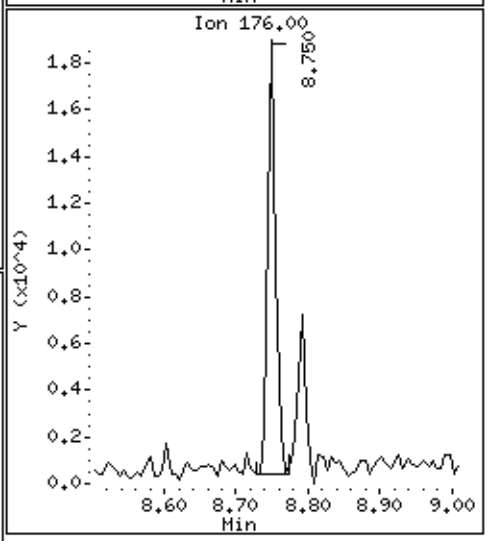
Column phase: Rxi-5Sil MS Column diameter: 0.25

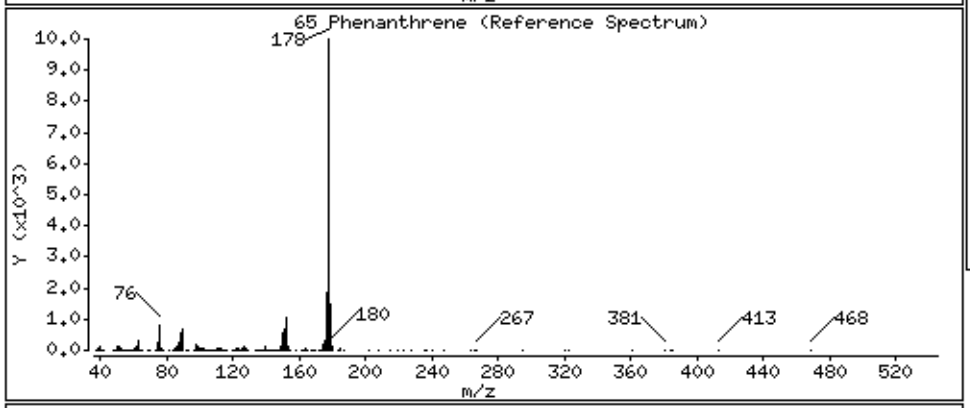
65 Phenanthrene Concentration: 180 ug/Kg

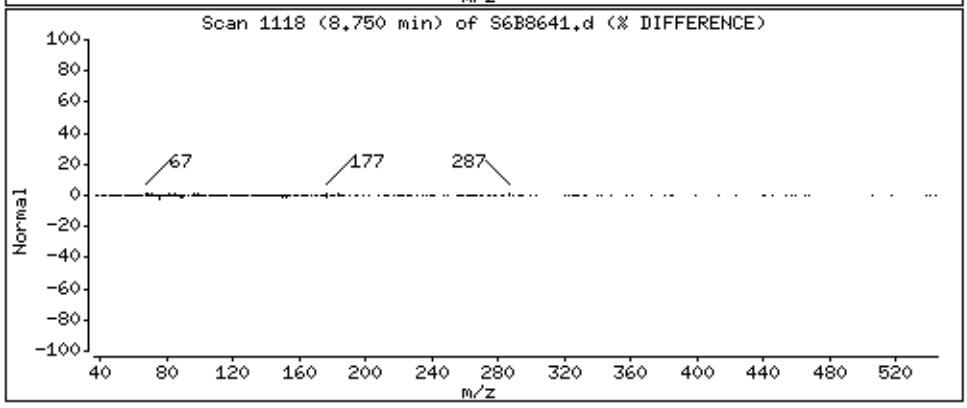












Data File: \\avogadro\organics\S6.I\140717.B\S6B8641.d

Date : 17-JUL-2014 20:29

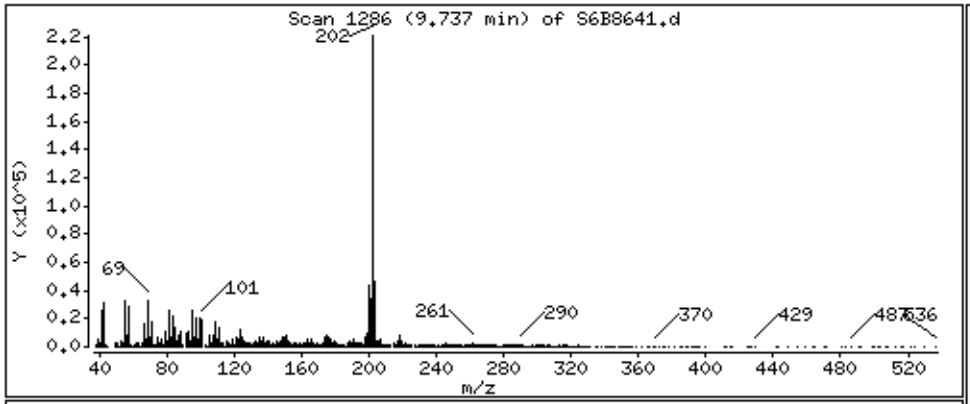
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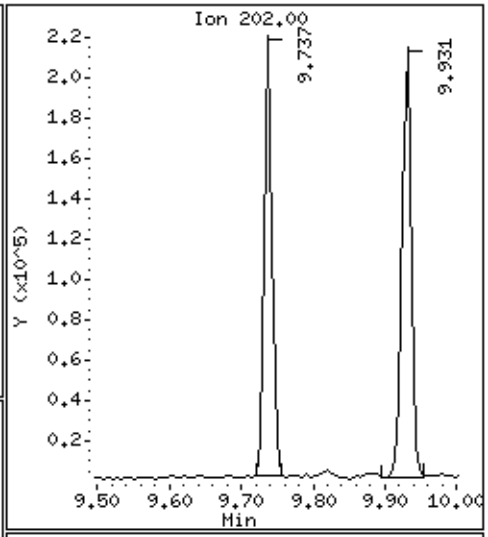
Sample Info: N1194-13A,,78076

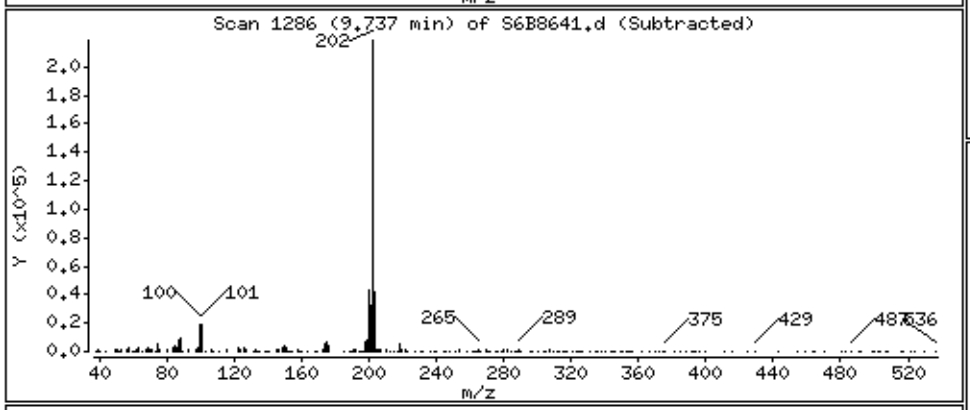
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

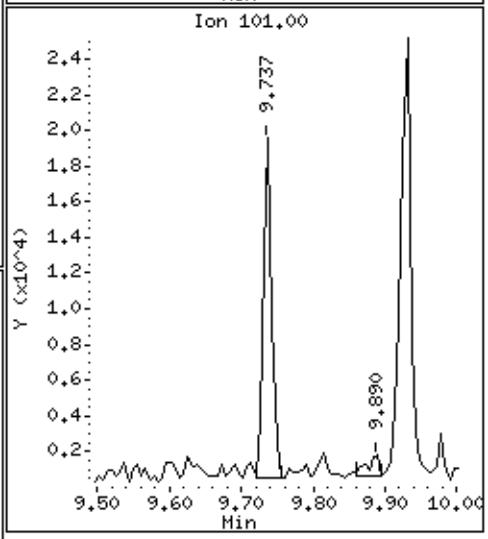
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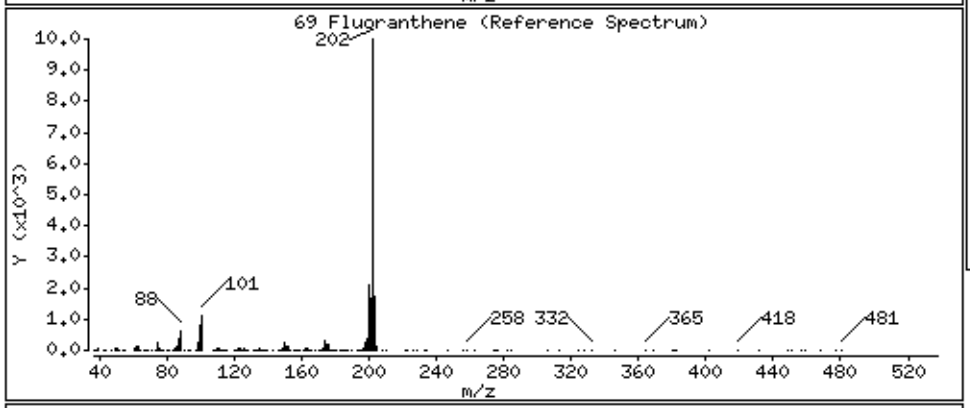
69 Fluoranthene Concentration: 350 ug/Kg

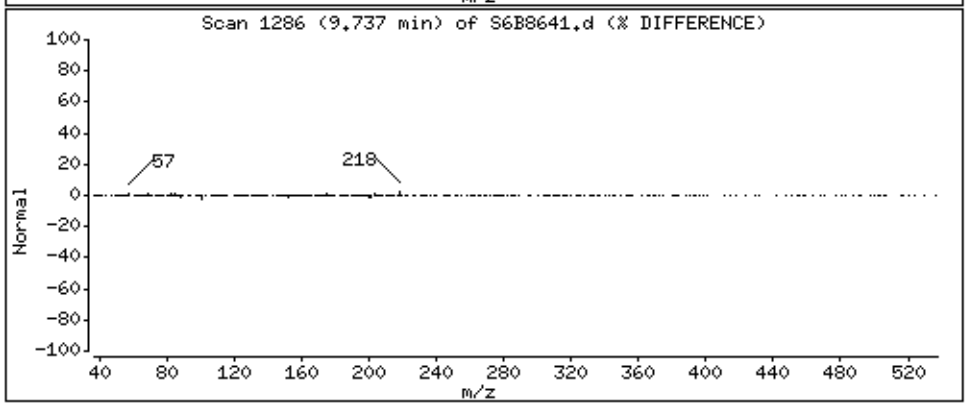












Data File: \\avogadro\organics\S6.I\140717.B\S6B8641.d

Date : 17-JUL-2014 20:29

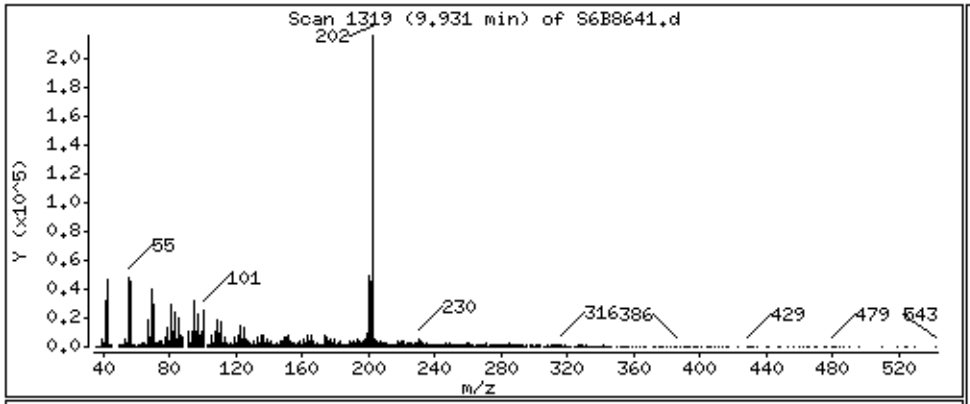
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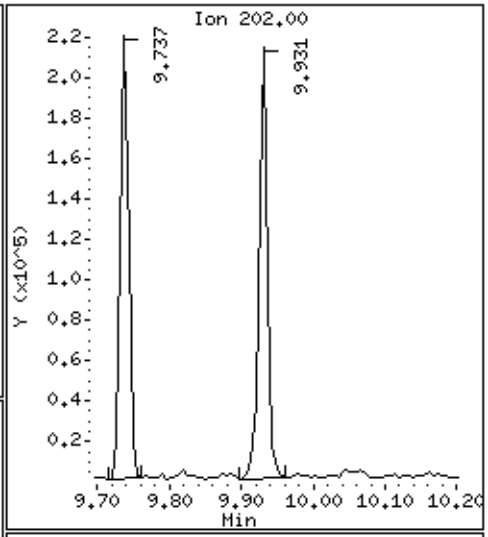
Sample Info: N1194-13A,,78076

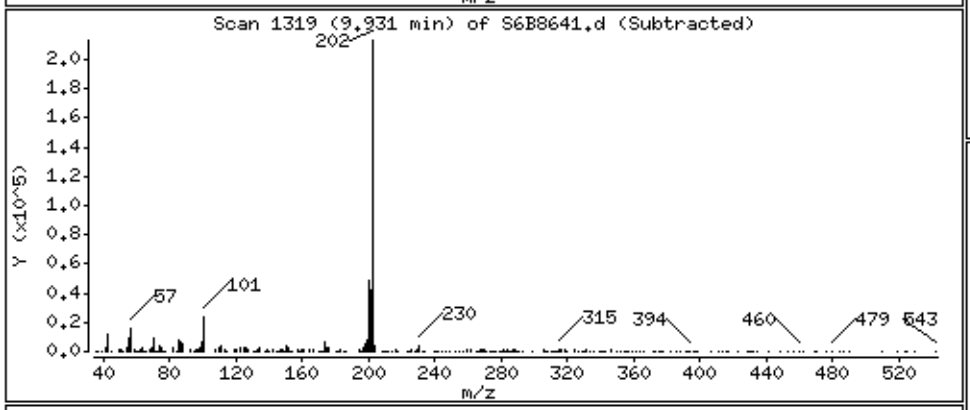
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

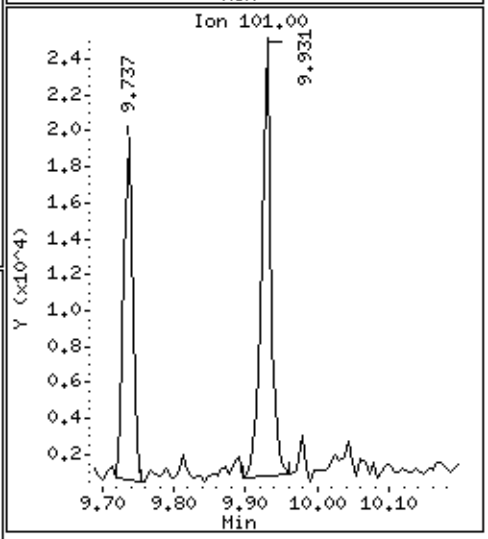
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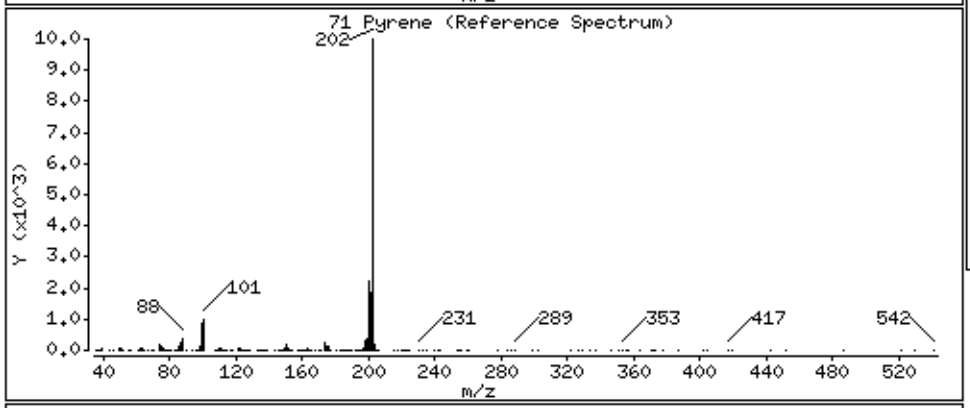
71 Pyrene Concentration: 320 ug/Kg

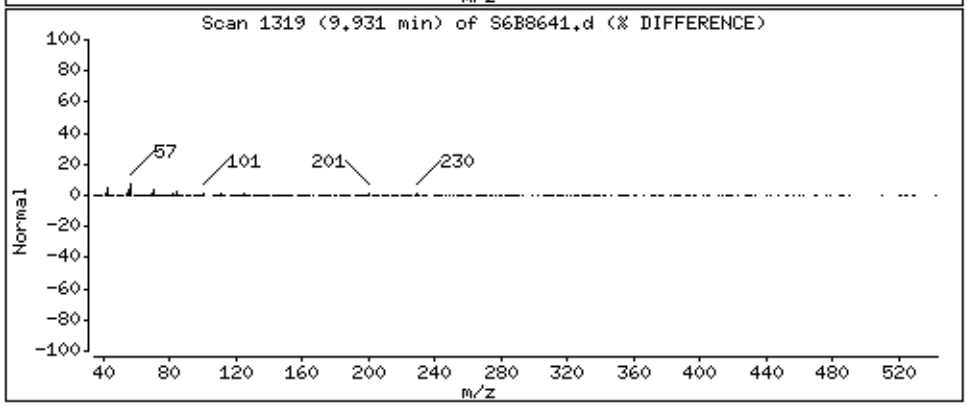












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Date : 17-JUL-2014 20:29

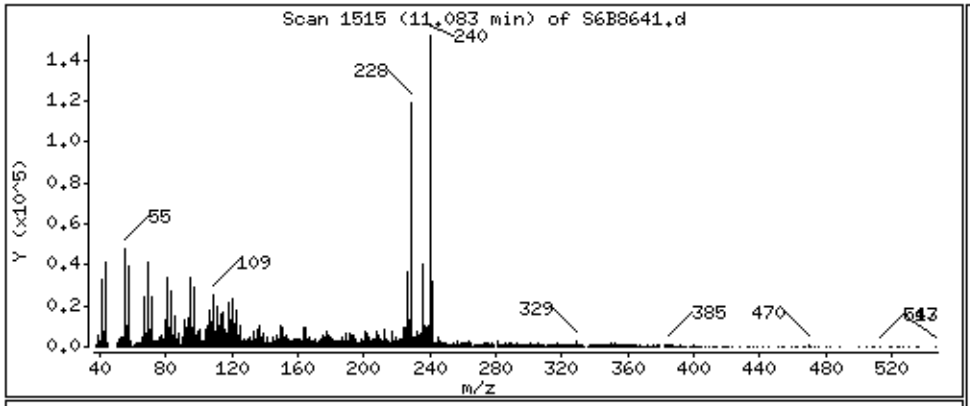
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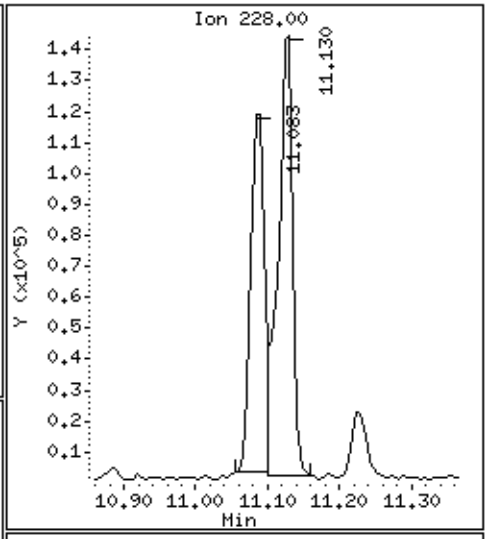
Sample Info: N1194-13A,,78076

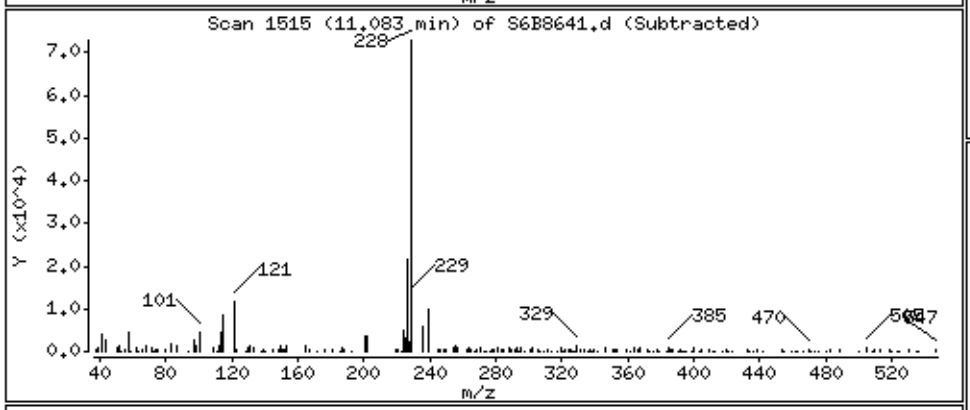
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

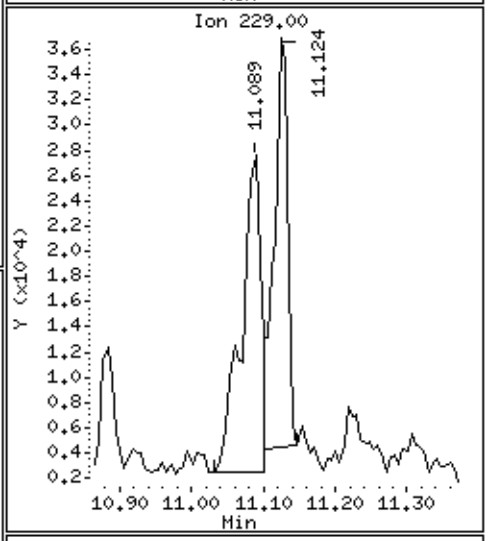
Column phase: Rxi-5Sil MS Column diameter: 0.25

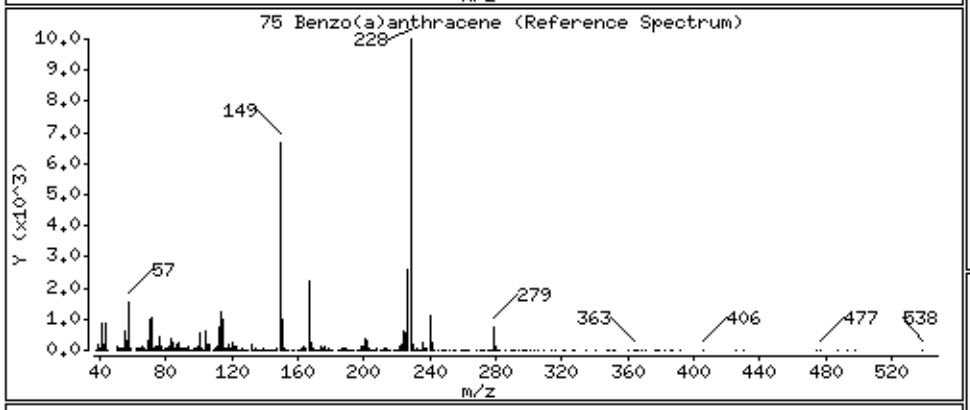
75 Benzo(a)anthracene Concentration: 300 ug/Kg

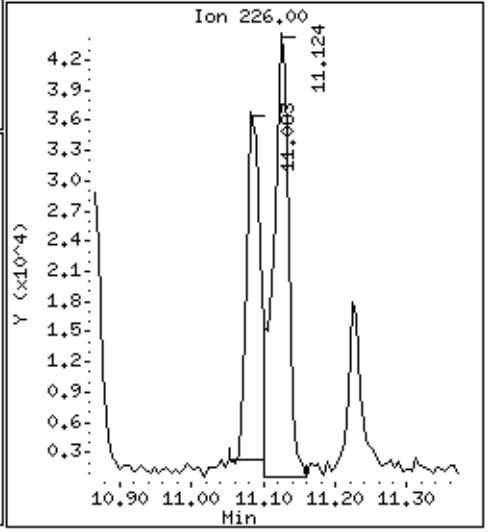


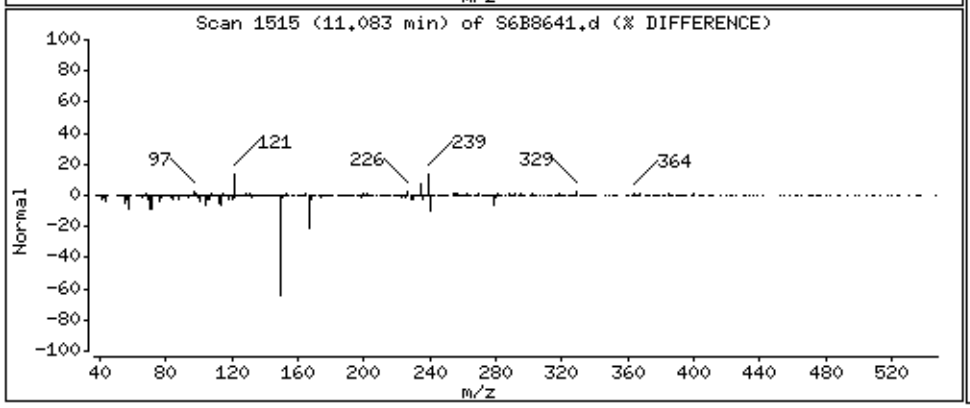












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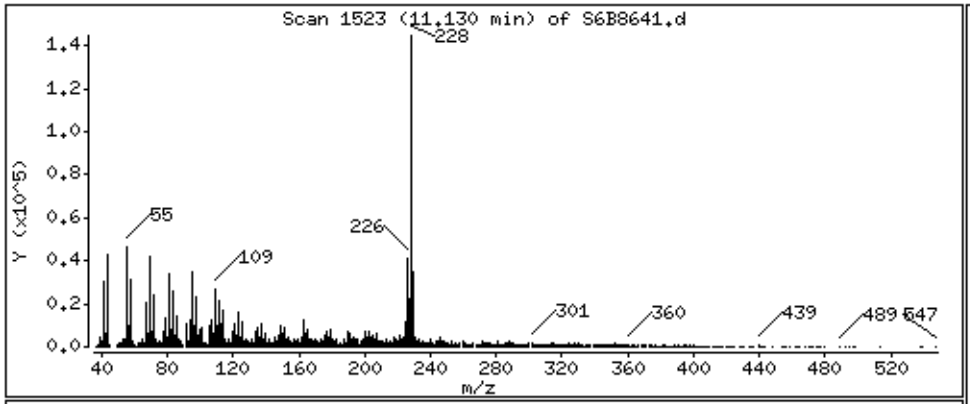
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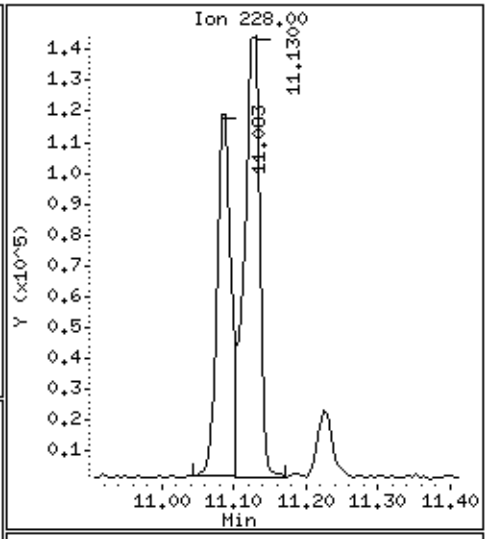
Sample Info: N1194-13A,,78076

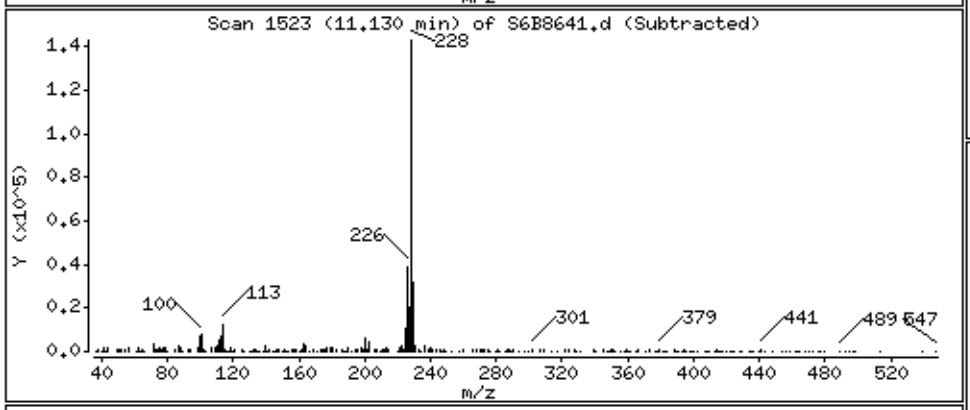
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

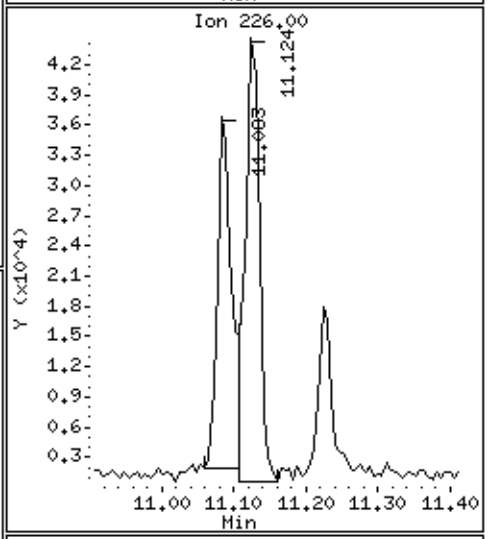
Column phase: Rxi-5Sil MS Column diameter: 0.25

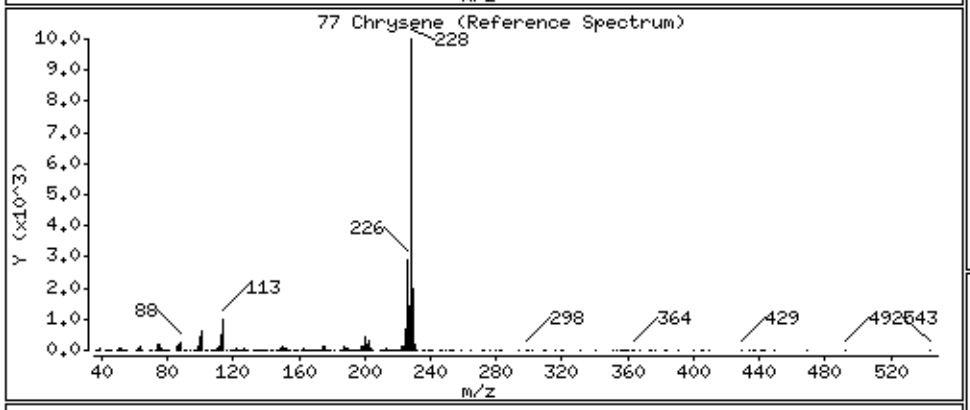
77 Chrysene Concentration: 460 ug/Kg

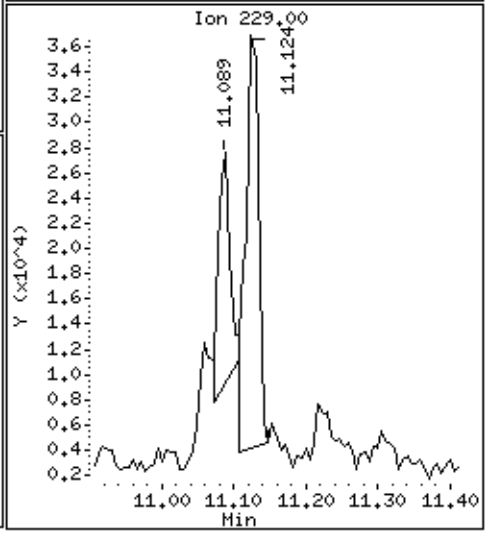


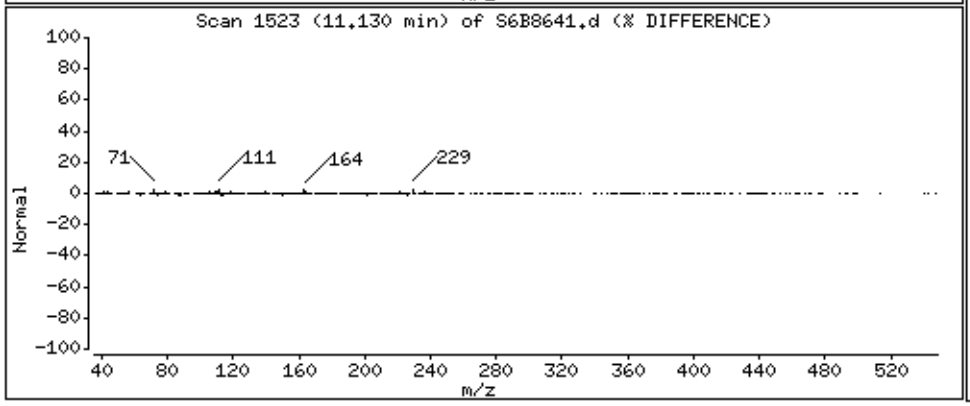












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Date : 17-JUL-2014 20:29

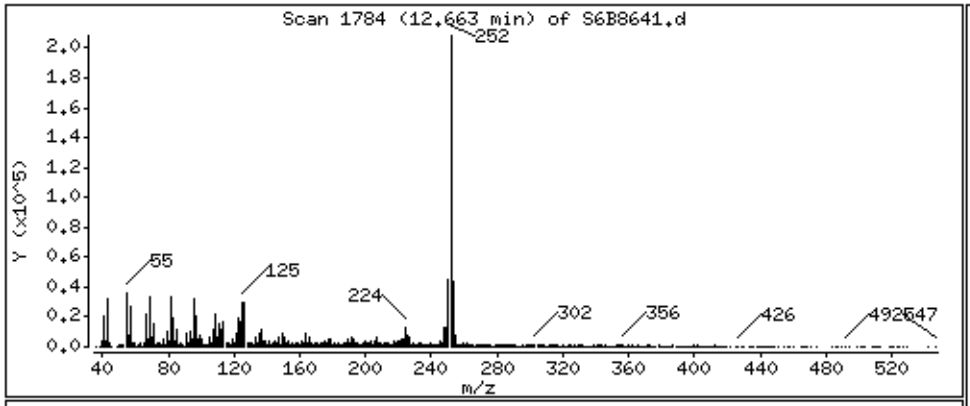
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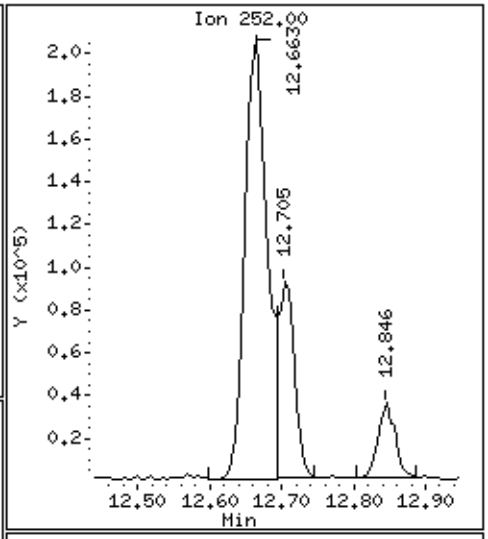
Sample Info: N1194-13A,,78076

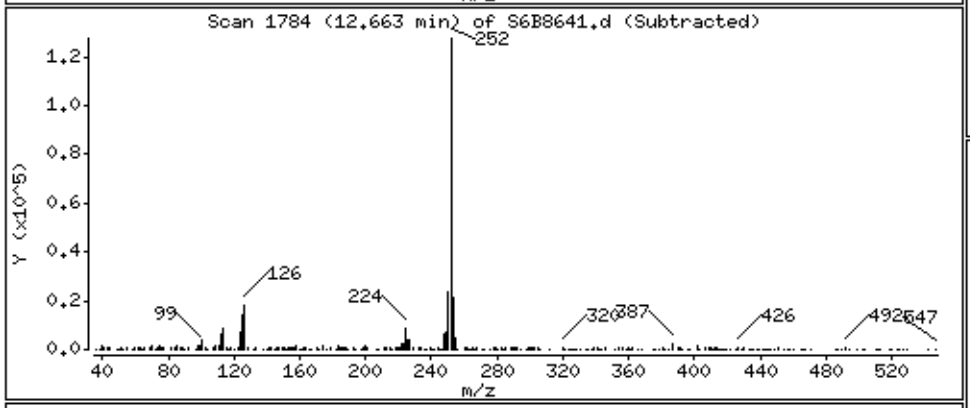
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

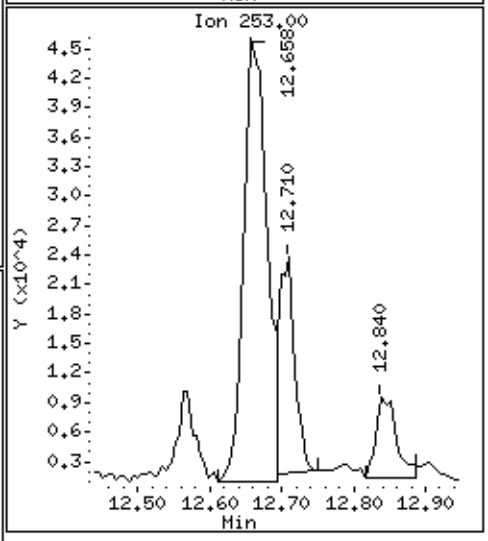
Column phase: Rxi-5Sil MS Column diameter: 0.25

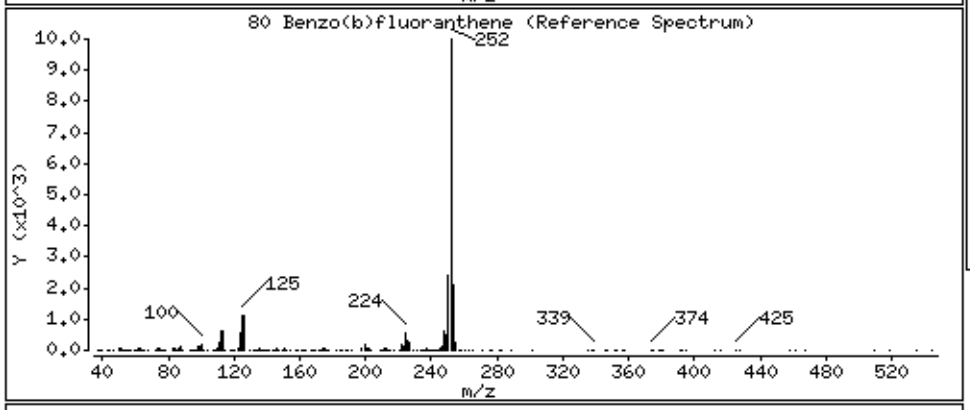
80 Benzo(b)fluoranthene Concentration: 810 ug/Kg

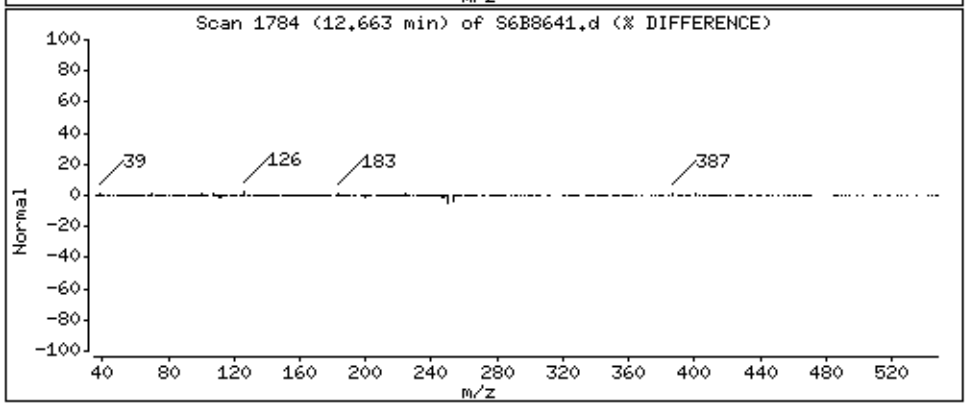












Data File: \\avogadro\organics\S6.I\140717.B\S6B8641.d

Date : 17-JUL-2014 20:29

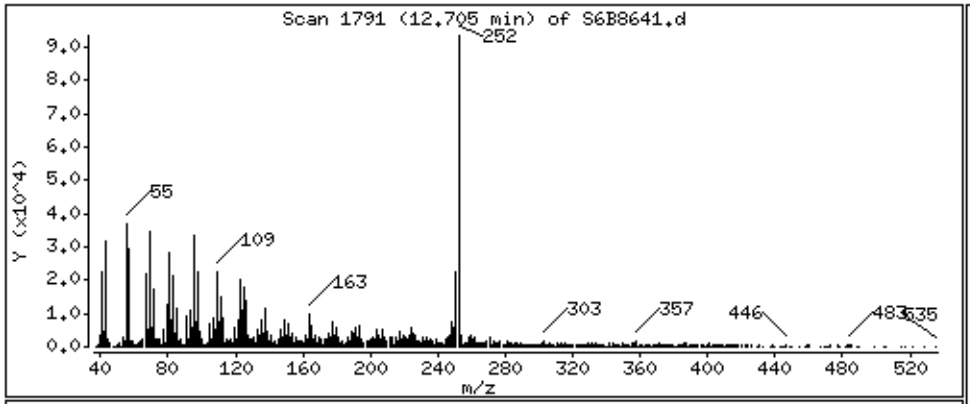
Client ID: SS-22-071014 Instrument: S6.i

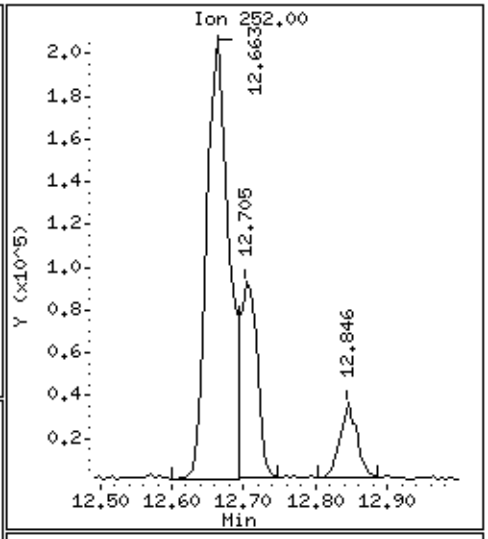
Sample Info: N1194-13A,,78076

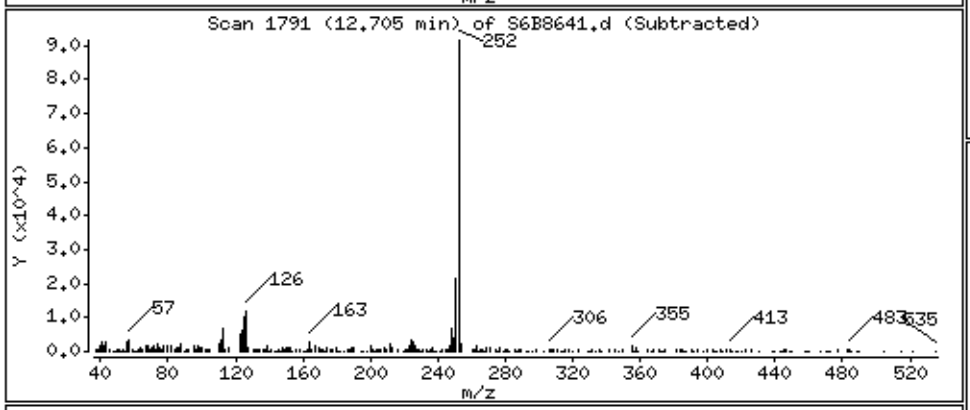
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

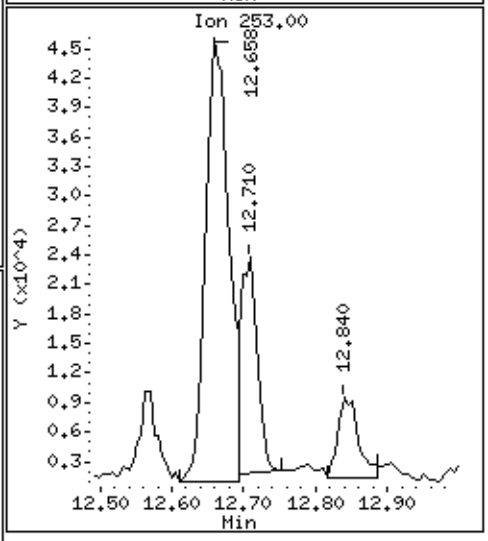
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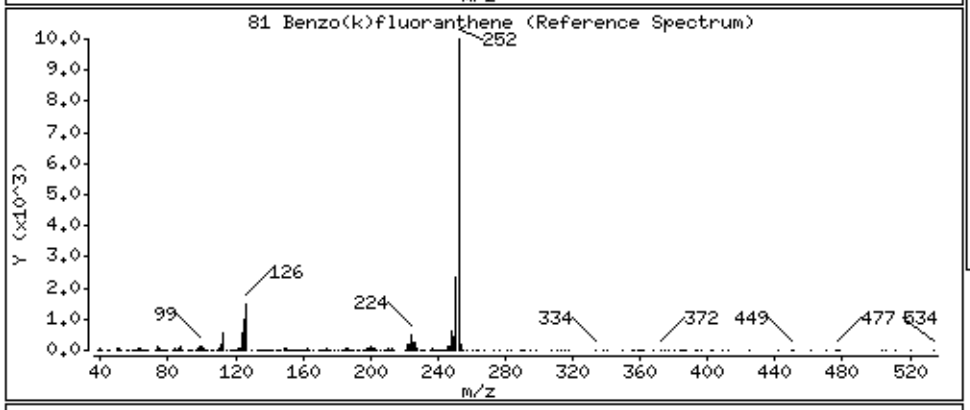
81 Benzo(k)fluoranthene Concentration: 280 ug/Kg

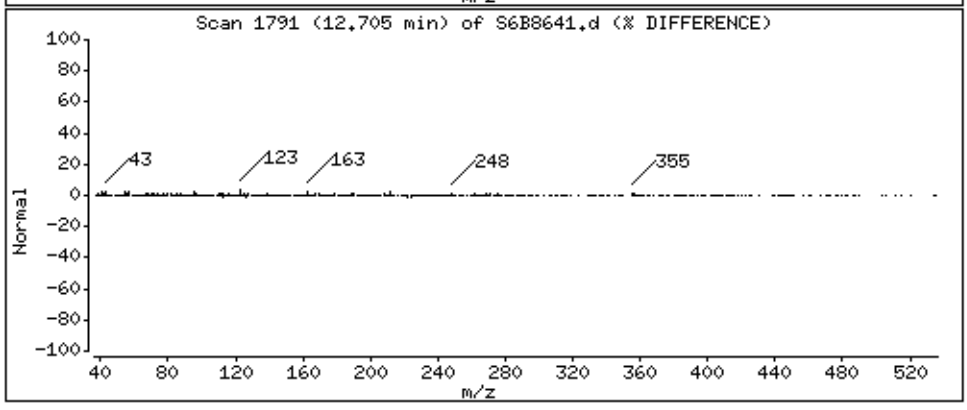












Data File: \\avogadro\organics\S6.I\140717.B\S6B8641.d

Date : 17-JUL-2014 20:29

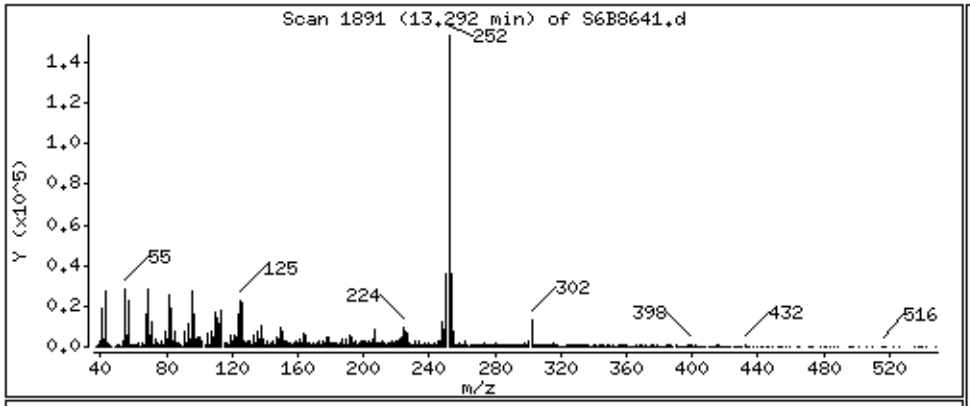
Client ID: SS-22-071014 Instrument: S6.i

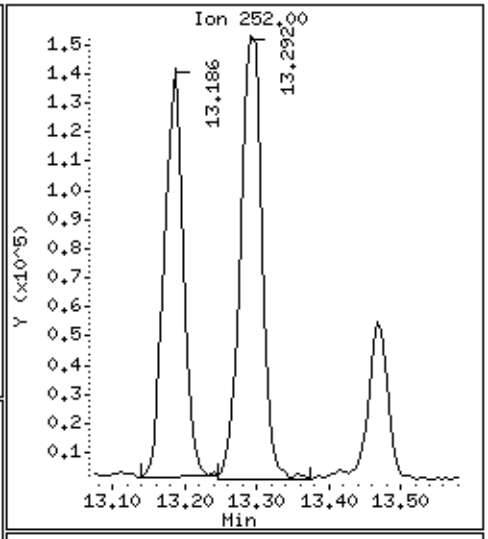
Sample Info: N1194-13A,,78076

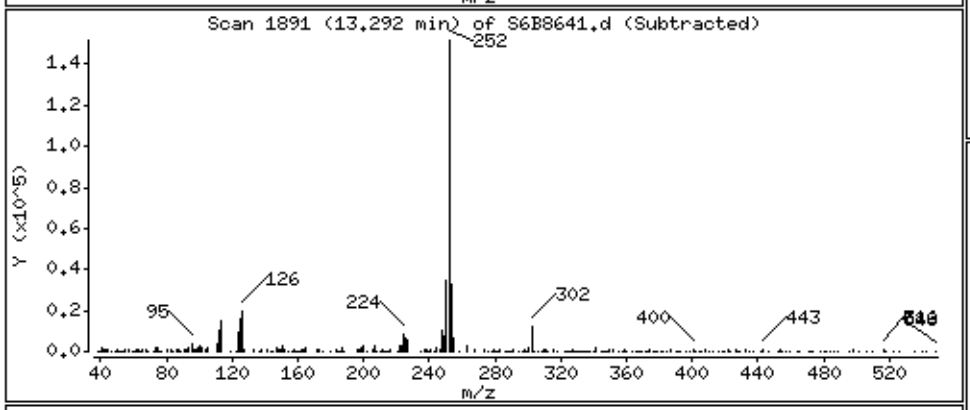
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

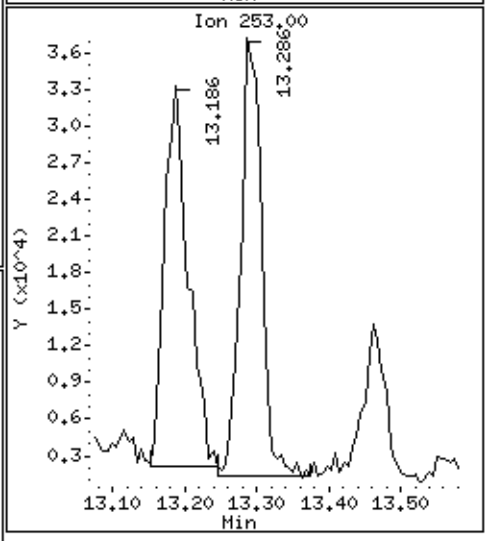
Column phase: Rxi-5Sil MS Column diameter: 0.25

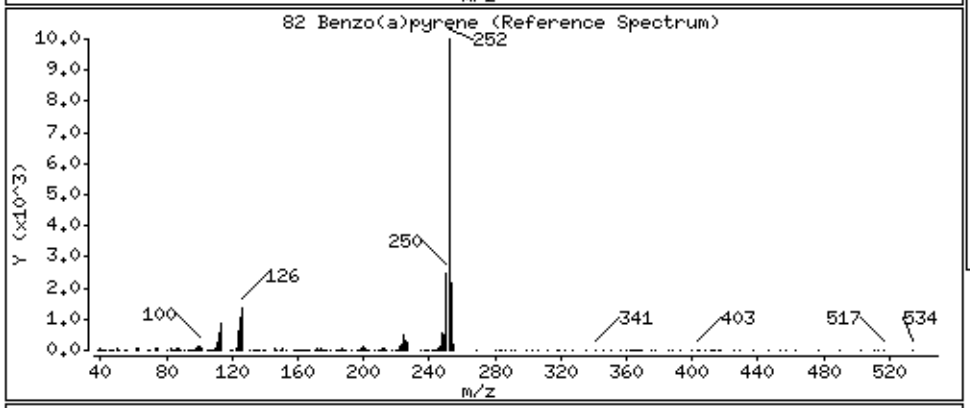
82 Benzo(a)pyrene Concentration: 600 ug/Kg

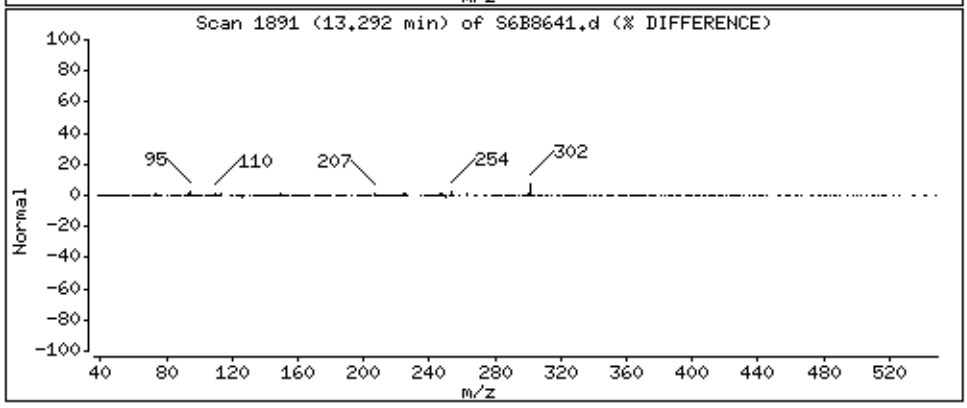












Data File: \\avogadro\organics\S6.I\140717.B\S6B8641.d

Date : 17-JUL-2014 20:29

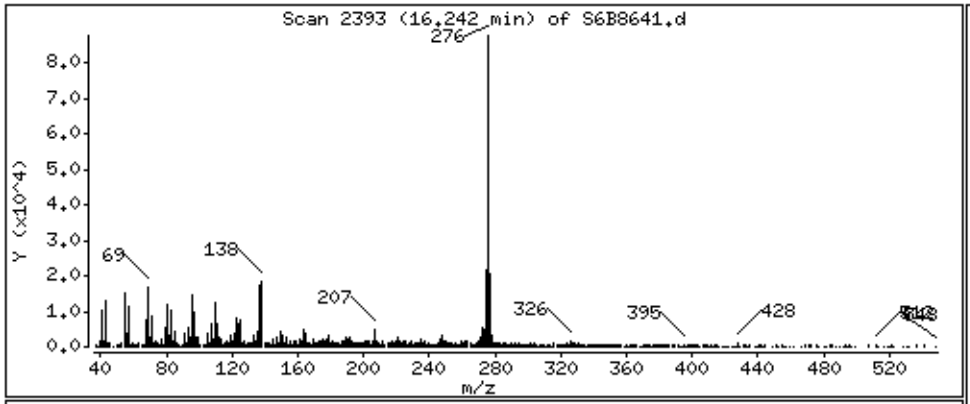
Client ID: SS-22-071014 Instrument: S6.i

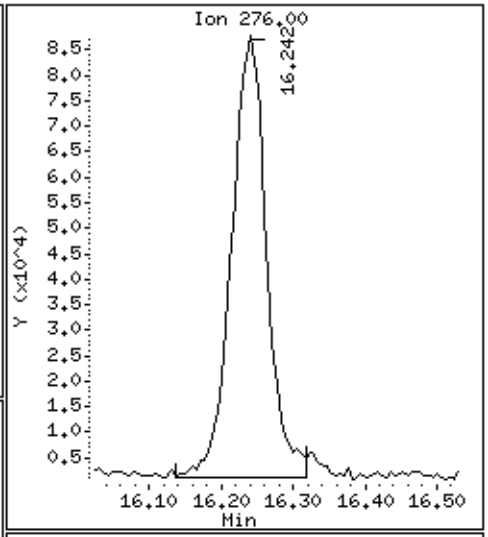
Sample Info: N1194-13A,,78076

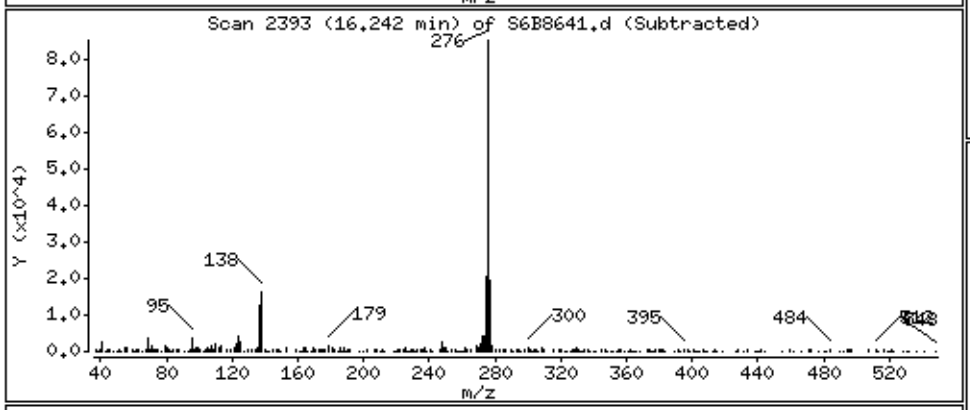
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

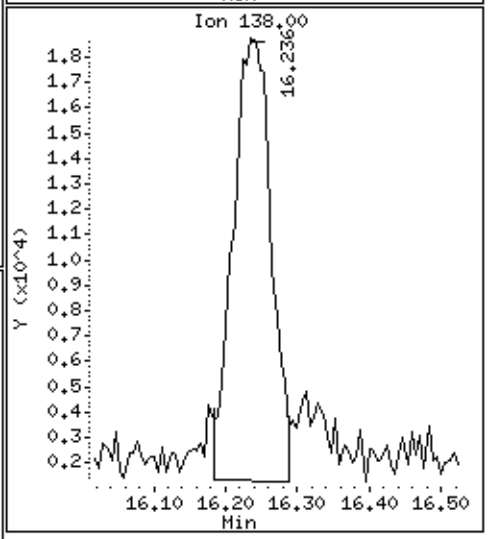
Column phase: Rxi-5Sil MS Column diameter: 0.25

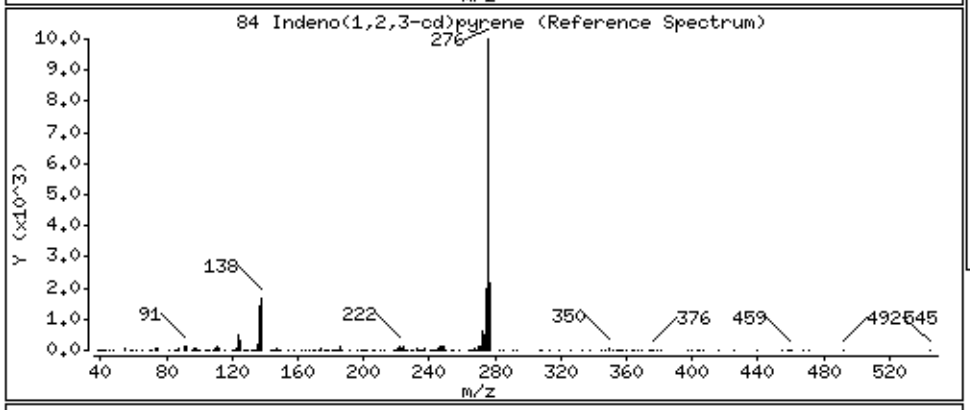
84 Indeno(1,2,3-cd)pyrene Concentration: 630 ug/Kg

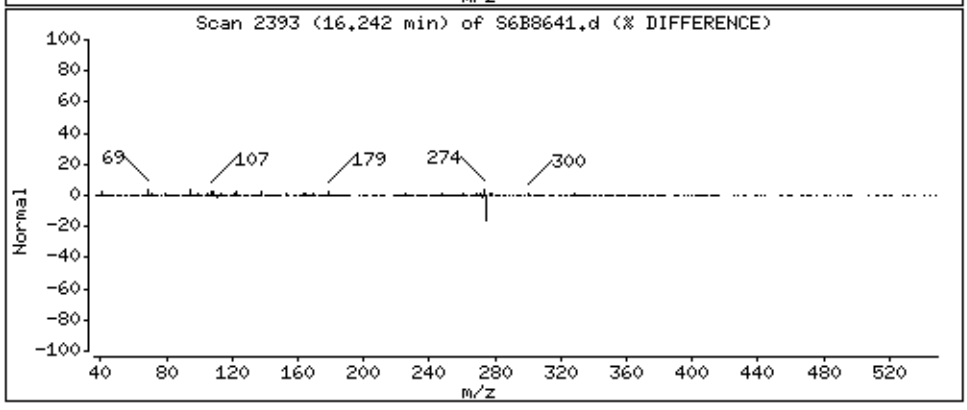












Data File: \\avogadro\organics\S6.I\140717.B\S6B8641.d

Date : 17-JUL-2014 20:29

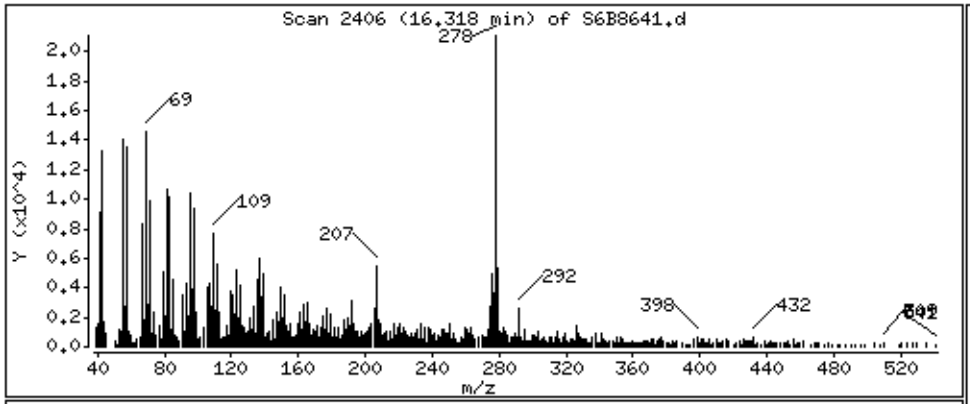
Client ID: SS-22-071014 Instrument: S6.i

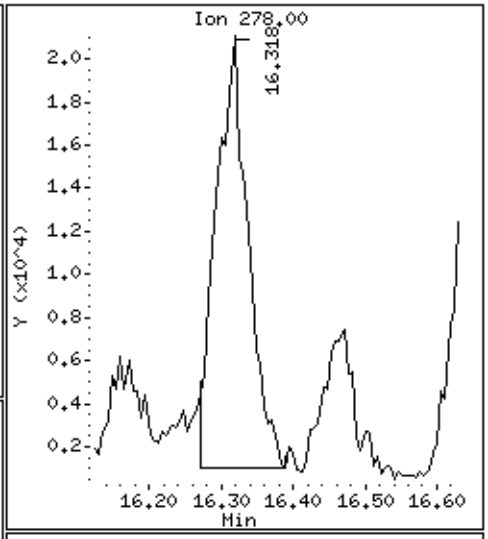
Sample Info: N1194-13A,,78076

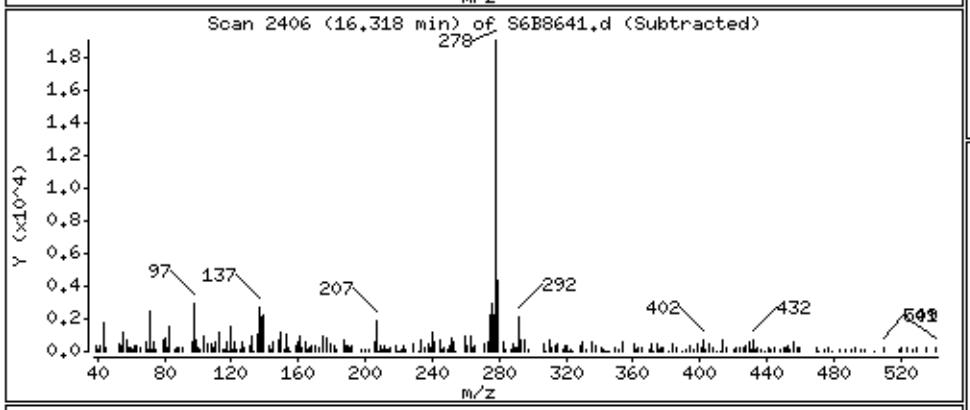
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

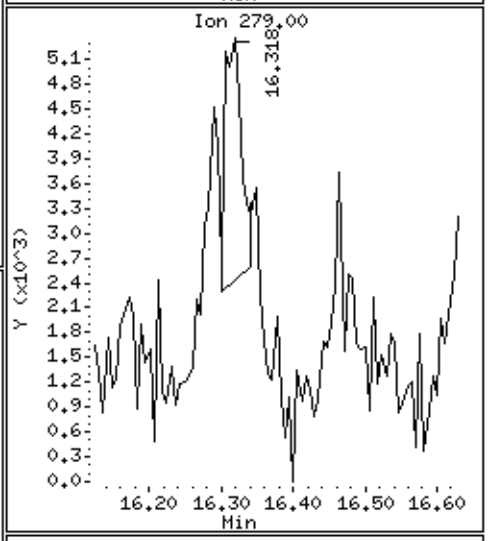
Column phase: Rxi-5Sil MS Column diameter: 0.25

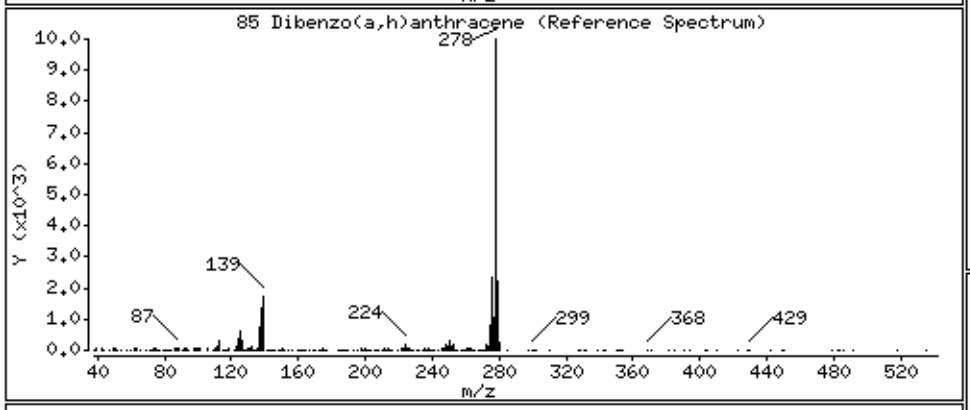
85 Dibenzo(a,h)anthracene Concentration: 140 ug/Kg

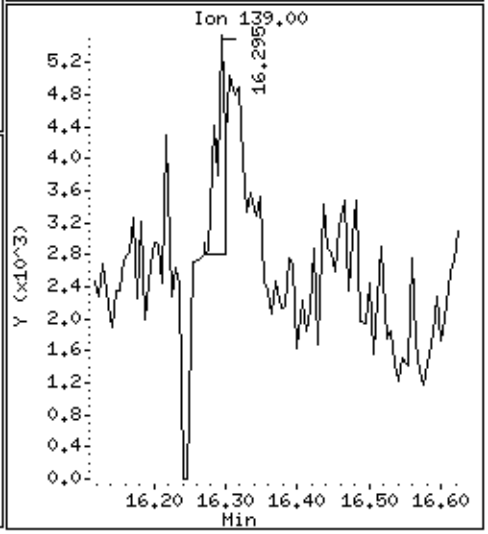


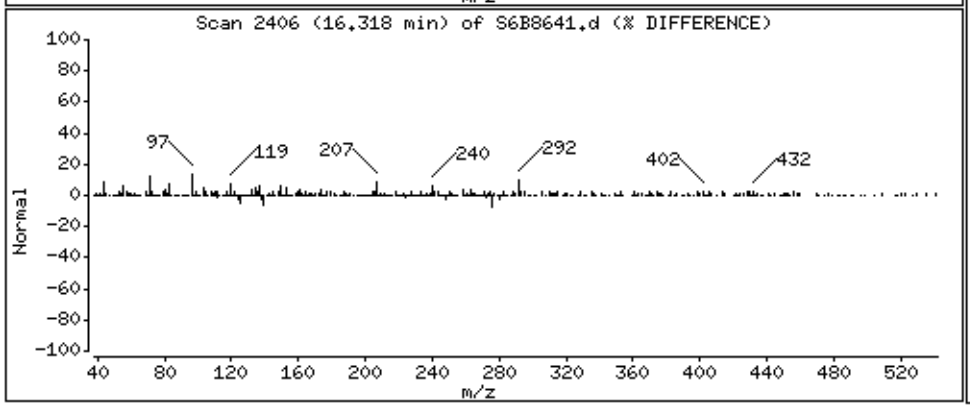












Data File: \\avogadro\organics\S6.I\140717.B\S6B8641.d

Date : 17-JUL-2014 20:29

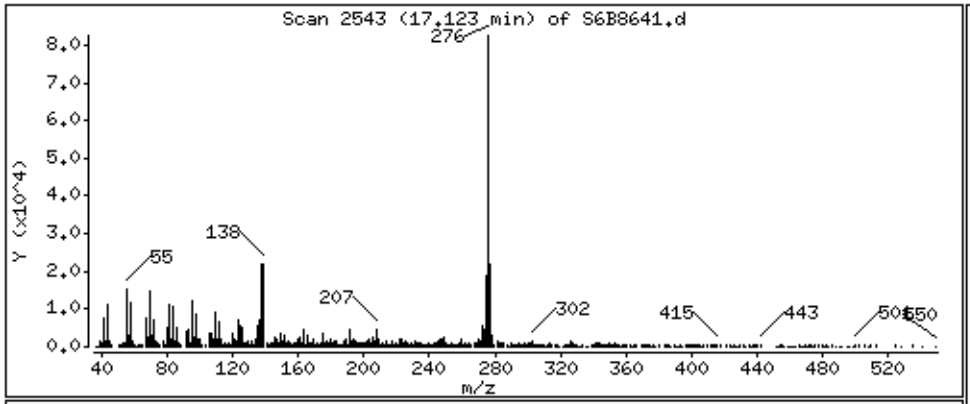
Client ID: SS-22-071014 Instrument: S6.i

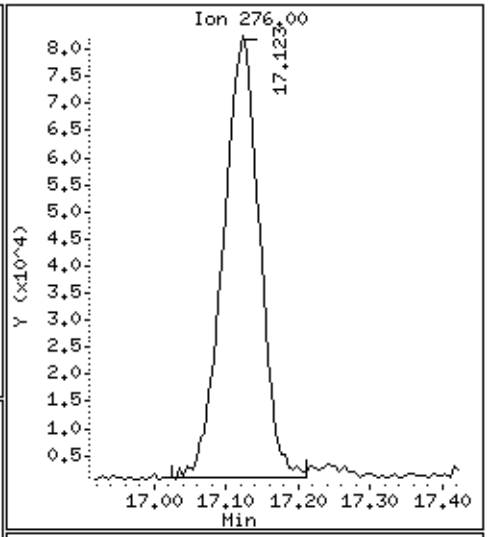
Sample Info: N1194-13A,,78076

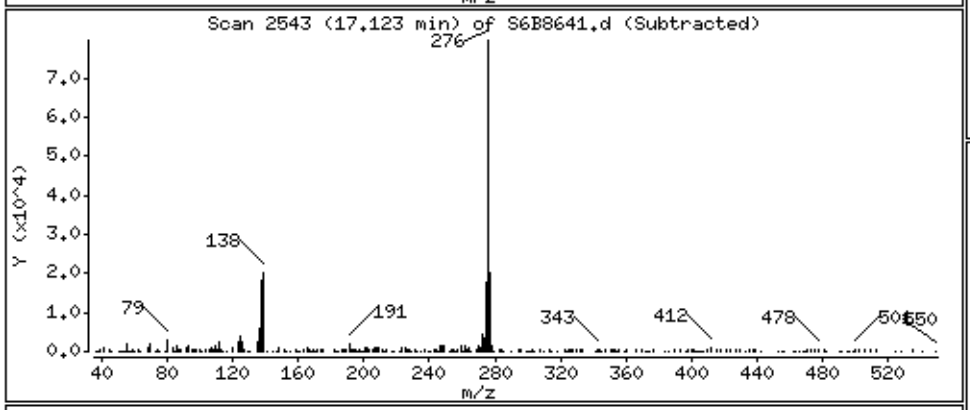
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

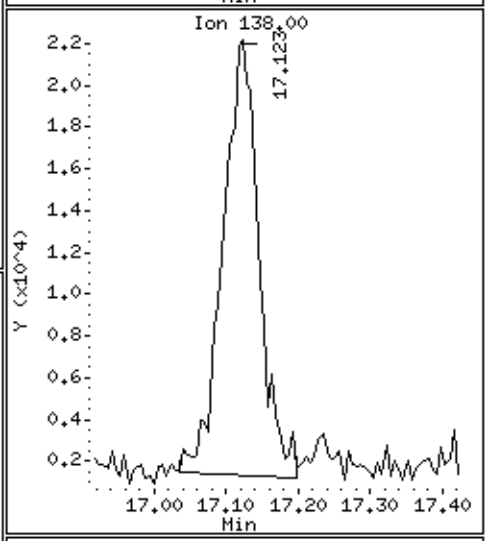
Column phase: Rxi-5Sil MS Column diameter: 0.25

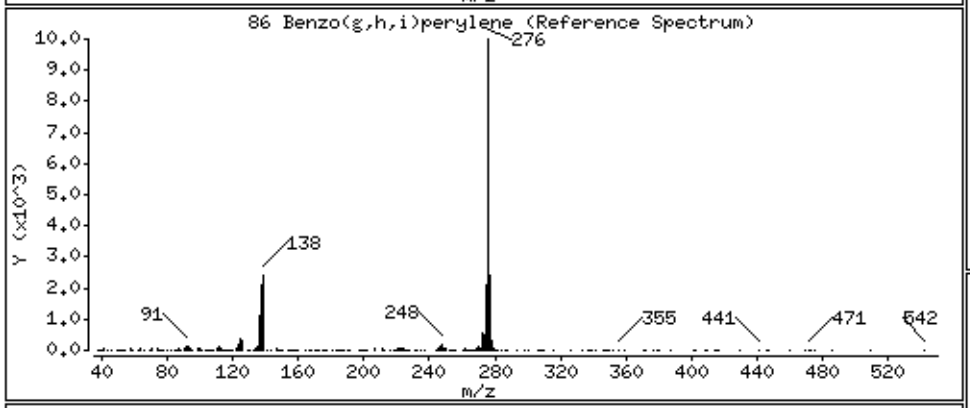
86 Benzo(g,h,i)perylene Concentration: 600 ug/Kg

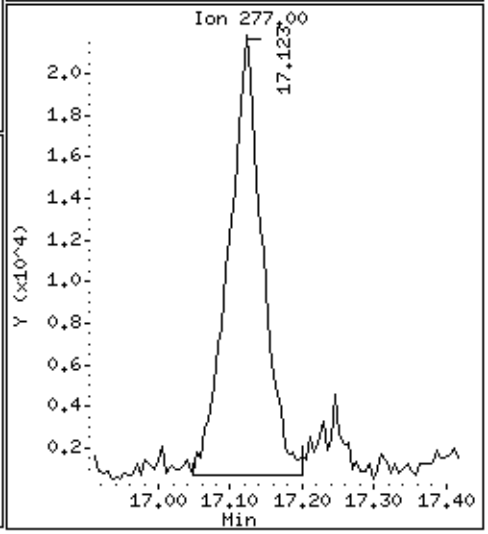


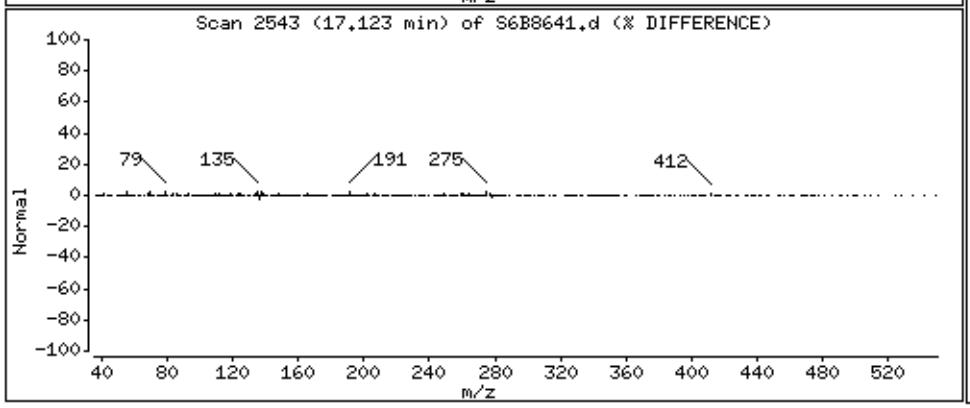












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-23-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-14A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S6B8642.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
86-73-7	Fluorene	370	U
87-86-5	Pentachlorophenol	750	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	340	J
129-00-0	Pyrene	300	J
56-55-3	Benzo(a)anthracene	330	J
218-01-9	Chrysene	420	
205-99-2	Benzo(b)fluoranthene	830	
207-08-9	Benzo(k)fluoranthene	270	J
50-32-8	Benzo(a)pyrene	540	
193-39-5	Indeno(1,2,3-cd)pyrene	630	
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	640	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8642.d
Report Date: 18-Jul-2014 15:43

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8642.d
Lab Smp Id: N1194-14A Client Smp ID: SS-23-071014
Inj Date : 17-JUL-2014 20:52
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-14A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.500	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

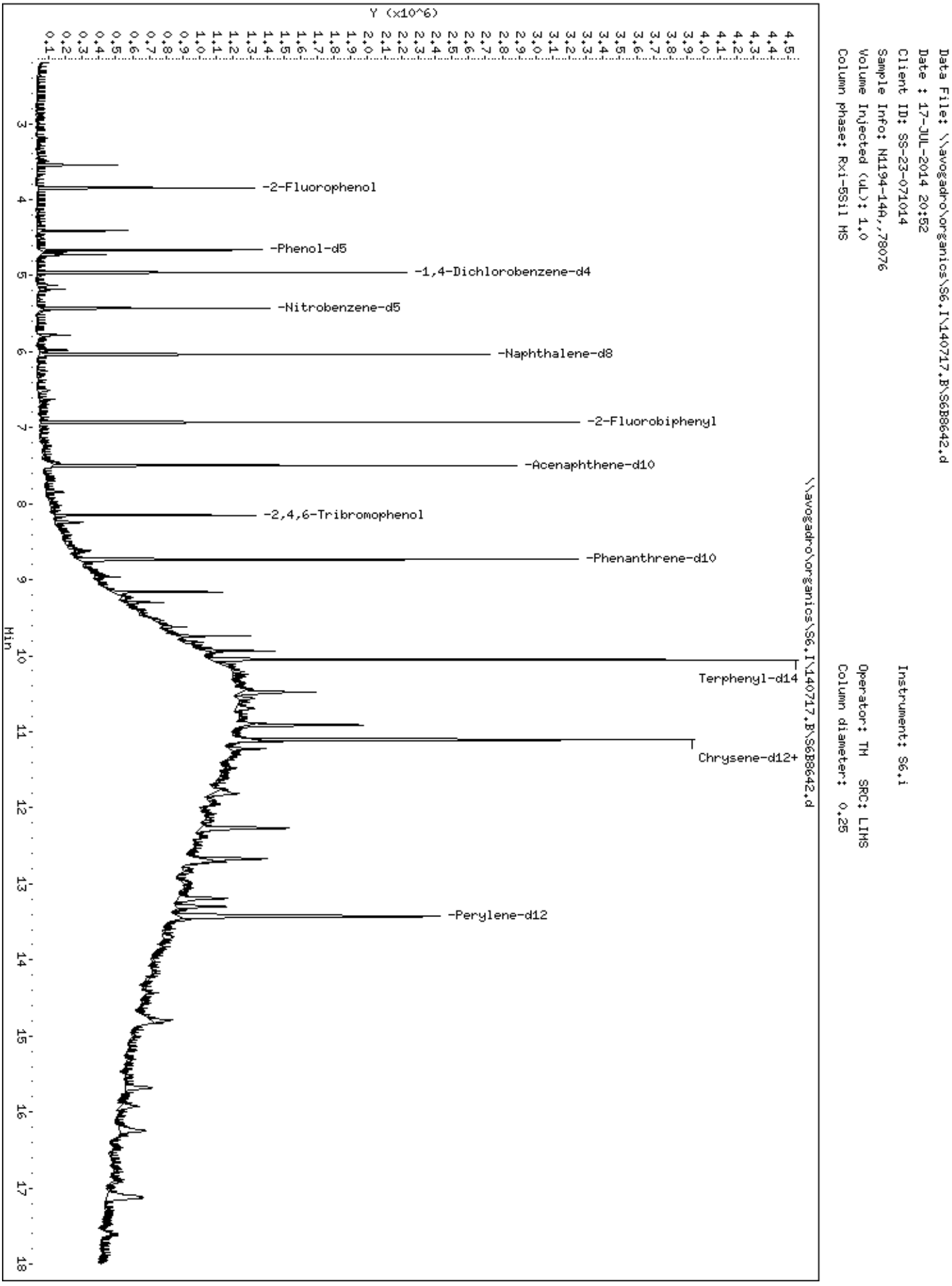
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.850	3.832	(0.776)	310151	33.7978	2200
$	5 Phenol-d5	99	4.660	4.655	(0.940)	382164	32.6213	2100
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	277045	40.0000	
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	382132	40.2348	2600
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	921459	40.0000	
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	781363	39.5280	2600
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	564857	40.0000	
$	60 2,4,6-Tribromophenol	330	8.151	8.156	(0.933)	92495	37.3887	2400
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1074576	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.002)	66277	2.28411	150(a)
	69 Fluoranthene	202	9.737	9.749	(1.115)	153023	4.60793	300(a)
	71 Pyrene	202	9.931	9.949	(0.895)	150887	4.01862	260(a)
$	72 Terphenyl-d14	244	10.048	10.060	(0.905)	897671	36.8095	2400
	75 Benzo(a)anthracene	228	11.088	11.112	(0.999)	155217	4.45931	290(aH)
*	76 Chrysene-d12	240	11.100	11.130	(1.000)	1219089	40.0000	
	77 Chrysene	228	11.129	11.159	(1.003)	181318	5.67572	370(a)
	80 Benzo(b)fluoranthene	252	12.669	12.692	(0.944)	413811	11.1175	720
	81 Benzo(k)fluoranthene	252	12.710	12.745	(0.947)	137427	3.63633	230(a)
	82 Benzo(a)pyrene	252	13.298	13.327	(0.990)	259080	7.29547	470(a)

Data File: \\avogadro\organics\S6.I\140717.B\S6B8642.d
Report Date: 18-Jul-2014 15:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
* 83 Perylene-d12	264	13.427	13.450	(1.000)	1266040	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	16.247	16.277	(1.210)	262412	8.46875	550(a)
86 Benzo(g,h,i)perylene	276	17.134	17.170	(1.276)	276633	8.64503	560(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: \\avogadro\organics\S6,I\140717,B\S6B8642.d
Date : 17-JUL-2014 20:52
Client ID: SS-23-071014
Sample Info: N1194-14A,,78076
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS
Instrument: S6,i
Operator: TM SRC: LIMS
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
Terphenyl-d14
Chrysene-d12+
-Perylene-d12
\\avogadro\organics\S6,I\140717,B\S6B8642.d

Data File: \\avogadro\organics\S6.I\140717.B\S6B8642.d

Date : 17-JUL-2014 20:52

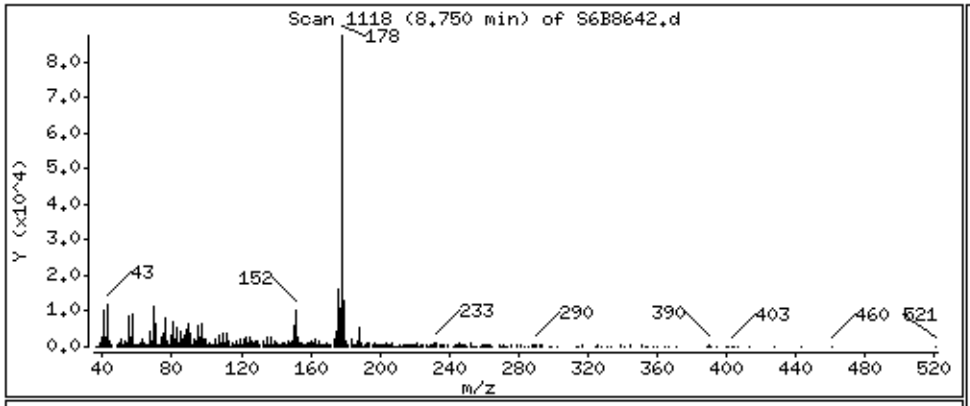
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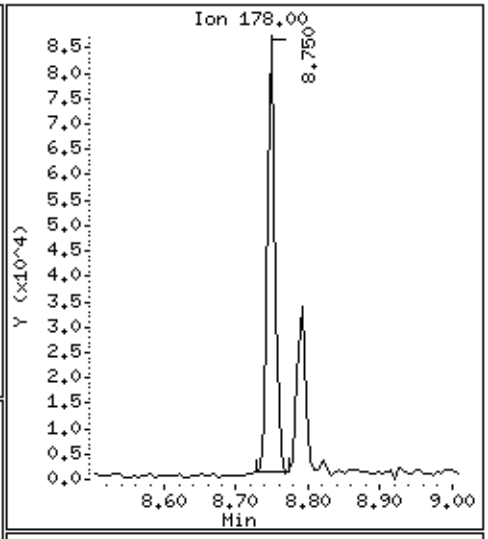
Sample Info: N1194-14A,,78076

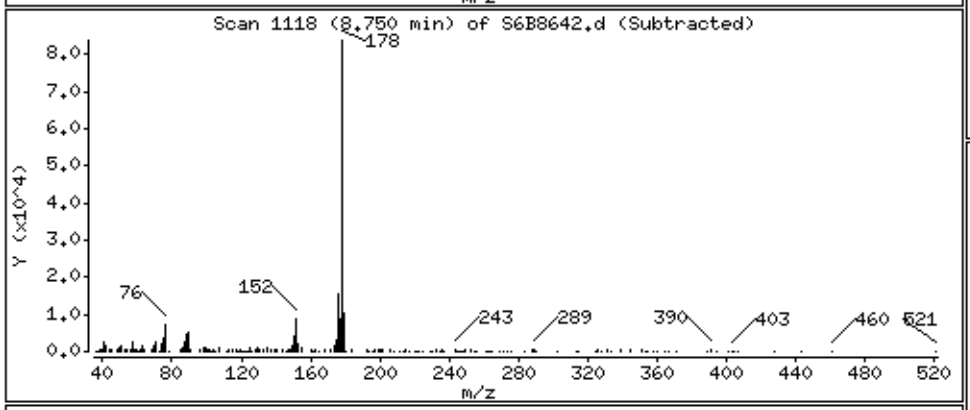
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

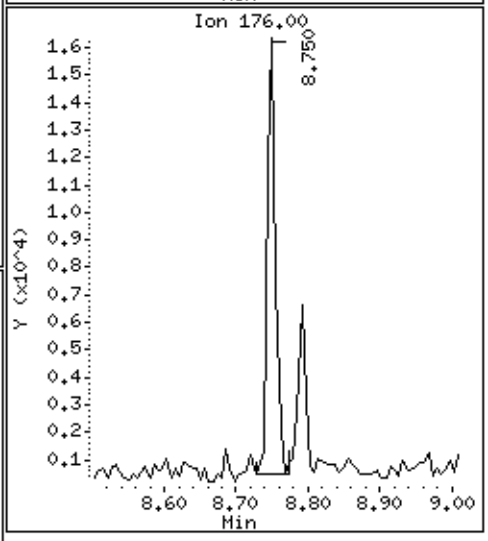
Column phase: Rxi-5Sil MS Column diameter: 0.25

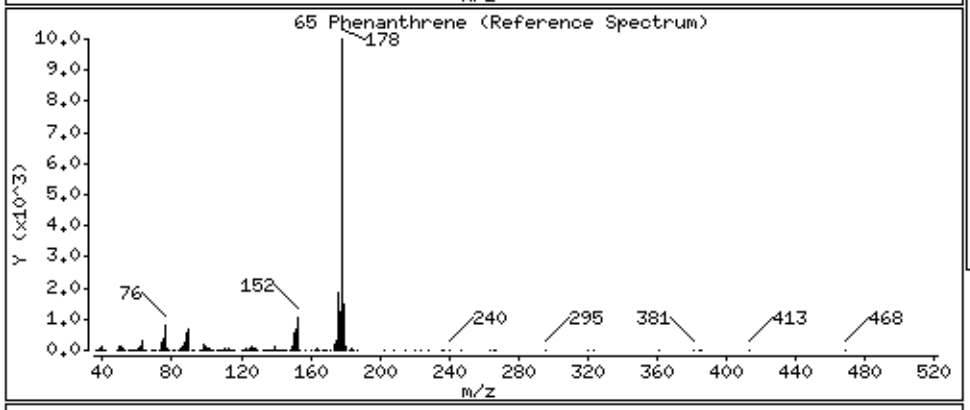
65 Phenanthrene Concentration: 150 ug/Kg

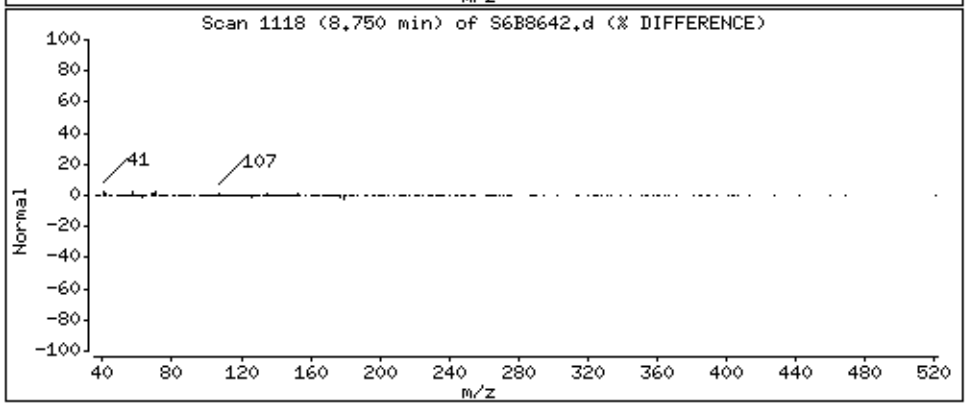












Data File: \\avogadro\organics\S6.I\140717.B\S6B8642.d

Date : 17-JUL-2014 20:52

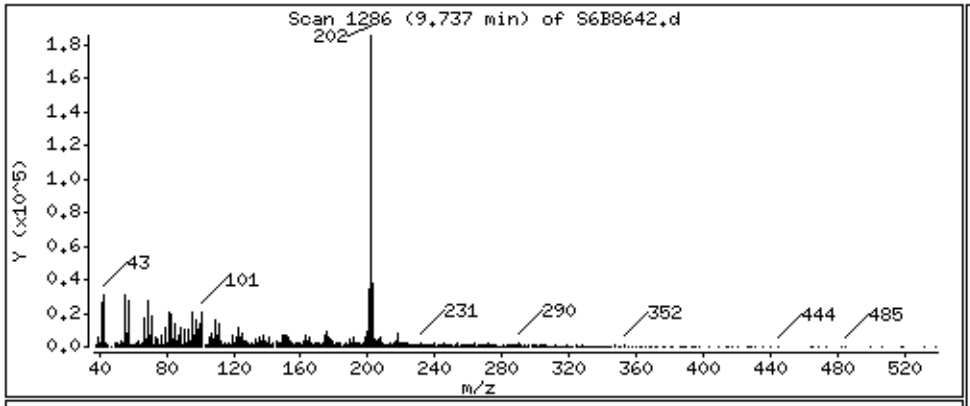
Client ID: SS-23-071014 Instrument: S6.i

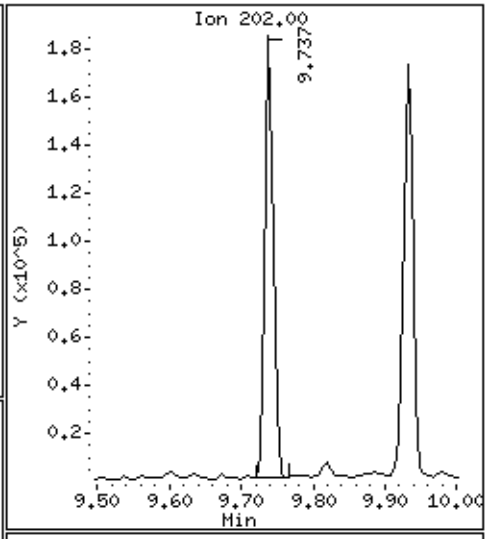
Sample Info: N1194-14A,,78076

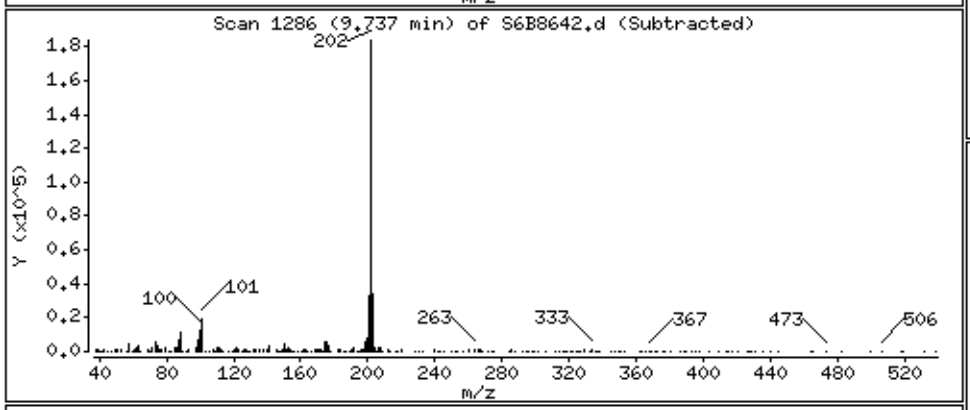
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

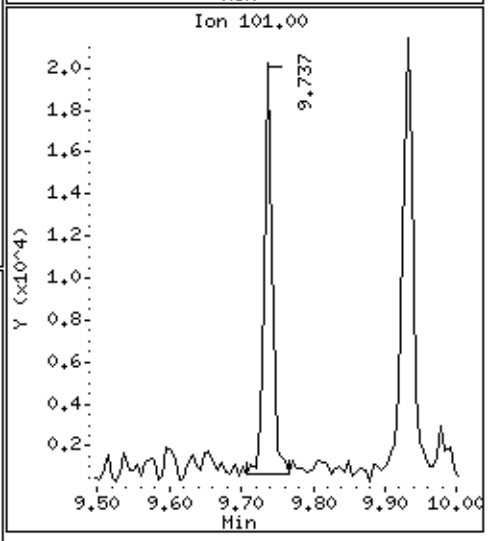
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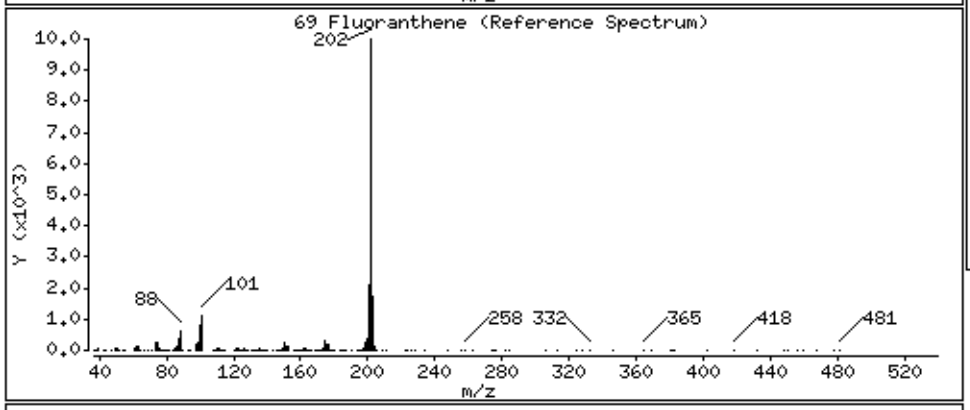
69 Fluoranthene Concentration: 300 ug/Kg

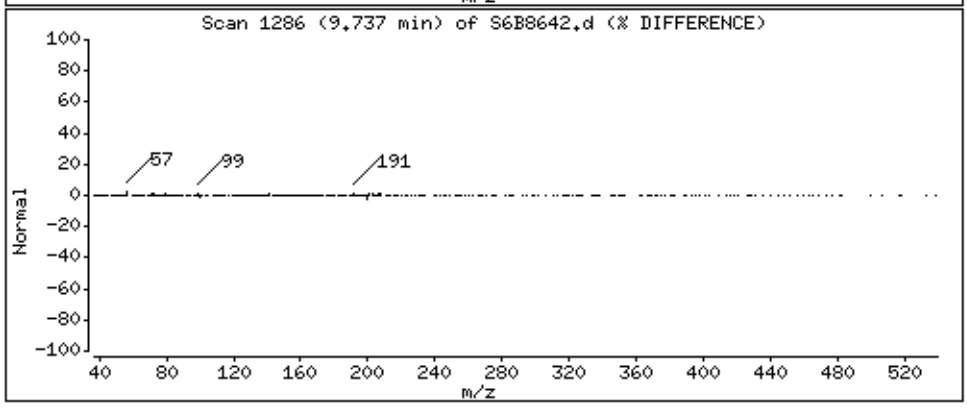












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Date : 17-JUL-2014 20:52

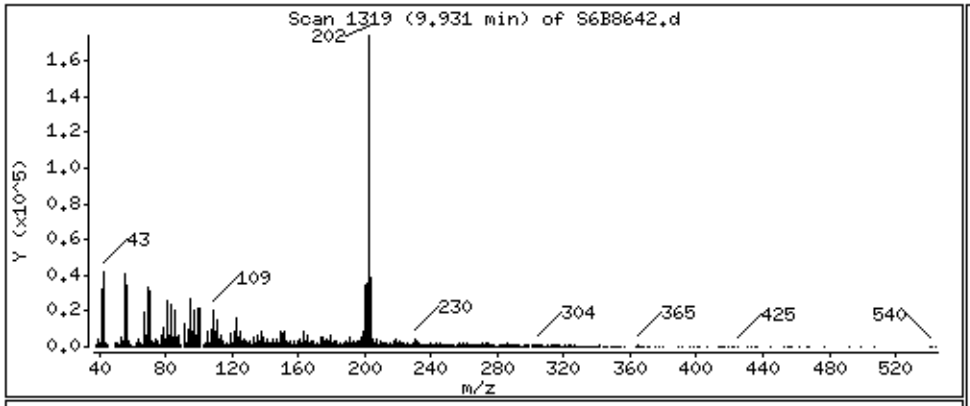
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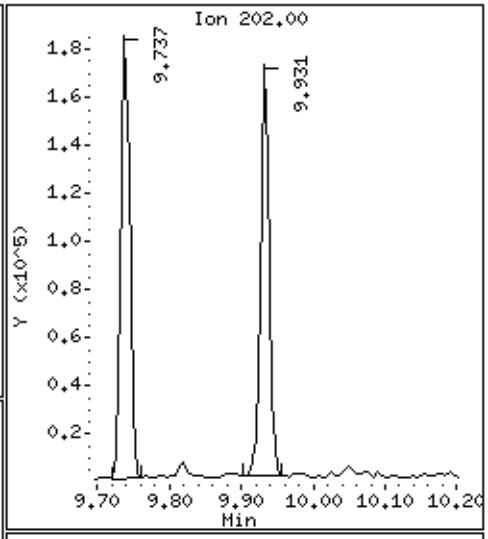
Sample Info: N1194-14A,,78076

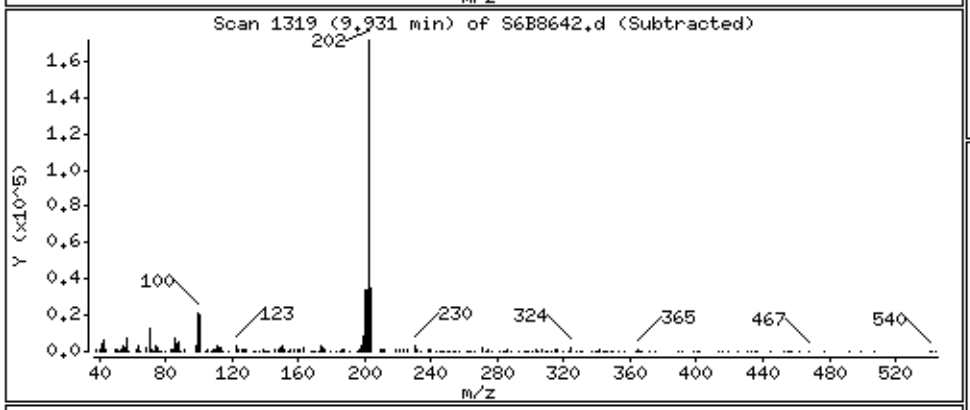
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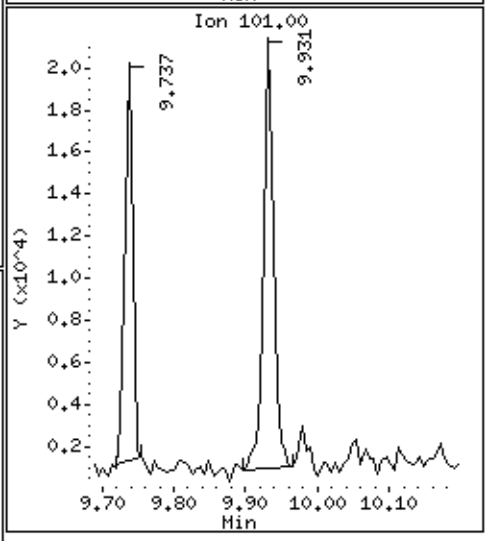
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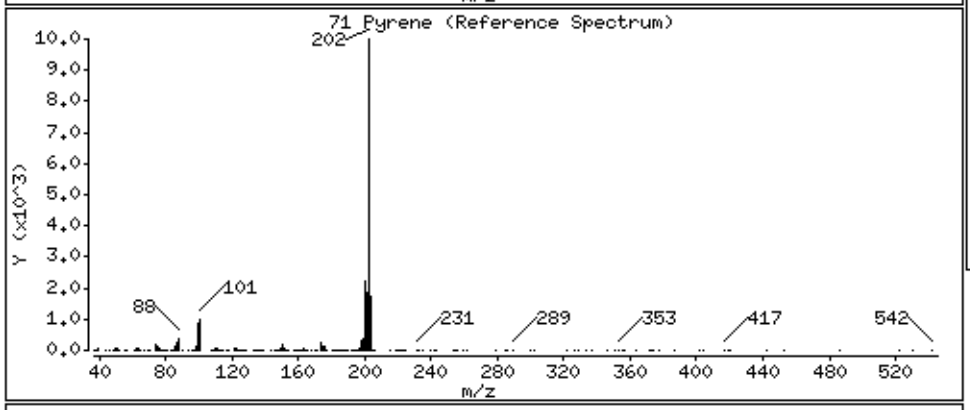
71 Pyrene Concentration: 260 ug/Kg

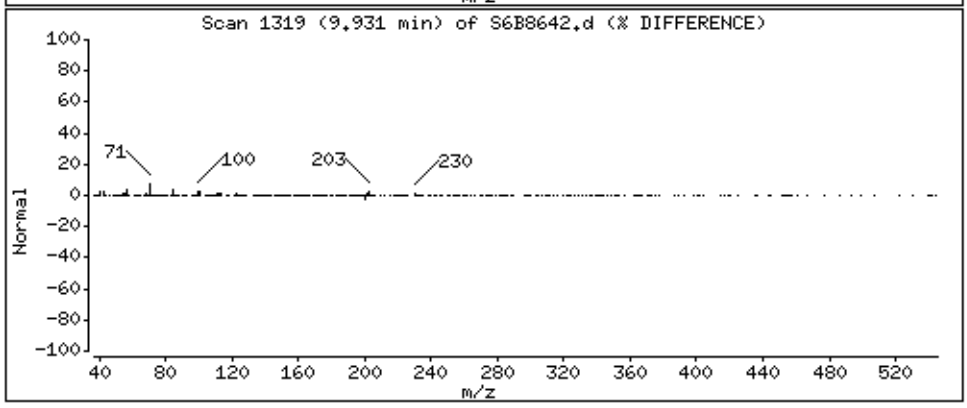












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Date : 17-JUL-2014 20:52

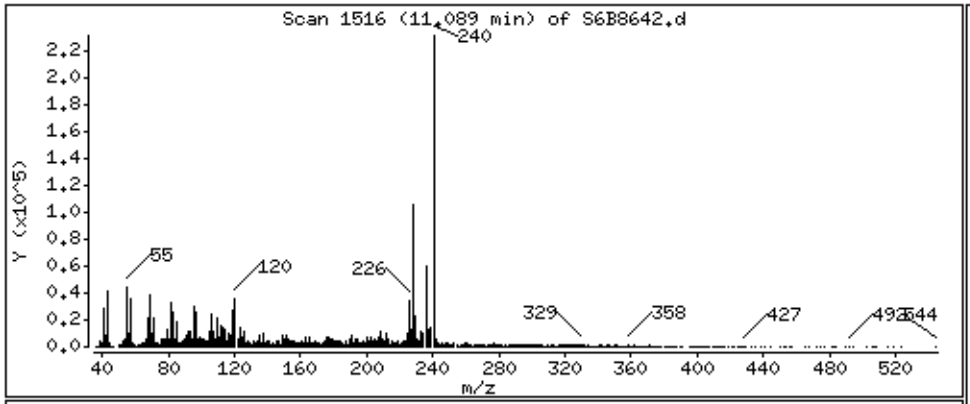
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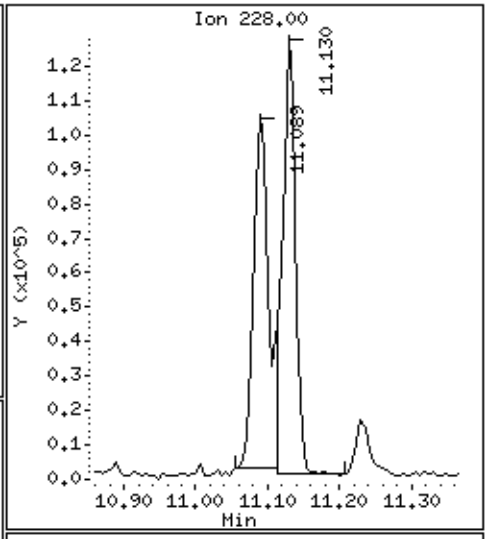
Sample Info: N1194-14A,,78076

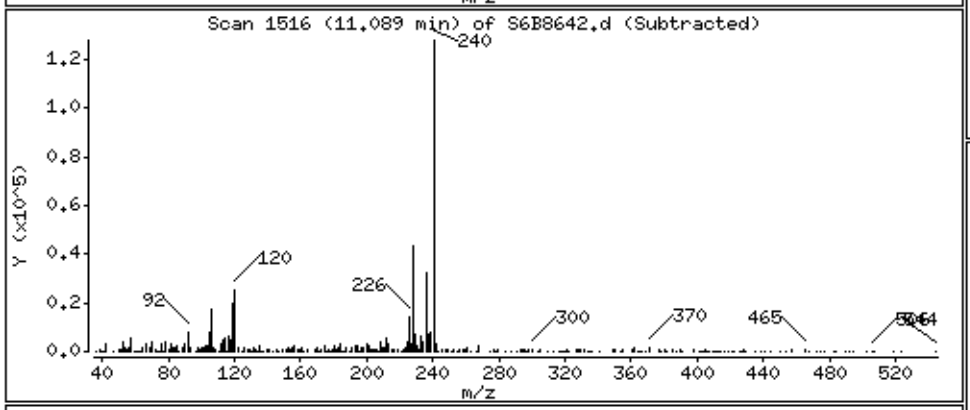
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

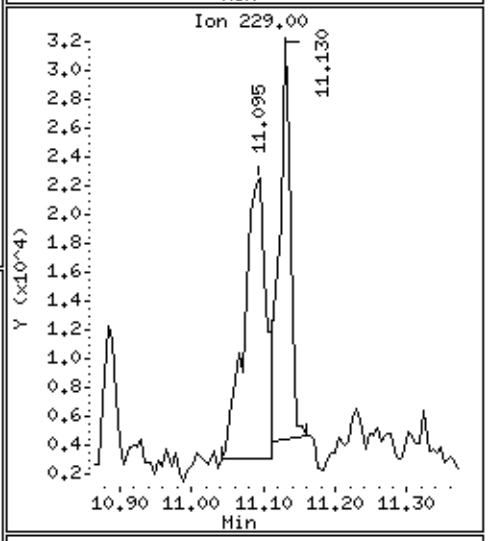
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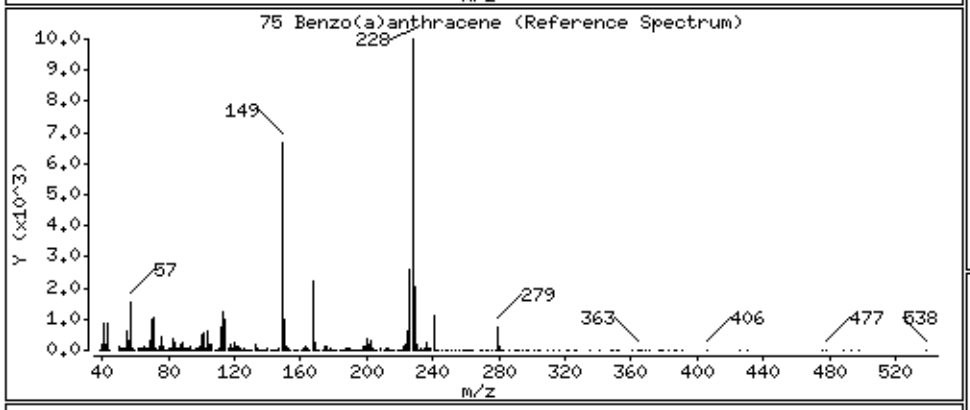
75 Benzo(a)anthracene Concentration: 290 ug/Kg

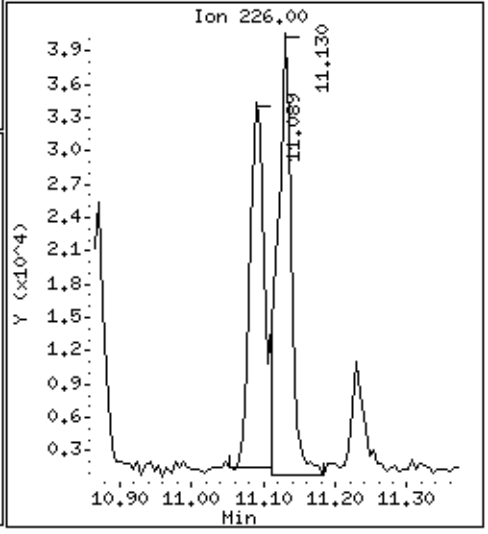


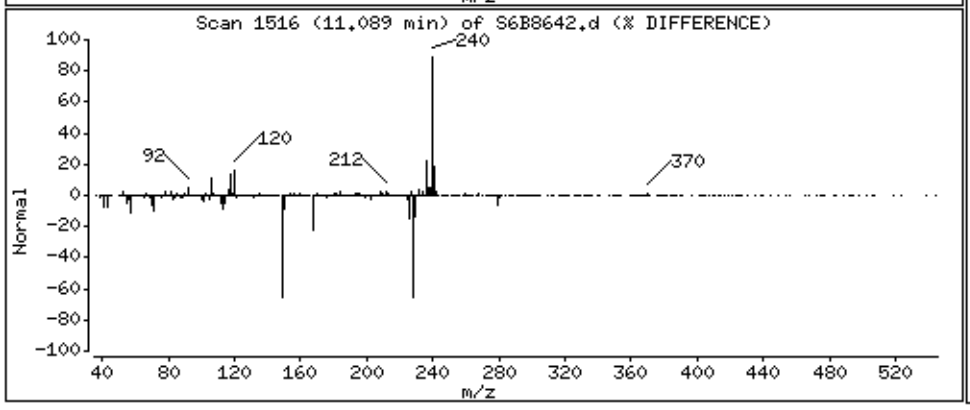












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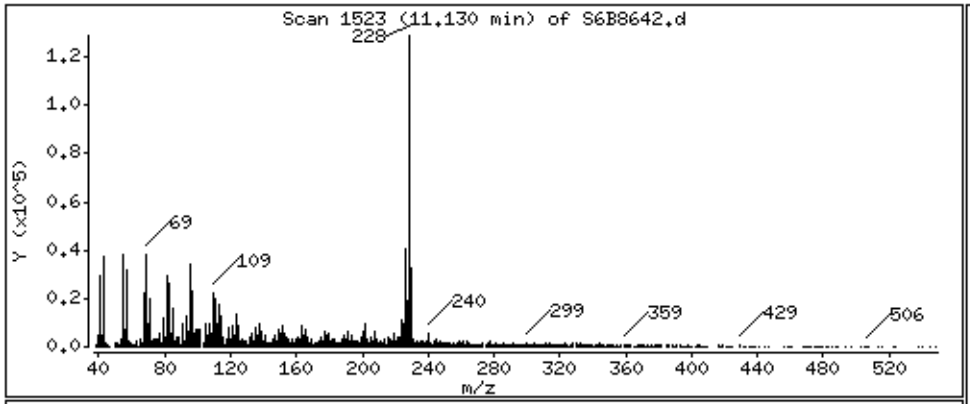
Client ID: SS-23-071014 Instrument: S6.i

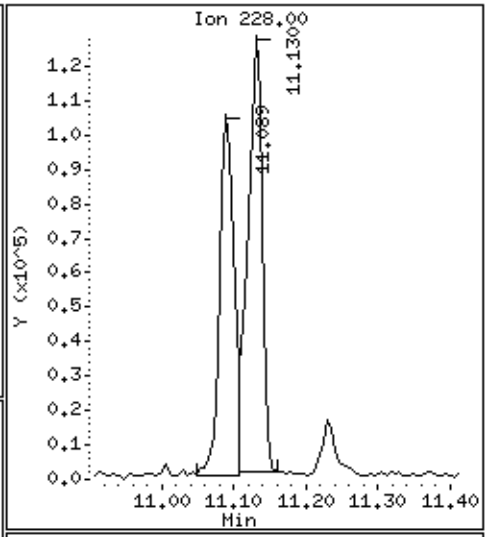
Sample Info: N1194-14A,,78076

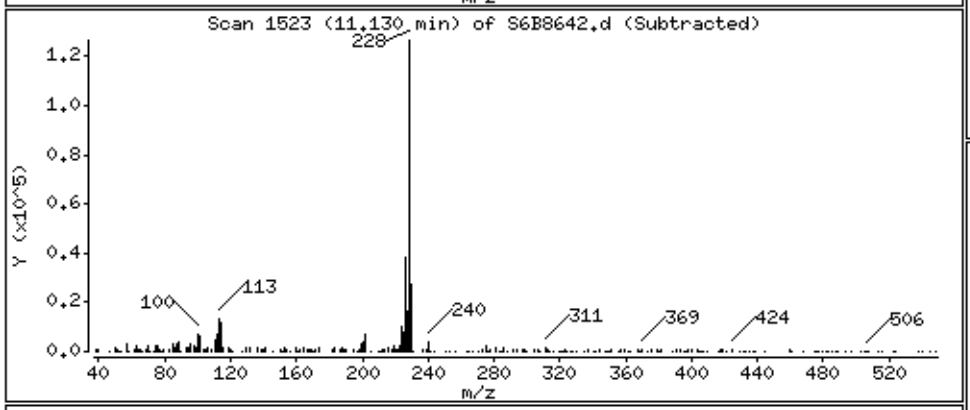
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

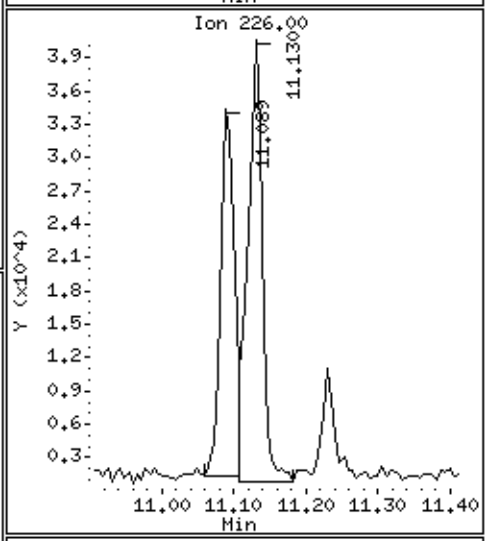
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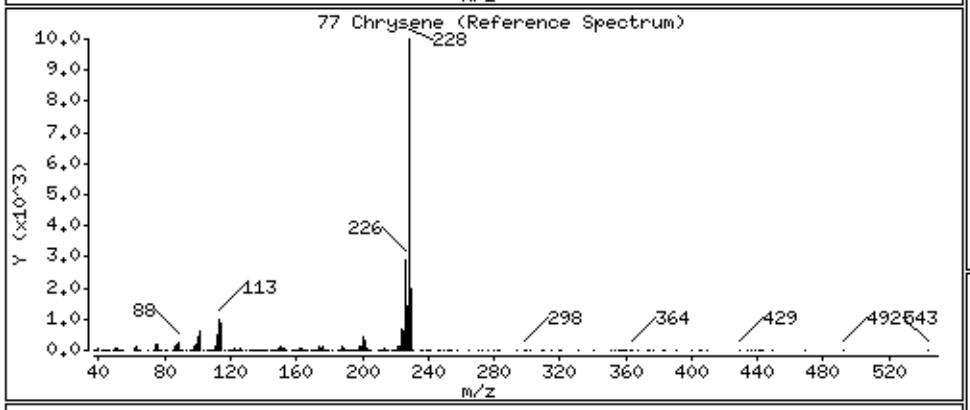
77 Chrysene Concentration: 370 ug/Kg

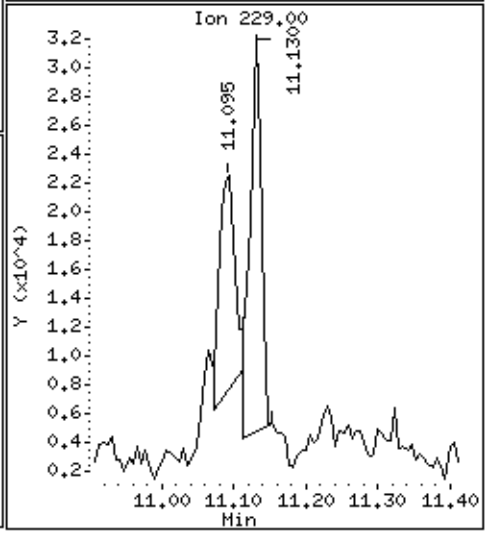


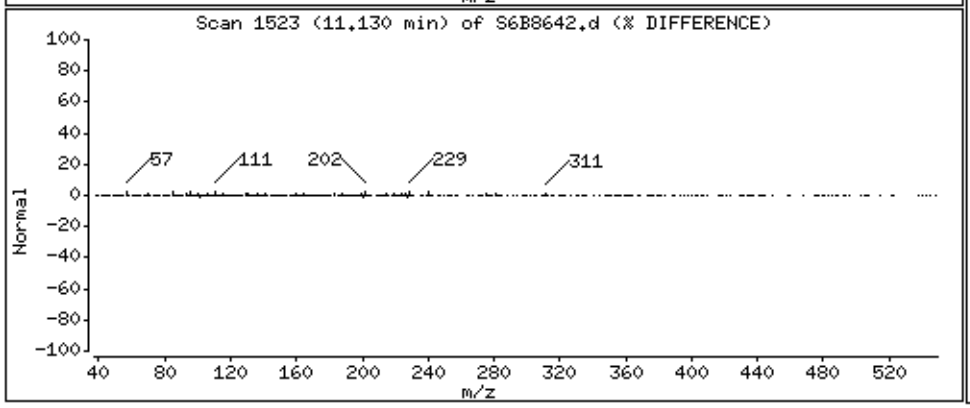












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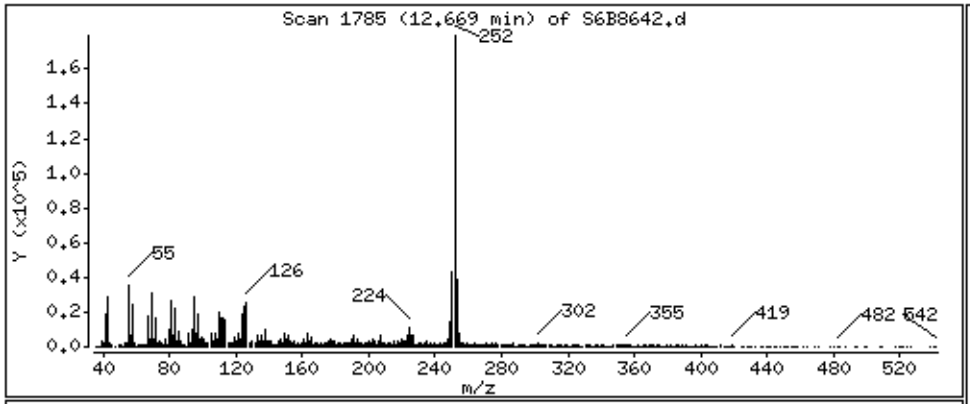
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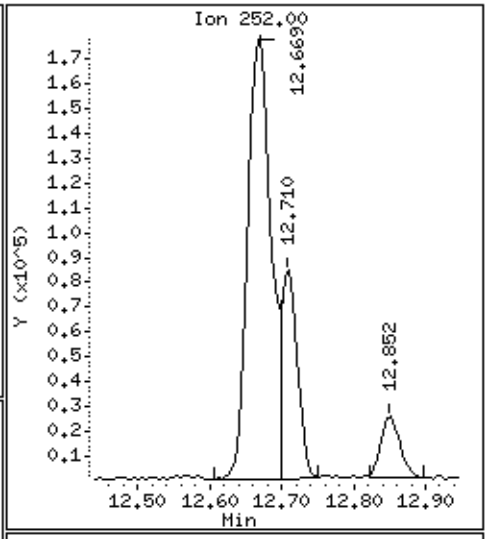
Sample Info: N1194-14A,,78076

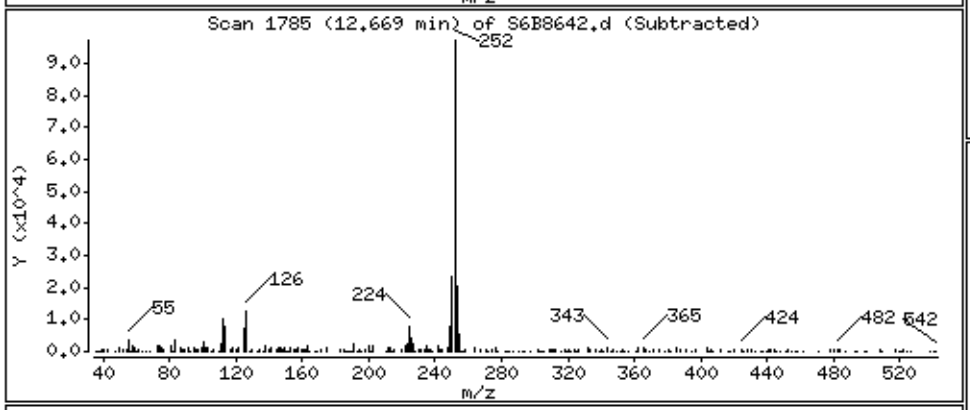
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

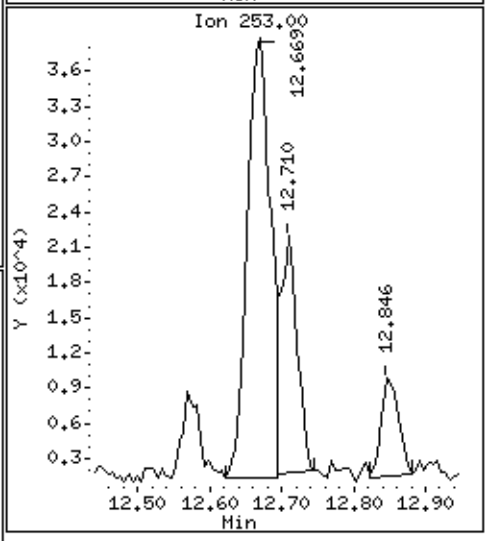
Column phase: Rxi-5Sil MS Column diameter: 0.25

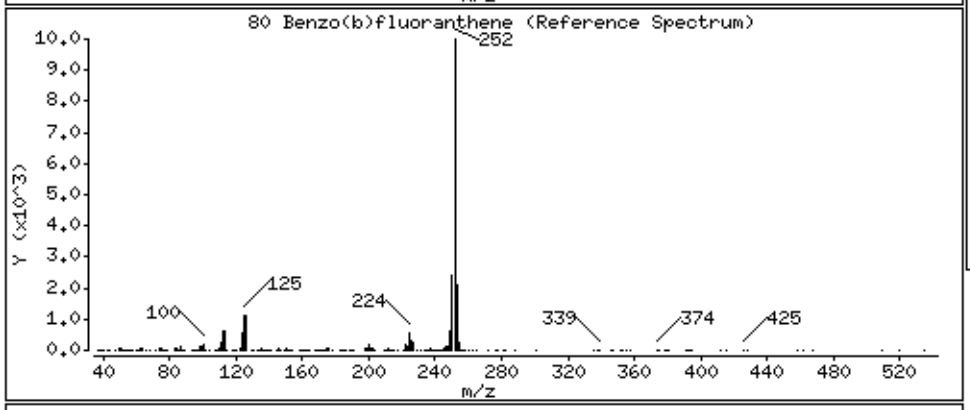
80 Benzo(b)fluoranthene Concentration: 720 ug/Kg

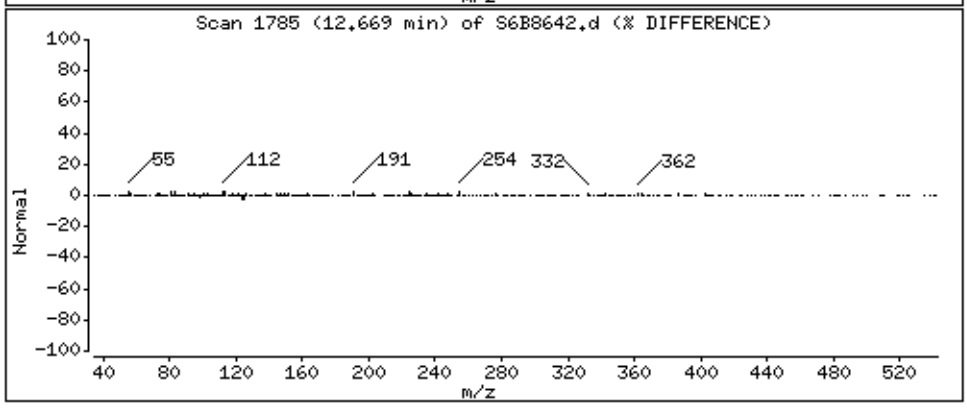












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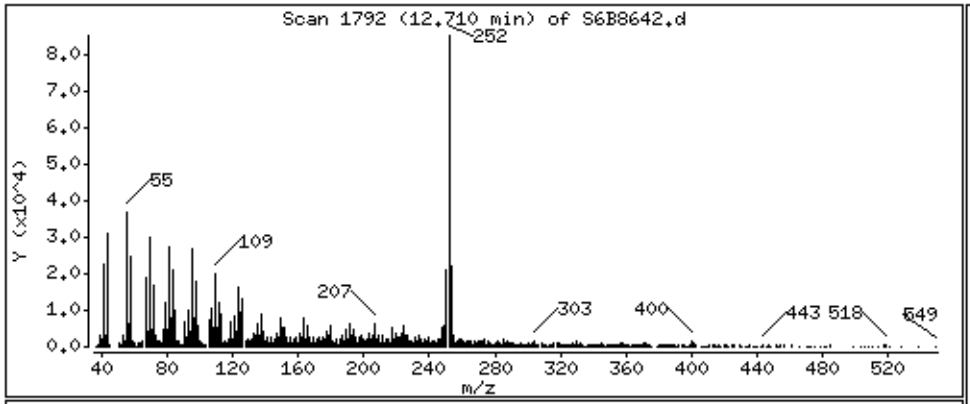
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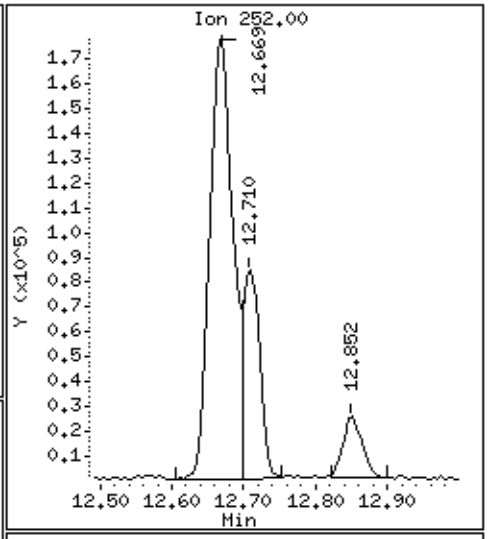
Sample Info: N1194-14A,,78076

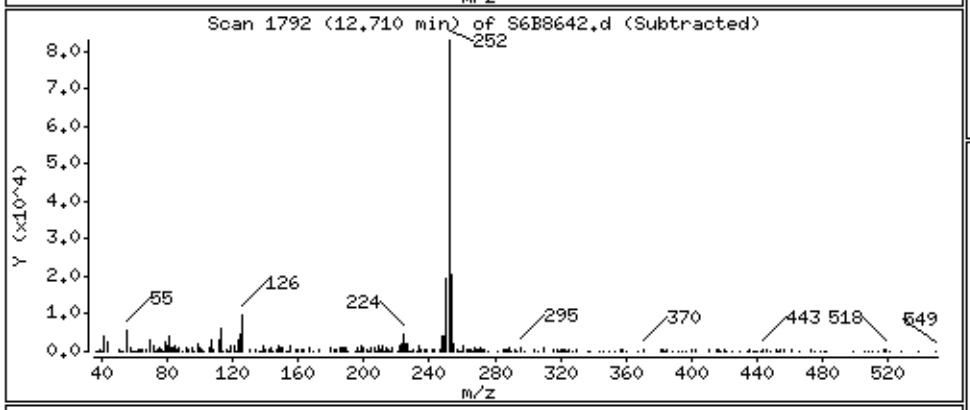
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

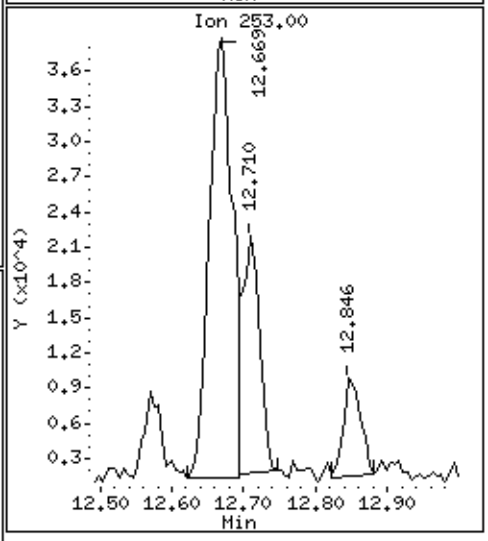
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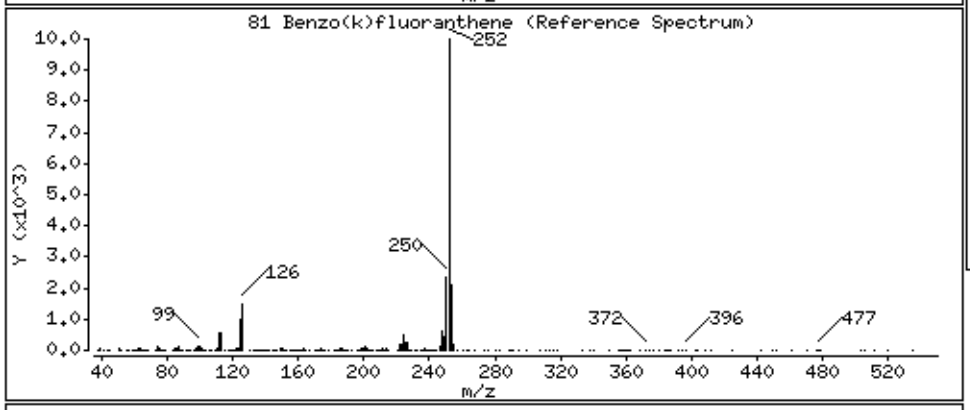
81 Benzo(k)fluoranthene Concentration: 230 ug/Kg

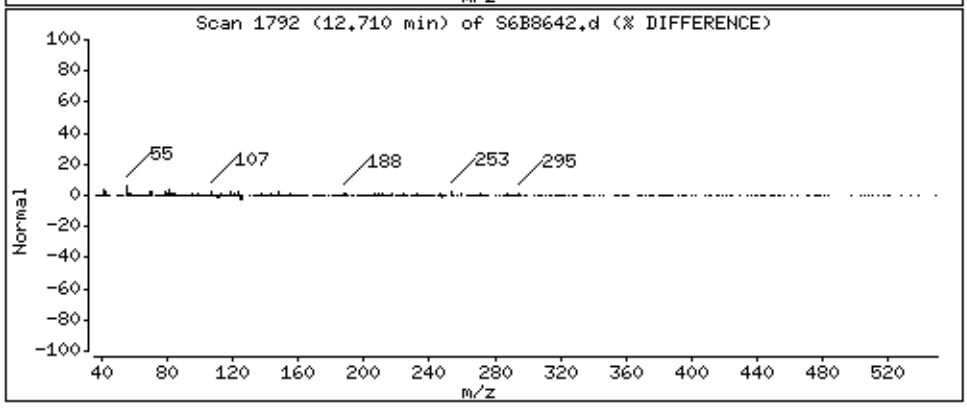












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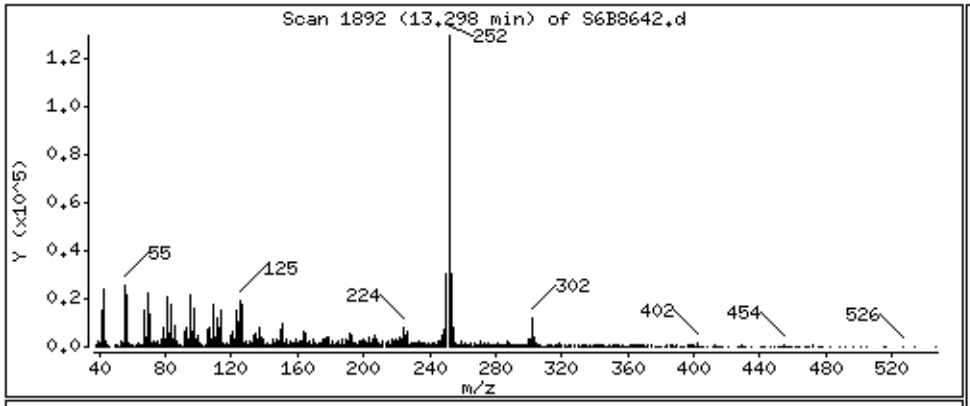
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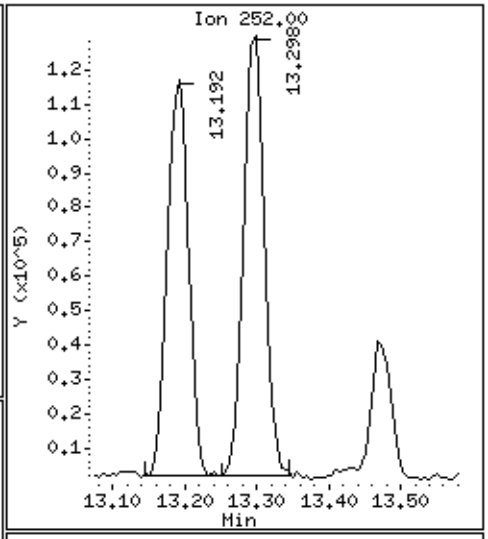
Sample Info: N1194-14A,,78076

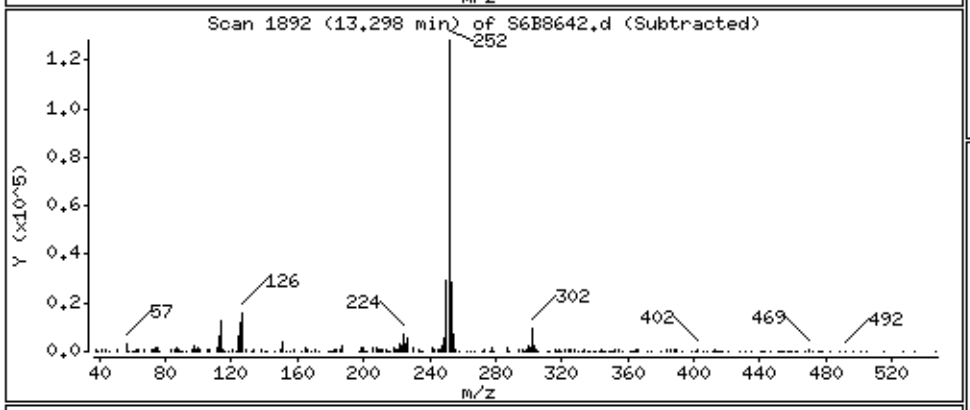
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

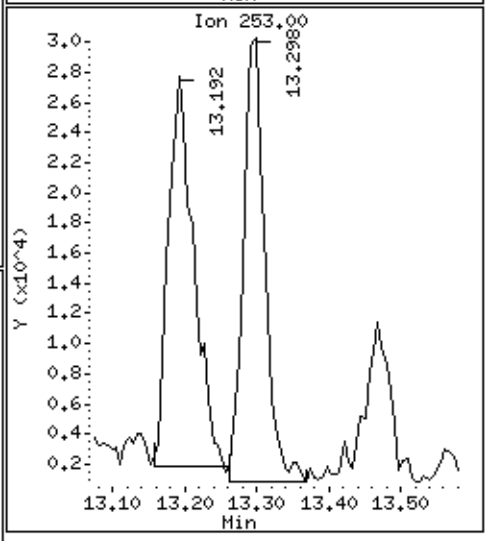
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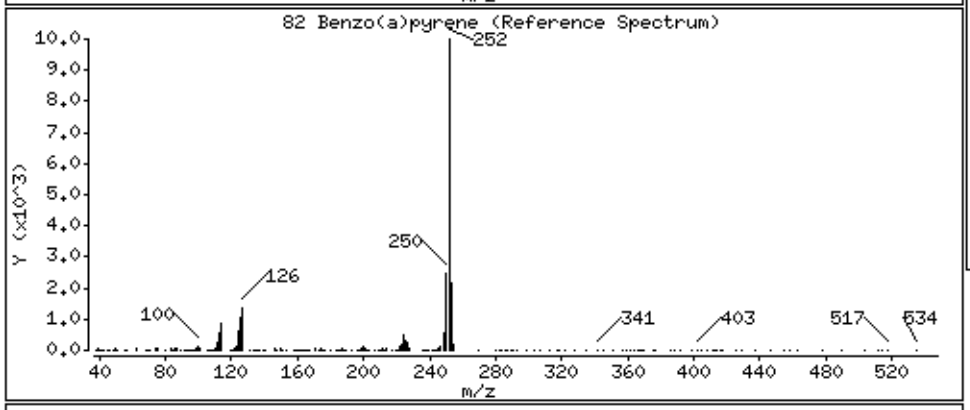
82 Benzo(a)pyrene Concentration: 470 ug/Kg

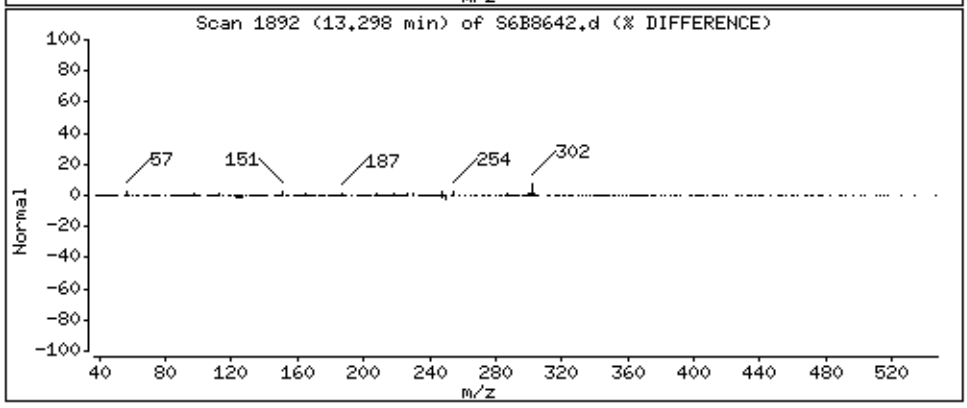












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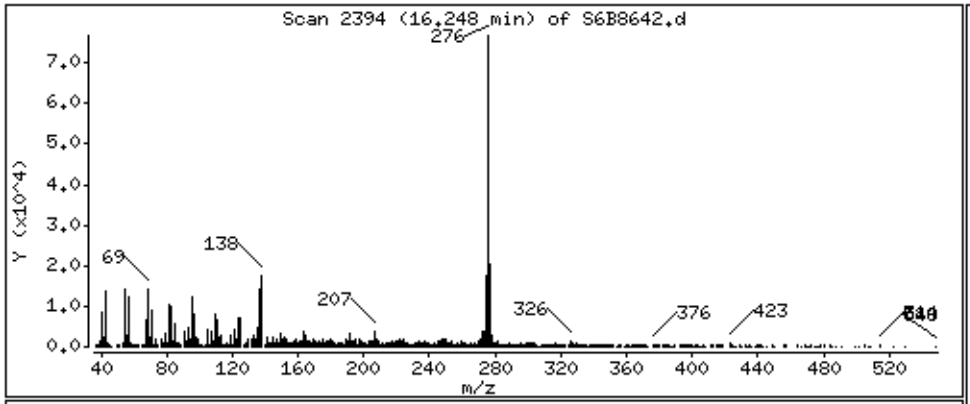
Client ID: SS-23-071014 Instrument: S6.i

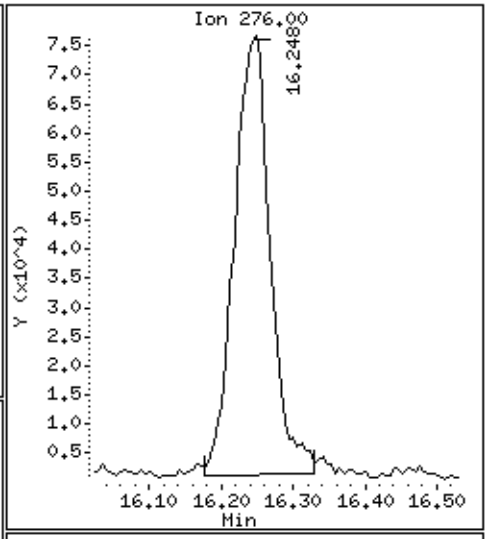
Sample Info: N1194-14A,,78076

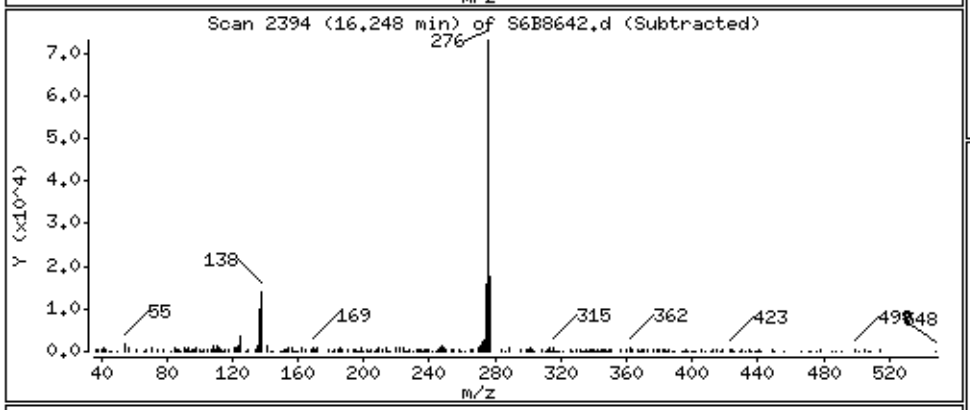
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

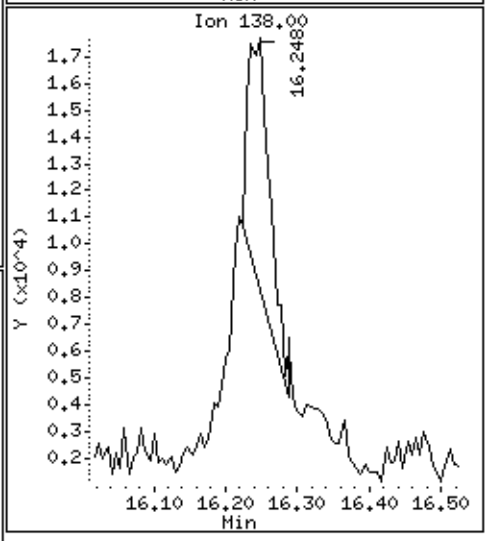
Column phase: Rxi-5Sil MS Column diameter: 0.25

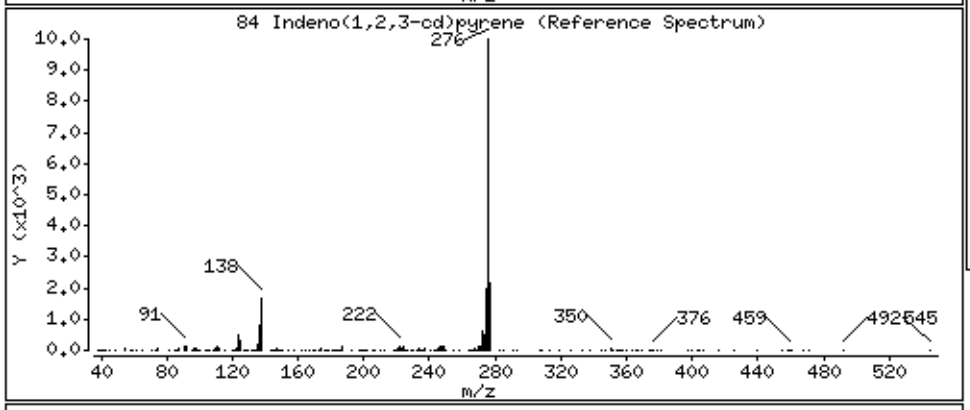
84 Indeno(1,2,3-cd)pyrene Concentration: 550 ug/Kg

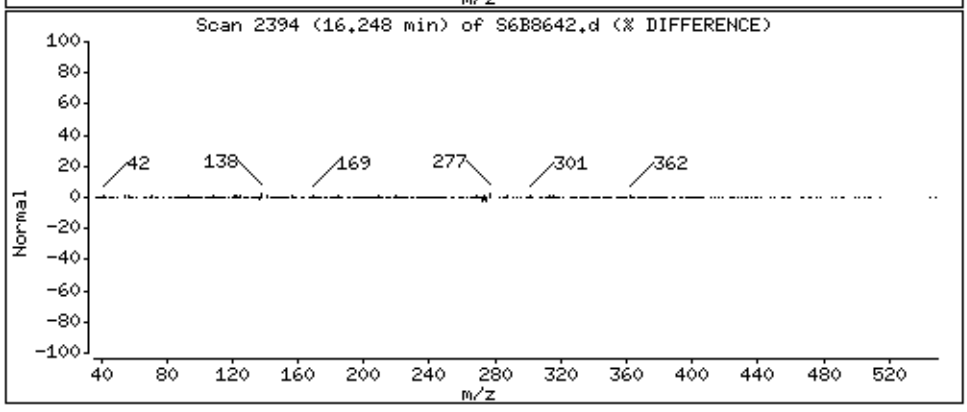












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Date : 17-JUL-2014 20:52

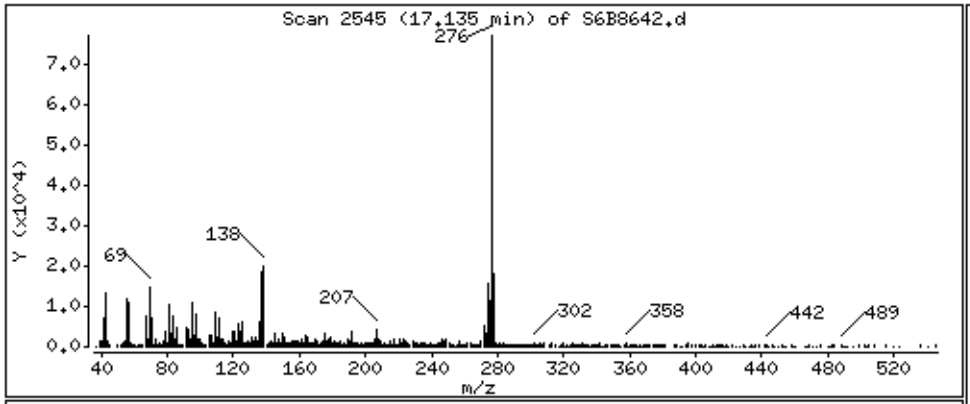
Client ID: SS-23-071014 Instrument: S6.i

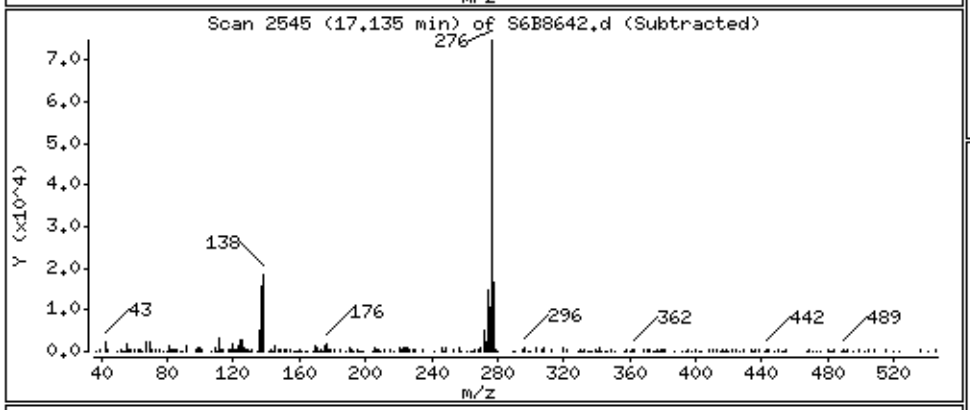
Sample Info: N1194-14A,,78076

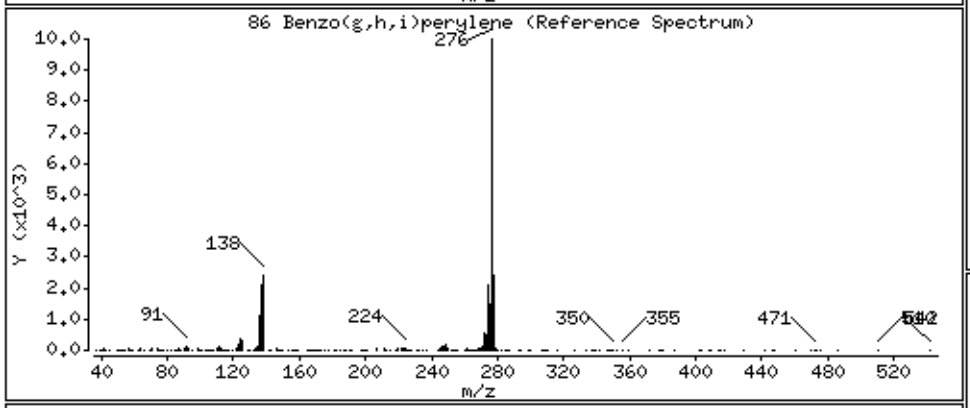
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

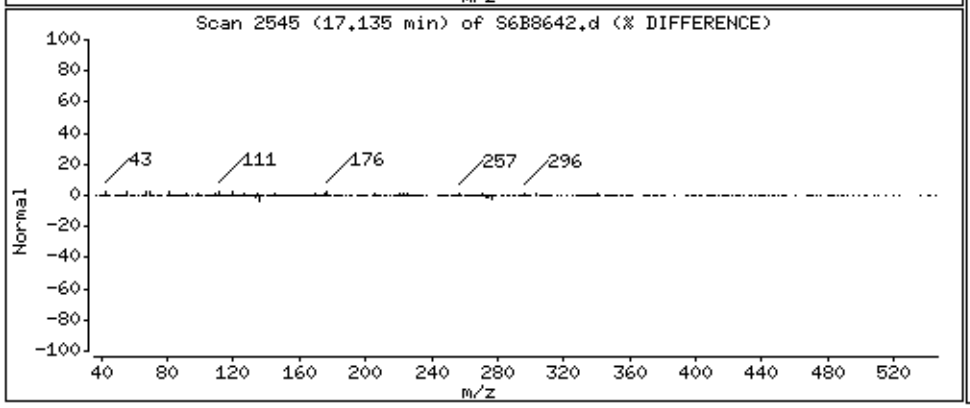
Column phase: Rxi-5Sil MS Column diameter: 0.25

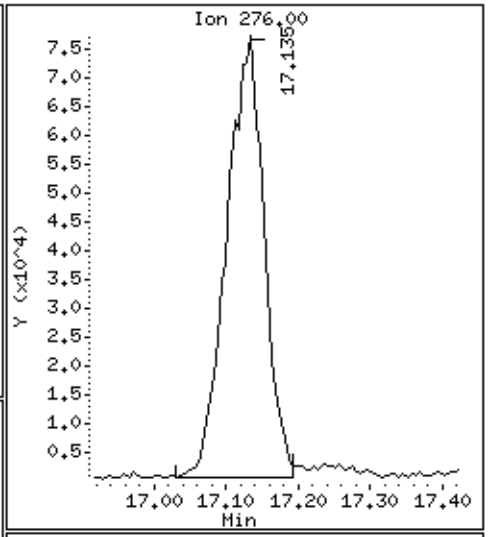
86 Benzo(g,h,i)perylene Concentration: 560 ug/Kg

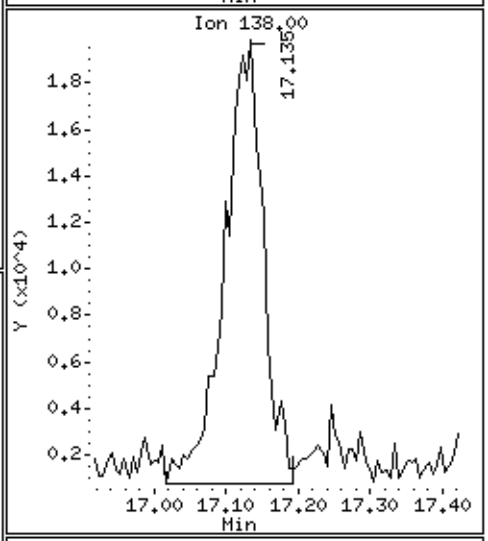


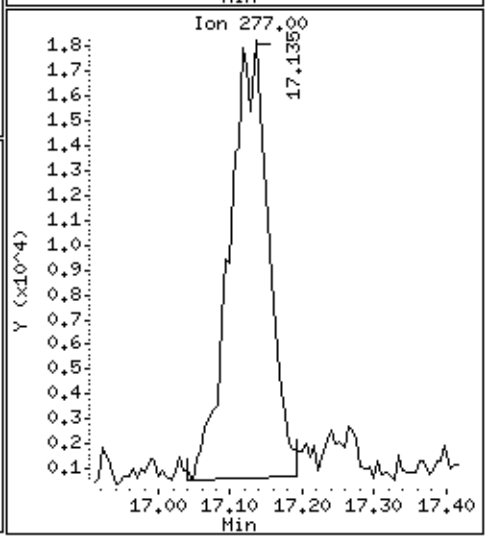












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-24-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-15A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8645.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	310	J
120-12-7	Anthracene	94	J
206-44-0	Fluoranthene	610	
129-00-0	Pyrene	570	
56-55-3	Benzo(a)anthracene	530	
218-01-9	Chrysene	590	
205-99-2	Benzo(b)fluoranthene	1100	
207-08-9	Benzo(k)fluoranthene	370	J
50-32-8	Benzo(a)pyrene	760	
193-39-5	Indeno(1,2,3-cd)pyrene	780	
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	830	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8645.d
Report Date: 18-Jul-2014 15:43

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8645.d
Lab Smp Id: N1194-15A Client Smp ID: SS-24-071014
Inj Date : 17-JUL-2014 22:02
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-15A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.300	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.850	3.832	(0.776)	310716	31.9577	2100
$	5 Phenol-d5	99	4.660	4.655	(0.940)	384350	30.9652	2000
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	293531	40.0000	
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	382707	37.5856	2400
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	987894	40.0000	
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	786582	36.7395	2400
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	611788	40.0000	
$	60 2,4,6-Tribromophenol	330	8.151	8.156	(0.933)	93397	34.9403	2300
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1161090	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.002)	122617	3.91089	260(a)
	66 Anthracene	178	8.791	8.797	(1.007)	37501	1.17394	77(a)
	69 Fluoranthene	202	9.737	9.749	(1.115)	272609	7.59732	500(a)
	71 Pyrene	202	9.925	9.949	(0.892)	263690	7.06742	460(aH)
$	72 Terphenyl-d14	244	10.043	10.060	(0.902)	840537	34.6850	2300
	75 Benzo(a)anthracene	228	11.124	11.112	(0.999)	215876	6.24130	410(aH)
*	76 Chrysene-d12	240	11.094	11.130	(1.000)	1211416	40.0000	(H)
	77 Chrysene	228	11.124	11.159	(0.999)	233654	7.36030	480(a)
	80 Benzo(b)fluoranthene	252	12.657	12.692	(0.944)	487162	13.1097	860(H)
	81 Benzo(k)fluoranthene	252	12.698	12.745	(0.947)	172400	4.56925	300(a)

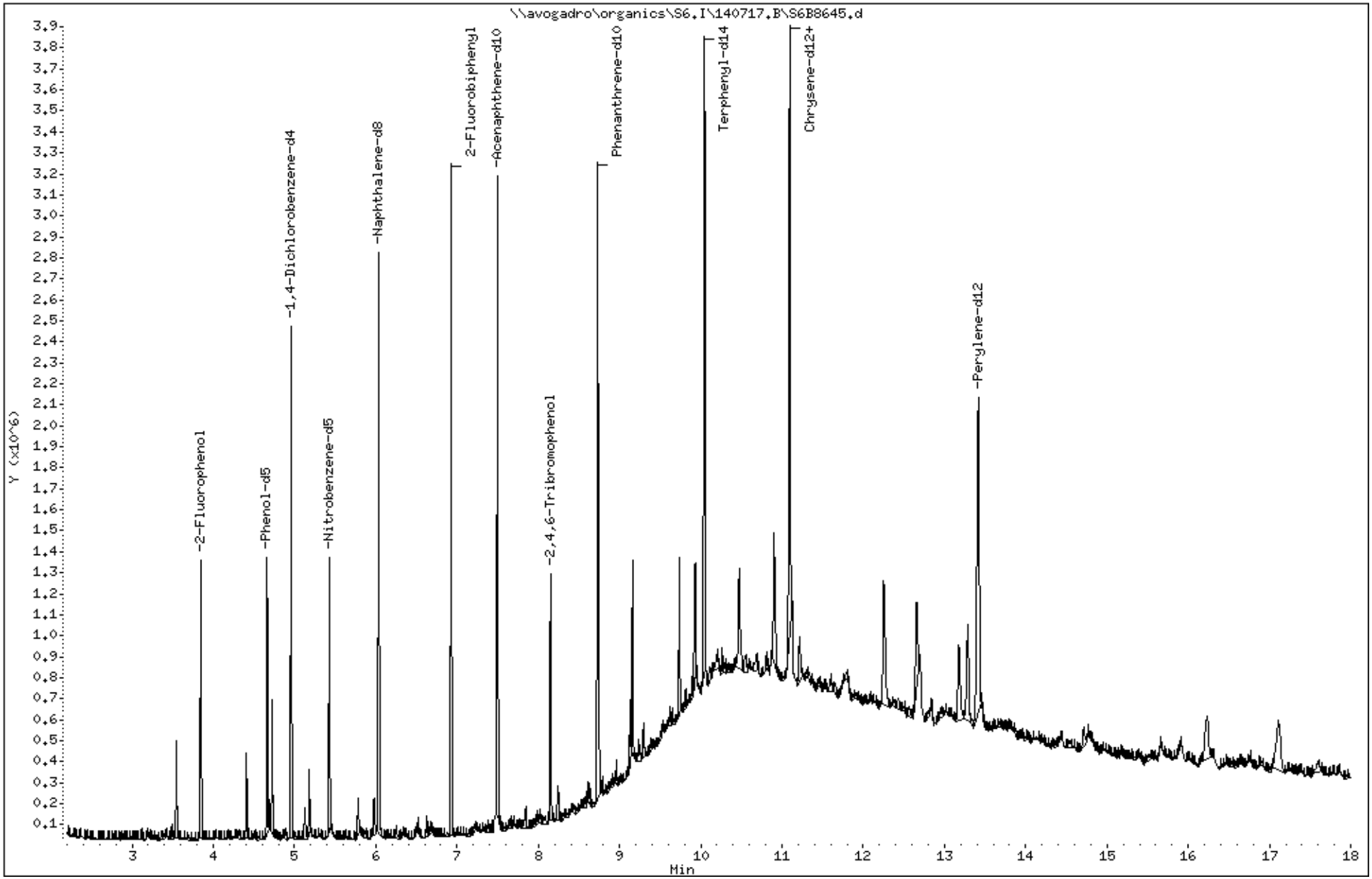
Data File: \\avogadro\organics\S6.I\140717.B\S6B8645.d
Report Date: 18-Jul-2014 15:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
82	Benzo(a)pyrene	252	13.286	13.327	(0.990)	337894	9.53050	620(a)
* 83	Perylene-d12	264	13.415	13.450	(1.000)	1263955	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.235	16.277	(1.210)	301133	9.73441	640(aQ)
86	Benzo(g,h,i)perylene	276	17.111	17.170	(1.275)	329002	10.2986	670

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8645.d
Date : 17-JUL-2014 22:02
Client ID: SS-24-071014
Instrument: S6.i
Sample Info: N1194-15A,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8645.d

Date : 17-JUL-2014 22:02

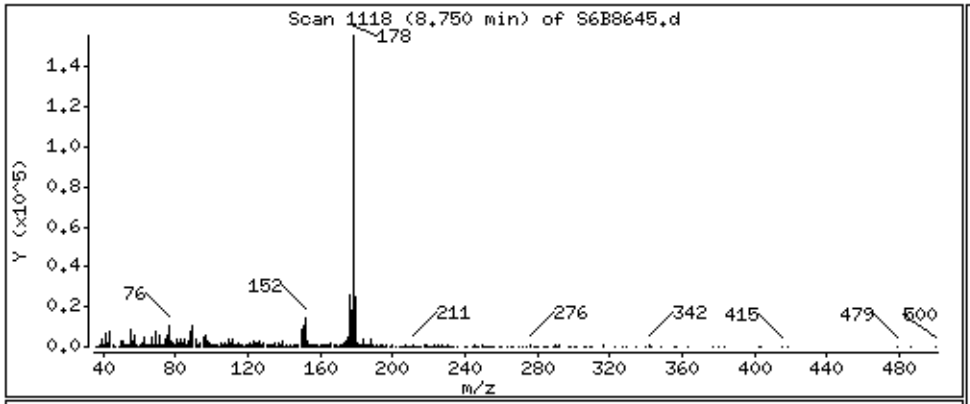
Client ID: SS-24-071014 Instrument: S6.i

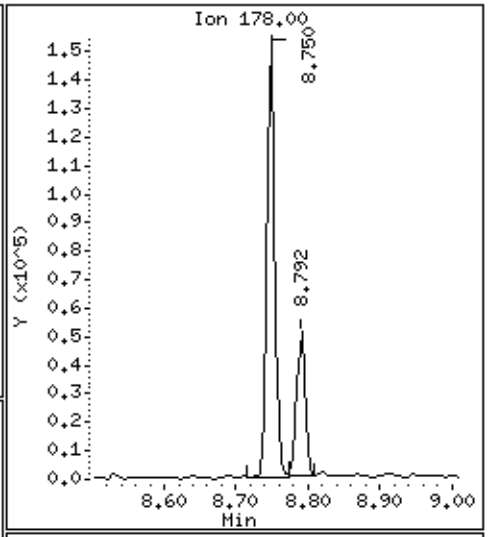
Sample Info: N1194-15A,,78076

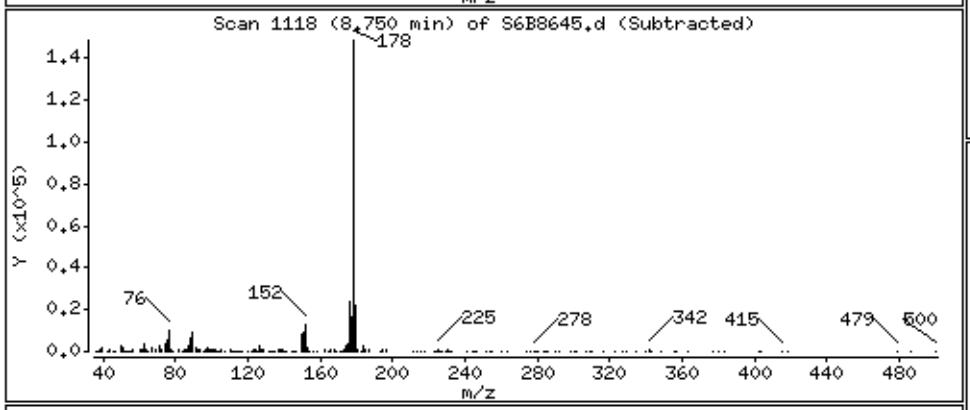
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

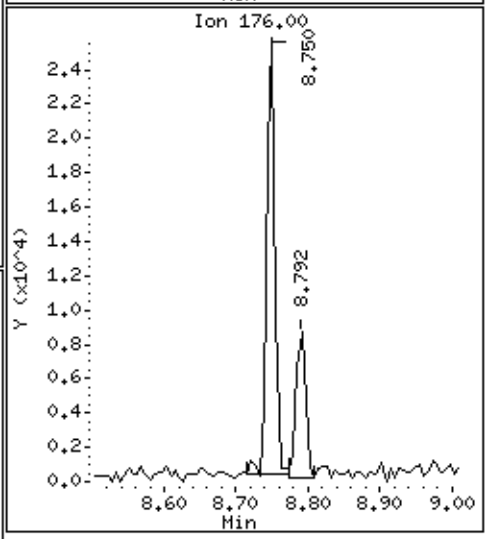
Column phase: Rxi-5Sil MS Column diameter: 0.25

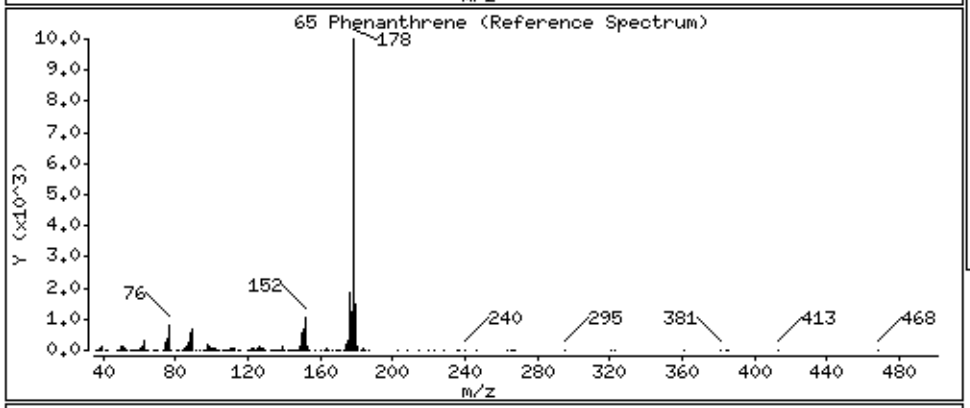
65 Phenanthrene Concentration: 260 ug/Kg

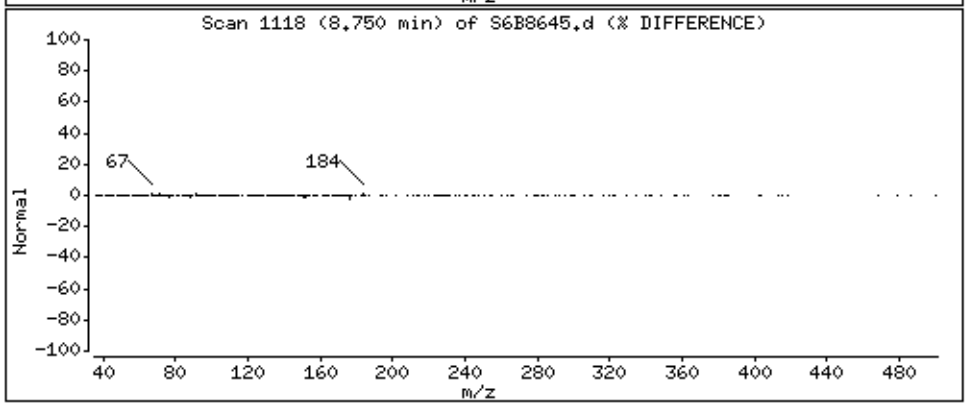












Data File: \\avogadro\organics\S6.I\140717.B\S6B8645.d

Date : 17-JUL-2014 22:02

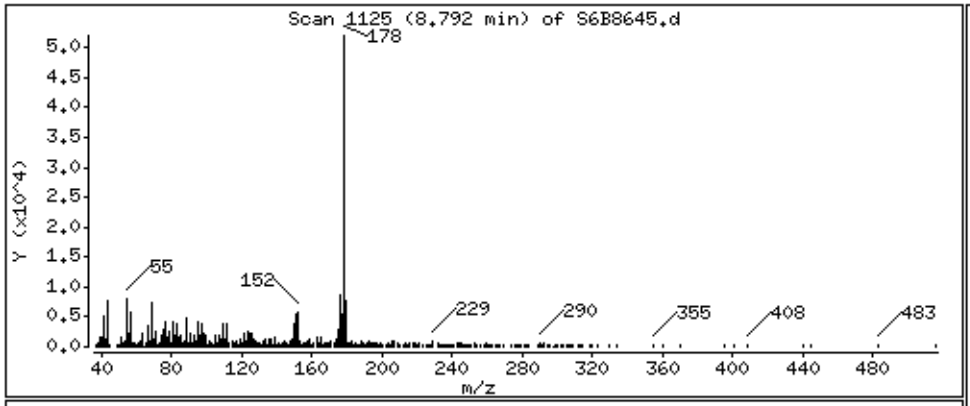
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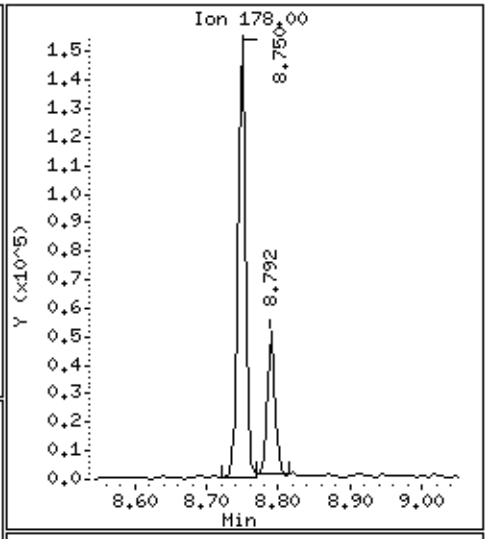
Sample Info: N1194-15A,,78076

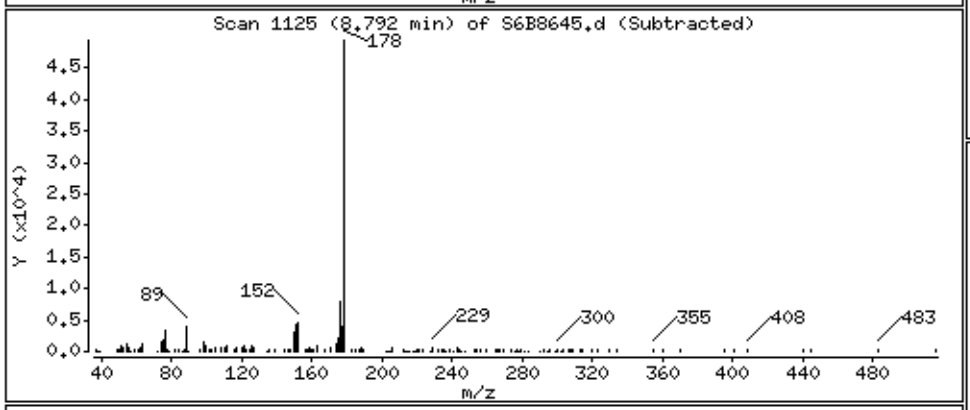
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

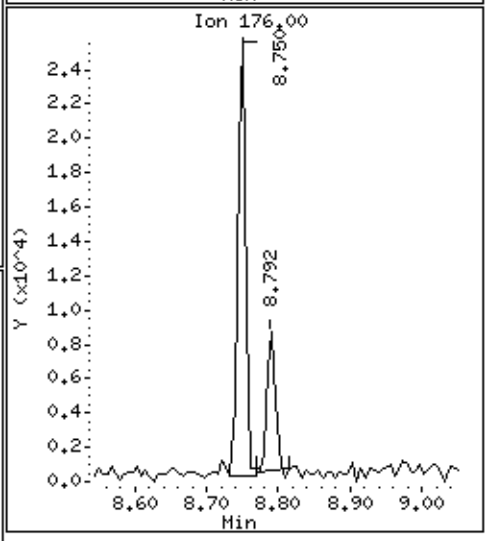
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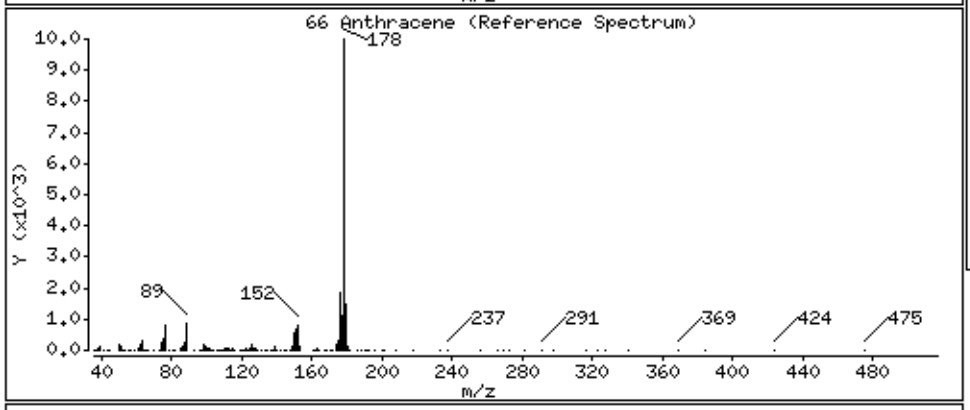
66 Anthracene Concentration: 77 ug/Kg

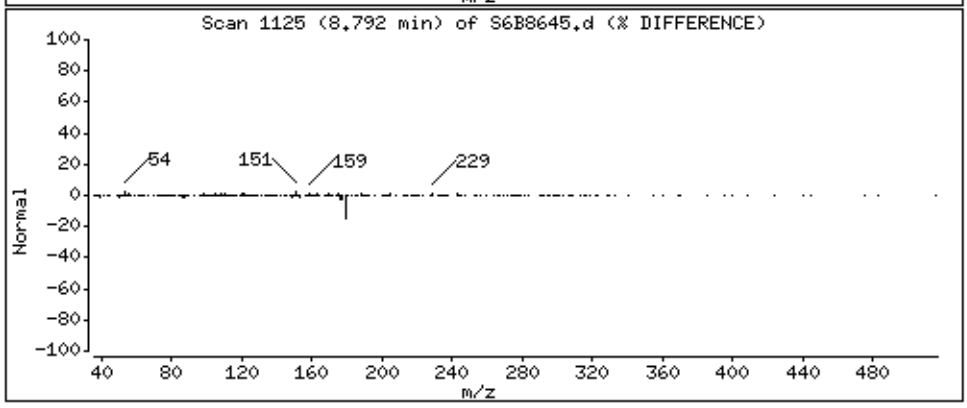












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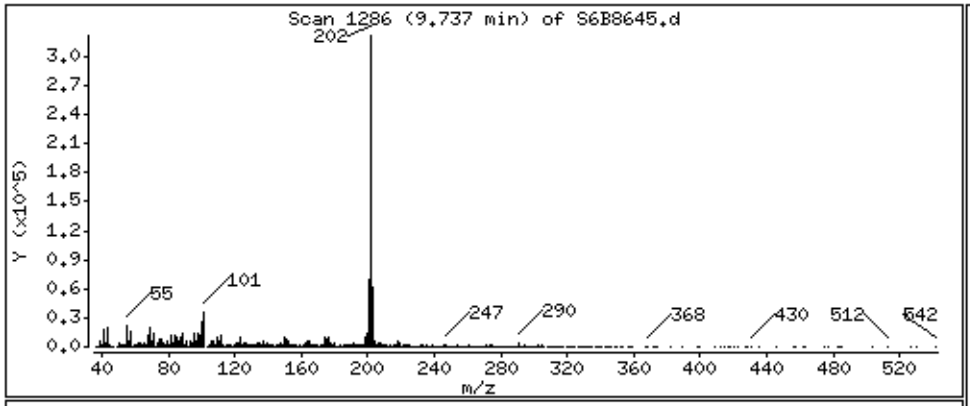
Client ID: SS-24-071014 Instrument: S6.i

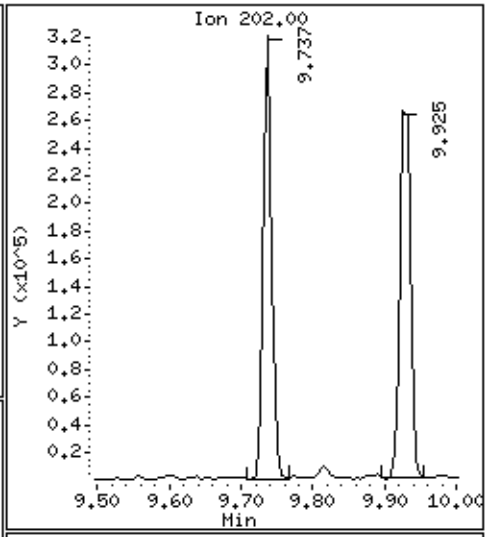
Sample Info: N1194-15A,,78076

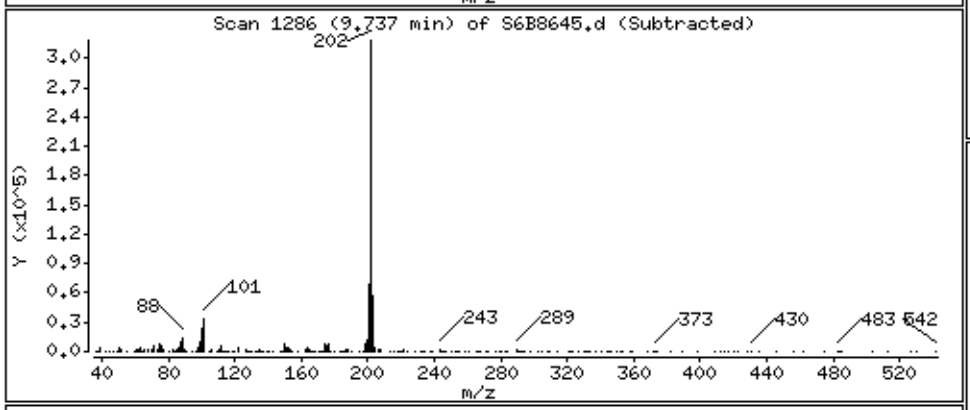
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

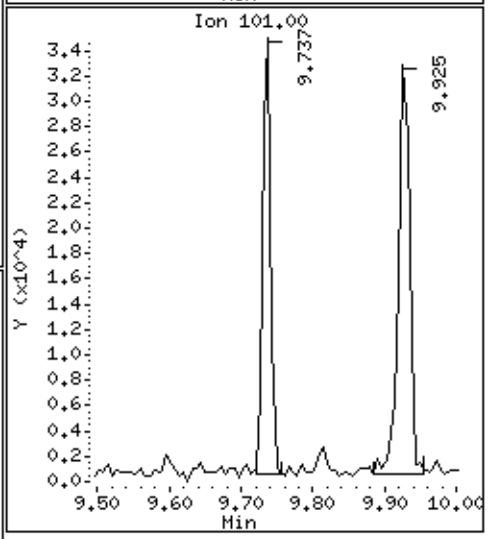
Column phase: Rxi-5Sil MS Column diameter: 0.25

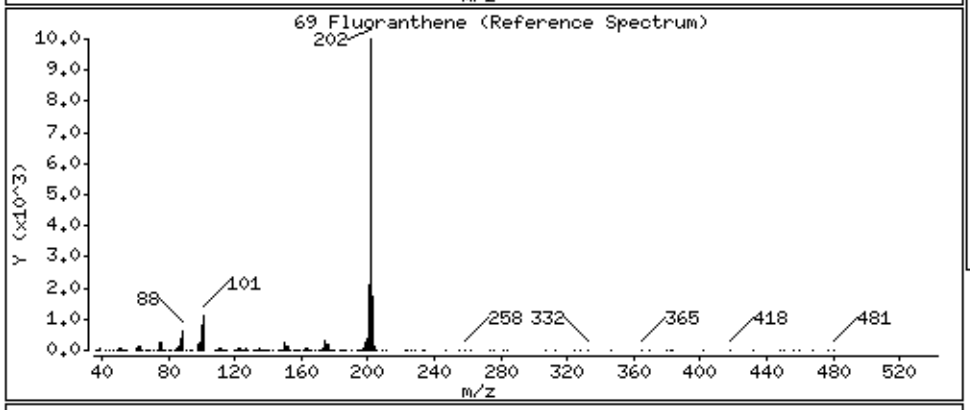
69 Fluoranthene Concentration: 500 ug/Kg

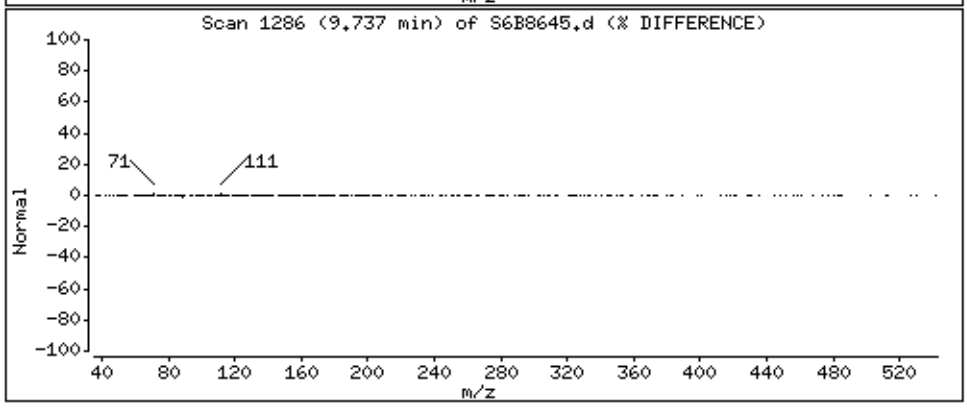












Data File: \\avogadro\organics\S6.I\140717.B\S6B8645.d

Date : 17-JUL-2014 22:02

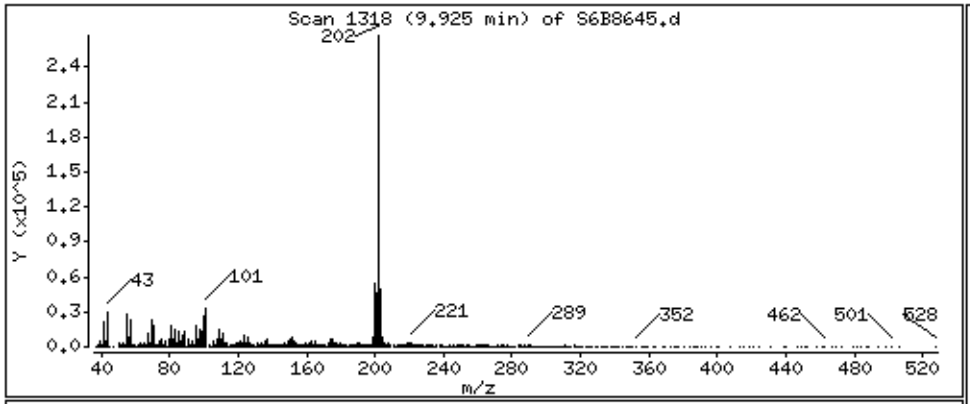
Client ID: SS-24-071014 Instrument: S6.i

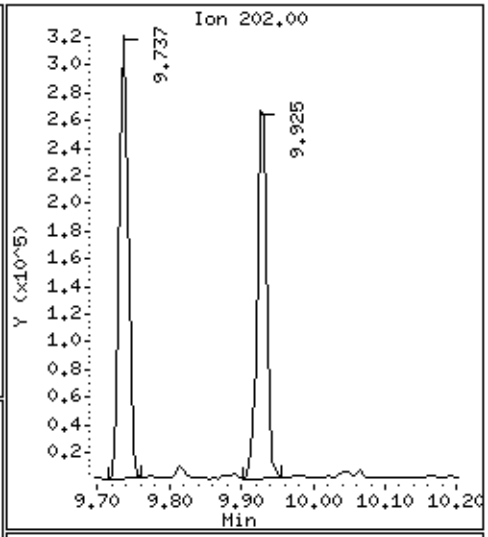
Sample Info: N1194-15A,,78076

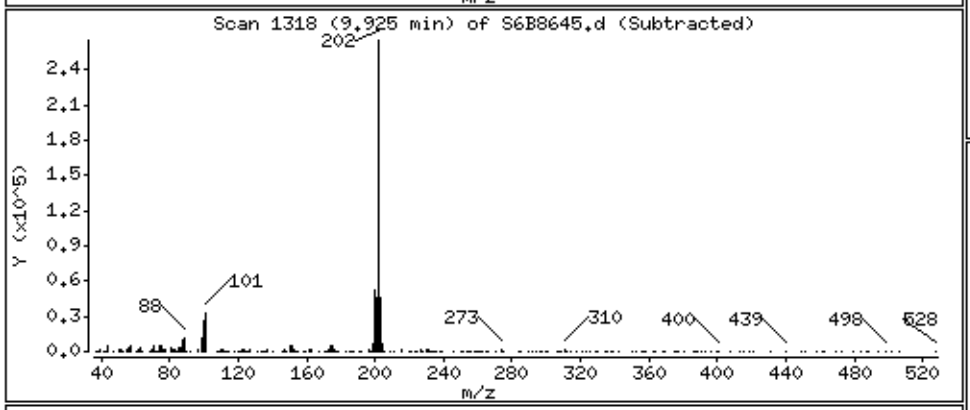
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

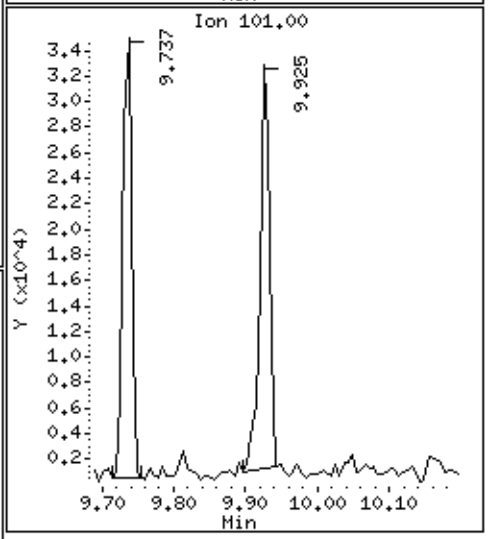
Column phase: Rxi-5Sil MS Column diameter: 0.25

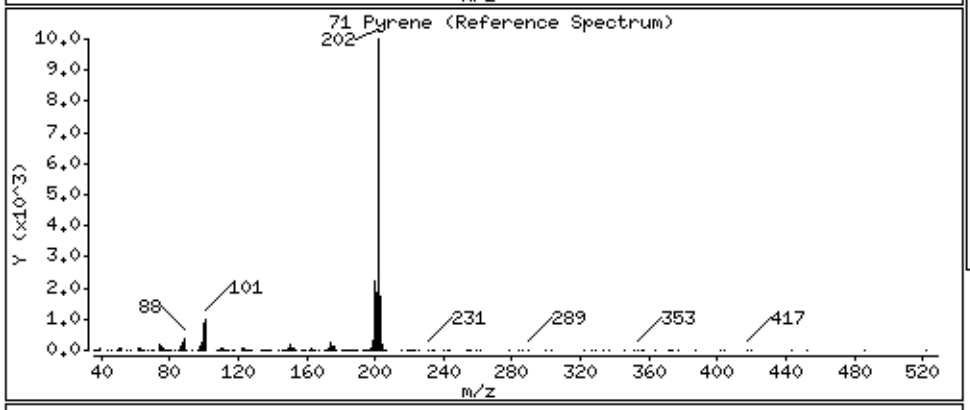
71 Pyrene Concentration: 460 ug/Kg

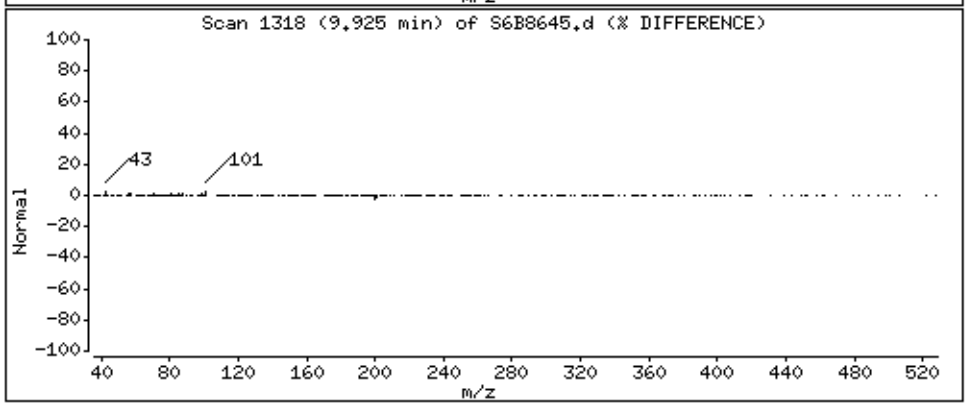












Data File: \\avogadro\organics\S6.I\140717.B\S6B8645.d

Date : 17-JUL-2014 22:02

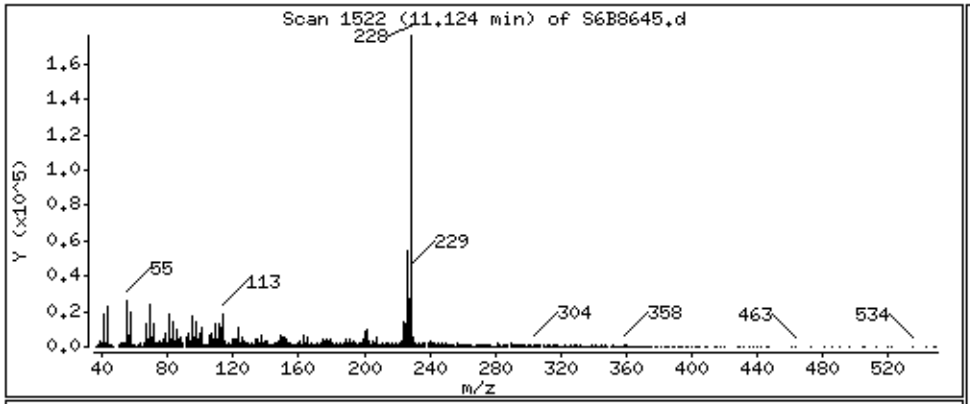
Client ID: SS-24-071014 Instrument: S6.i

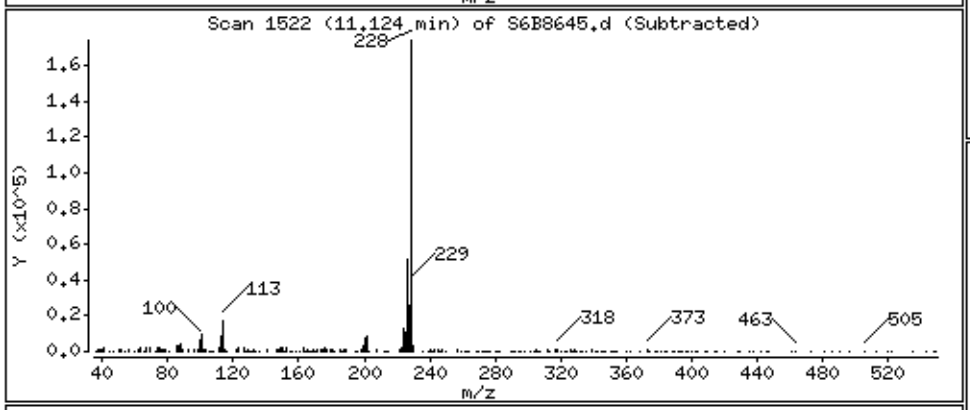
Sample Info: N1194-15A,,78076

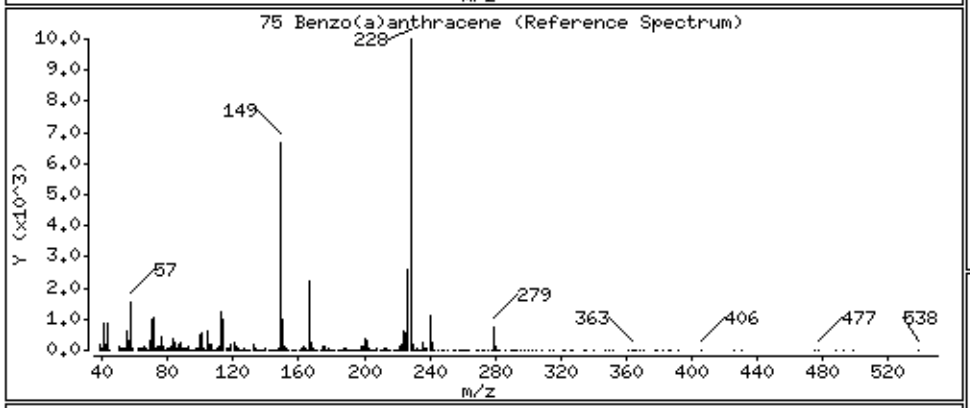
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

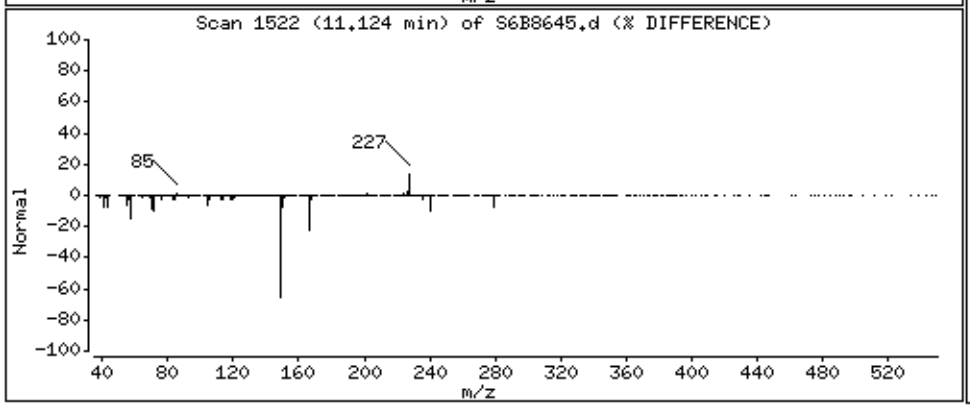
Column phase: Rxi-5Sil MS Column diameter: 0.25

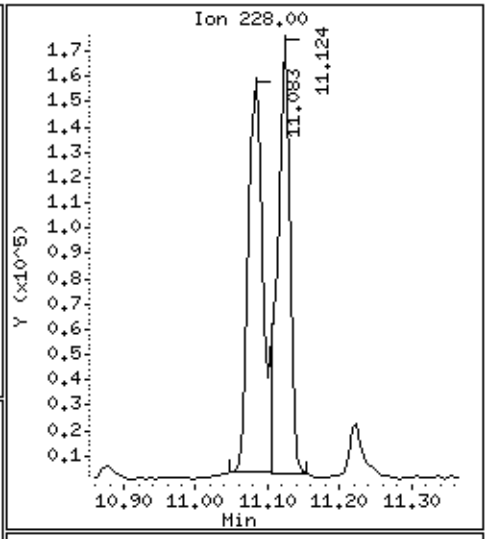
75 Benzo(a)anthracene Concentration: 410 ug/Kg

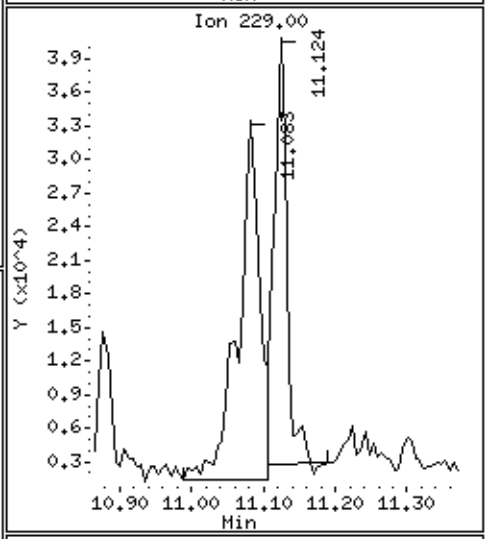


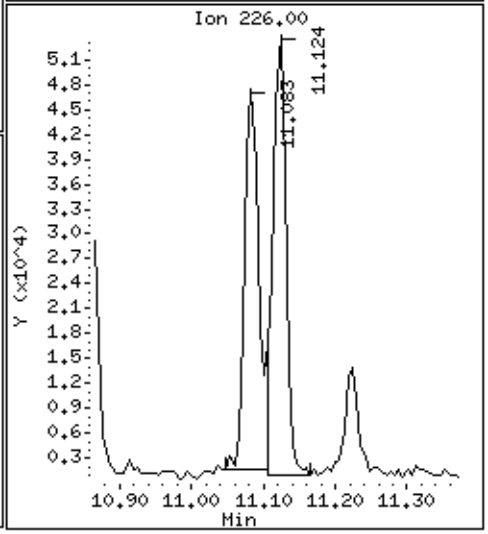












Data File: \\avogadro\organics\S6.I\140717.B\S6B8645.d

Date : 17-JUL-2014 22:02

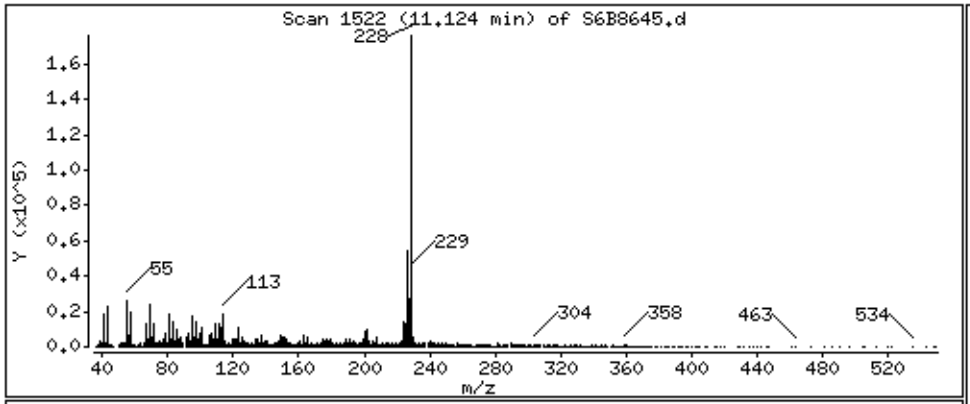
Client ID: SS-24-071014 Instrument: S6.i

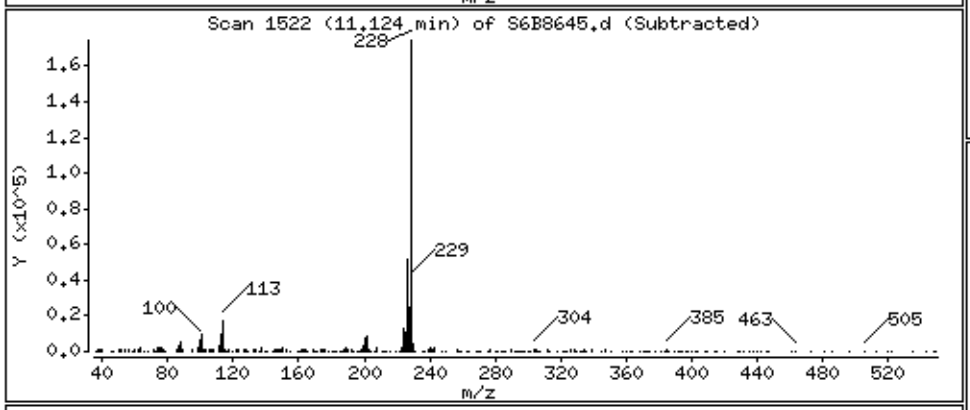
Sample Info: N1194-15A,,78076

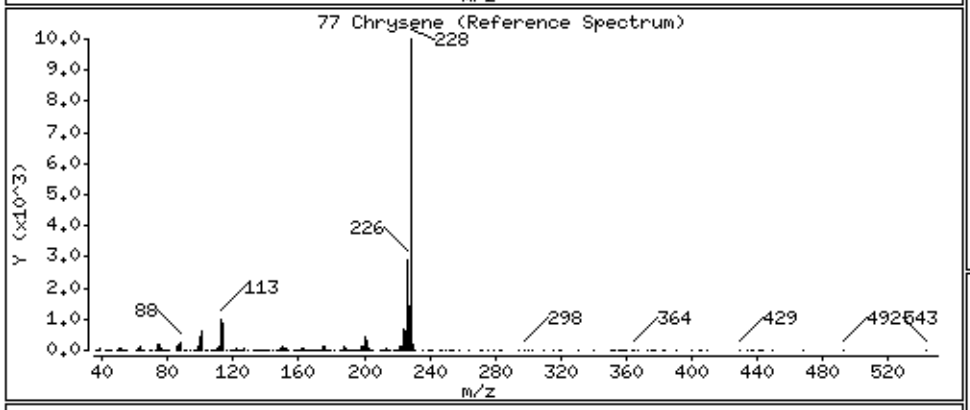
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

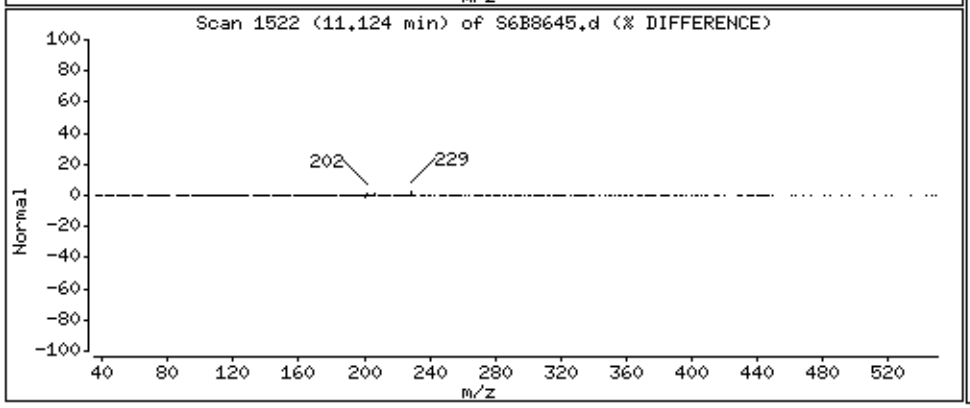
Column phase: Rxi-5Sil MS Column diameter: 0.25

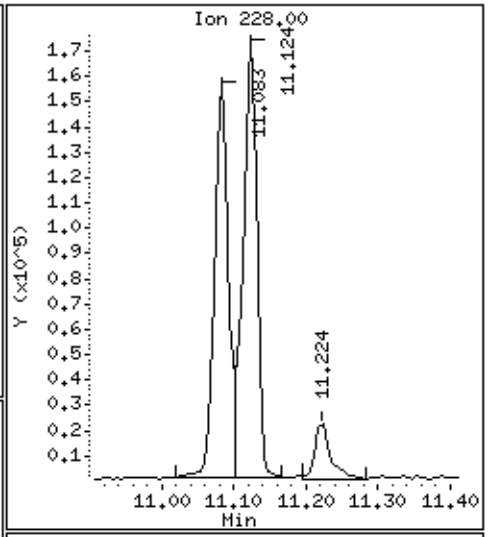
77 Chrysene Concentration: 480 ug/Kg

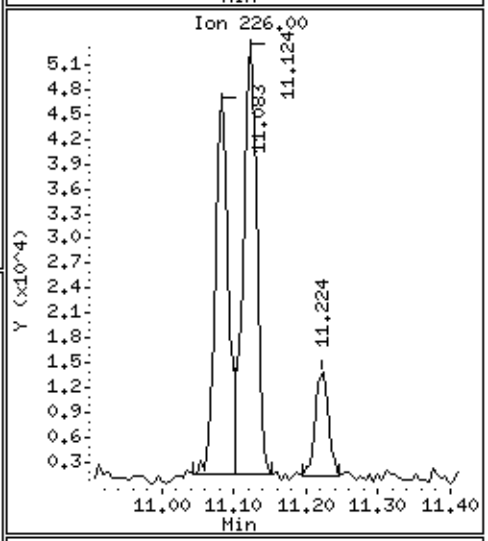


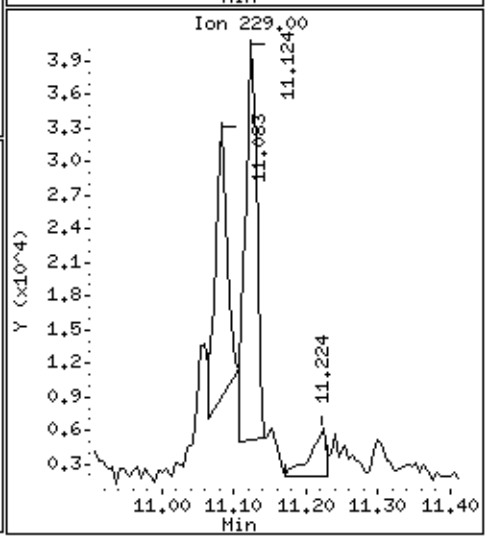












Data File: \\avogadro\organics\S6.I\140717.B\S6B8645.d

Date : 17-JUL-2014 22:02

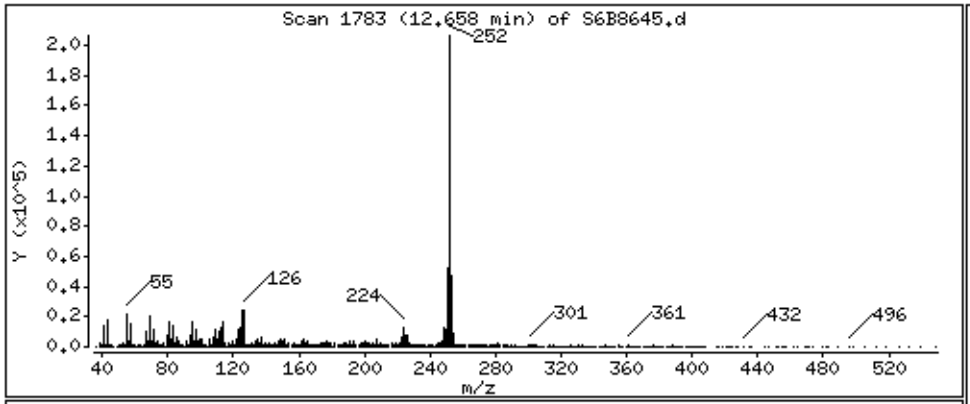
Client ID: SS-24-071014 Instrument: S6.i

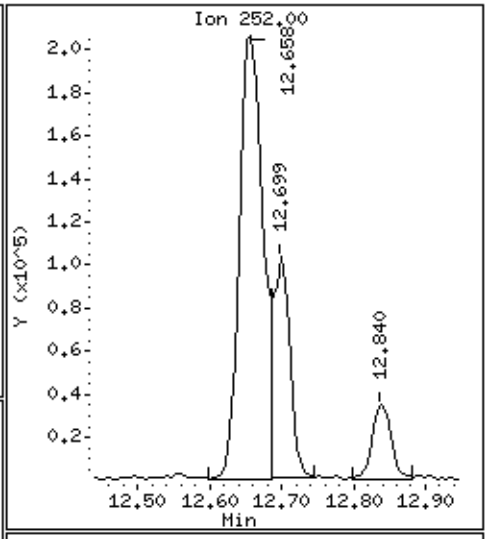
Sample Info: N1194-15A,,78076

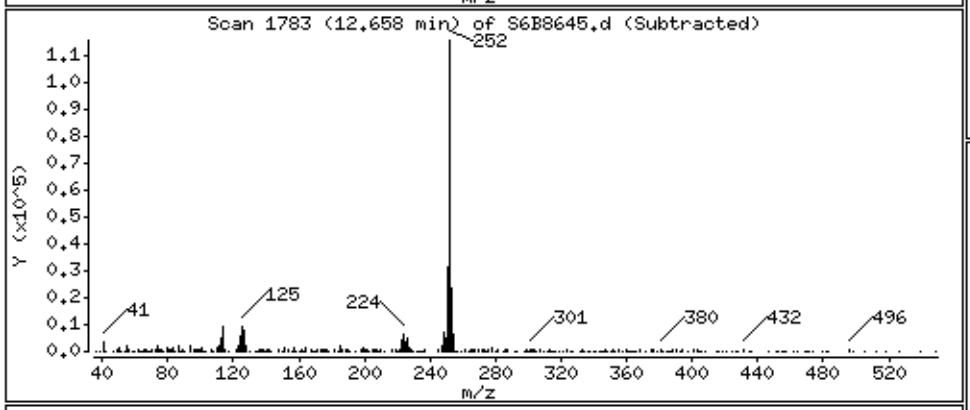
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

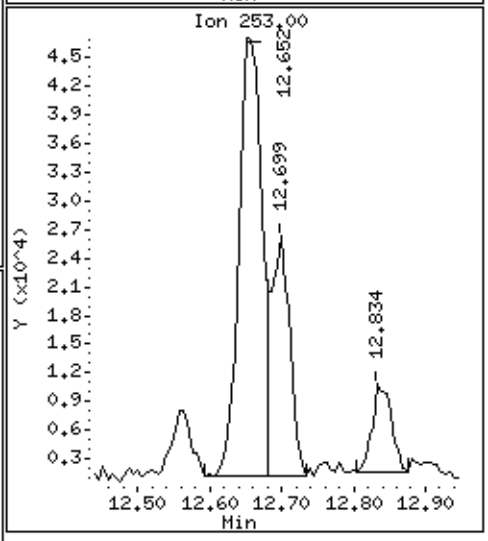
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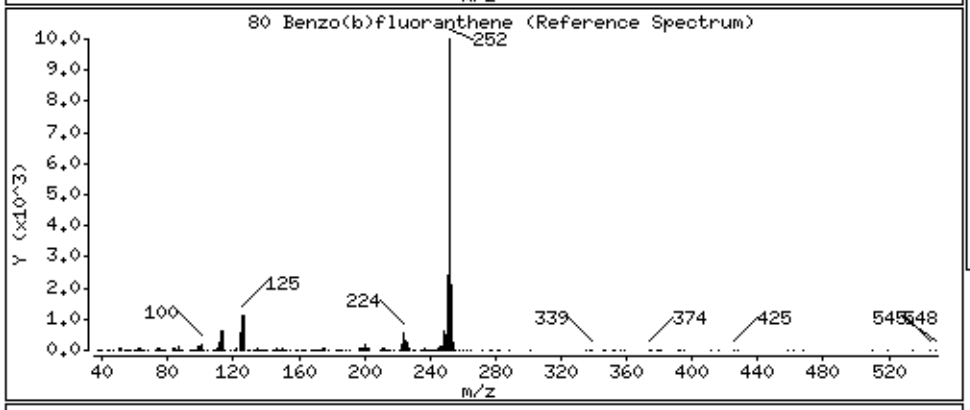
80 Benzo(b)fluoranthene Concentration: 860 ug/Kg

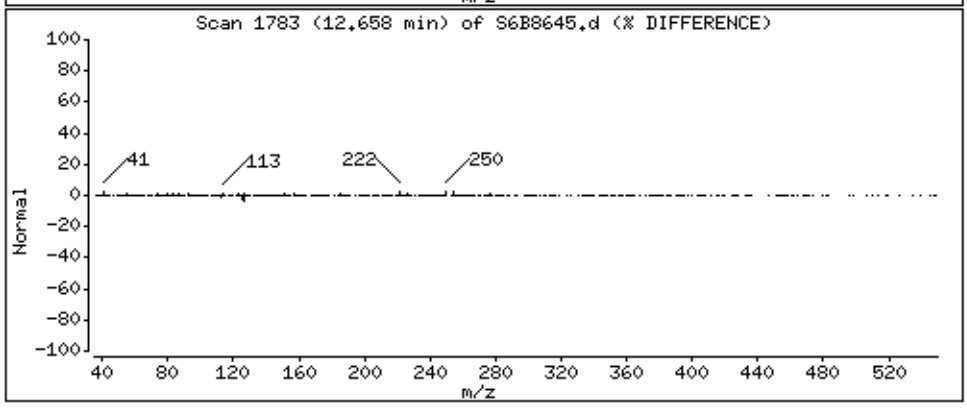












Data File: \\avogadro\organics\S6.I\140717.B\S6B8645.d

Date : 17-JUL-2014 22:02

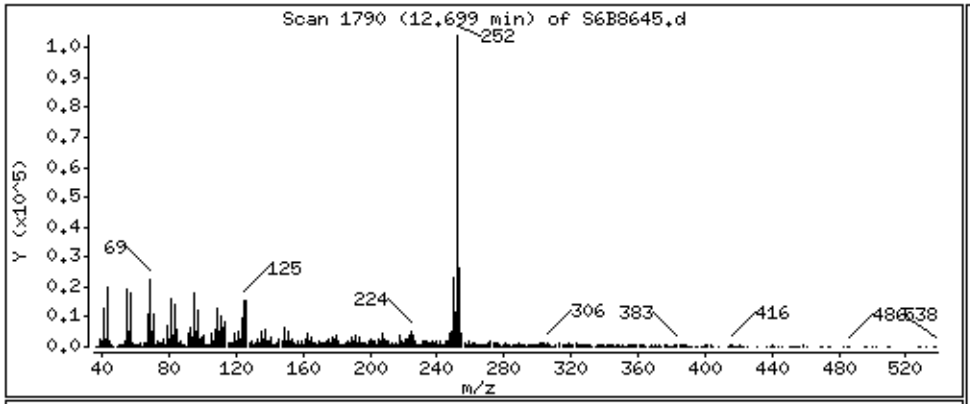
Client ID: SS-24-071014 Instrument: S6.i

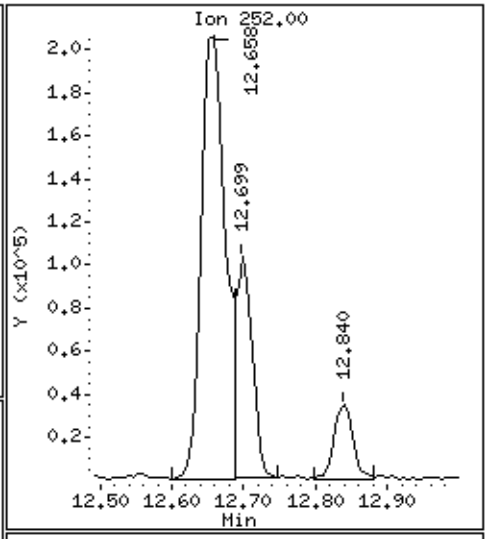
Sample Info: N1194-15A,,78076

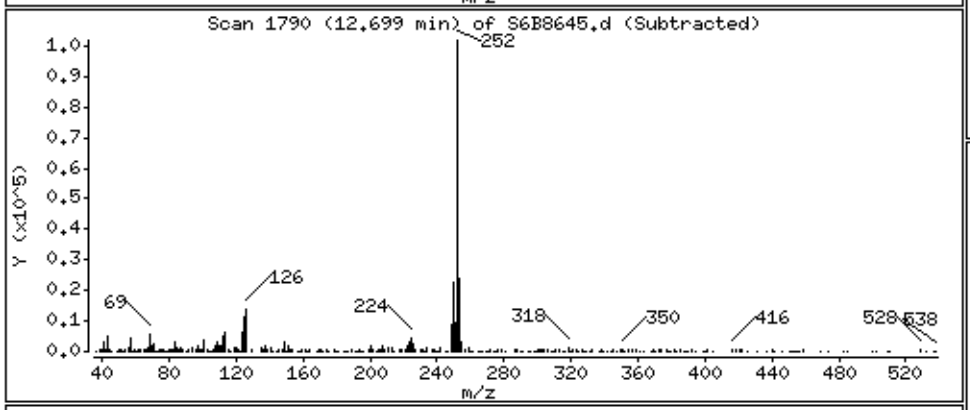
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

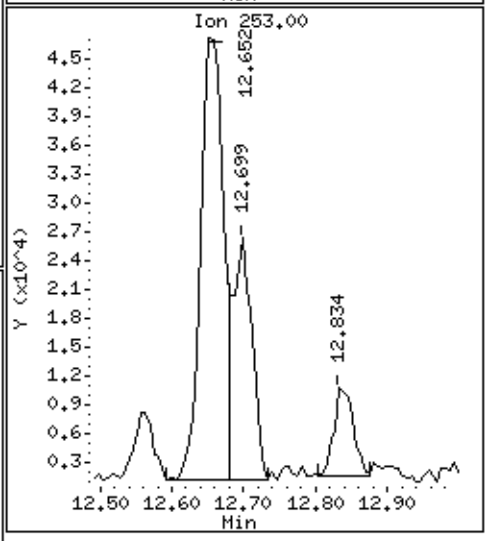
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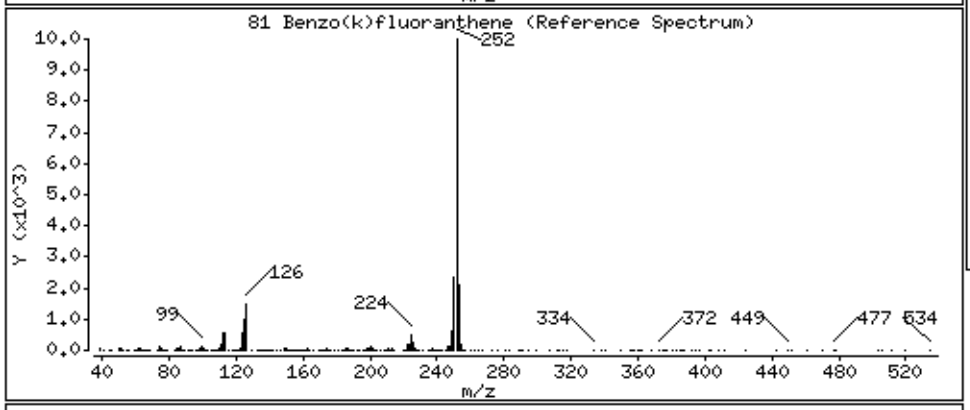
81 Benzo(k)fluoranthene Concentration: 300 ug/Kg

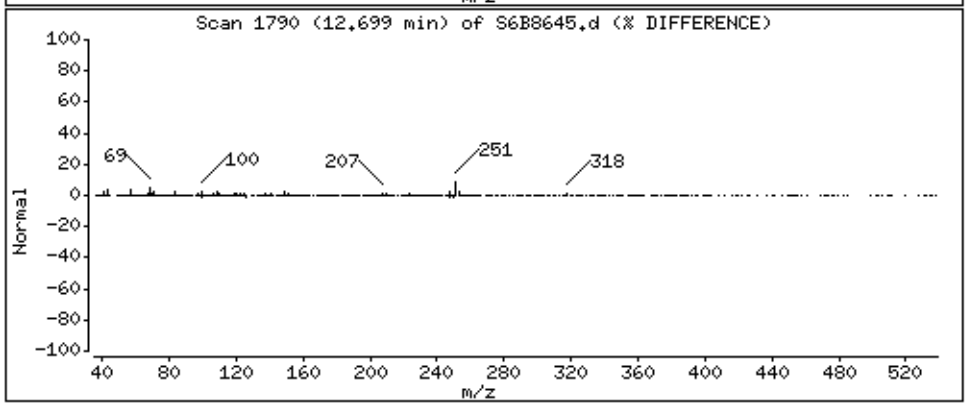












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Date : 17-JUL-2014 22:02

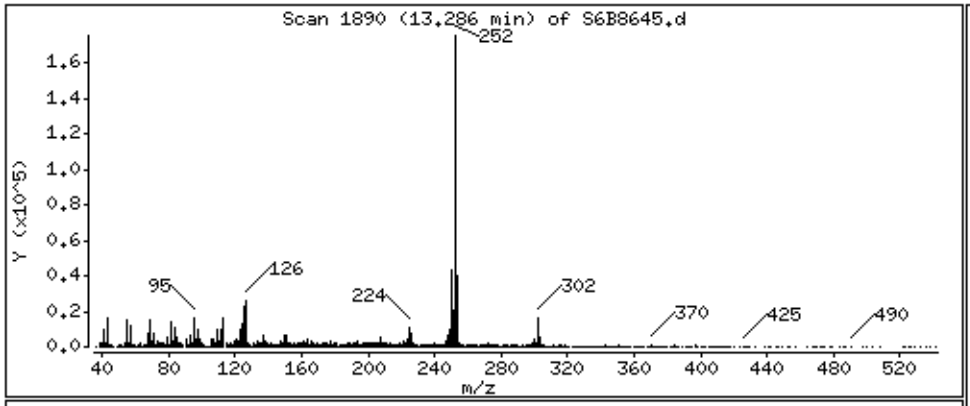
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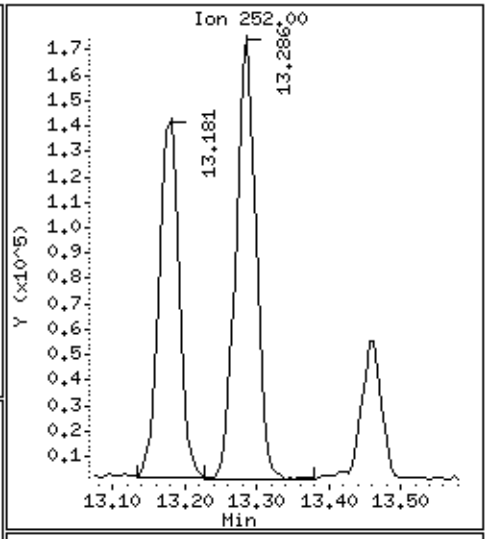
Sample Info: N1194-15A,,78076

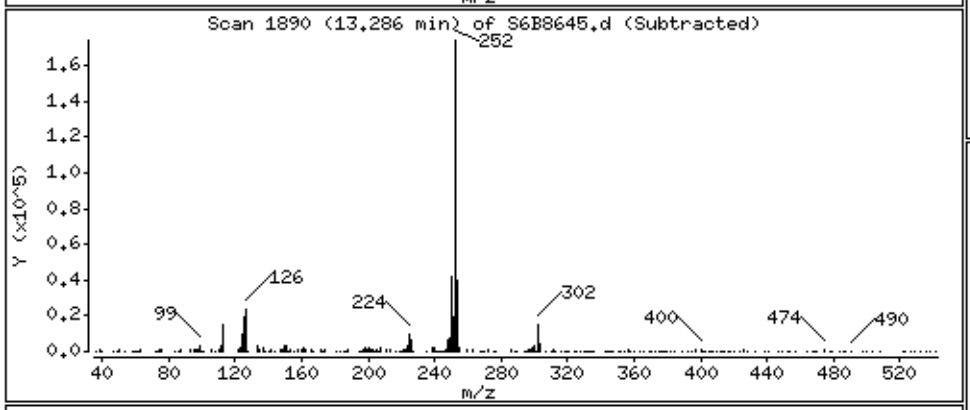
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

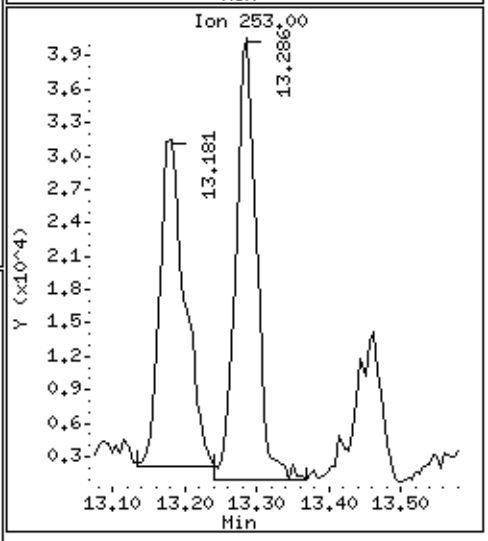
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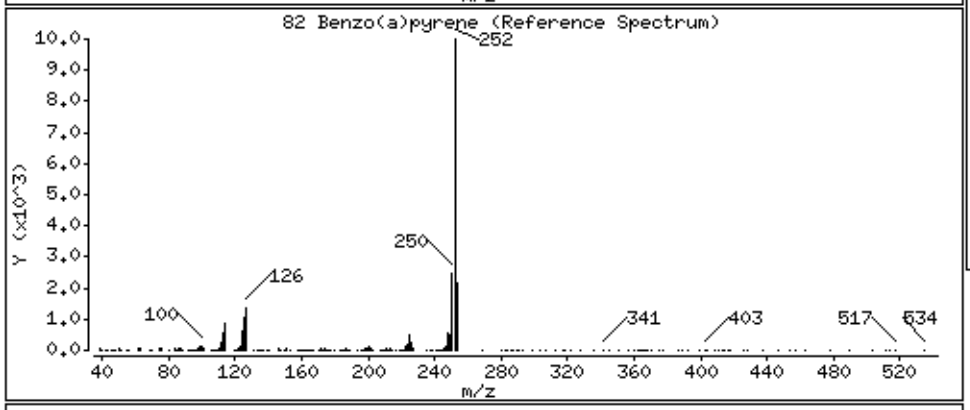
82 Benzo(a)pyrene Concentration: 620 ug/Kg

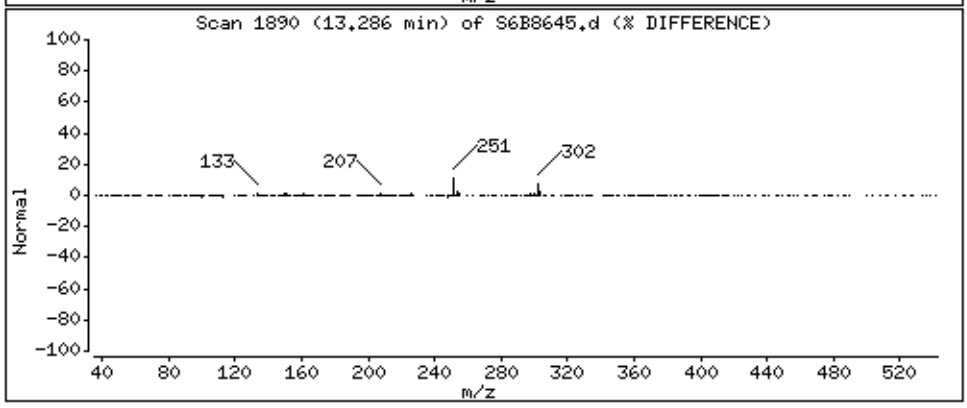












Data File: \\avogadro\organics\S6.I\140717.B\S6B8645.d

Date : 17-JUL-2014 22:02

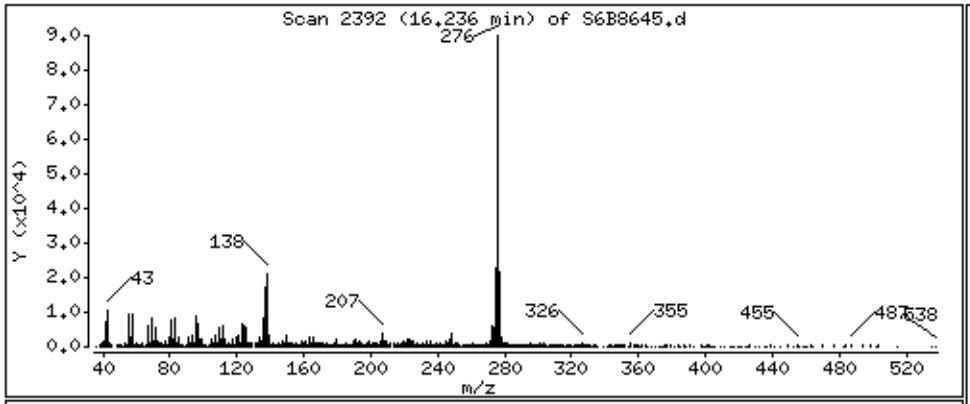
Client ID: SS-24-071014 Instrument: S6.i

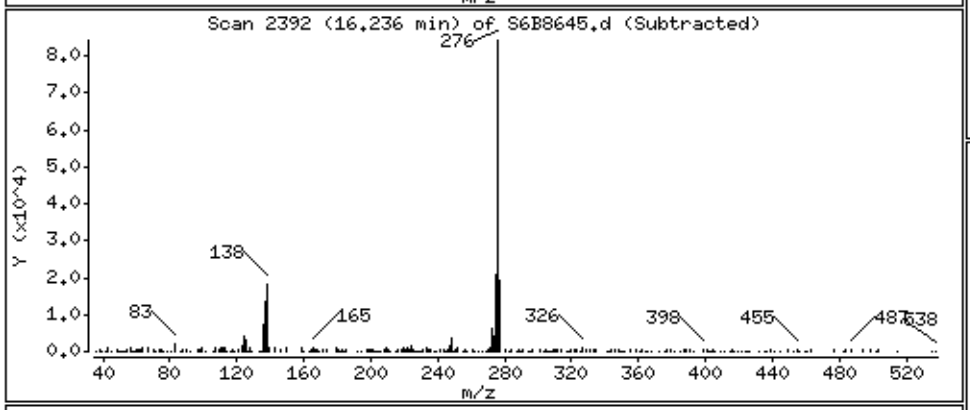
Sample Info: N1194-15A,,78076

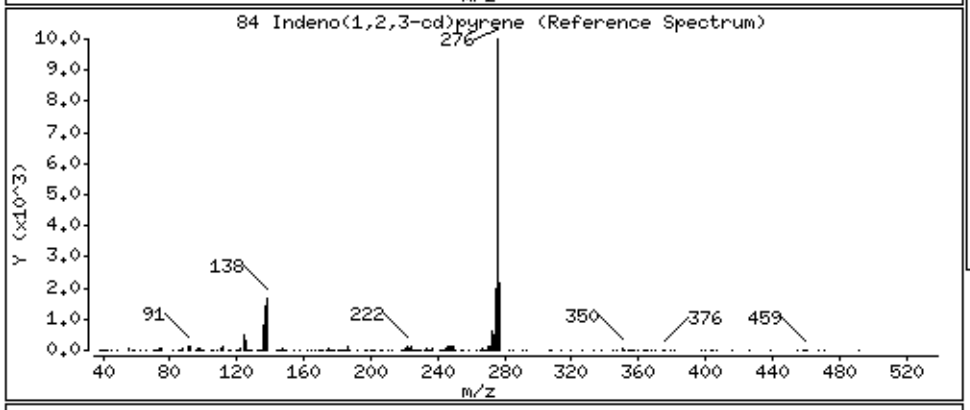
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

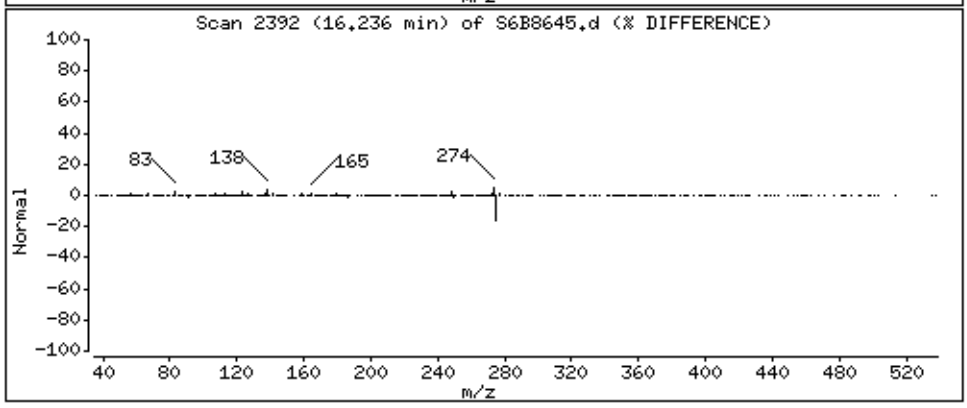
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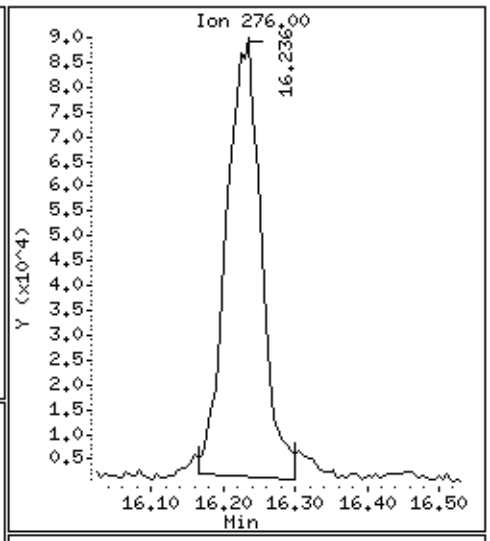
84 Indeno(1,2,3-cd)pyrene Concentration: 640 ug/Kg

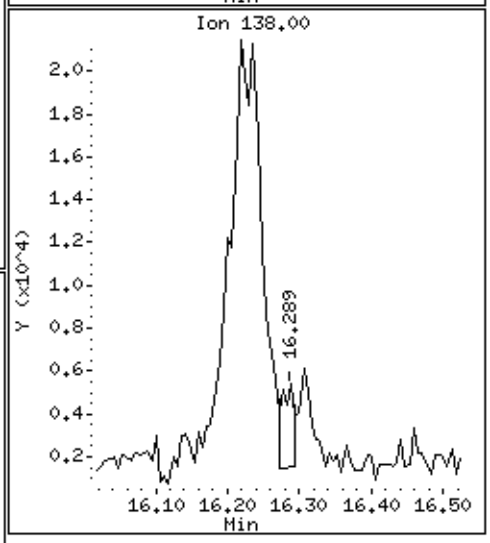












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Date : 17-JUL-2014 22:02

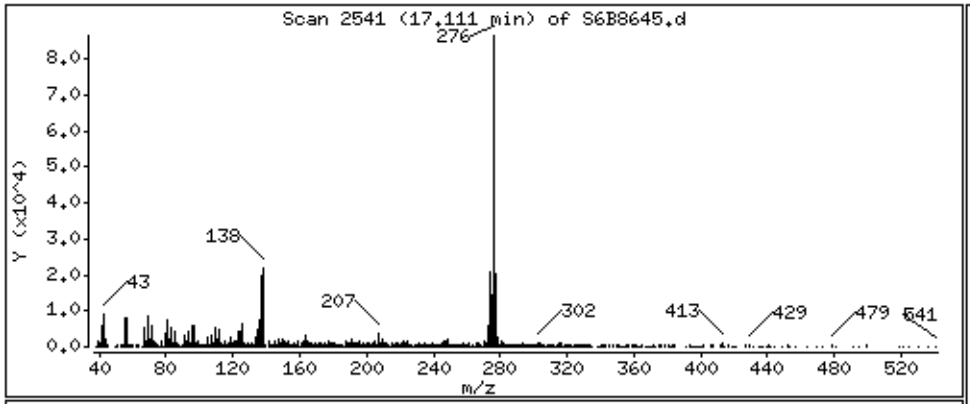
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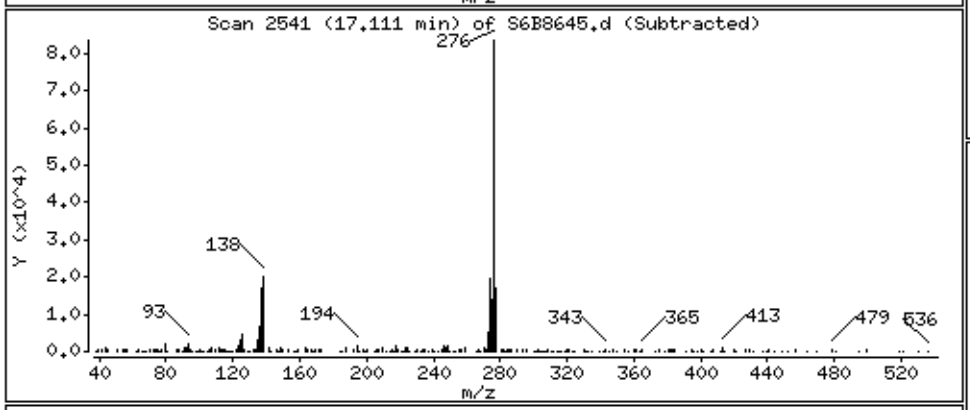
Sample Info: N1194-15A,,78076

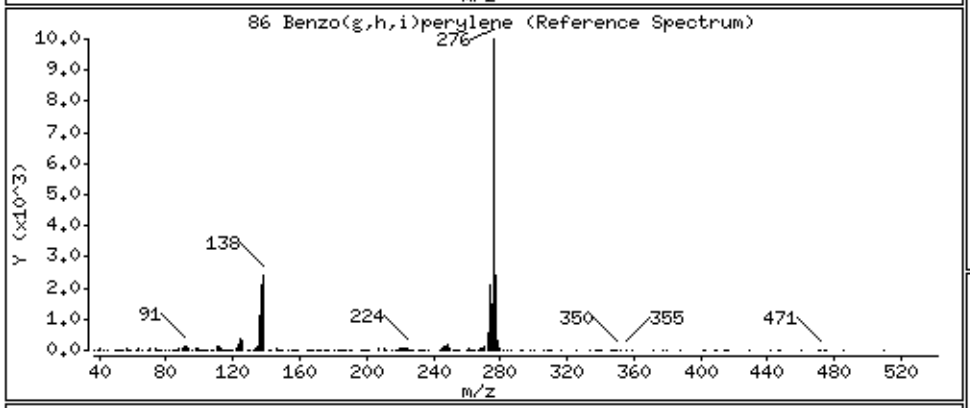
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

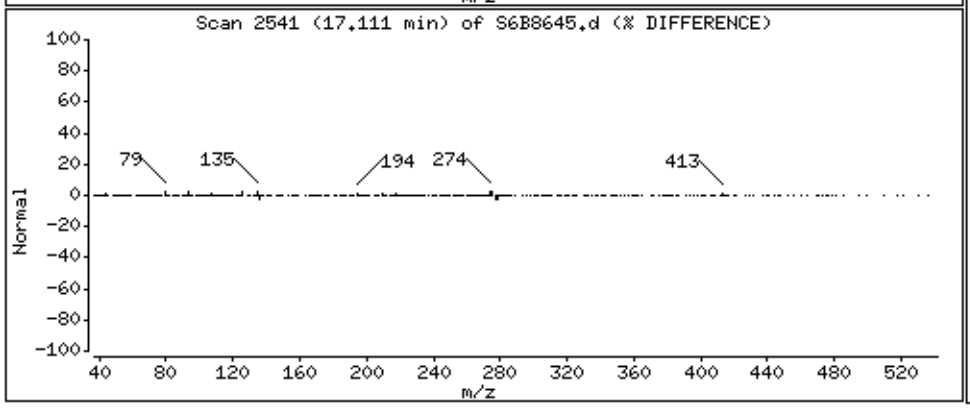
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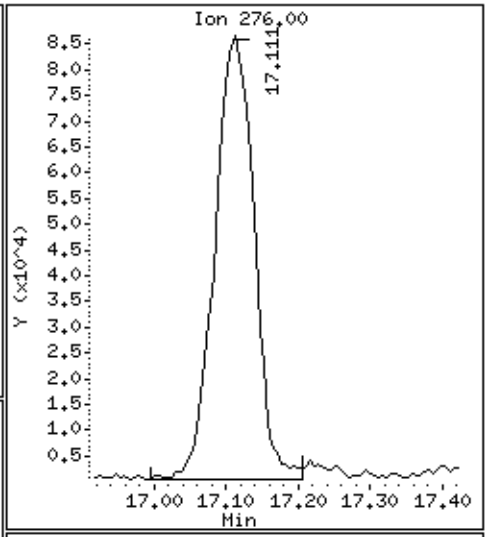
86 Benzo(g,h,i)perylene Concentration: 670 ug/Kg

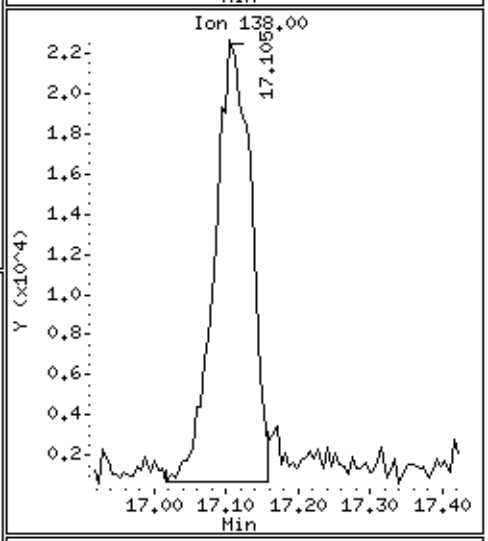


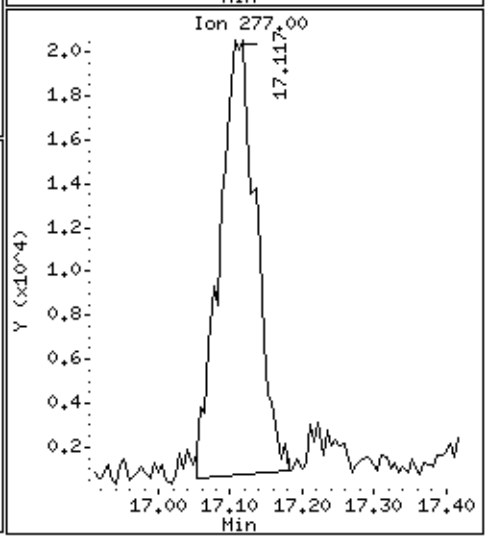












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-FD-03-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-16A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8646.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	87	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	250	J
120-12-7	Anthracene	92	J
206-44-0	Fluoranthene	640	
129-00-0	Pyrene	610	
56-55-3	Benzo(a)anthracene	560	
218-01-9	Chrysene	720	
205-99-2	Benzo(b)fluoranthene	1200	
207-08-9	Benzo(k)fluoranthene	480	
50-32-8	Benzo(a)pyrene	980	
193-39-5	Indeno(1,2,3-cd)pyrene	990	
53-70-3	Dibenzo(a,h)anthracene	180	J
191-24-2	Benzo(g,h,i)perylene	990	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d
Report Date: 18-Jul-2014 15:44

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8646.d
Lab Smp Id: N1194-16A Client Smp ID: SS-FD-03-071014
Inj Date : 17-JUL-2014 22:25
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-16A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.100	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

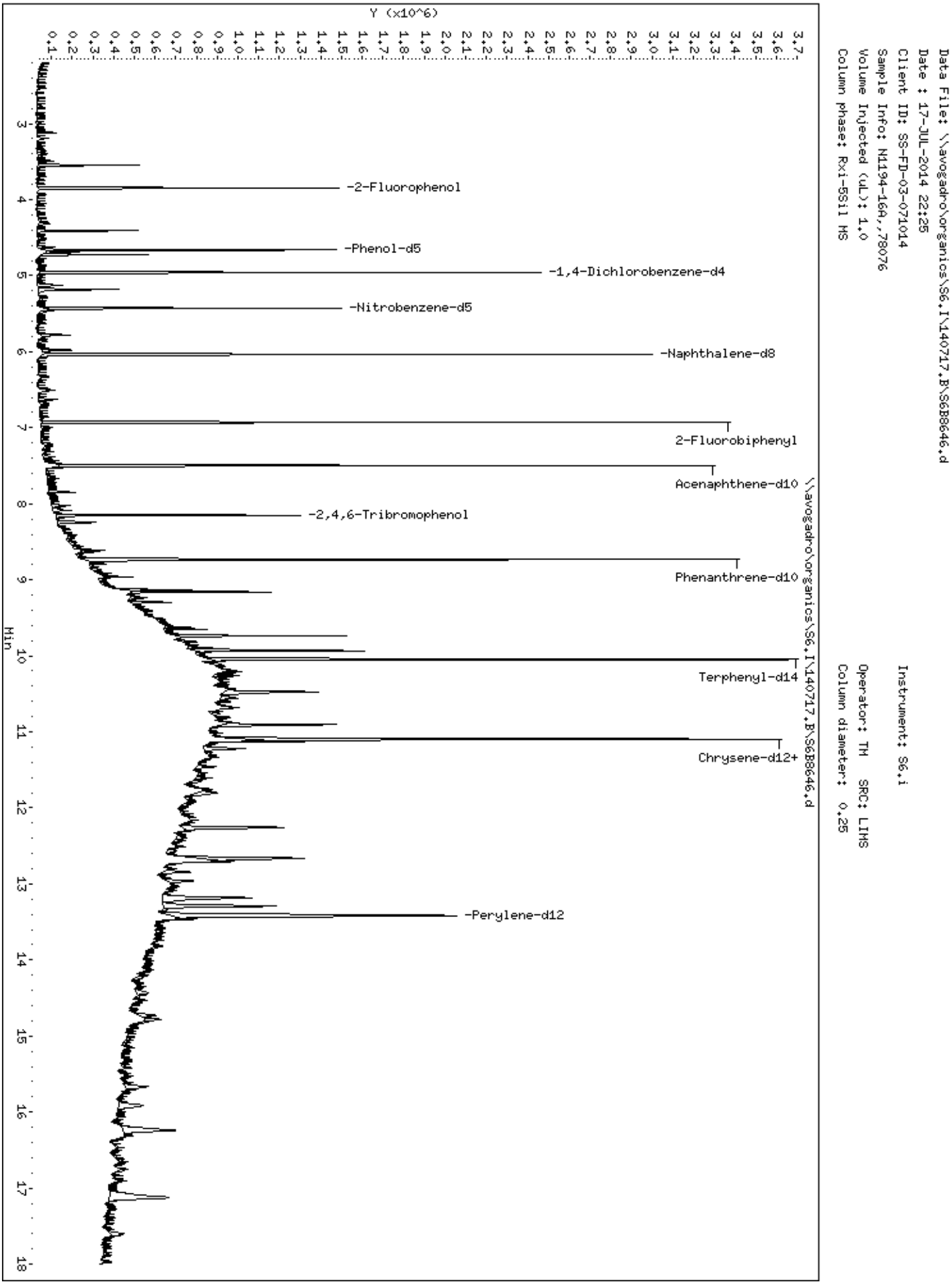
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.850	3.832	(0.776)	335666	33.1614	2200
$	5 Phenol-d5	99	4.660	4.655	(0.940)	407276	31.5175	2100
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	305590	40.0000	
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	409699	39.3392	2600
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	1010426	40.0000	
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	838944	38.7921	2600
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	617989	40.0000	
	49 Acenaphthene	153	7.522	7.528	(1.003)	20762	1.10479	73(a)
$	60 2,4,6-Tribromophenol	330	8.150	8.156	(0.933)	92445	35.3056	2300
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1137365	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.002)	97785	3.18393	210(a)
	66 Anthracene	178	8.791	8.797	(1.007)	36559	1.16833	77(a)
	69 Fluoranthene	202	9.737	9.749	(1.115)	283789	8.07387	530(a)
	71 Pyrene	202	9.931	9.949	(0.895)	277677	7.75590	510(a)
$	72 Terphenyl-d14	244	10.048	10.060	(0.905)	845357	36.3538	2400
	75 Benzo(a)anthracene	228	11.082	11.112	(0.998)	234561	7.06726	470(aH)
*	76 Chrysene-d12	240	11.100	11.130	(1.000)	1162434	40.0000	
	77 Chrysene	228	11.124	11.159	(1.002)	275464	9.04299	600(a)
	80 Benzo(b)fluoranthene	252	12.663	12.692	(0.944)	554125	15.2240	1000(H)

Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d
Report Date: 18-Jul-2014 15:44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)	
	81 Benzo(k)fluoranthene	252	12.704	12.745	(0.947)	226055	6.11680	400(a)	
	82 Benzo(a)pyrene	252	13.292	13.327	(0.991)	431512	12.4260	820	
*	83 Perylene-d12	264	13.415	13.450	(1.000)	1238023	40.0000		
	84 Indeno(1,2,3-cd)pyrene	276	16.241	16.277	(1.211)	379894	12.5377	830	
	85 Dibenzo(a,h)anthracene	278	16.318	16.376	(1.216)	65835	2.23320	150(aM)M6 TM 07/18	
	86 Benzo(g,h,i)perylene	276	17.128	17.170	(1.277)	390178	12.4693	820	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.


Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d
Date : 17-JUL-2014 22:25
Client ID: SS-FD-03-071014
Sample Info: N1194-16A,,78076
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS
Instrument: S6.i
Operator: TM SRC: LIMS
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
2-Fluorobiphenyl
Acenaphthene-d10
-2,4,6-Tribromophenol
Phenanthrene-d10
Terphenyl-d14
Chrysene-d12+
-Perylene-d12
\\avogadro\organics\S6.I\140717.B\S6B8646.d

Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d

Date : 17-JUL-2014 22:25

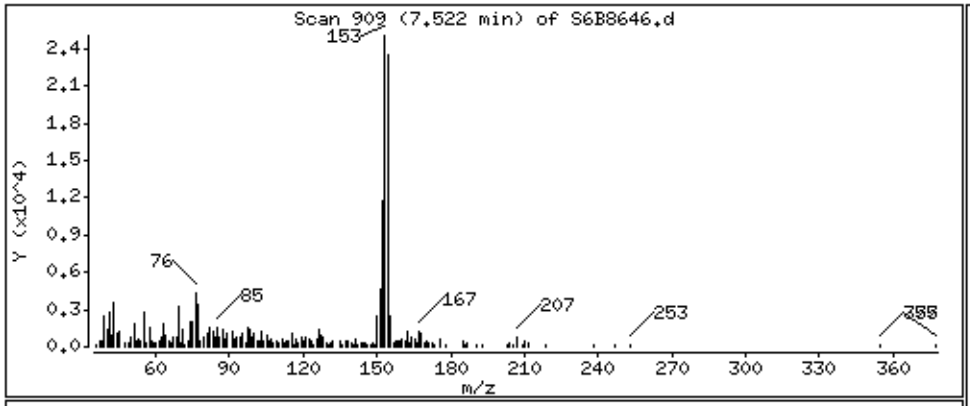
Client ID: SS-FD-03-071014 Instrument: S6.i

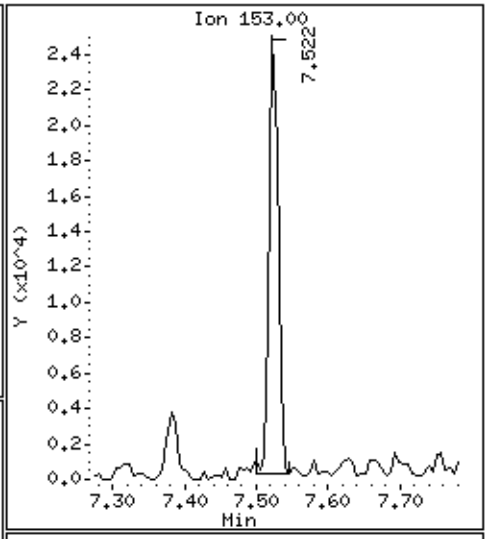
Sample Info: N1194-16A,,78076

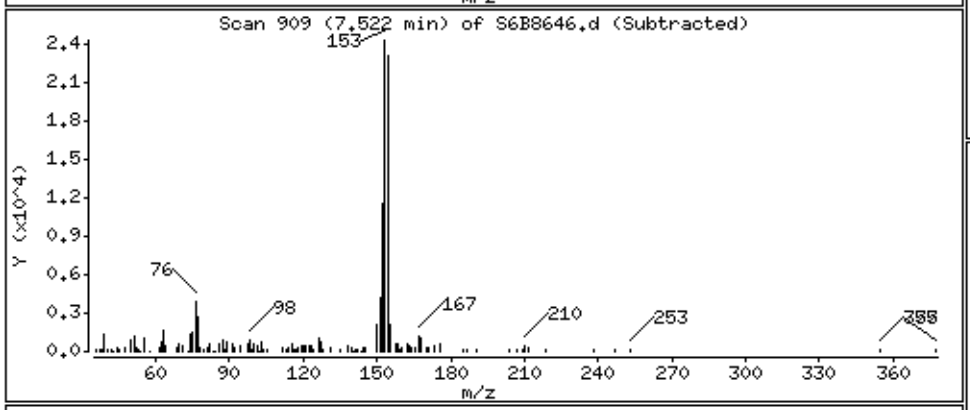
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

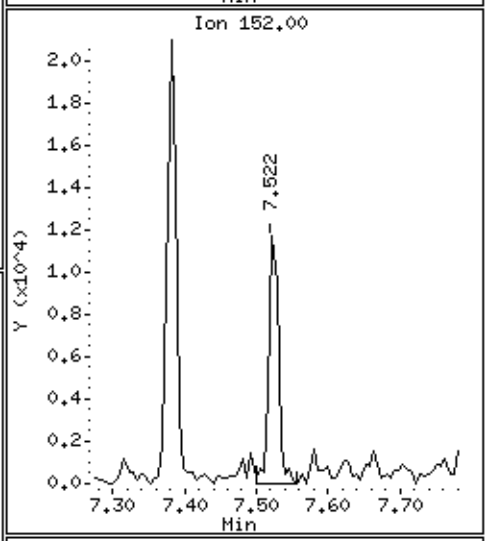
Column phase: Rxi-5Sil MS Column diameter: 0.25

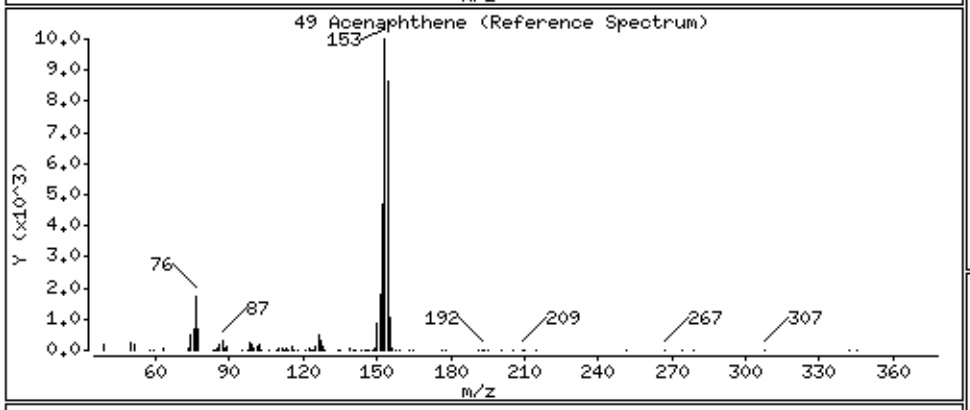
49 Acenaphthene Concentration: 73 ug/Kg

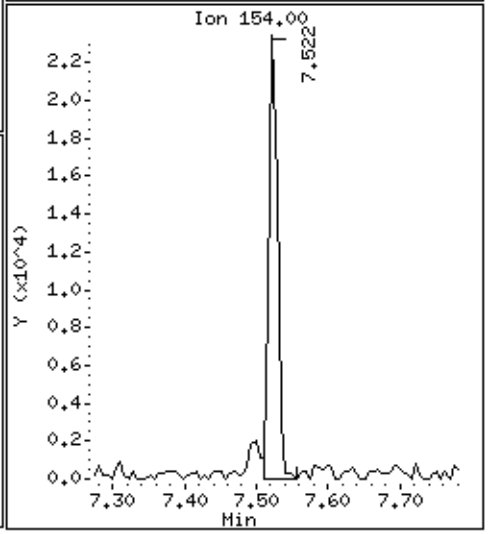


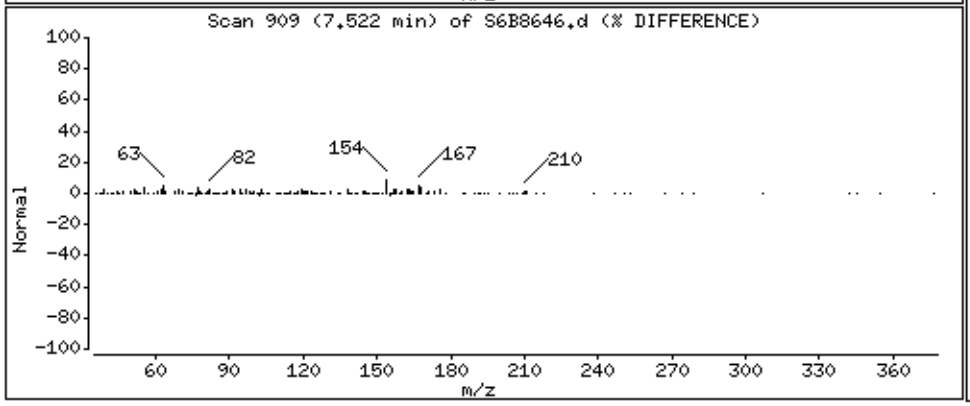












Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d

Date : 17-JUL-2014 22:25

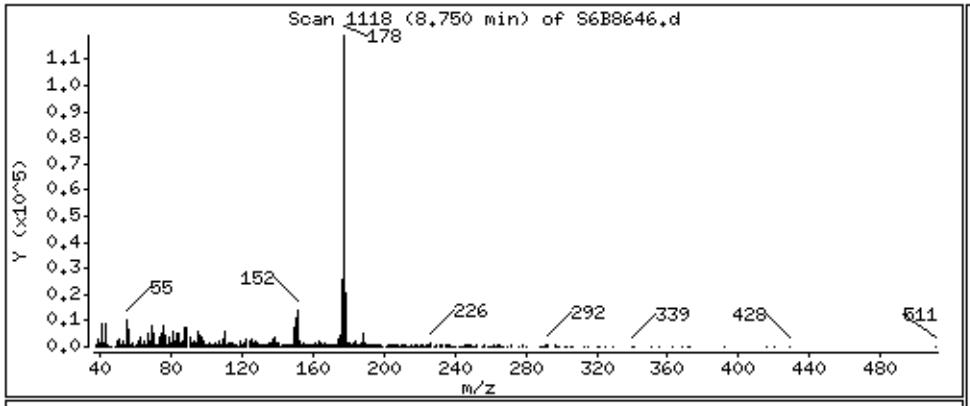
Client ID: SS-FD-03-071014 Instrument: S6.i

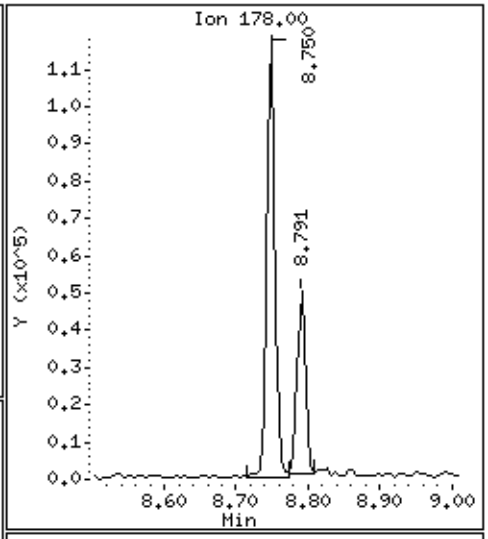
Sample Info: N1194-16A,,78076

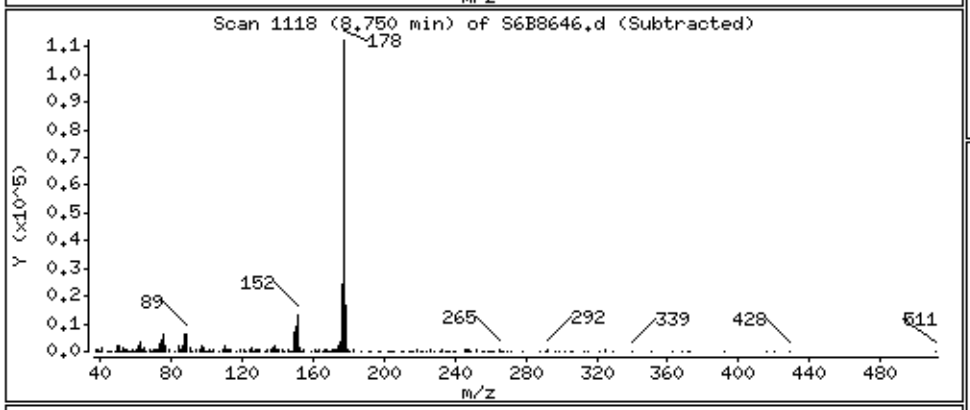
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

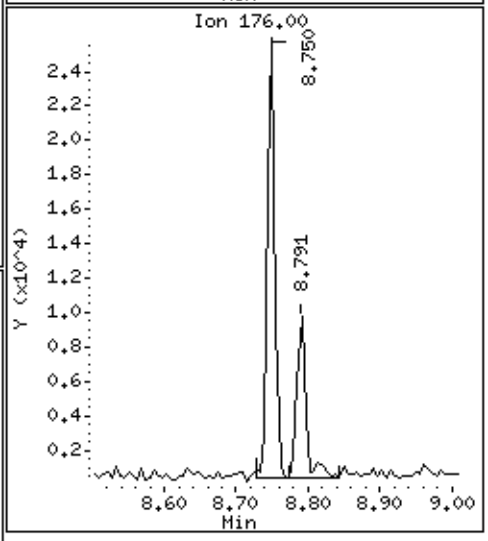
Column phase: Rxi-5Sil MS Column diameter: 0.25

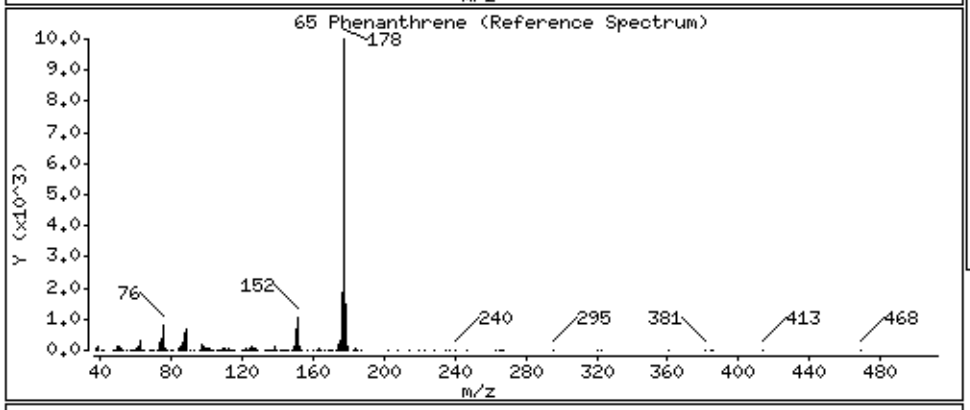
65 Phenanthrene Concentration: 210 ug/Kg

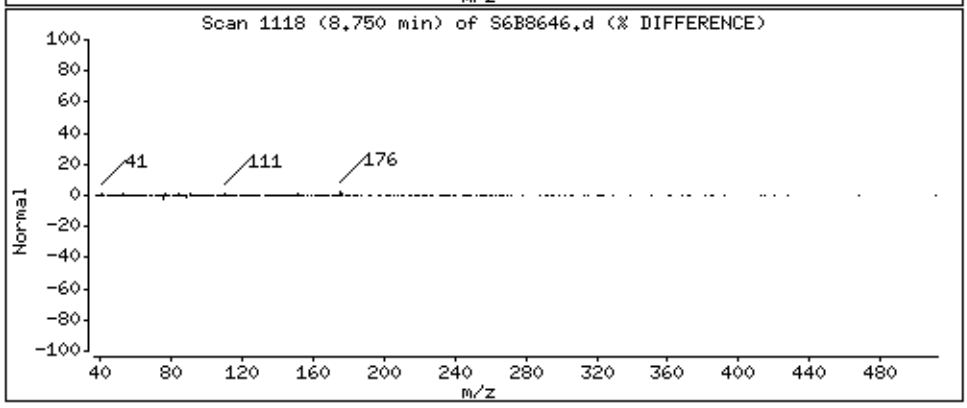












Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d

Date : 17-JUL-2014 22:25

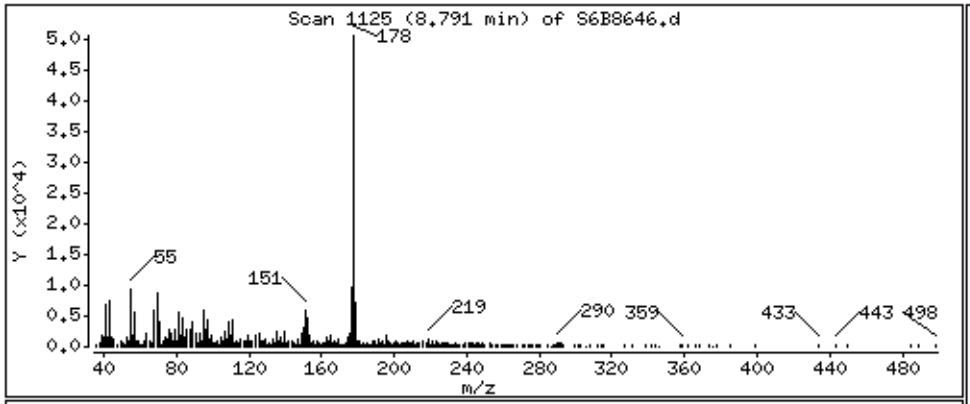
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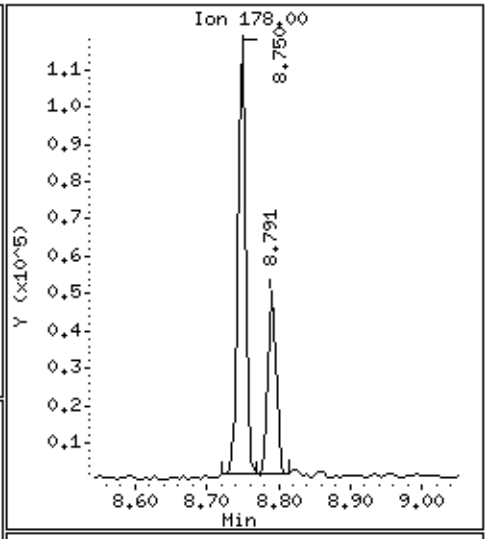
Sample Info: N1194-16A,,78076

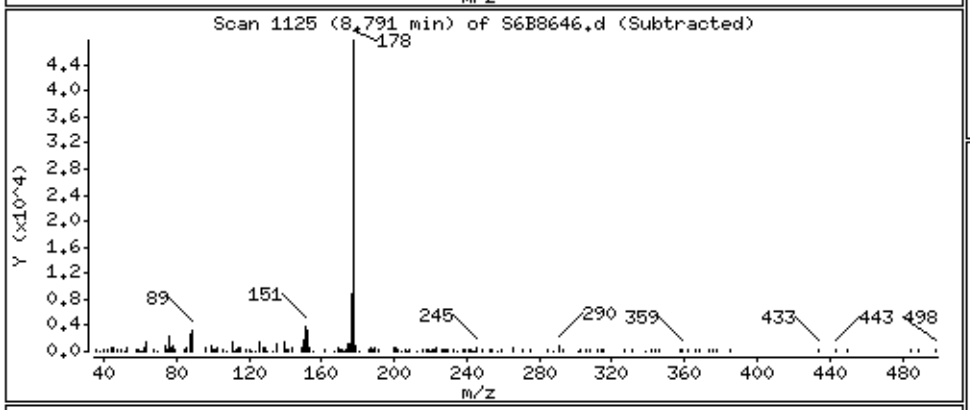
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

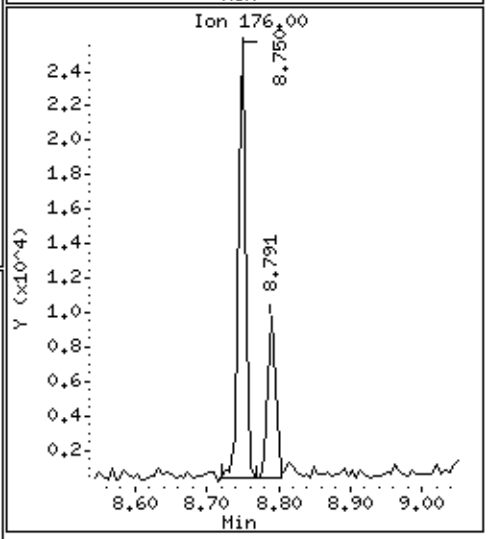
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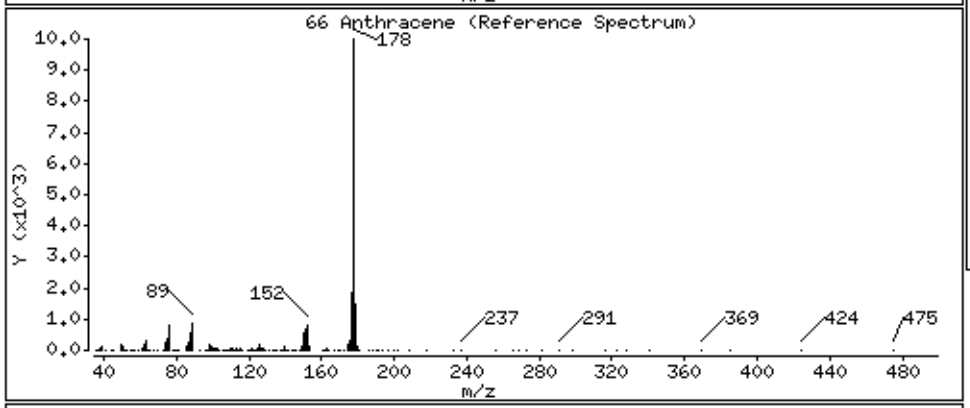
66 Anthracene Concentration: 77 ug/Kg

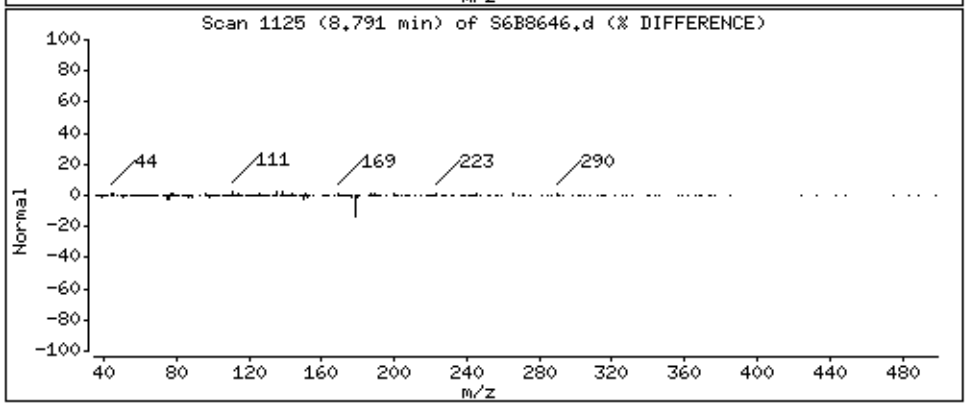












Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d

Date : 17-JUL-2014 22:25

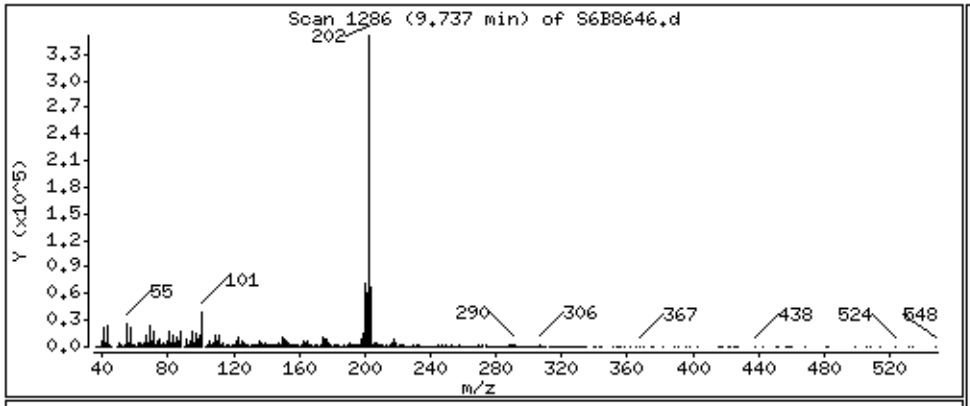
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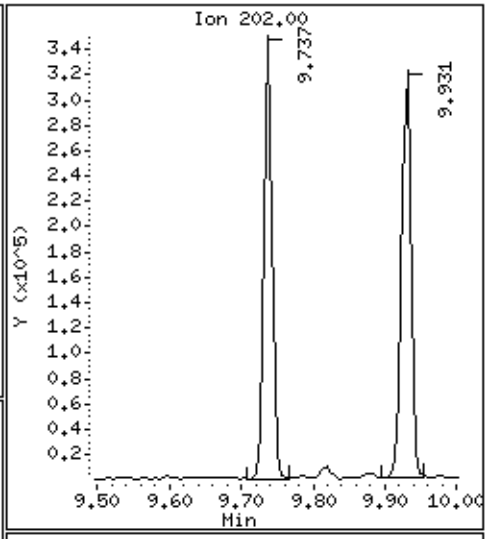
Sample Info: N1194-16A,,78076

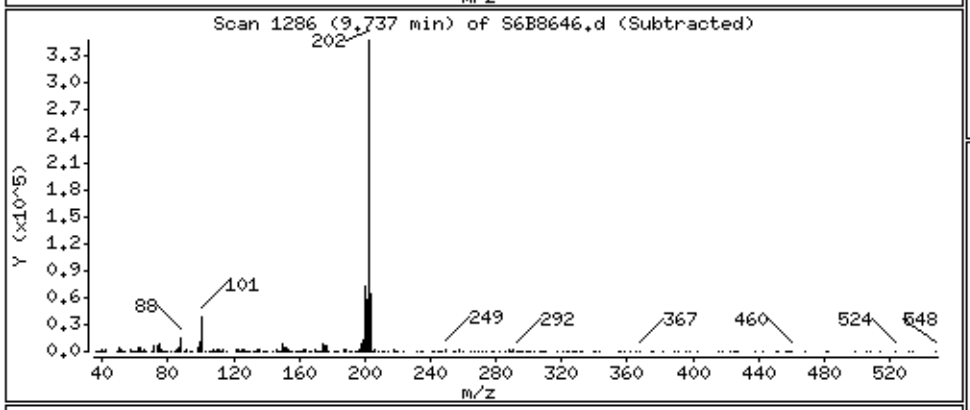
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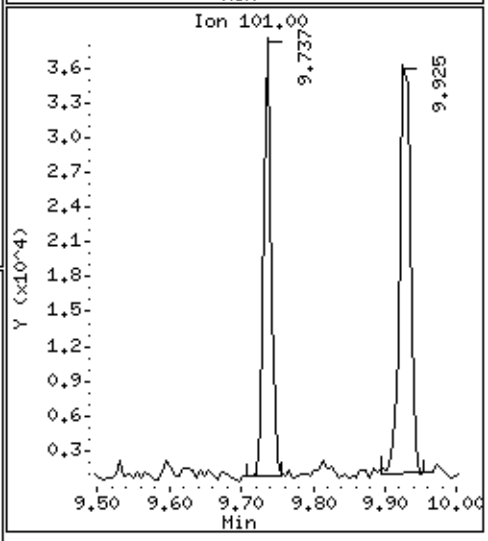
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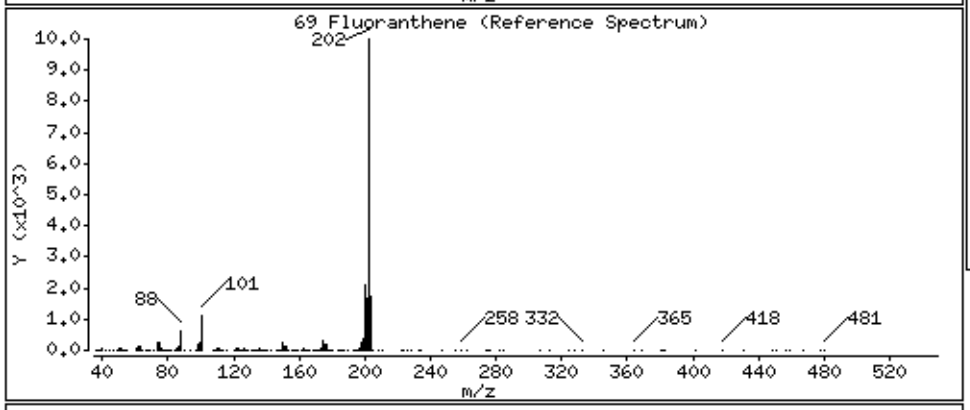
69 Fluoranthene Concentration: 530 ug/Kg

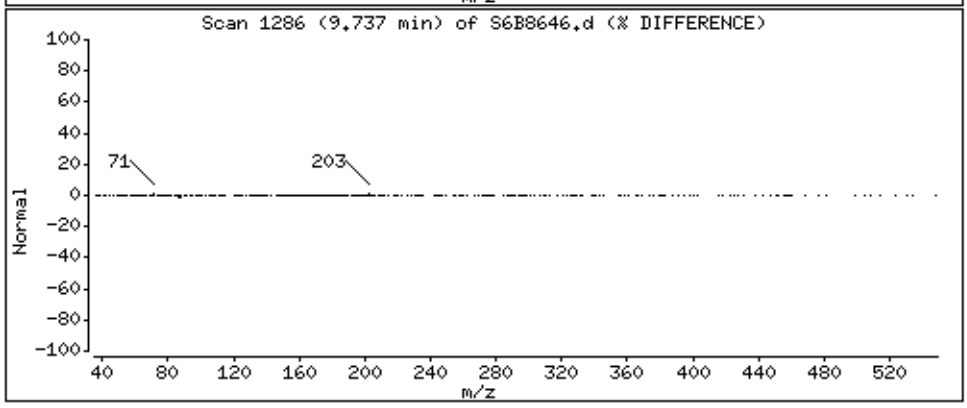












Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d

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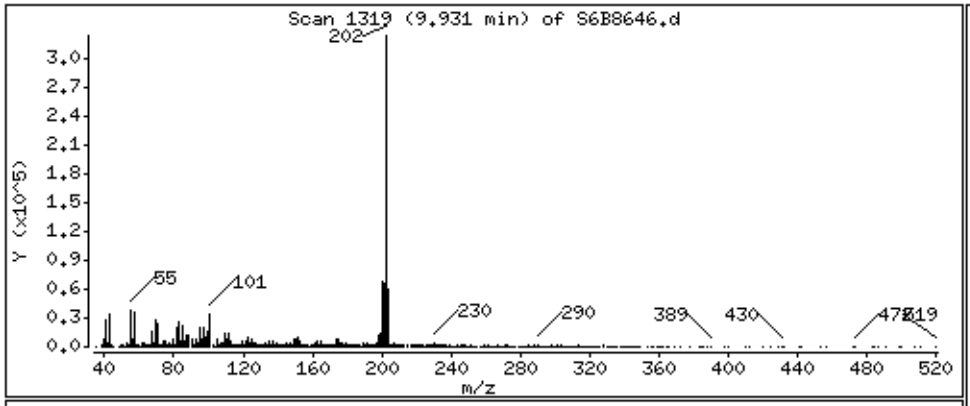
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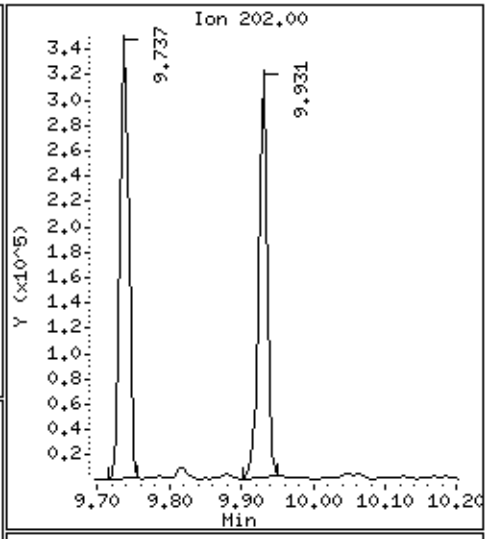
Sample Info: N1194-16A,,78076

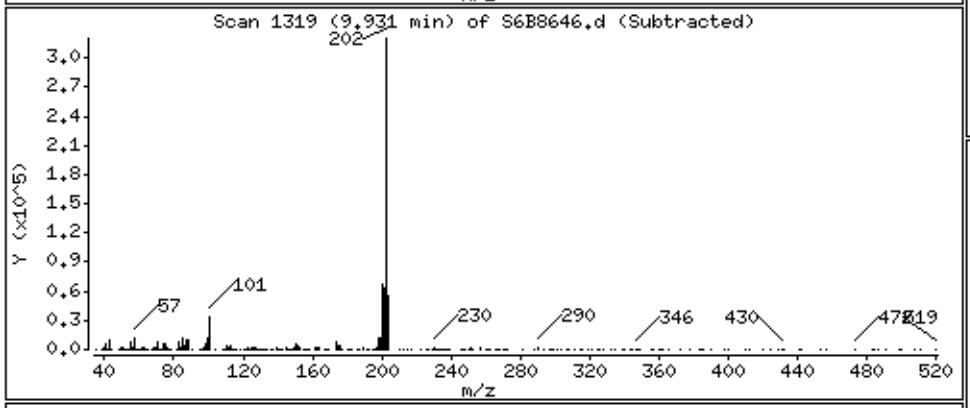
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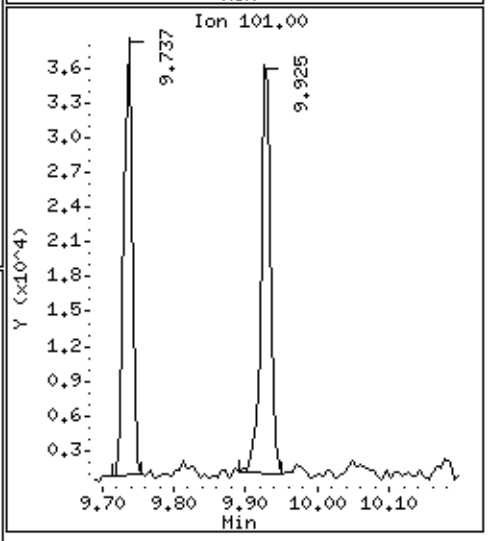
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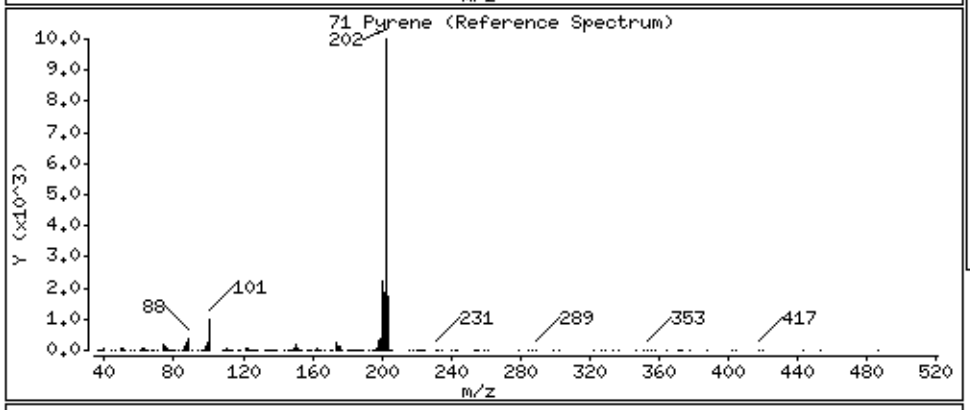
71 Pyrene Concentration: 510 ug/Kg

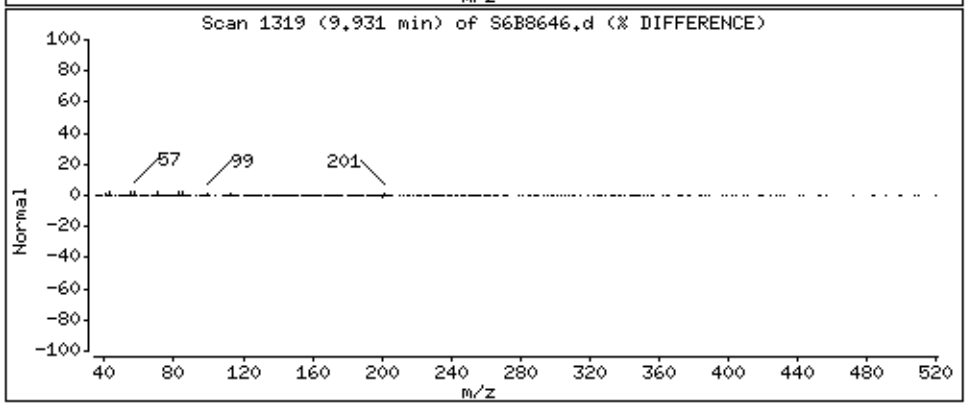












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Date : 17-JUL-2014 22:25

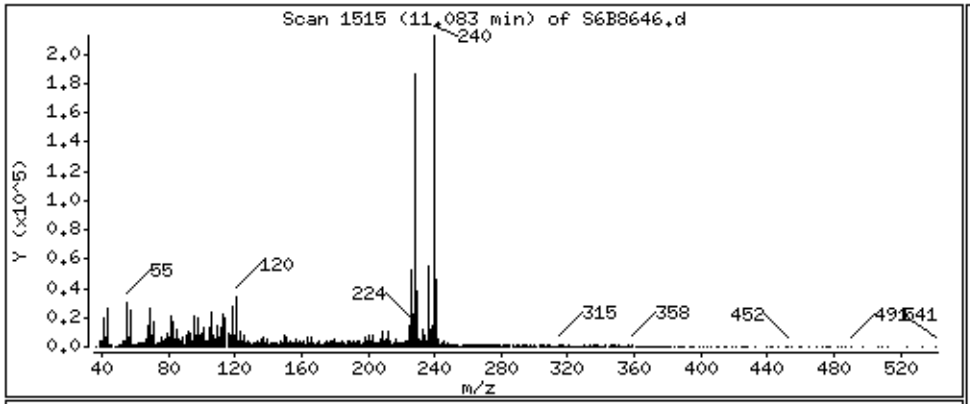
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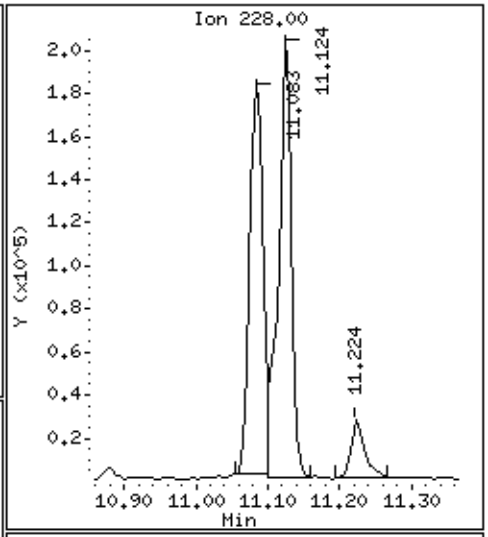
Sample Info: N1194-16A,,78076

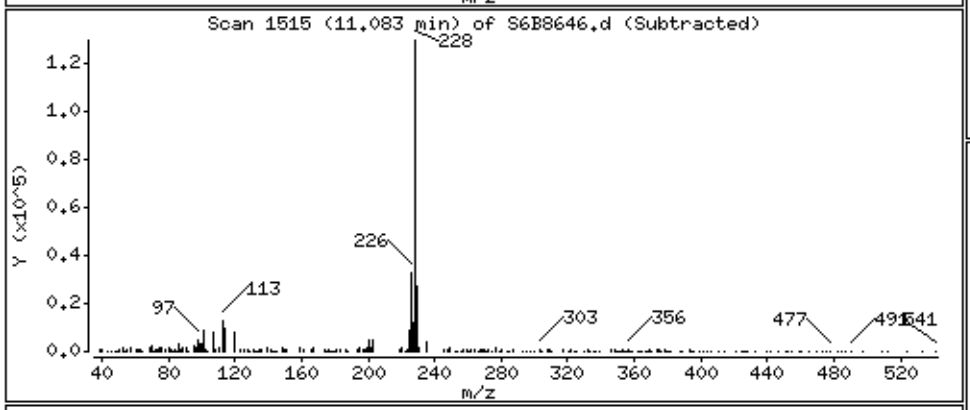
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

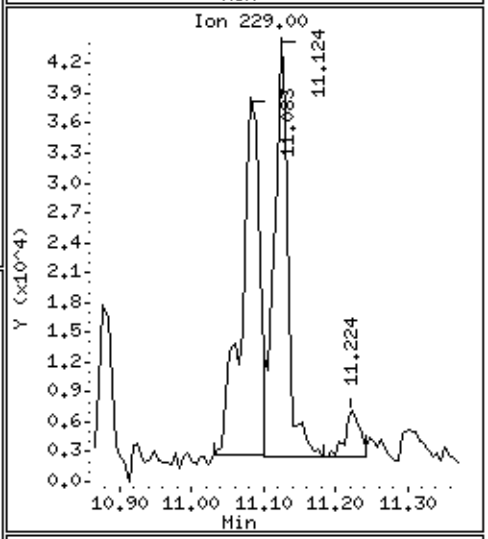
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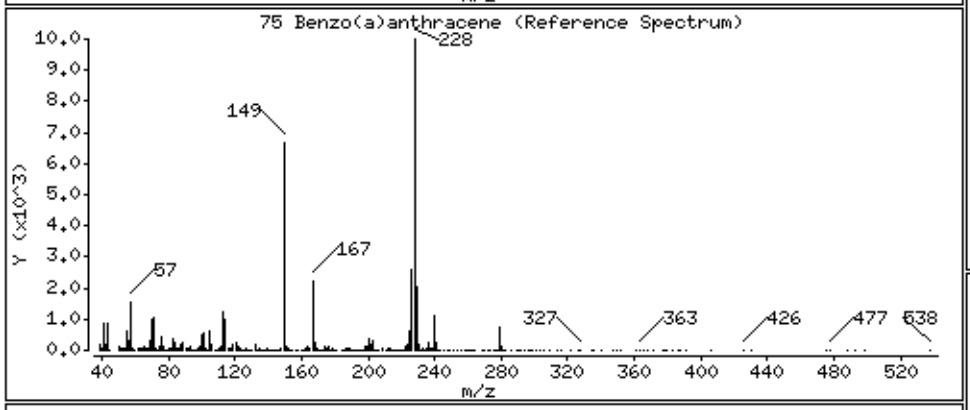
75 Benzo(a)anthracene Concentration: 470 ug/Kg

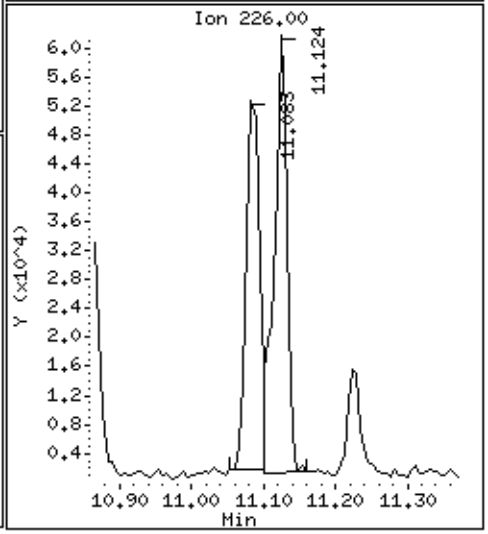


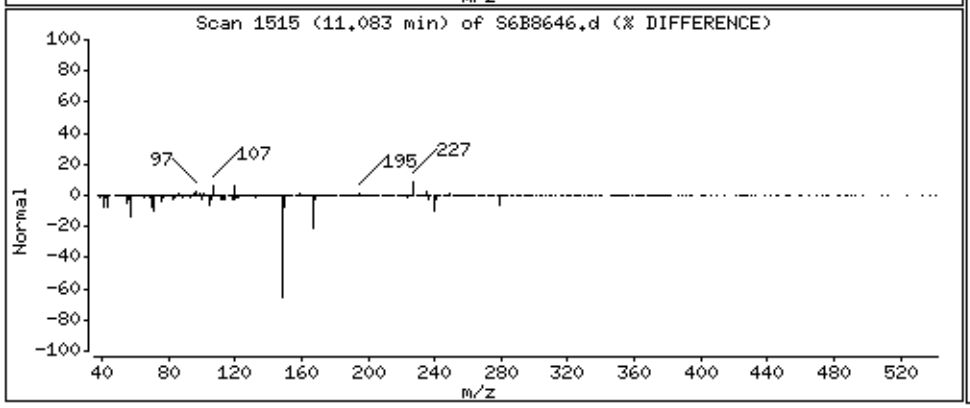












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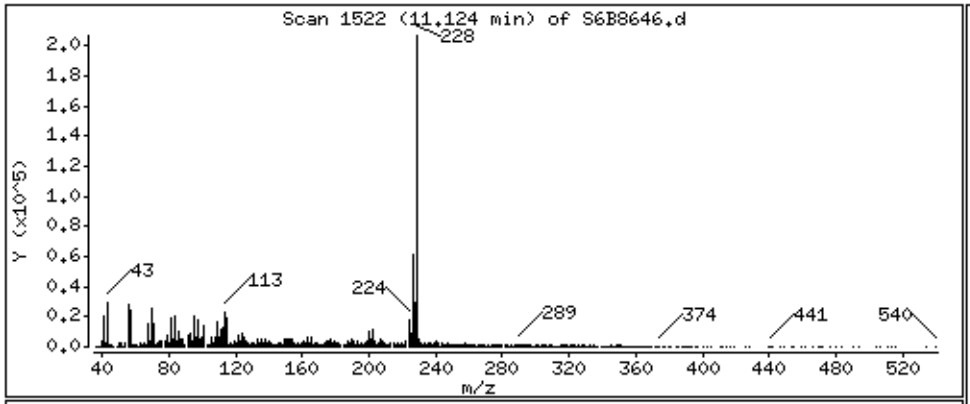
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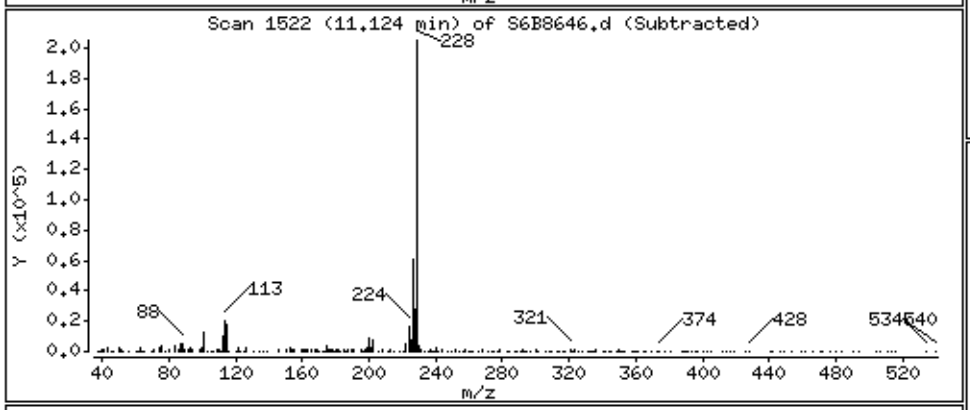
Sample Info: N1194-16A,,78076

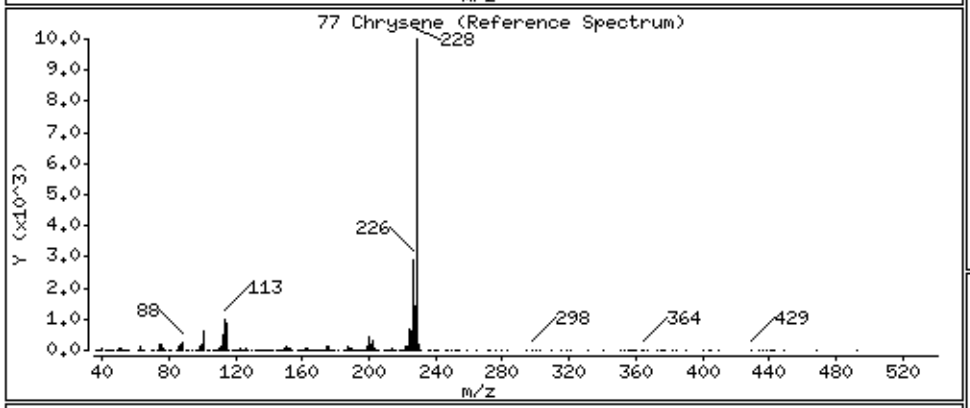
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

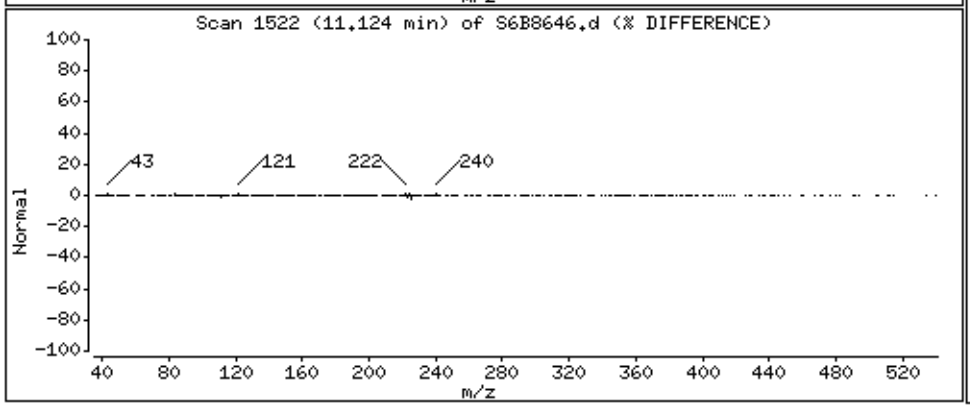
Column phase: Rxi-5Sil MS Column diameter: 0.25

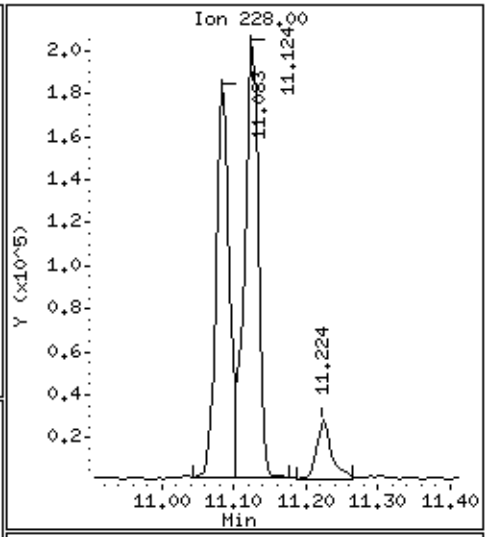
77 Chrysene Concentration: 600 ug/Kg

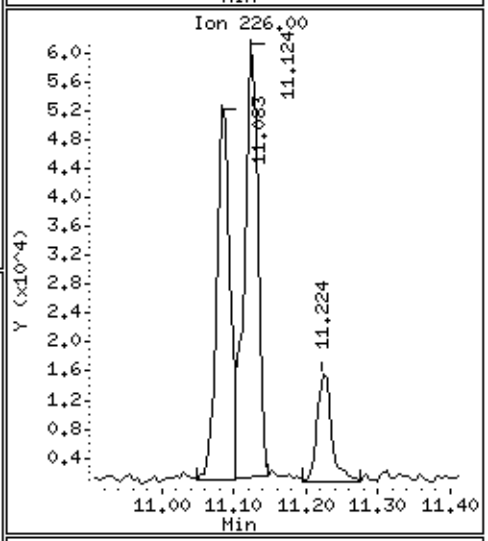


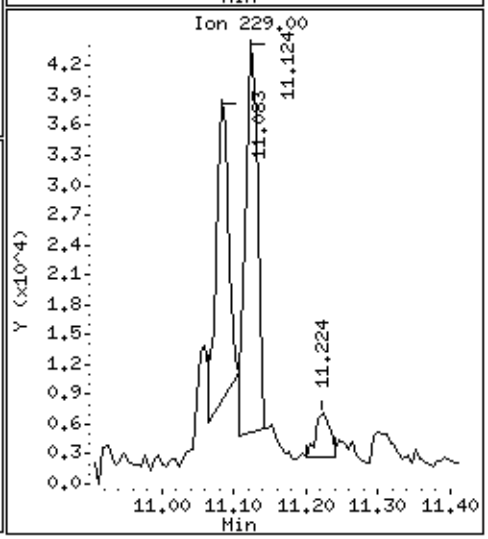












Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d

Date : 17-JUL-2014 22:25

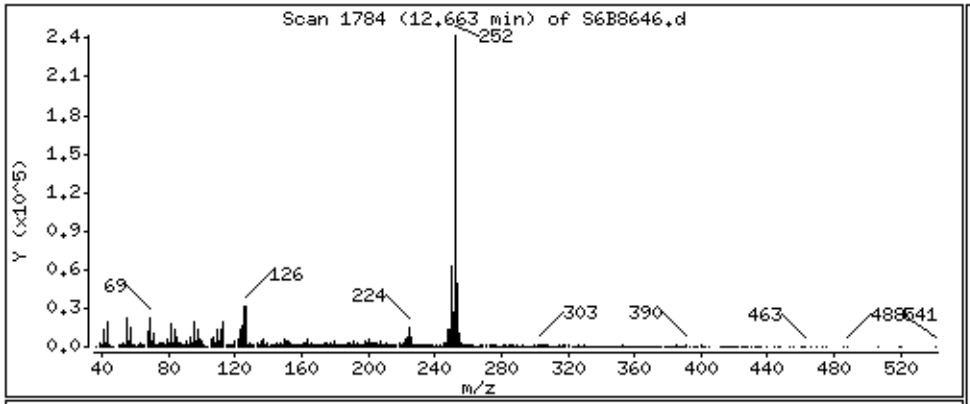
Client ID: SS-FD-03-071014 Instrument: S6.i

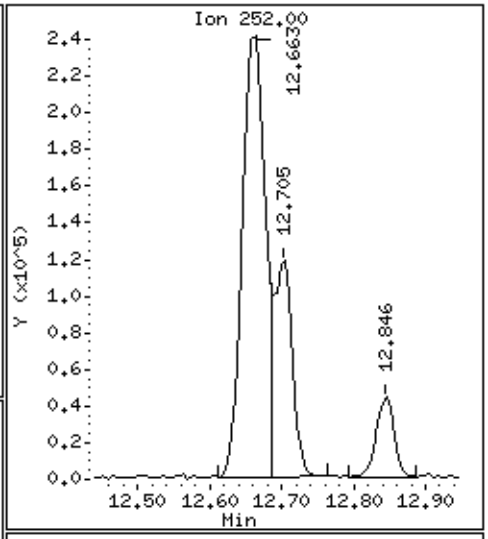
Sample Info: N1194-16A,,78076

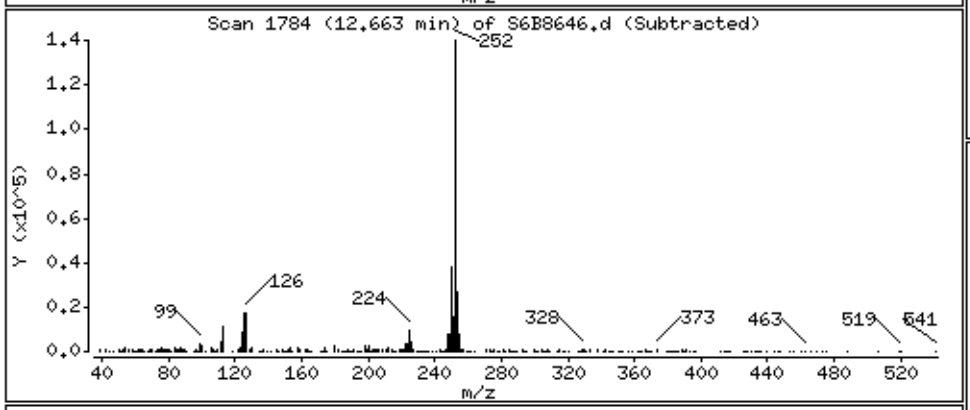
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

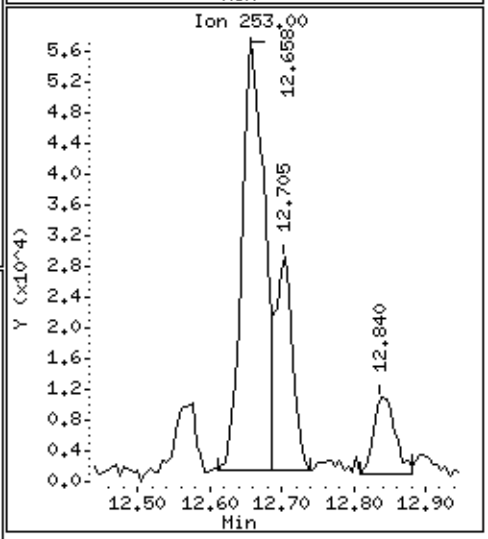
Column phase: Rxi-5Sil MS Column diameter: 0.25

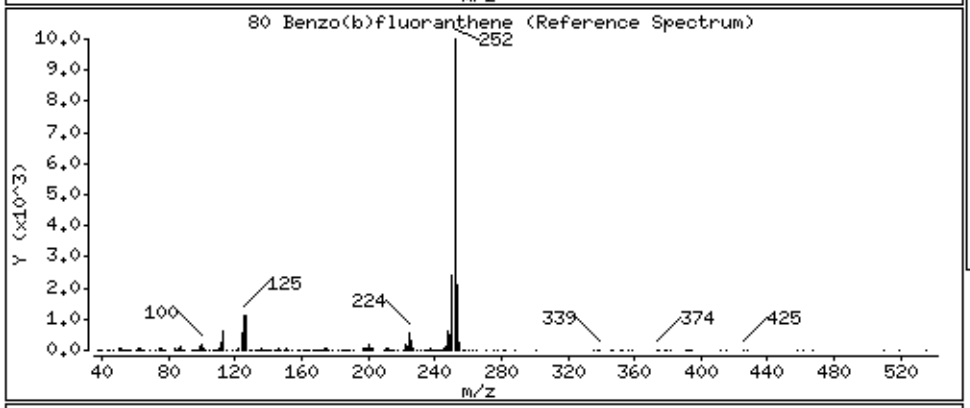
80 Benzo(b)fluoranthene Concentration: 1000 ug/Kg

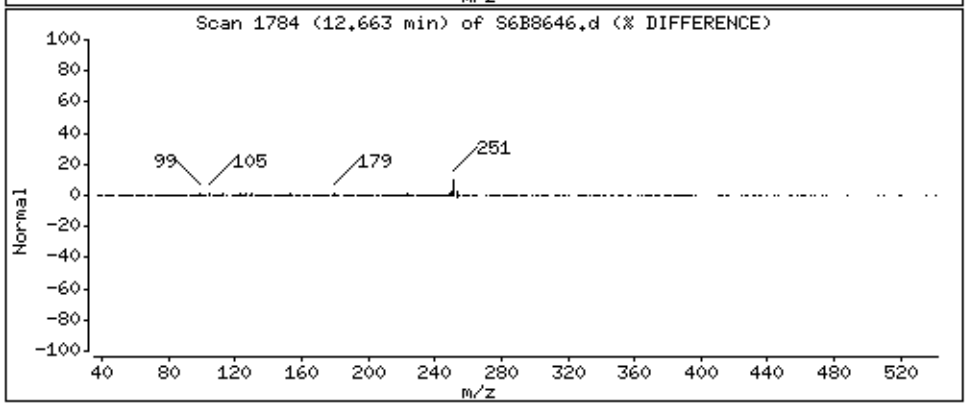












Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d

Date : 17-JUL-2014 22:25

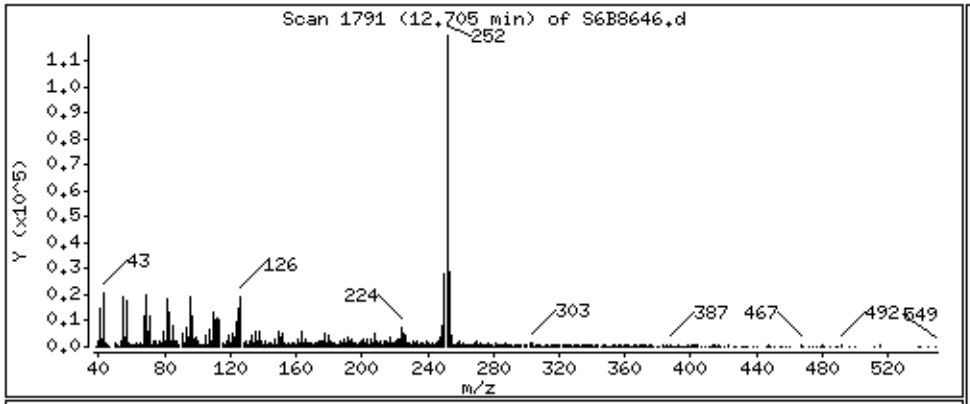
Client ID: SS-FD-03-071014 Instrument: S6.i

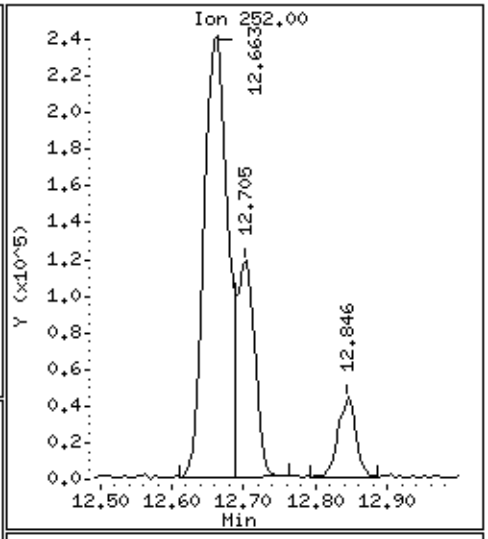
Sample Info: N1194-16A,,78076

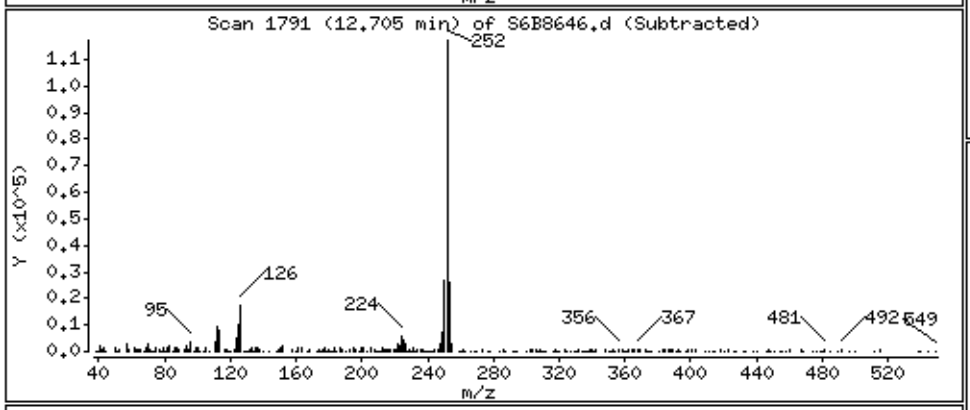
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

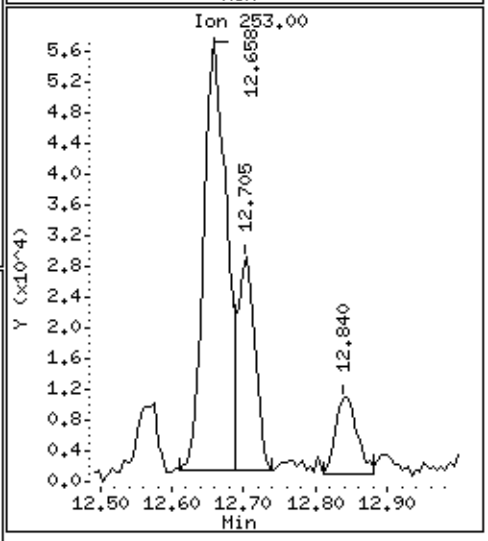
Column phase: Rxi-5Sil MS Column diameter: 0.25

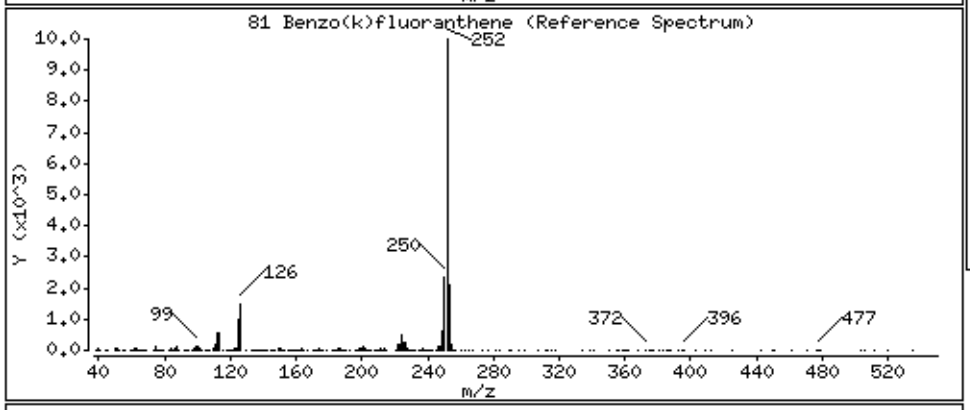
81 Benzo(k)fluoranthene Concentration: 400 ug/Kg

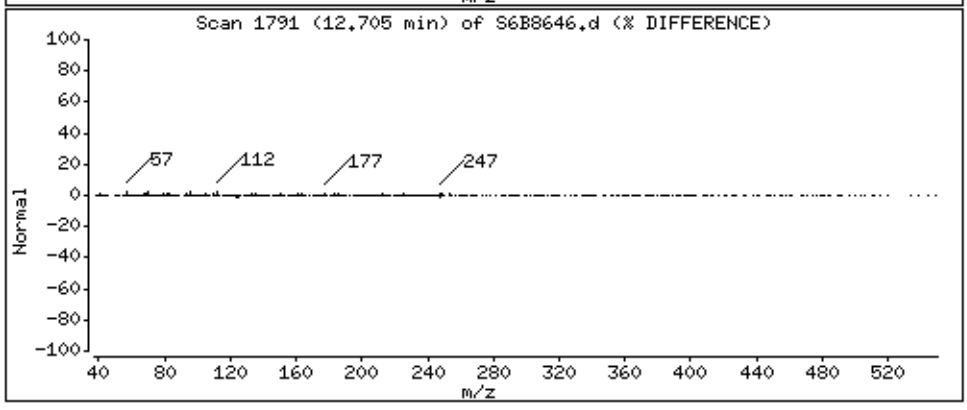












Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d

Date : 17-JUL-2014 22:25

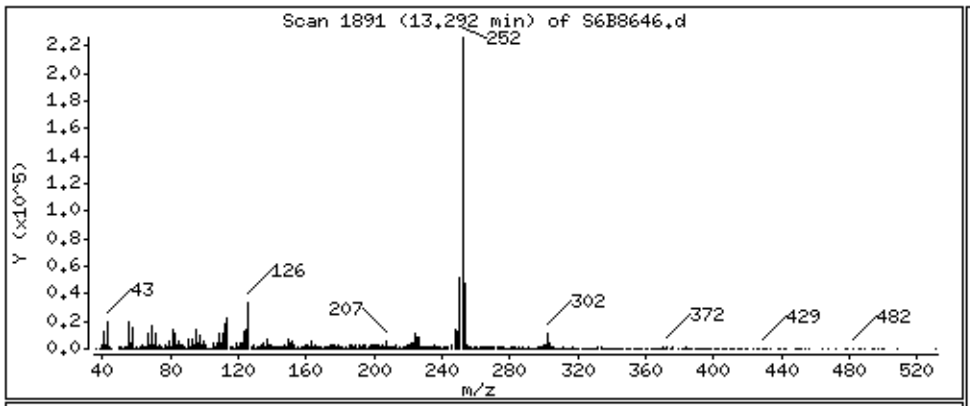
Client ID: SS-FD-03-071014 Instrument: S6.i

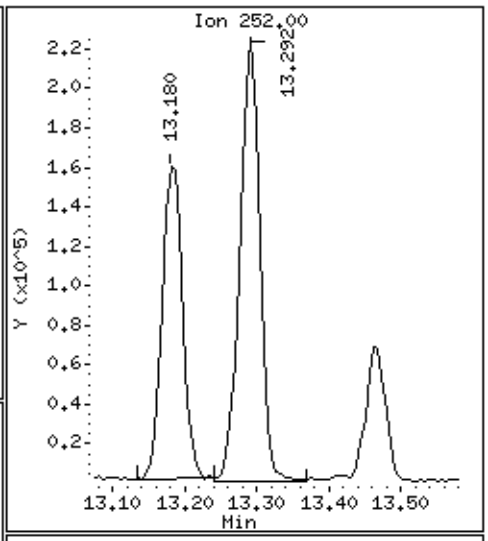
Sample Info: N1194-16A,,78076

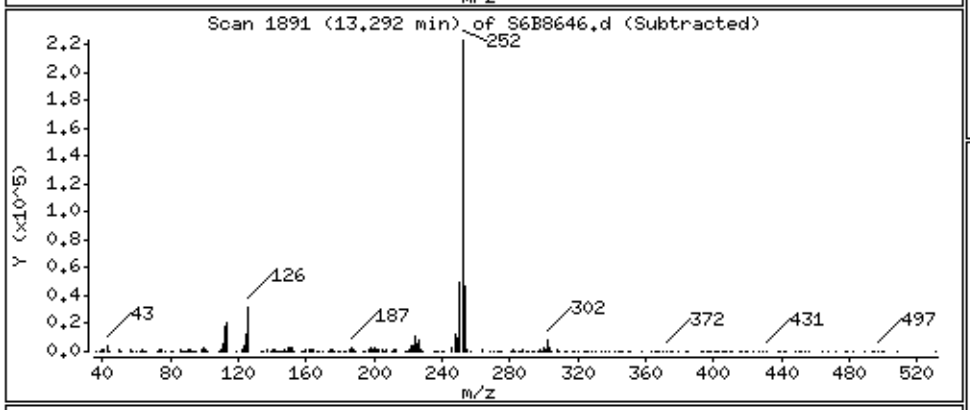
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

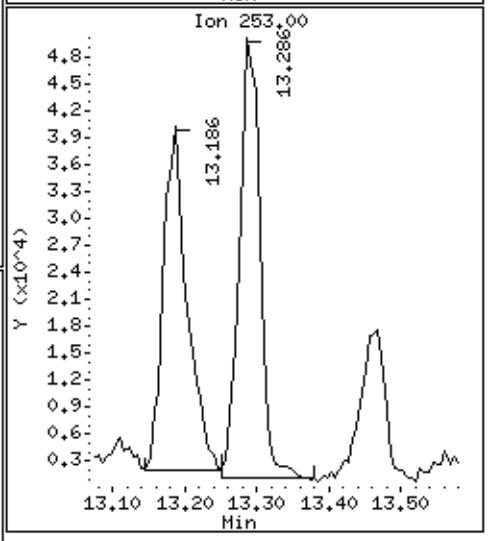
Column phase: Rxi-5Sil MS Column diameter: 0.25

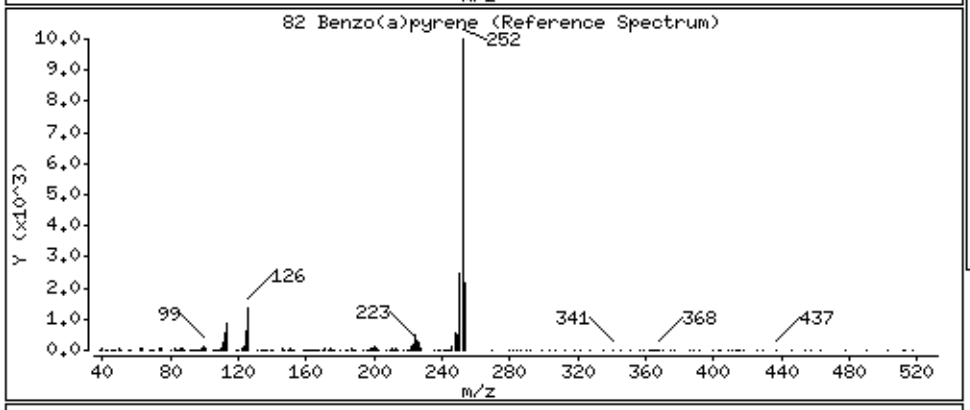
82 Benzo(a)pyrene Concentration: 820 ug/Kg

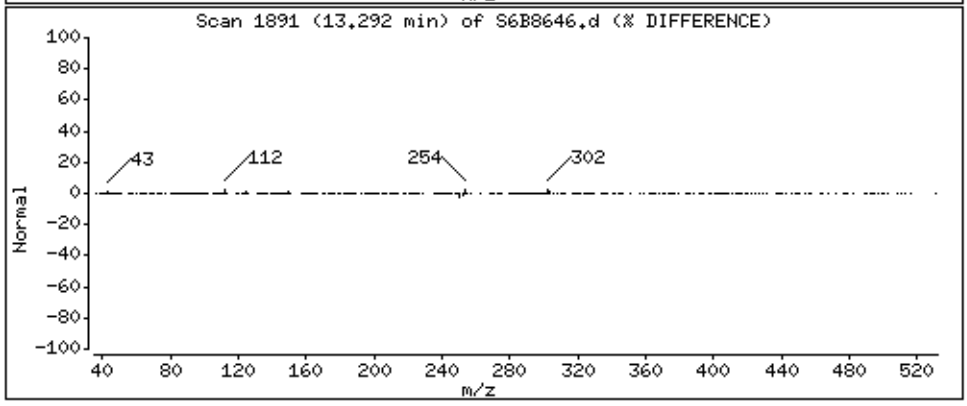












Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d

Date : 17-JUL-2014 22:25

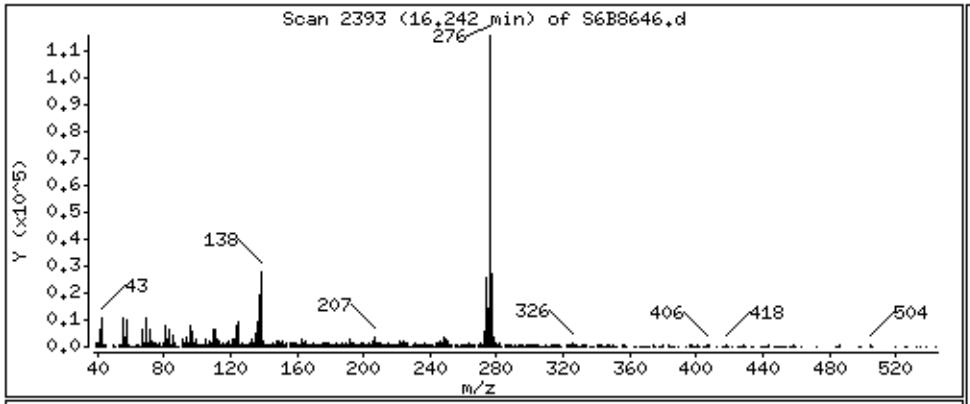
Client ID: SS-FD-03-071014 Instrument: S6.i

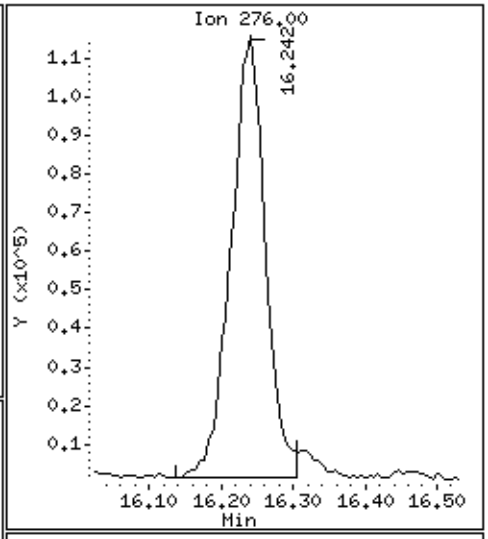
Sample Info: N1194-16A,,78076

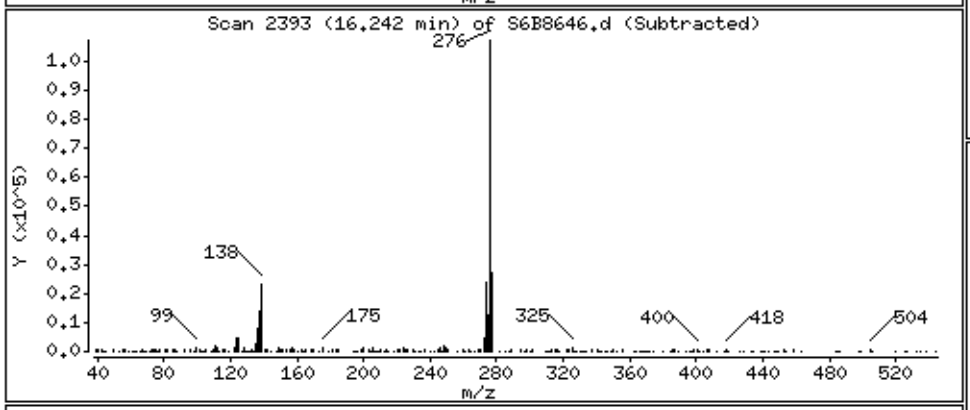
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

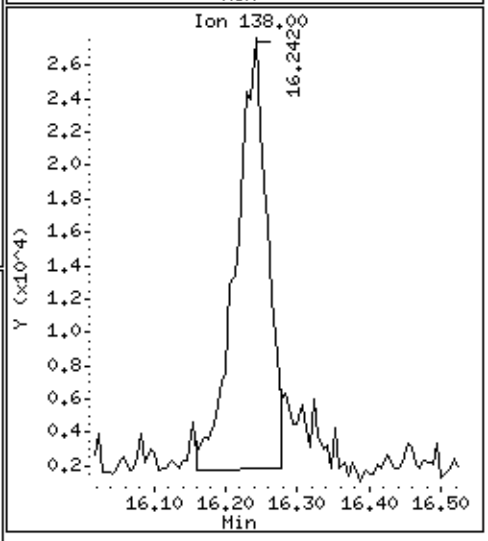
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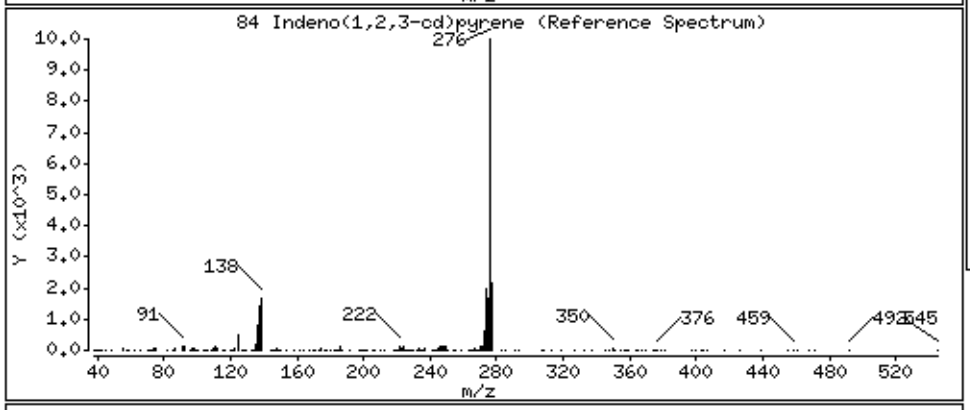
84 Indeno(1,2,3-cd)pyrene Concentration: 830 ug/Kg

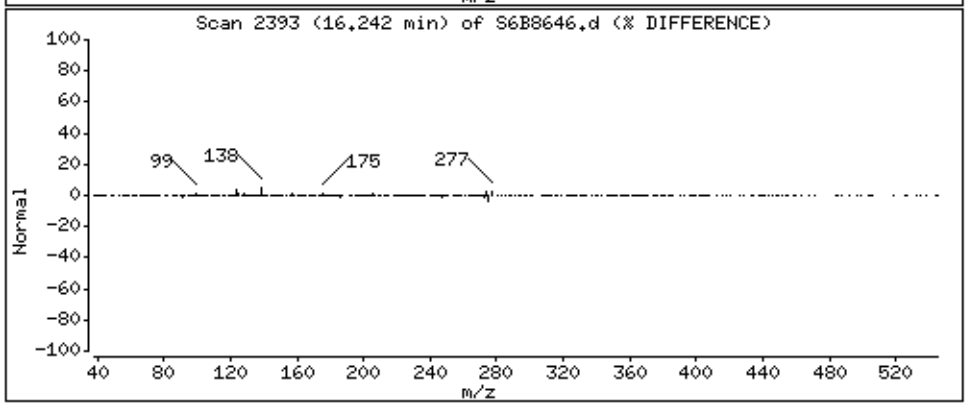












Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d

Date : 17-JUL-2014 22:25

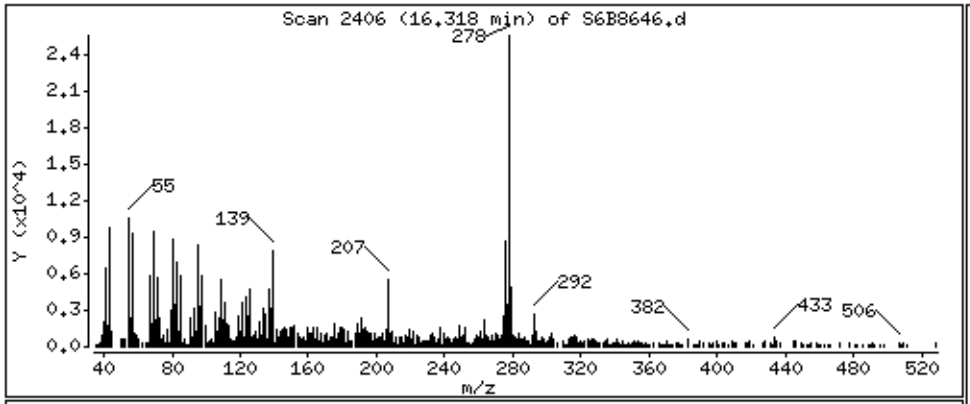
Client ID: SS-FD-03-071014 Instrument: S6.i

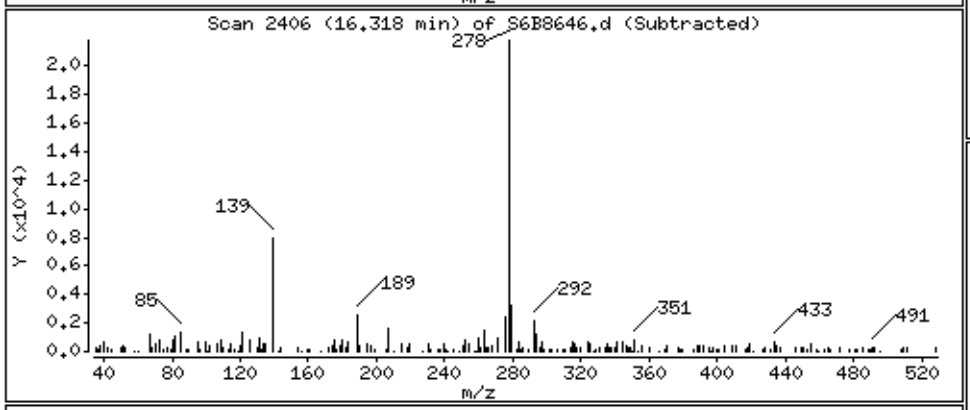
Sample Info: N1194-16A,,78076

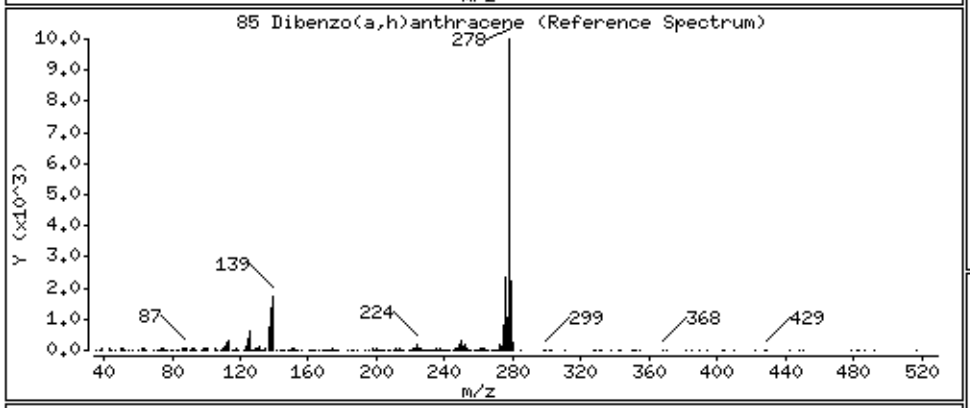
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

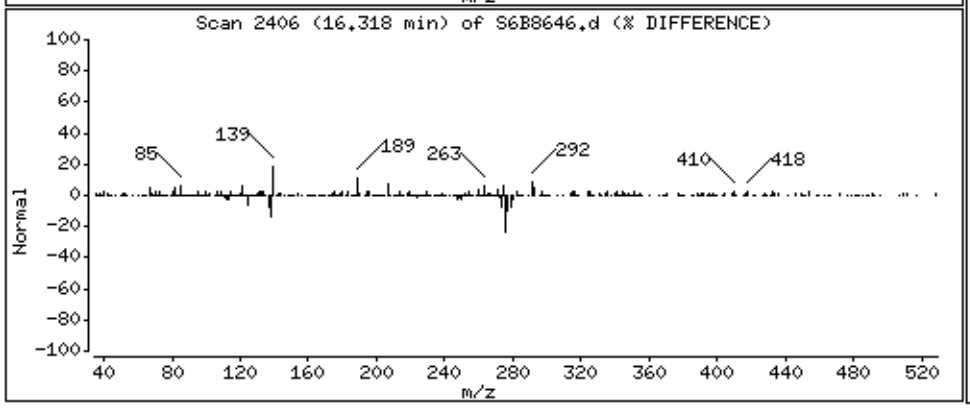
Column phase: Rxi-5Sil MS Column diameter: 0.25

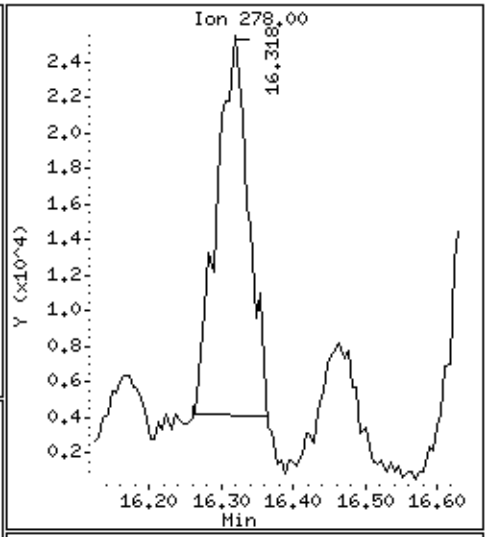
85 Dibenzo(a,h)anthracene Concentration: 150 ug/Kg

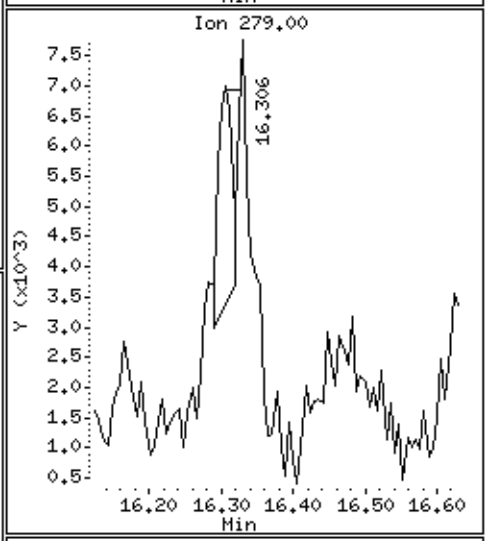


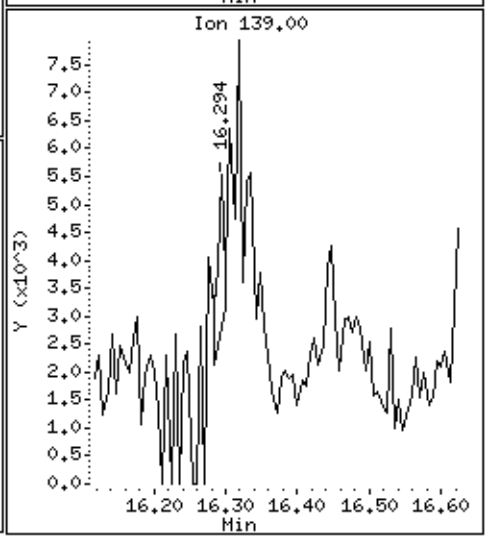












Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d

Date : 17-JUL-2014 22:25

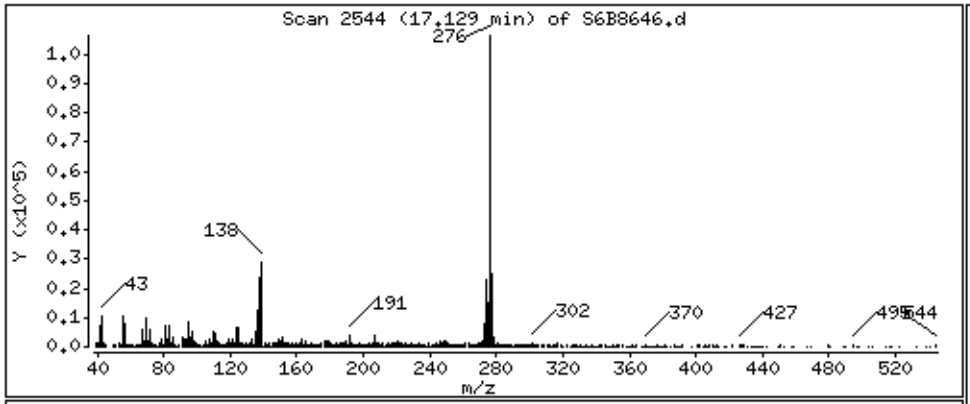
Client ID: SS-FD-03-071014 Instrument: S6.i

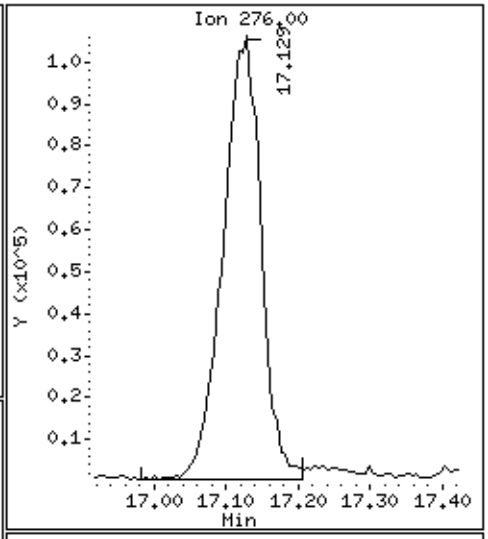
Sample Info: N1194-16A,,78076

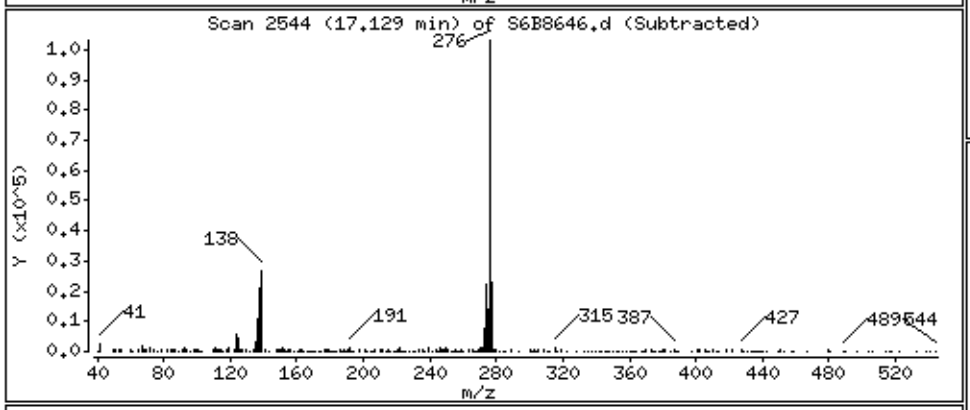
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

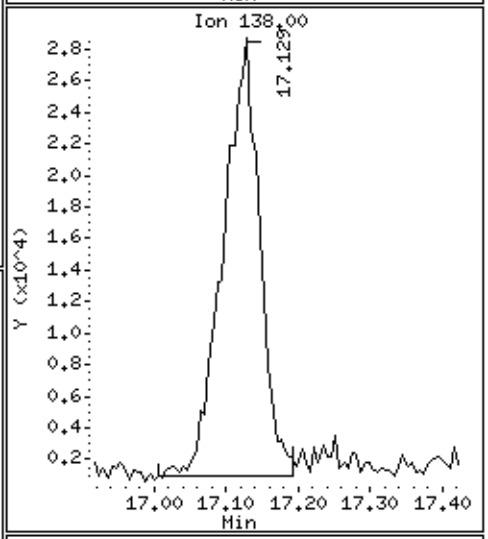
Column phase: Rxi-5Sil MS Column diameter: 0.25

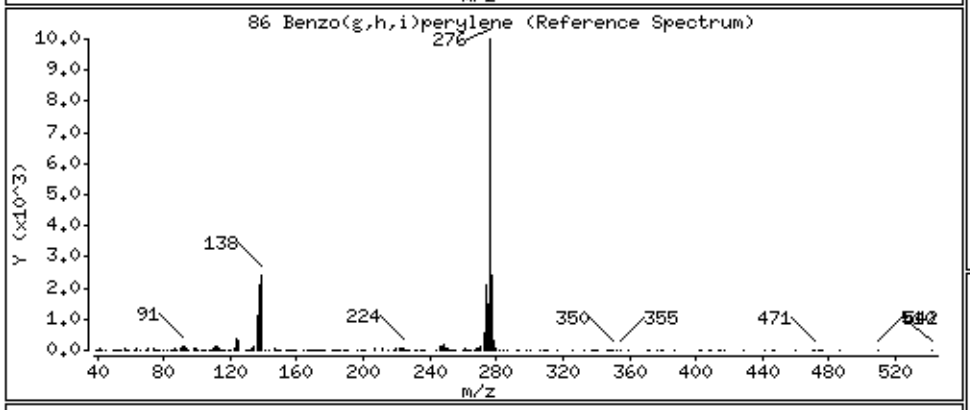
86 Benzo(g,h,i)perylene Concentration: 820 ug/Kg

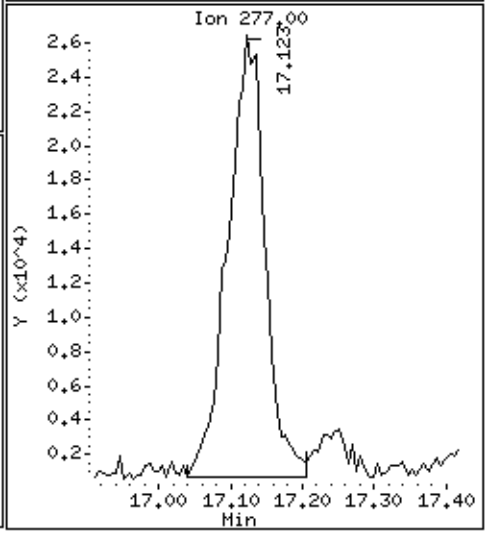


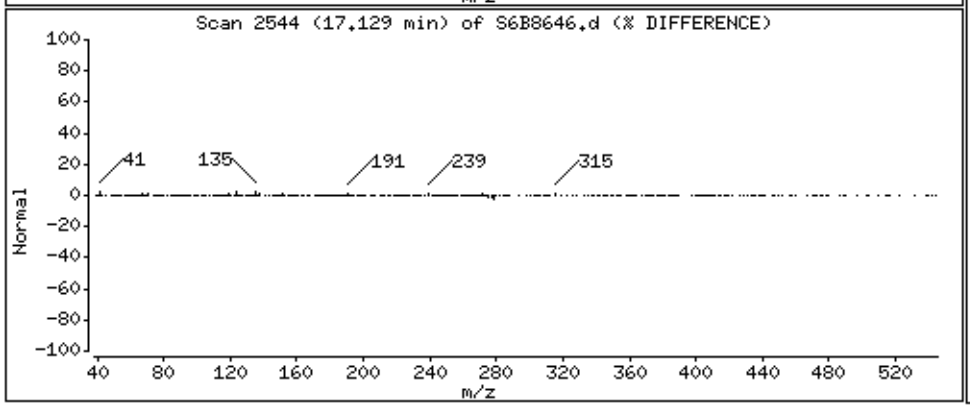








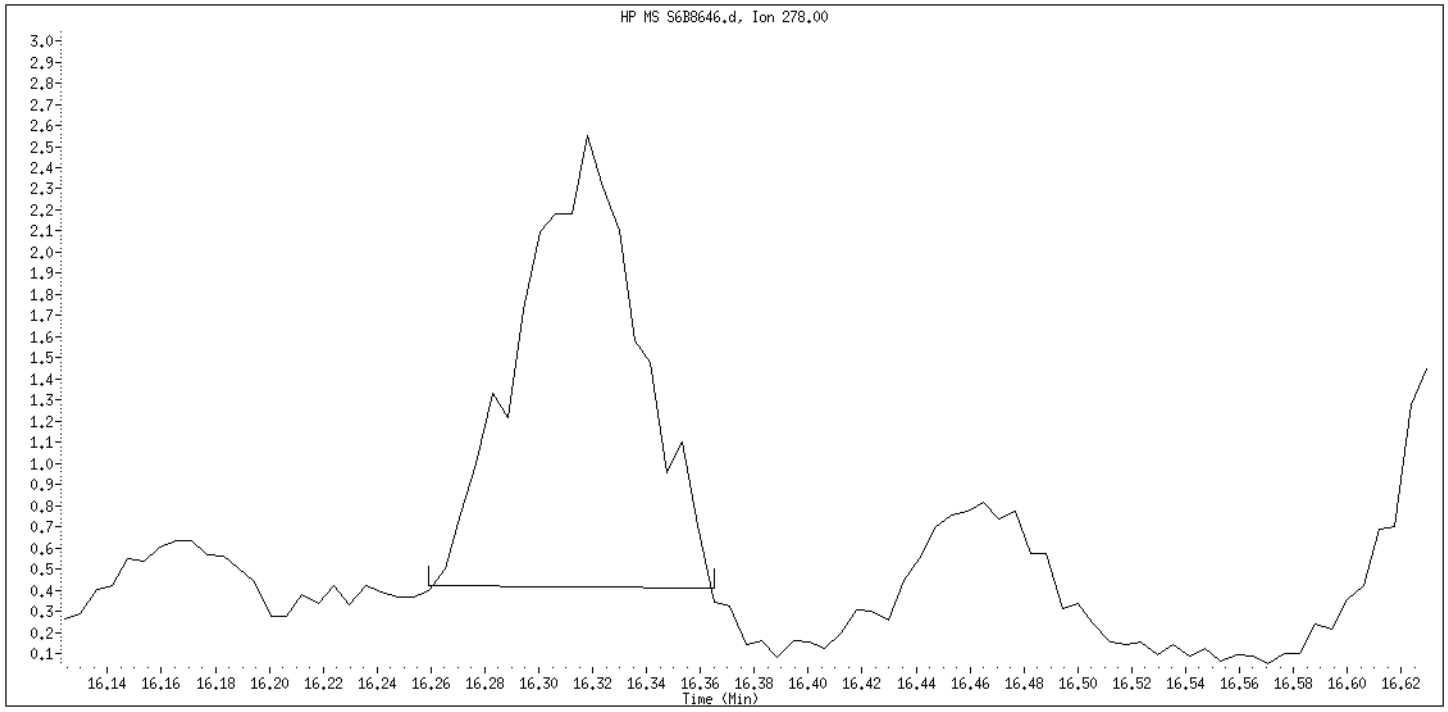




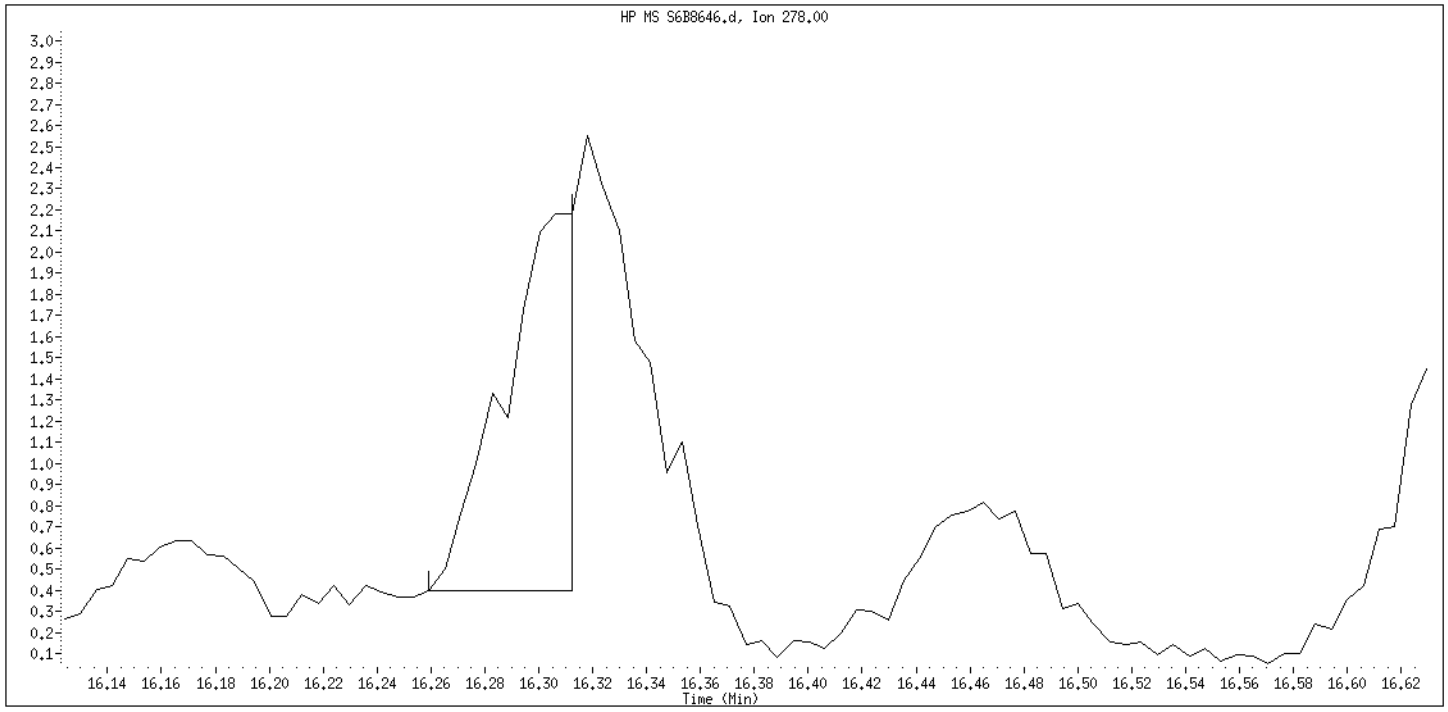
Manual Integration Report Data File: \\avogadro\organics\S6.I\140717.B\S6B8646.d

Lab ID: N1194-16A Client ID: SS-FD-03-071014 Inj Vol: 1 uL
Inj Date: 17-JUL-2014 22:25 Operator: TM SRC: LIMS

Manual Integration Dibenzo(a,h)anthracene Ret Time: 16.318 min, Range: 16.259 to 16.365 min Response: 65835



Original Integration Dibenzo(a,h)anthracene Ret Time: 16.306 min, Range: 16.259 to 16.312 min Response: 33116



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-25-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-17A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S6B8655.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	100	J
86-73-7	Fluorene	380	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	450	
120-12-7	Anthracene	140	J
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	1000	
56-55-3	Benzo(a)anthracene	870	
218-01-9	Chrysene	1100	
205-99-2	Benzo(b)fluoranthene	1800	
207-08-9	Benzo(k)fluoranthene	730	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenzo(a,h)anthracene	310	J
191-24-2	Benzo(g,h,i)perylene	1300	

Data File: \\avogadro\organics\S6.I\140718.B\S6B8655.d
Report Date: 21-Jul-2014 13:14

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140718.B\S6B8655.d
Lab Smp Id: N1194-17A Client Smp ID: SS-25-071014
Inj Date : 18-JUL-2014 13:56
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-17A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140718.B\S6_8270C_N.m
Meth Date : 21-Jul-2014 13:13 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.500	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.809	3.803	(0.773)	282120	33.2010	2100
$	5 Phenol-d5	99	4.625	4.625	(0.939)	354450	32.6744	2100
*	12 1,4-Dichlorobenzene-d4	152	4.925	4.925	(1.000)	256536	40.0000	
$	22 Nitrobenzene-d5	82	5.395	5.395	(0.899)	352119	38.1325	2500
*	31 Naphthalene-d8	136	6.000	6.000	(1.000)	895899	40.0000	
$	41 2-Fluorobiphenyl	172	6.893	6.893	(0.924)	731968	37.2636	2400
*	48 Acenaphthene-d10	164	7.457	7.463	(1.000)	561303	40.0000	
	49 Acenaphthene	153	7.487	7.492	(1.004)	22780	1.33459	86(a)
$	60 2,4,6-Tribromophenol	330	8.115	8.115	(0.934)	91001	35.9529	2300
*	64 Phenanthrene-d10	188	8.691	8.697	(1.000)	1099439	40.0000	
	65 Phenanthrene	178	8.709	8.715	(1.002)	173377	5.83998	380(a)
	66 Anthracene	178	8.750	8.756	(1.007)	56848	1.87937	120(a)
	69 Fluoranthene	202	9.702	9.708	(1.116)	474004	13.9507	900
	71 Pyrene	202	9.896	9.901	(0.895)	461987	13.4118	860
$	72 Terphenyl-d14	244	10.013	10.019	(0.905)	840833	37.5824	2400
	75 Benzo(a)anthracene	228	11.041	11.059	(0.998)	362061	11.3382	730
*	76 Chrysene-d12	240	11.059	11.077	(1.000)	1118415	40.0000	
	77 Chrysene	228	11.083	11.106	(1.002)	410817	14.0172	900
	80 Benzo(b)fluoranthene	252	12.593	12.610	(0.944)	728612	22.8156	1500

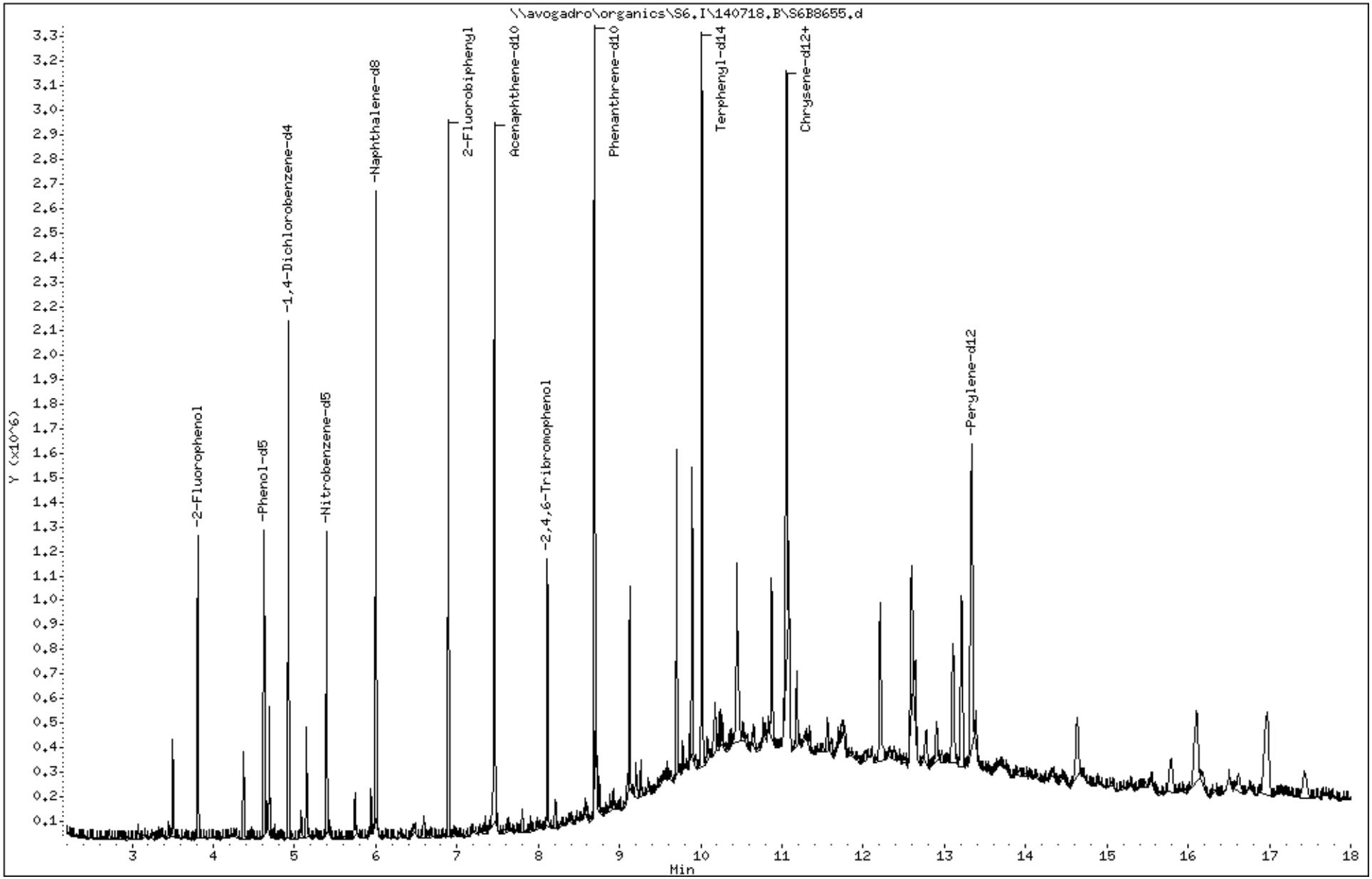
Data File: \\avogadro\organics\S6.I\140718.B\S6B8655.d
Report Date: 21-Jul-2014 13:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
81	Benzo(k)fluoranthene	252	12.640	12.663	(0.948)	306250	9.44497	610(a)
82	Benzo(a)pyrene	252	13.215	13.233	(0.991)	543134	17.8262	1200
* 83	Perylene-d12	264	13.339	13.356	(1.000)	1086212	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.100	16.124	(1.207)	440659	16.5757	1100
85	Dibenzo(a,h)anthracene	278	16.171	16.218	(1.212)	103435	3.99900	260(a)
86	Benzo(g,h,i)perylene	276	16.970	16.993	(1.272)	450739	16.4180	1000

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\avogadro\organics\S6.I\140718.B\S6B8655.d
Date : 18-JUL-2014 13:56
Client ID: SS-25-071014
Instrument: S6.i
Sample Info: N1194-17A,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140718.B\S6B8655.d

Date : 18-JUL-2014 13:56

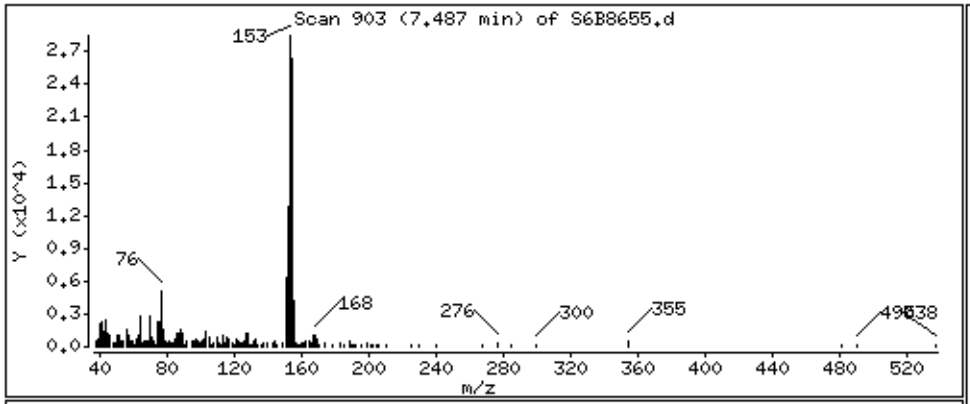
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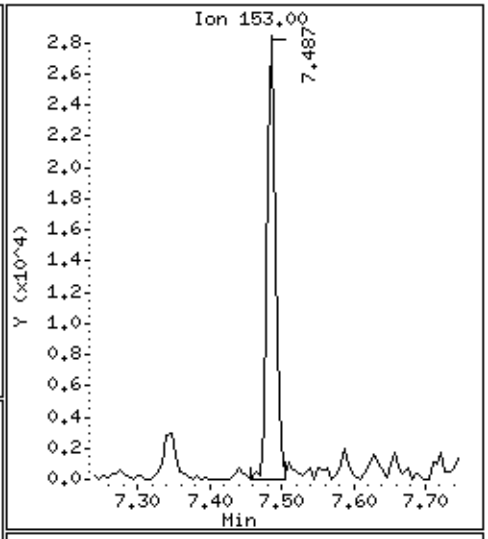
Sample Info: N1194-17A,,78076

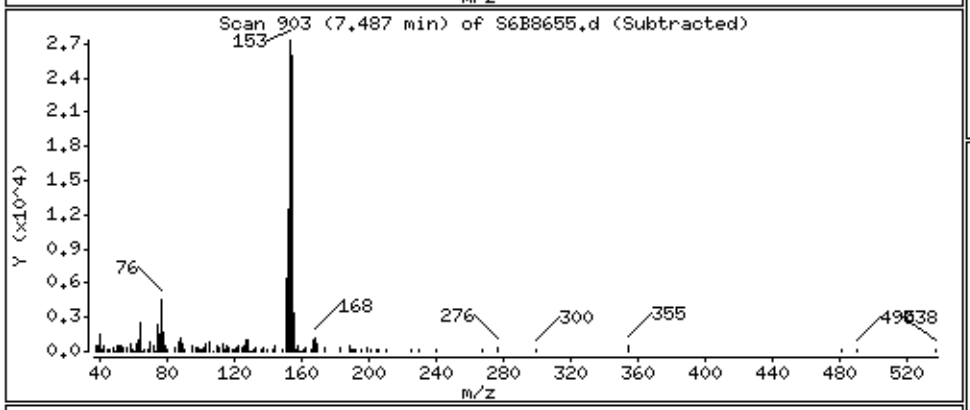
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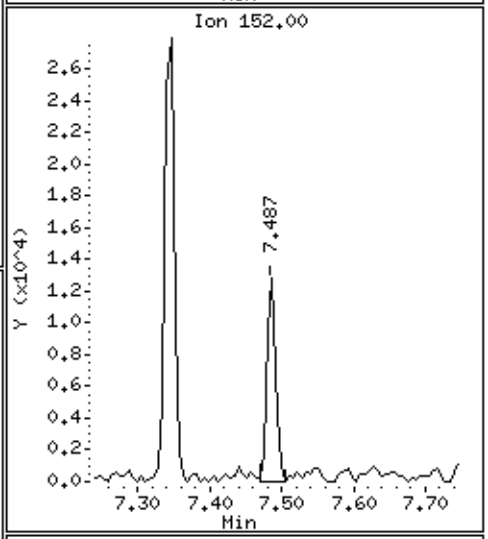
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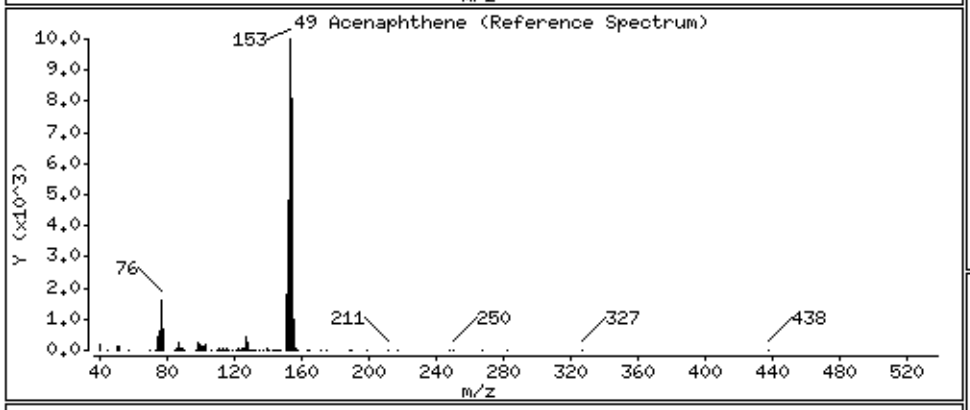
49 Acenaphthene Concentration: 86 ug/Kg

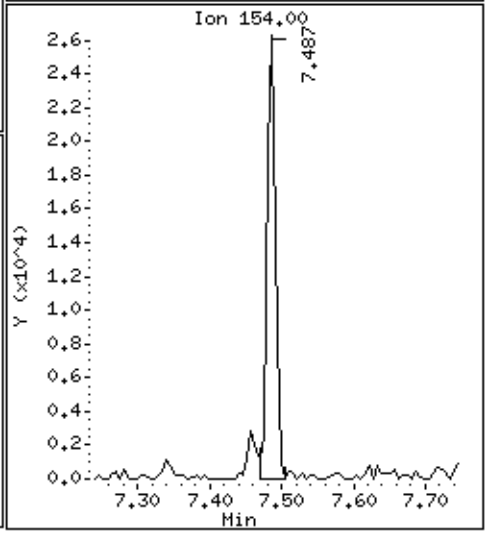


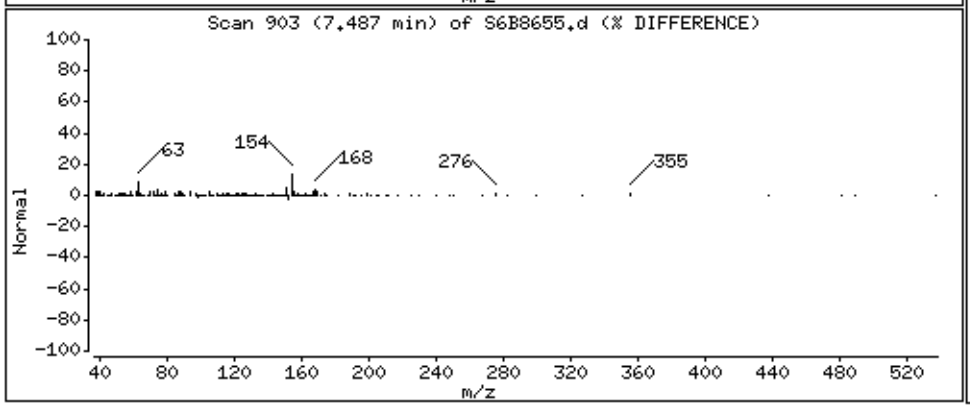












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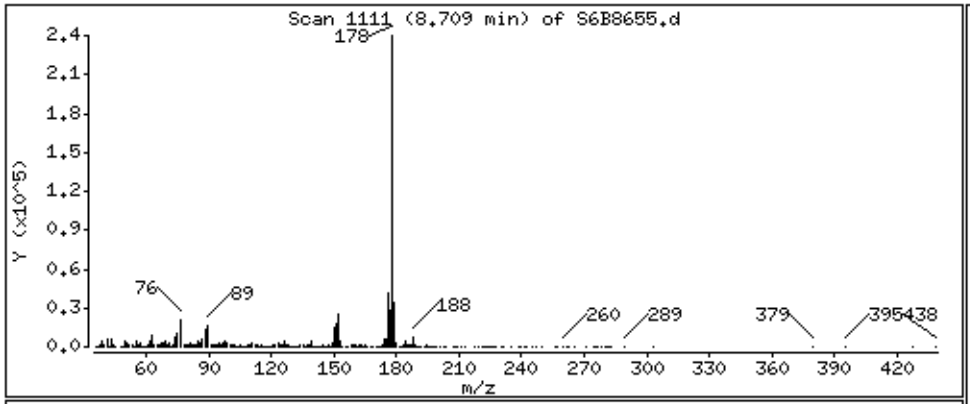
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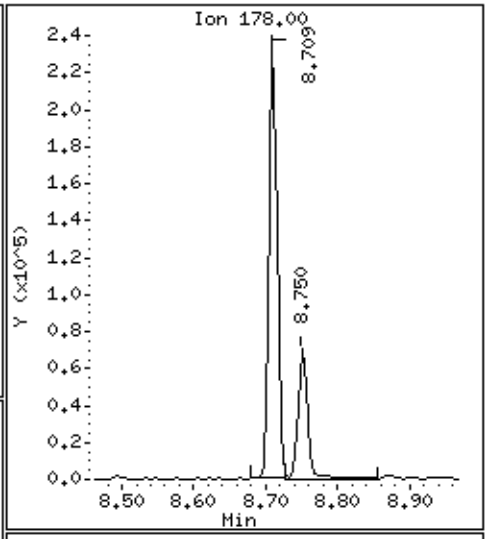
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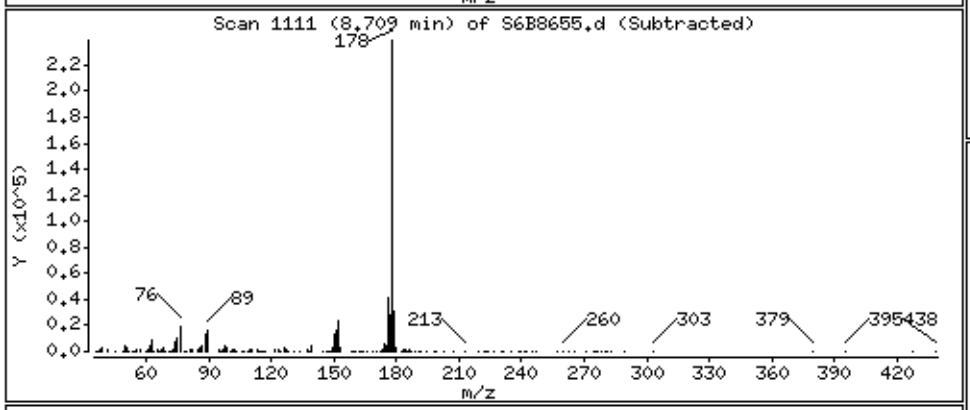
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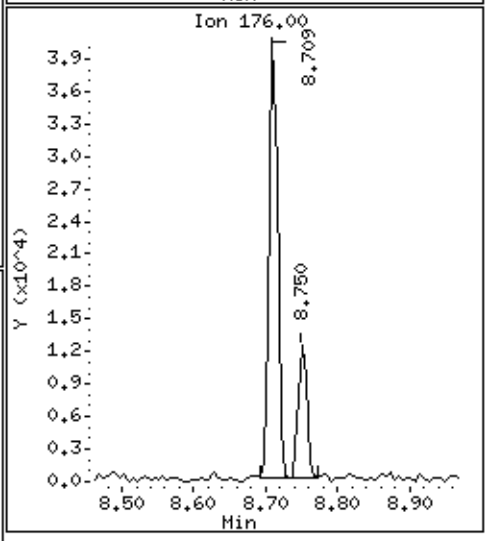
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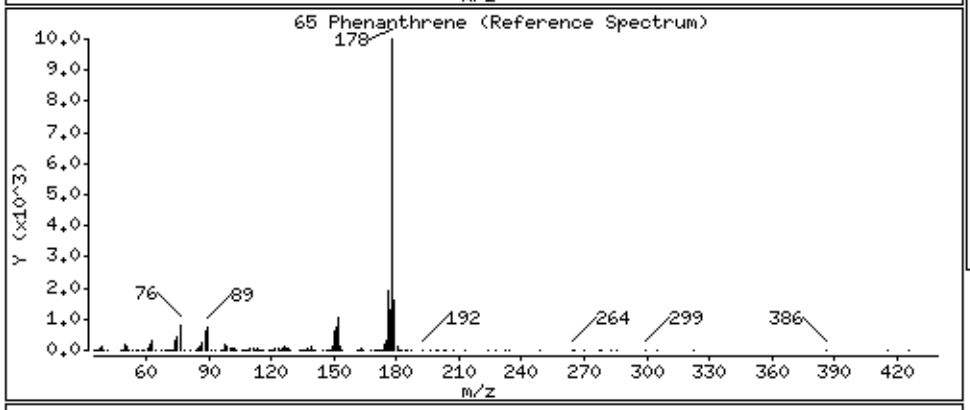
65 Phenanthrene Concentration: 380 ug/Kg

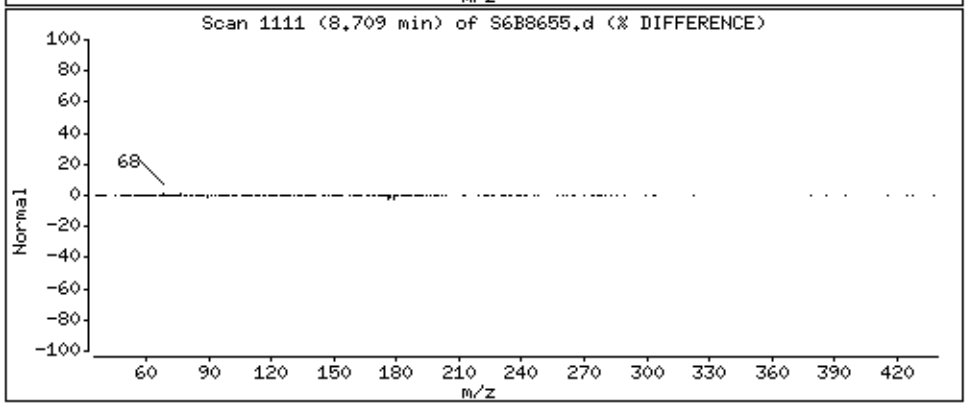












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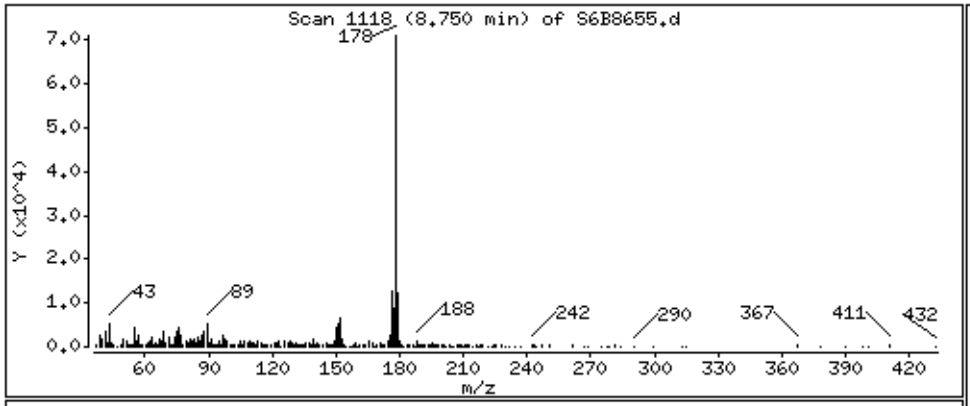
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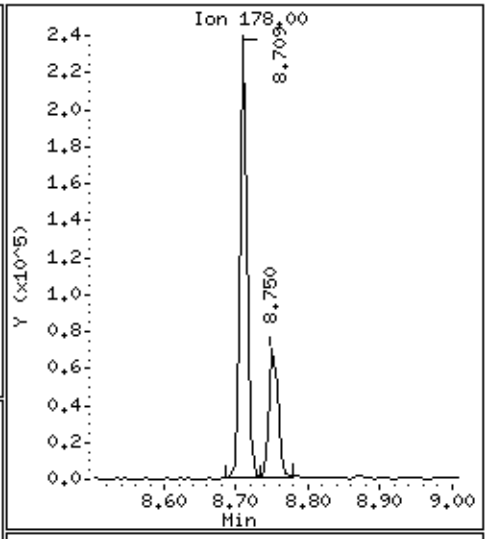
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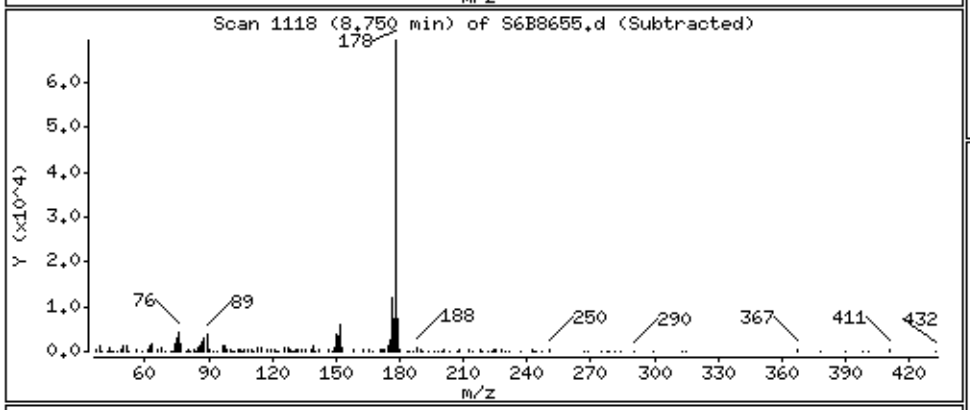
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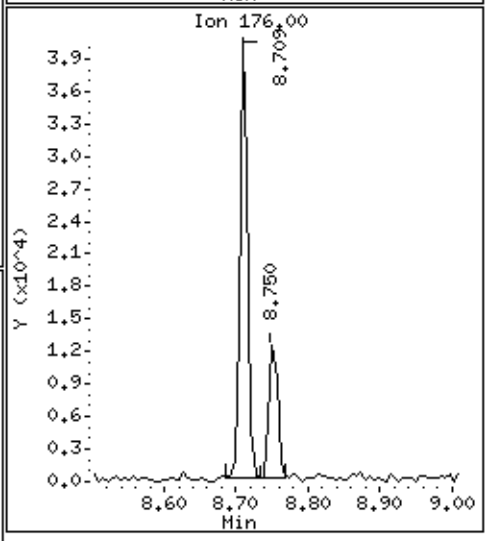
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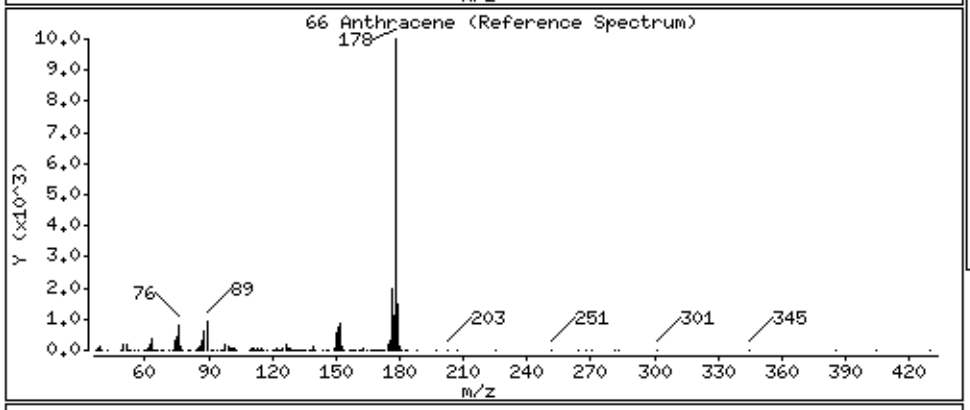
66 Anthracene Concentration: 120 ug/Kg

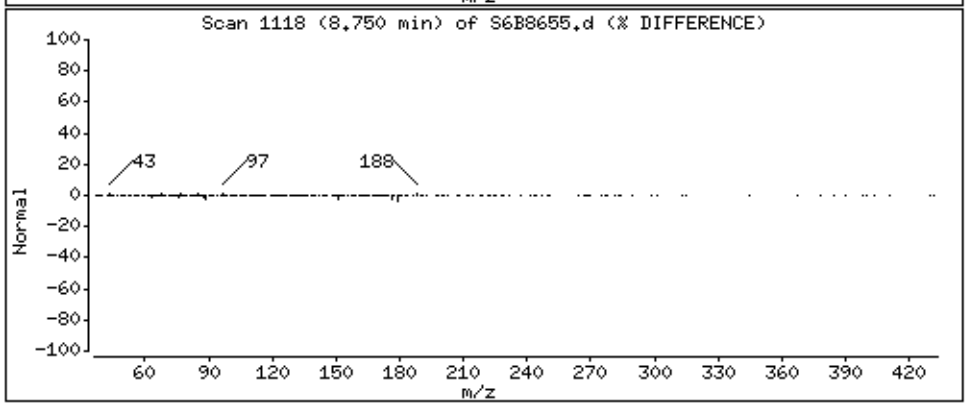












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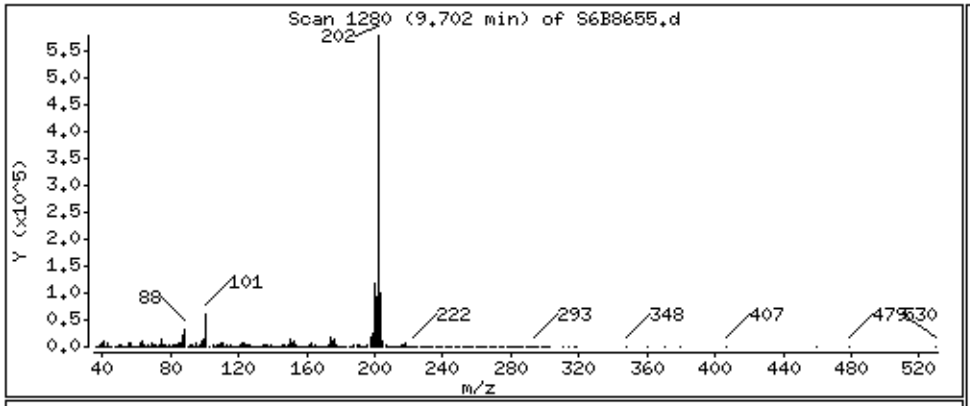
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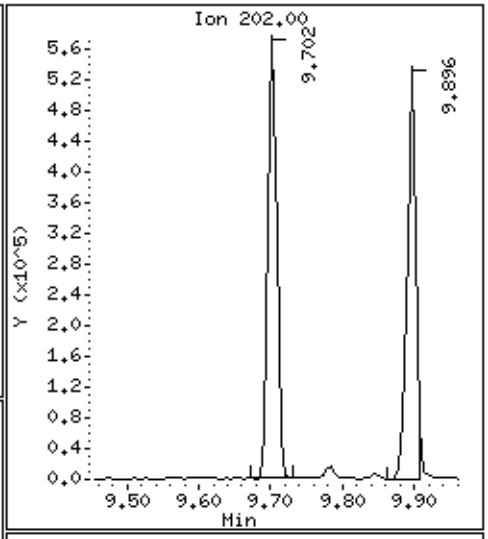
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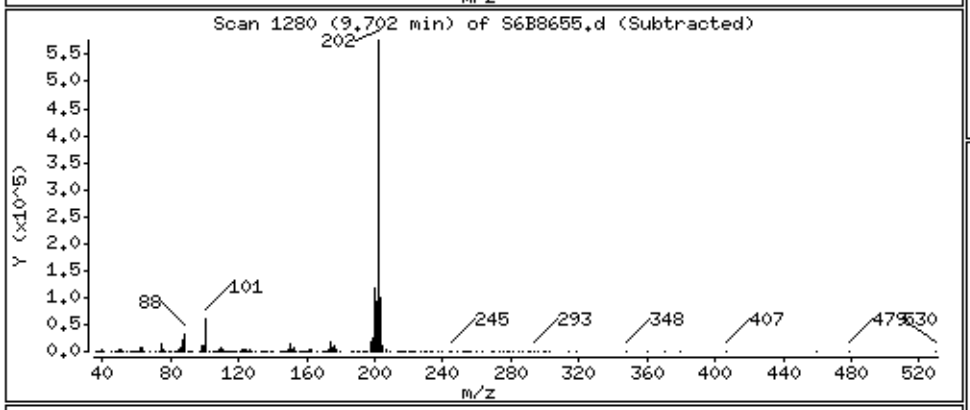
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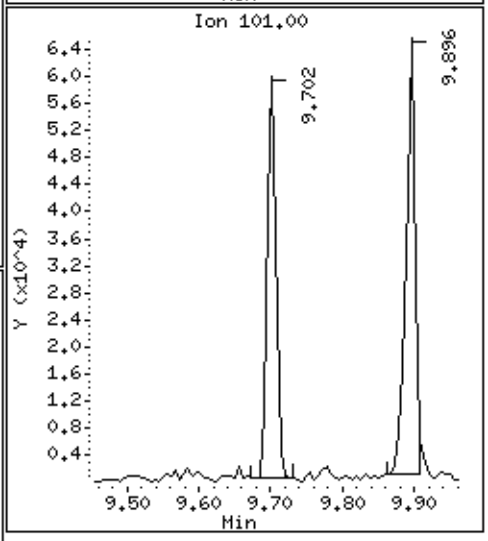
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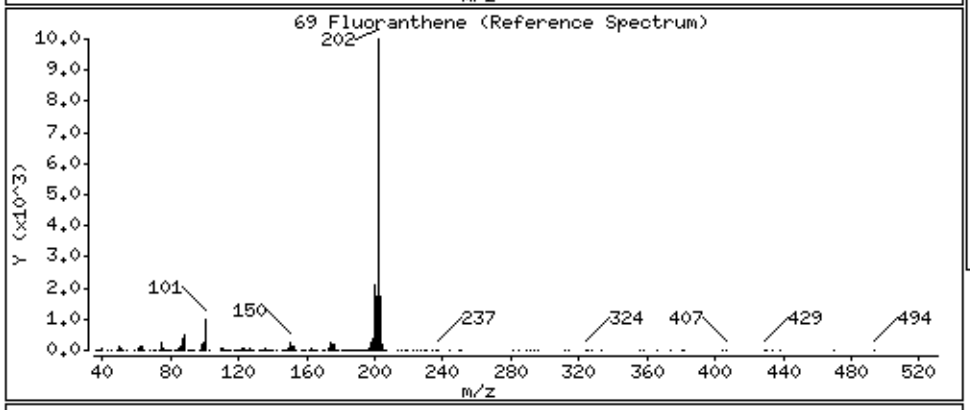
69 Fluoranthene Concentration: 900 ug/Kg

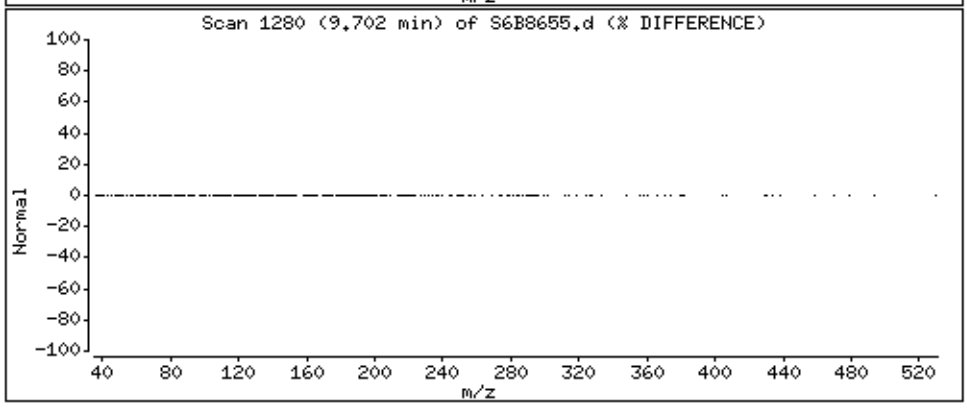












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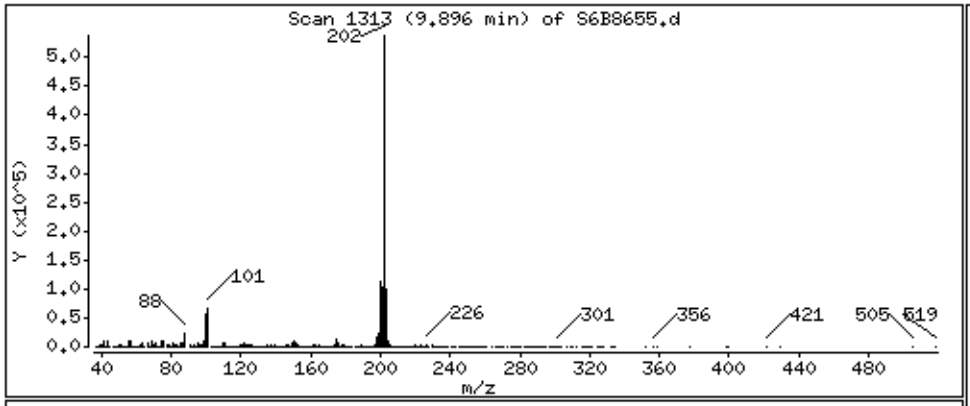
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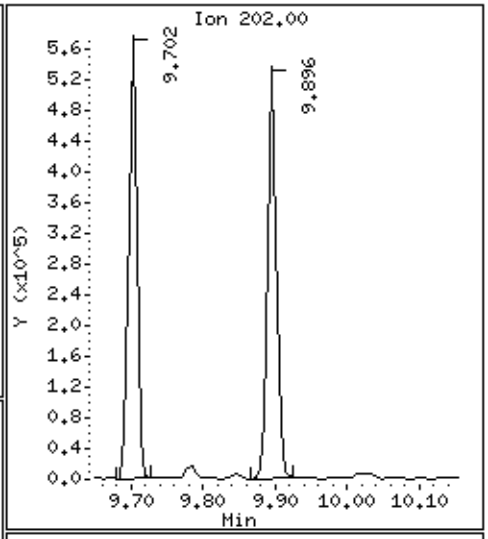
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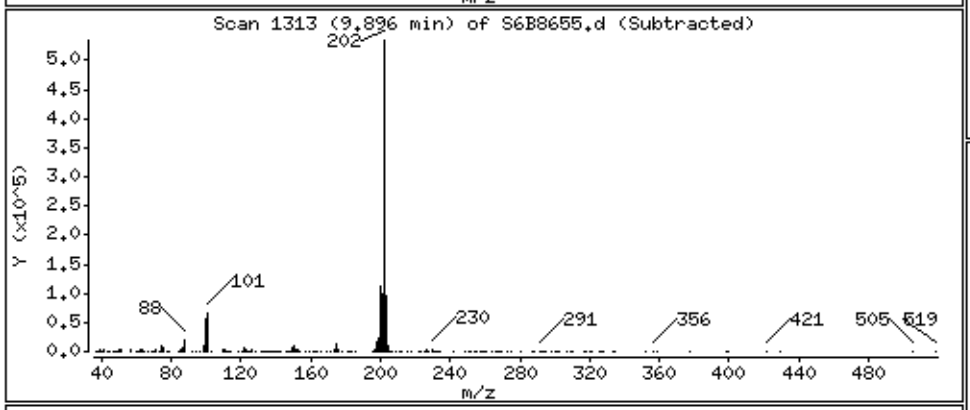
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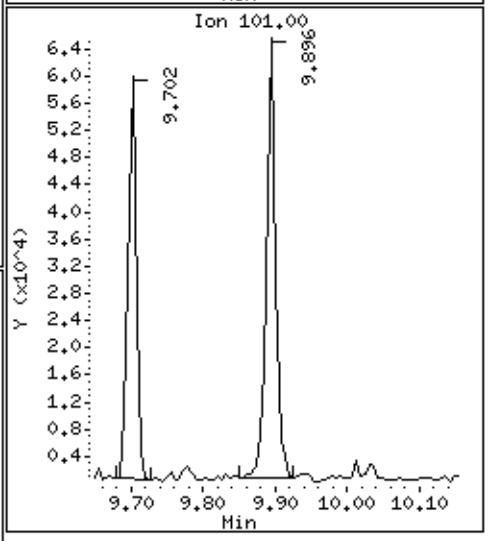
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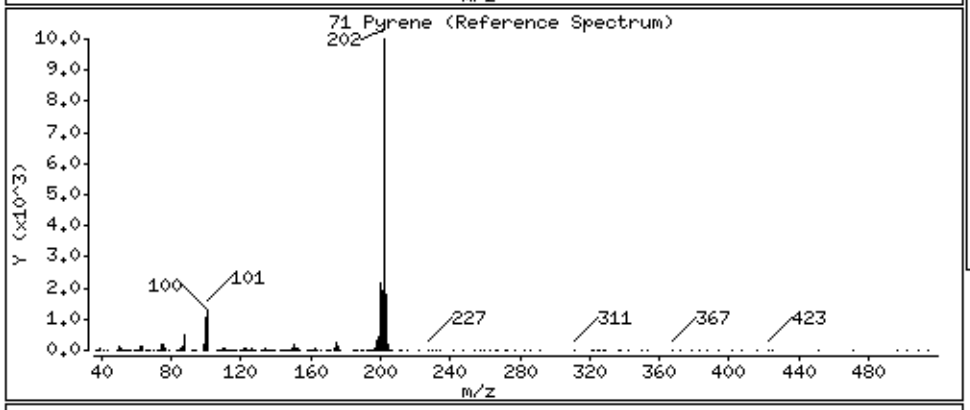
71 Pyrene Concentration: 860 ug/Kg

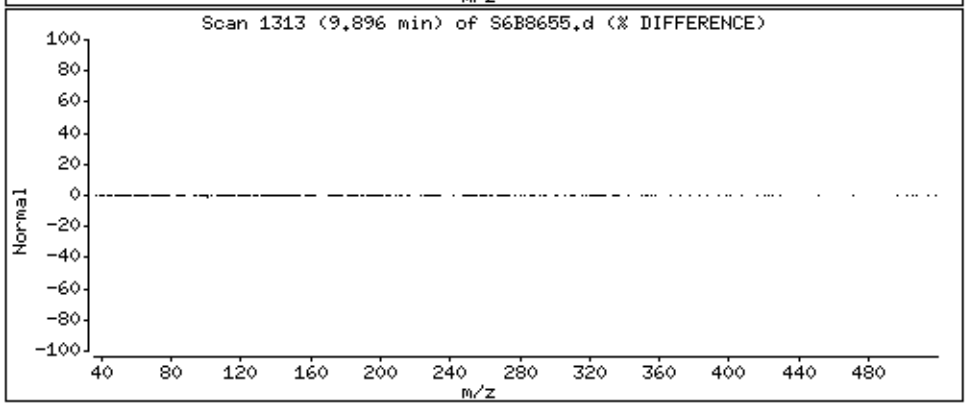












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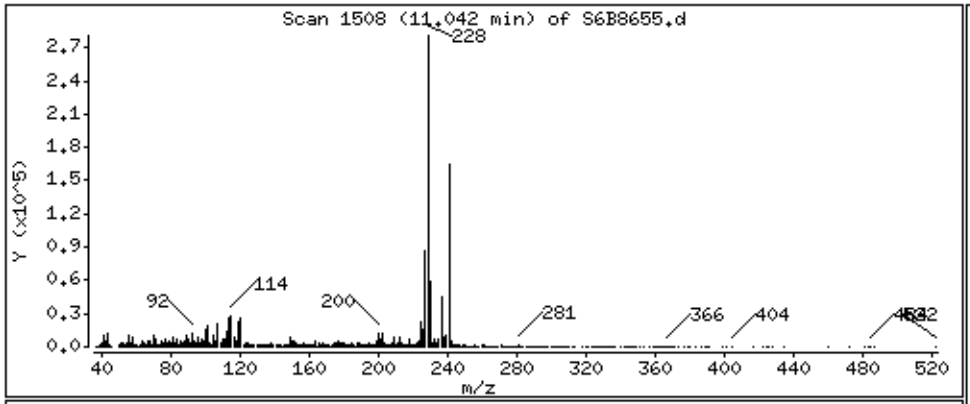
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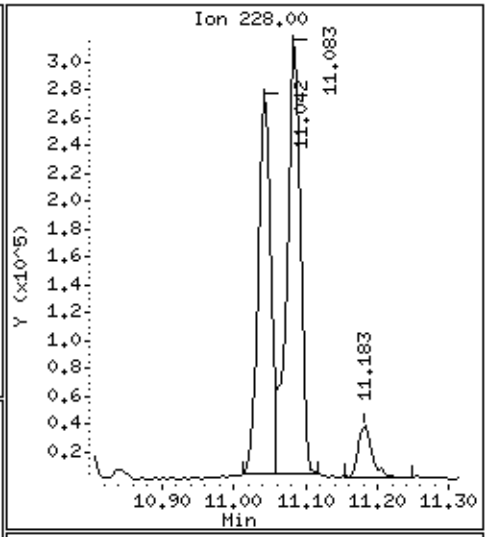
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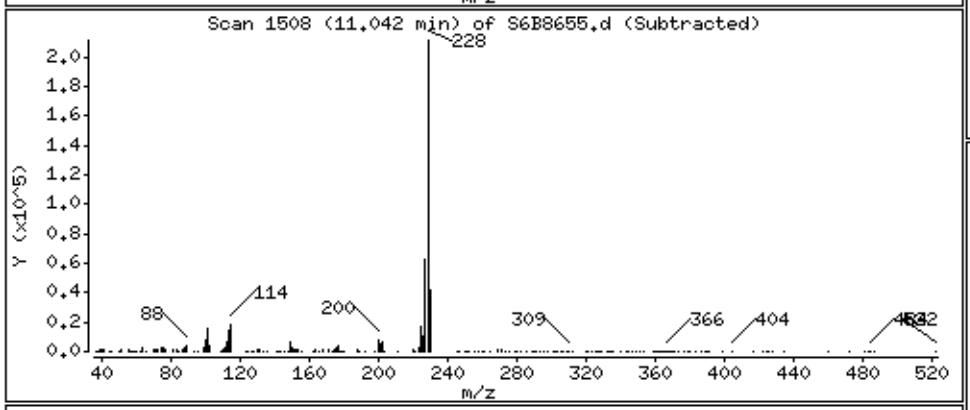
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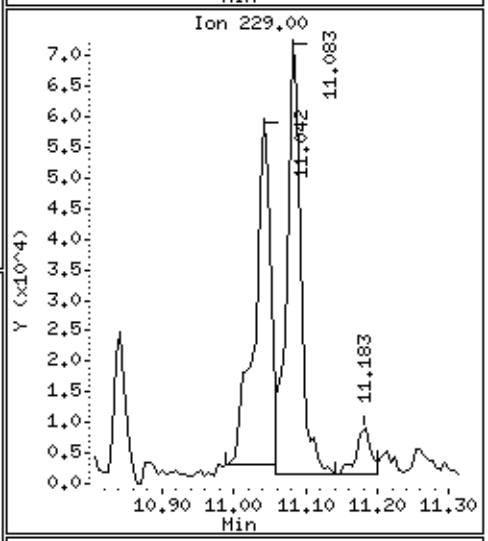
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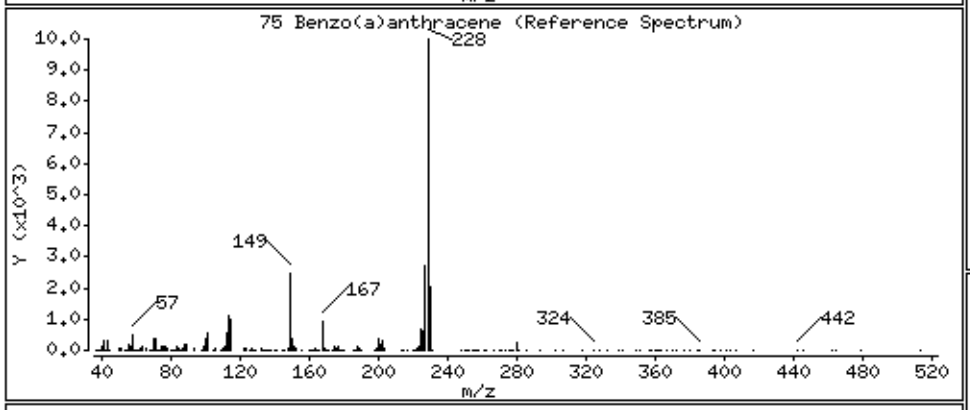
75 Benzo(a)anthracene Concentration: 730 ug/Kg

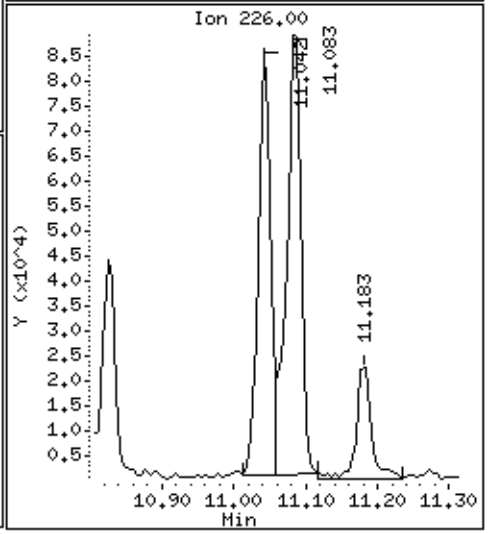


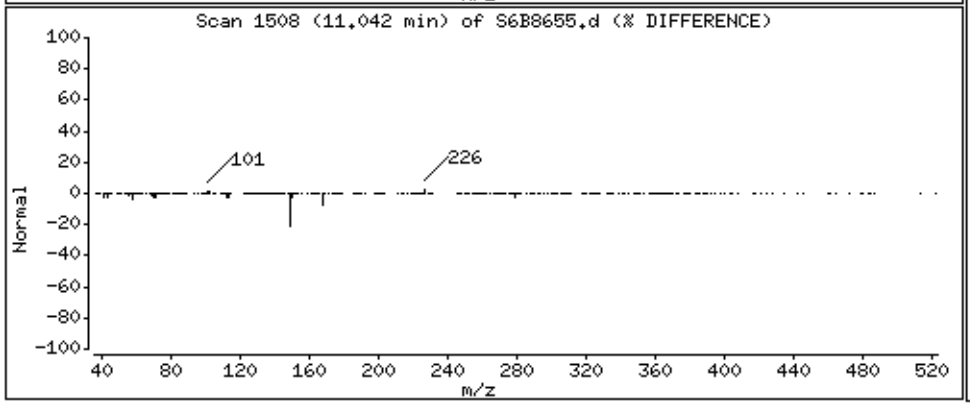












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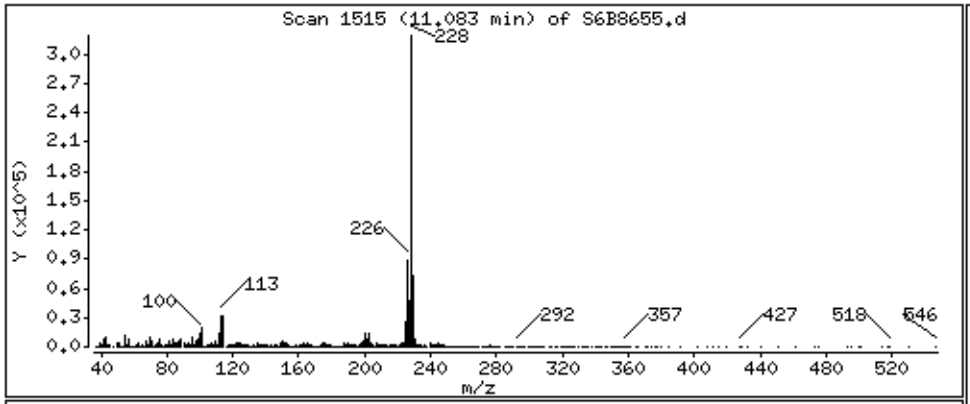
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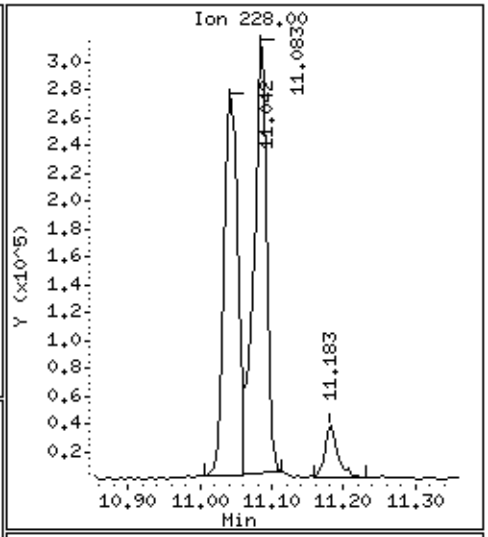
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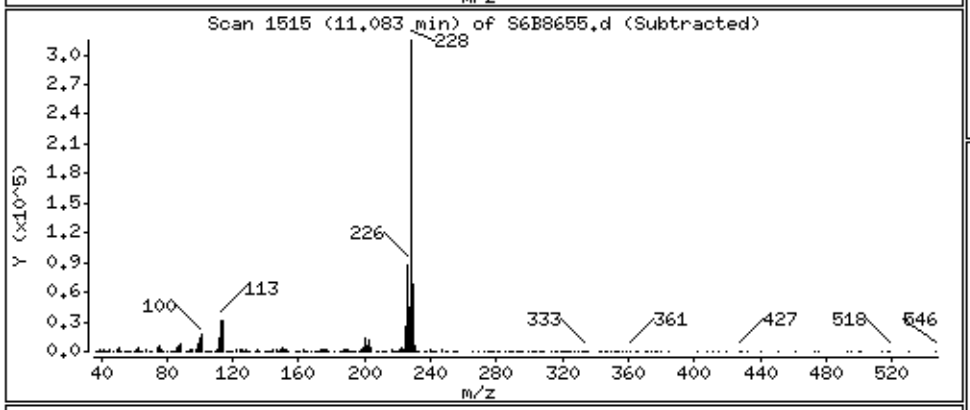
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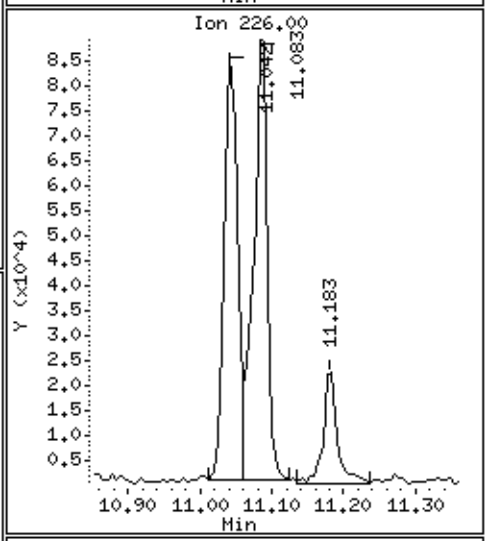
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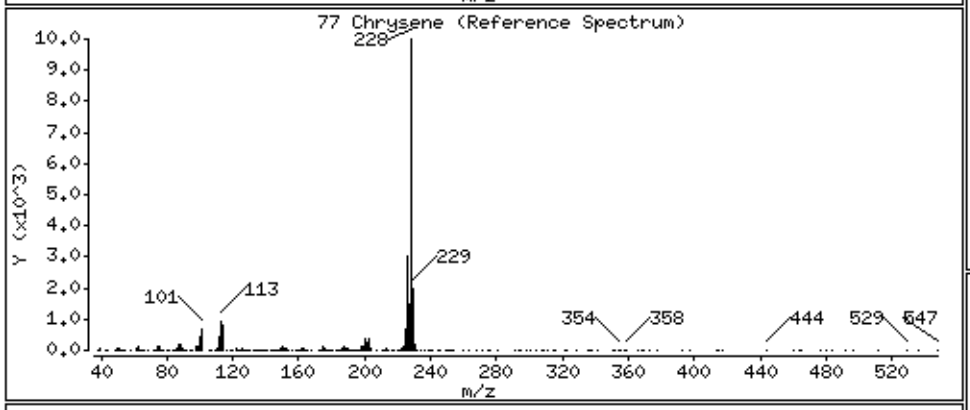
77 Chrysene Concentration: 900 ug/Kg

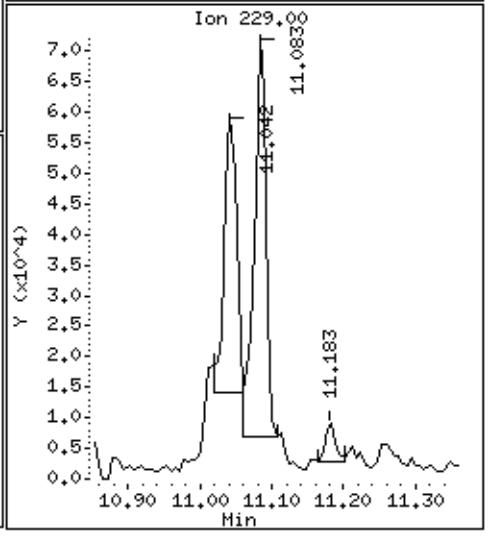


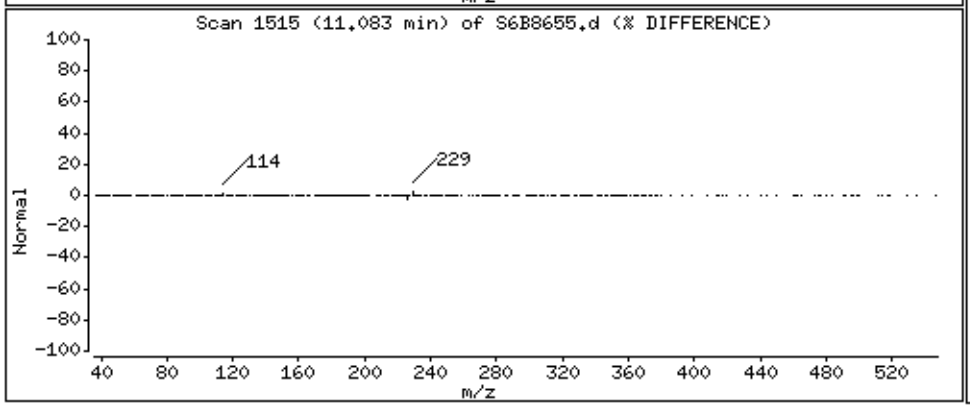












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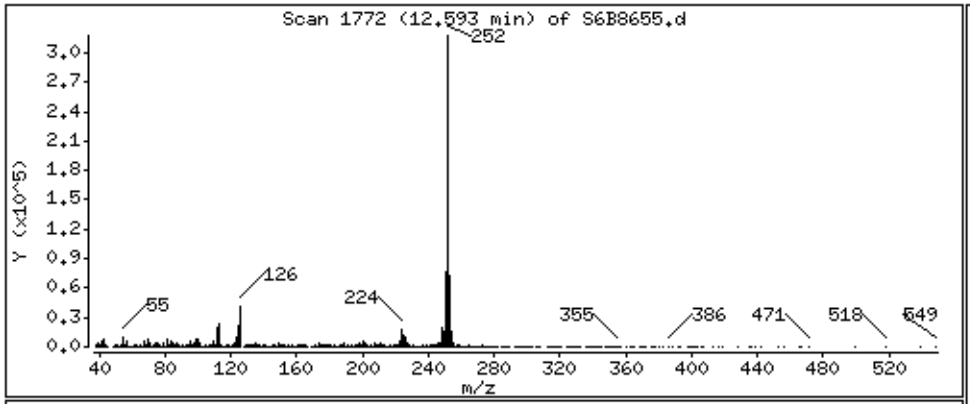
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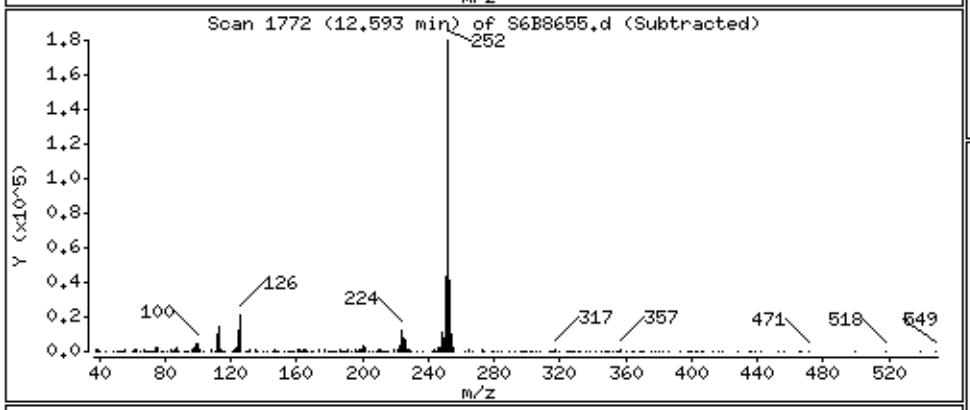
Sample Info: N1194-17A,,78076

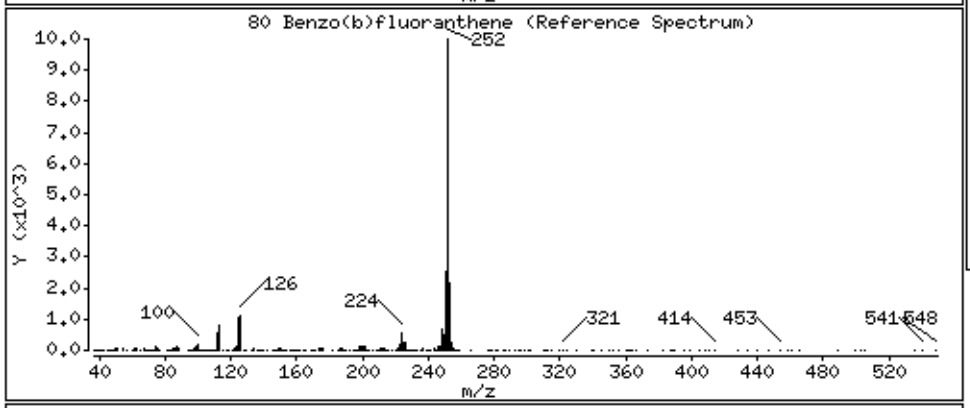
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

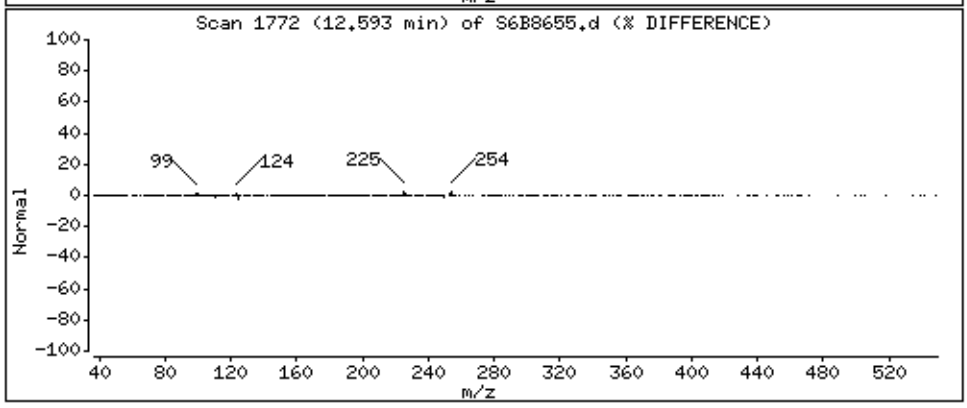
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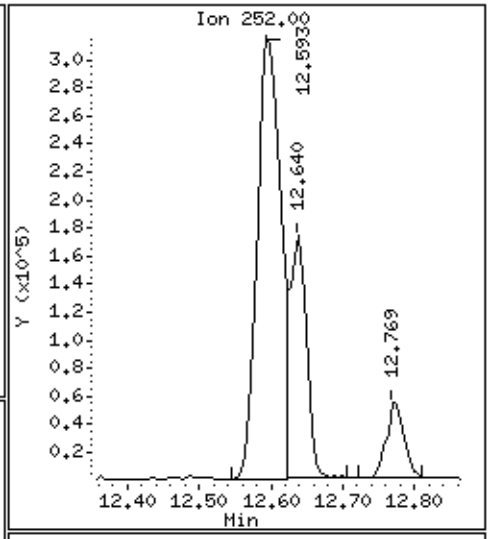
80 Benzo(b)fluoranthene Concentration: 1500 ug/Kg

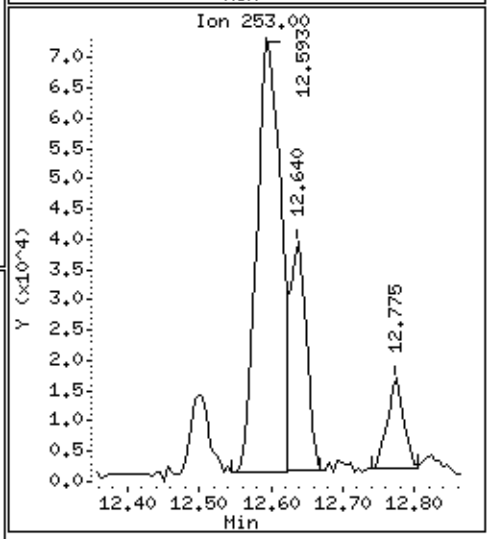












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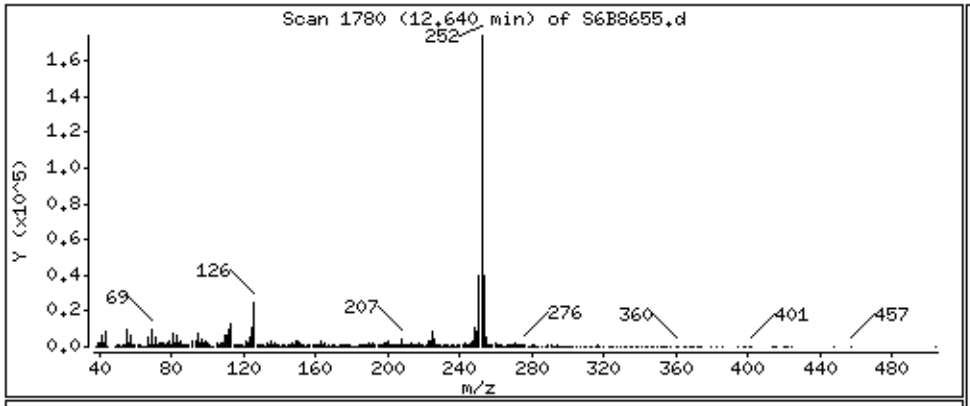
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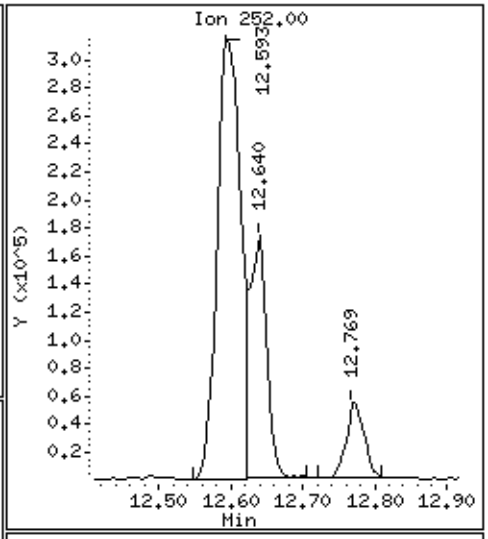
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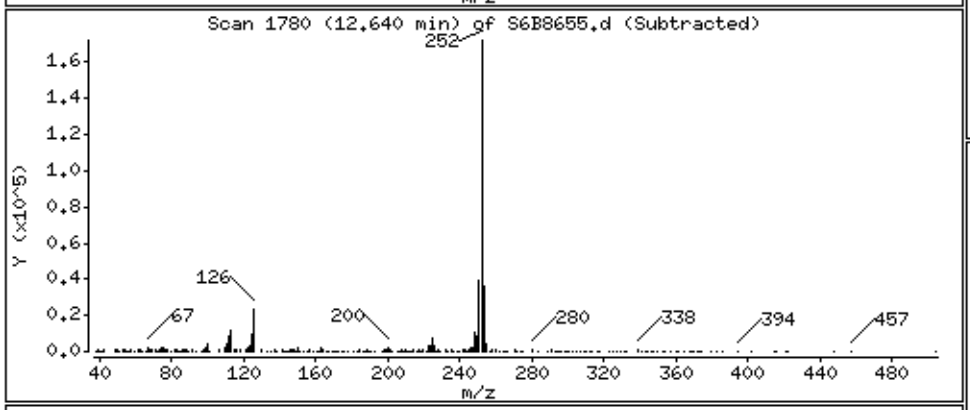
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

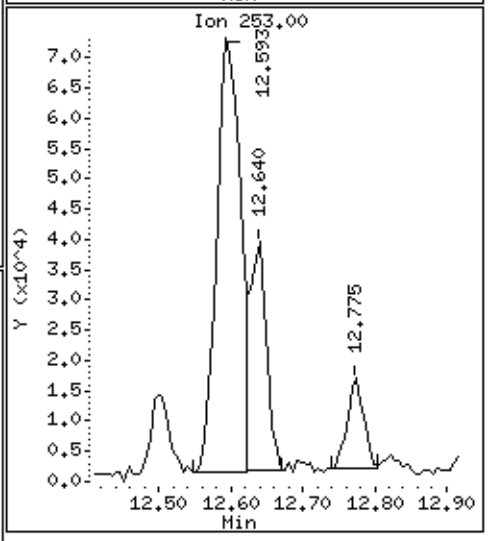
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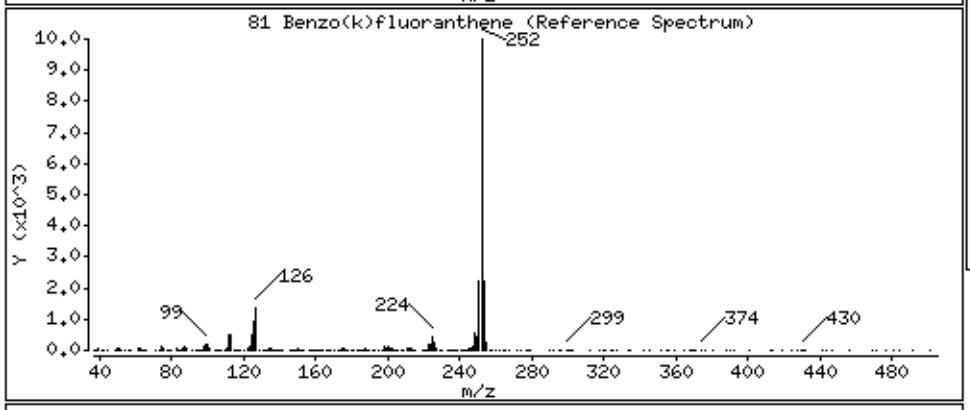
81 Benzo(k)fluoranthene Concentration: 610 ug/Kg

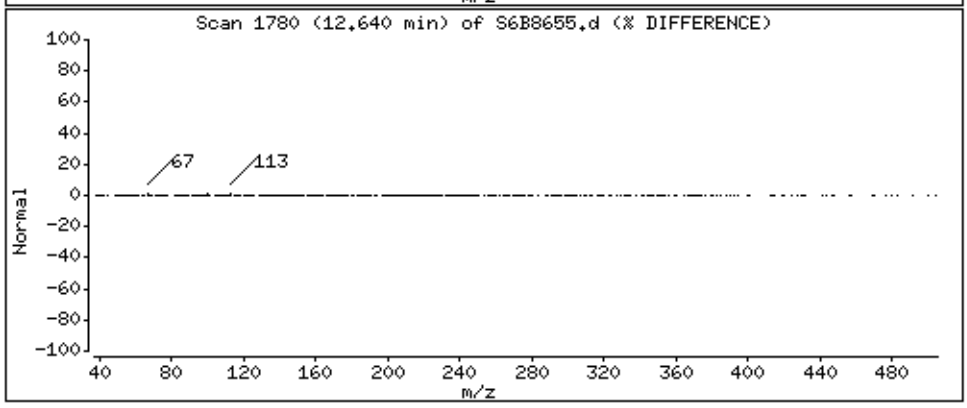












Data File: \\avogadro\organics\S6.I\140718.B\S6B8655.d

Date : 18-JUL-2014 13:56

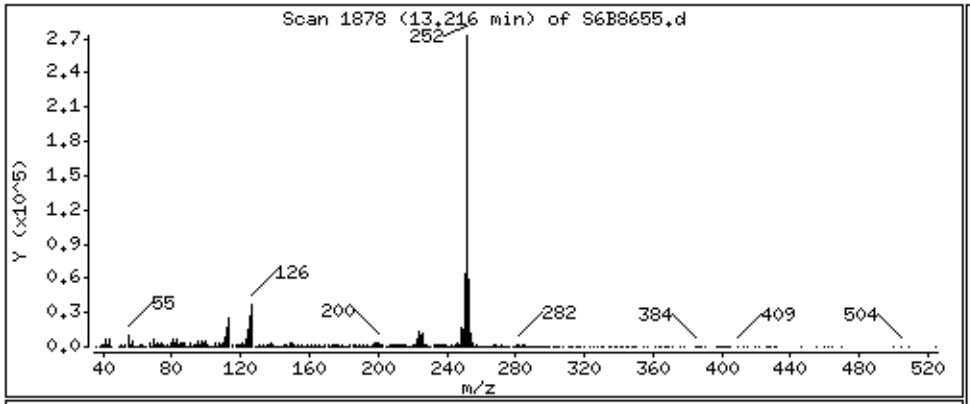
Client ID: SS-25-071014 Instrument: S6.i

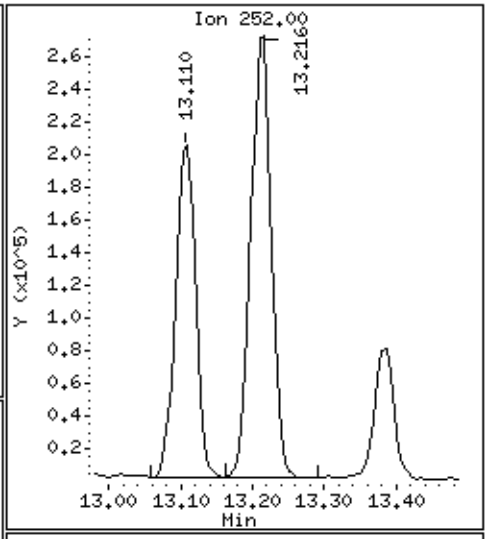
Sample Info: N1194-17A,,78076

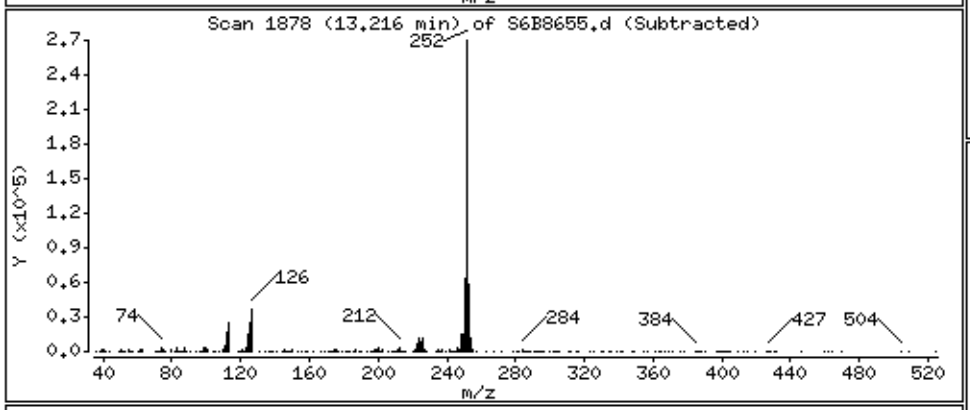
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

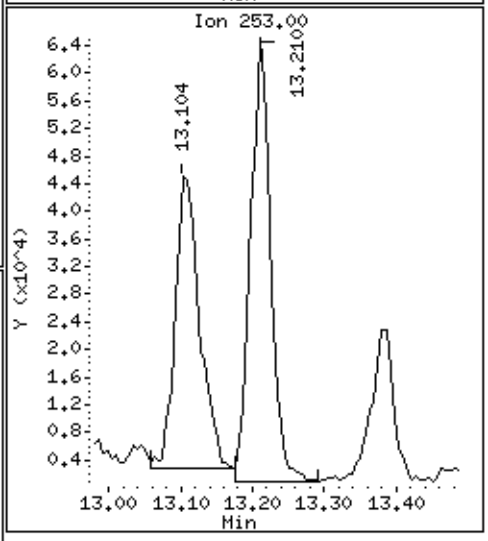
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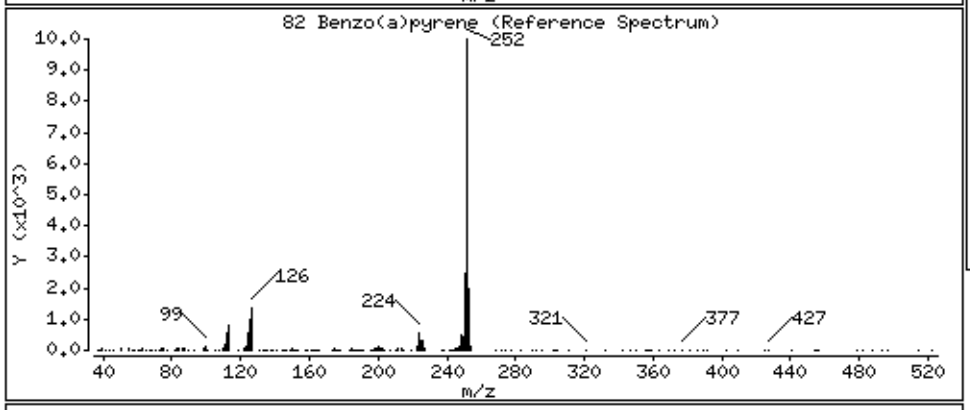
82 Benzo(a)pyrene Concentration: 1200 ug/Kg

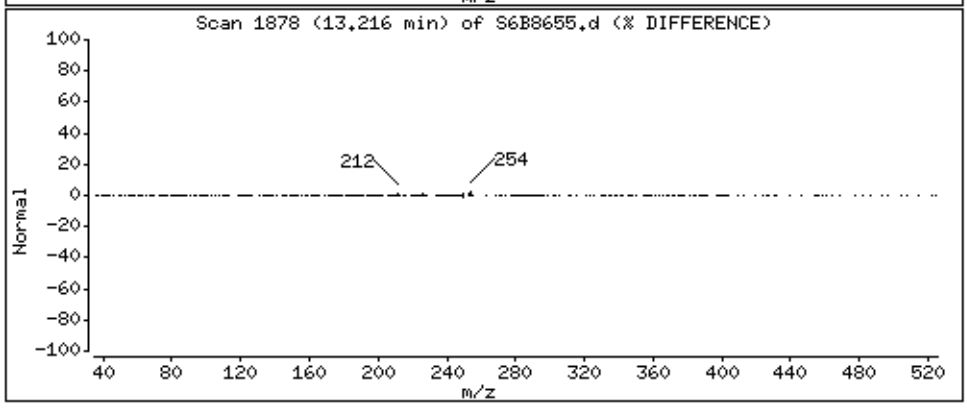












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Date : 18-JUL-2014 13:56

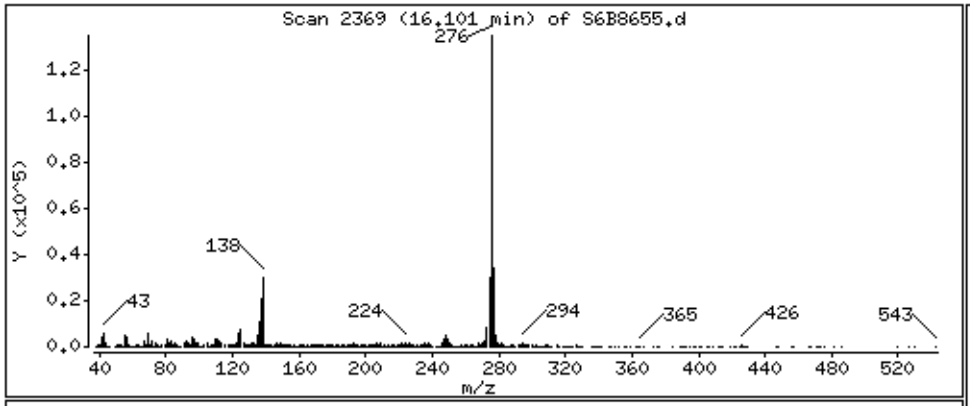
Client ID: SS-25-071014 Instrument: S6.i

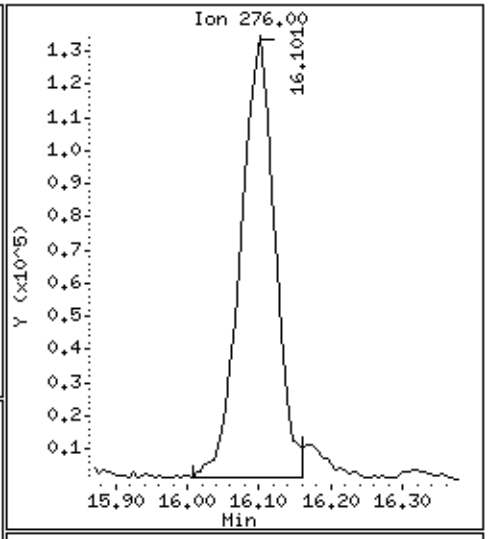
Sample Info: N1194-17A,,78076

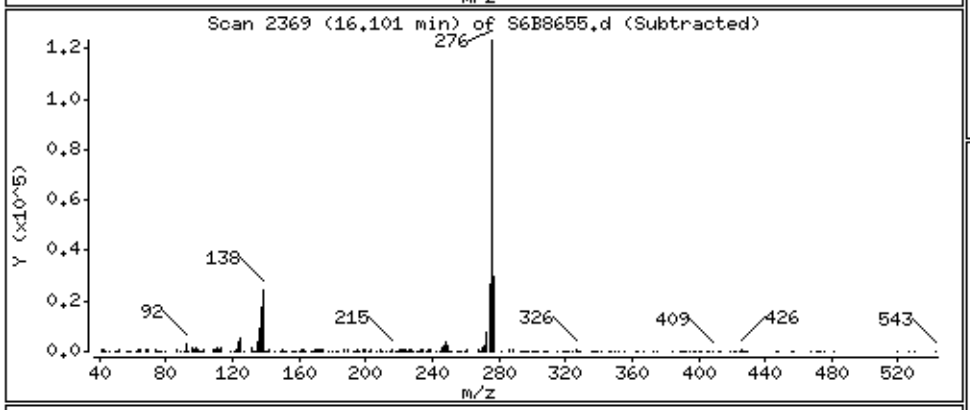
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

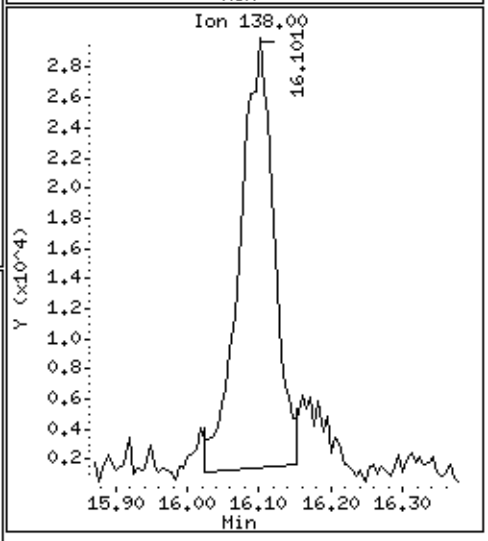
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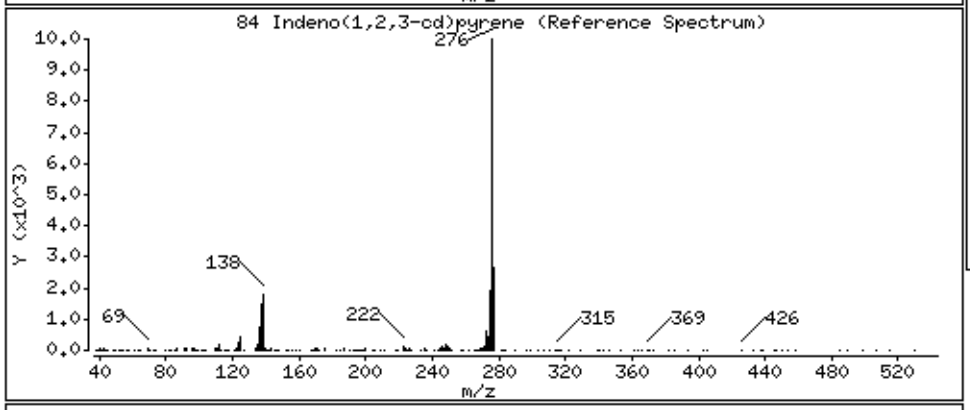
84 Indeno(1,2,3-cd)pyrene Concentration: 1100 ug/Kg

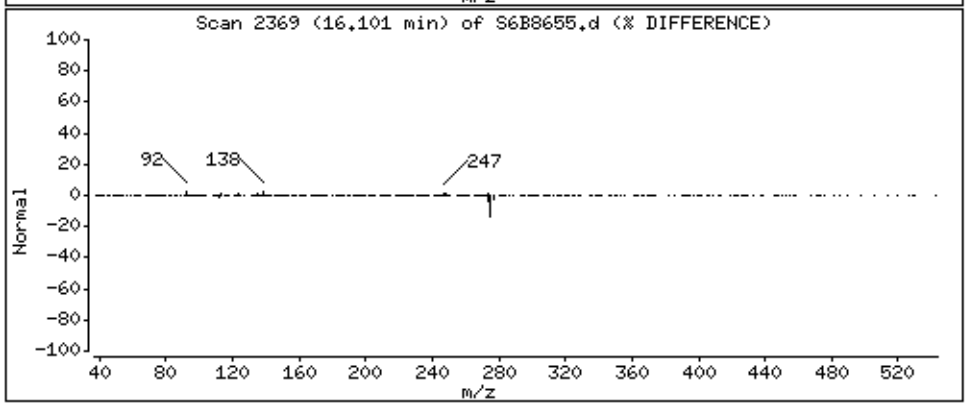












Data File: \\avogadro\organics\S6.I\140718.B\S6B8655.d

Date : 18-JUL-2014 13:56

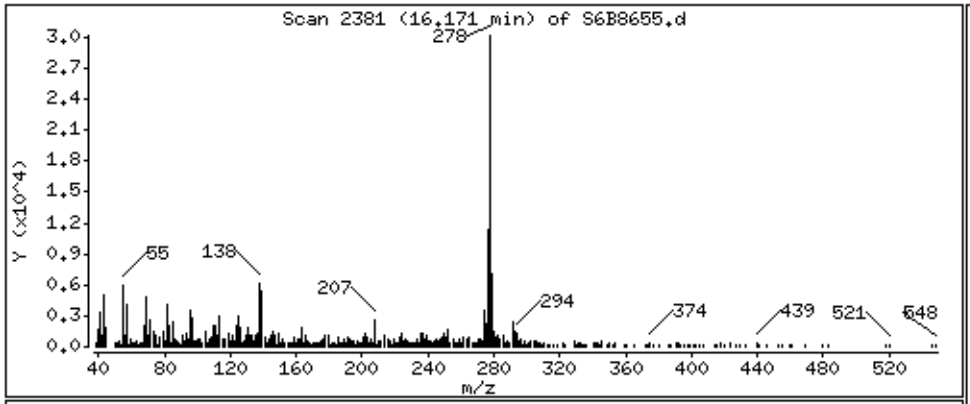
Client ID: SS-25-071014 Instrument: S6.i

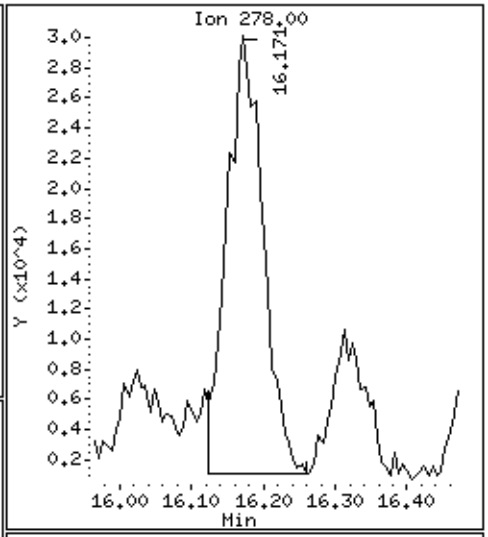
Sample Info: N1194-17A,,78076

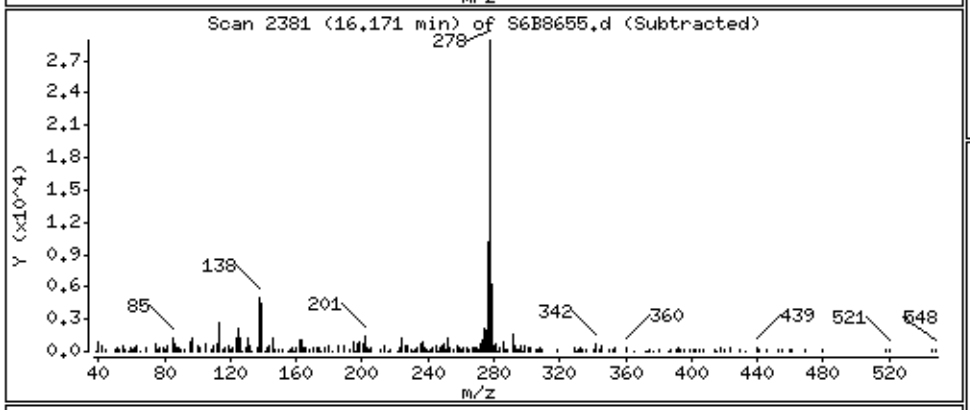
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

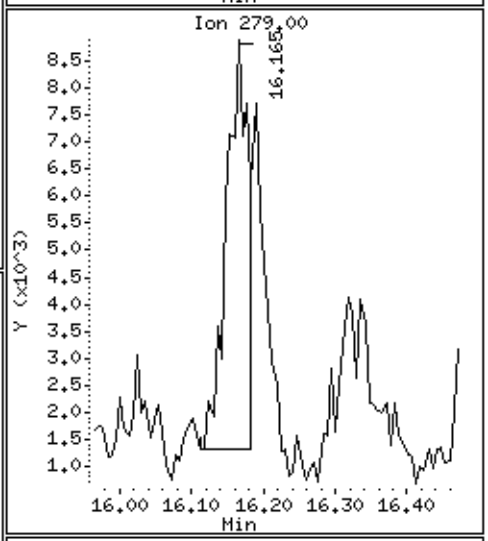
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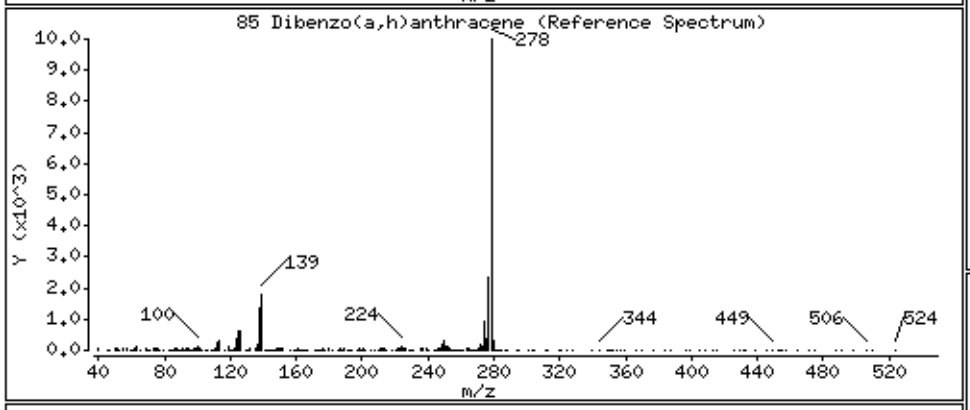
85 Dibenzo(a,h)anthracene Concentration: 260 ug/Kg

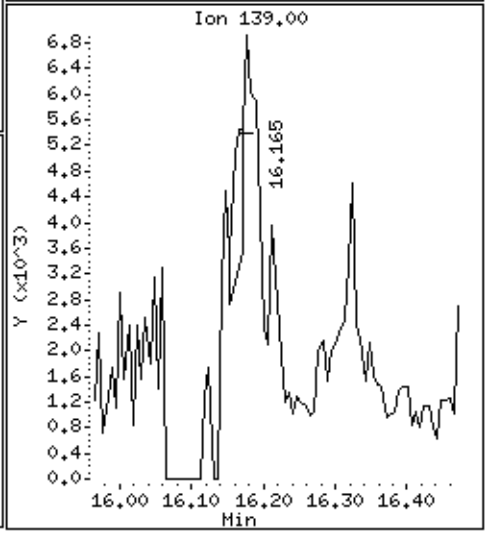


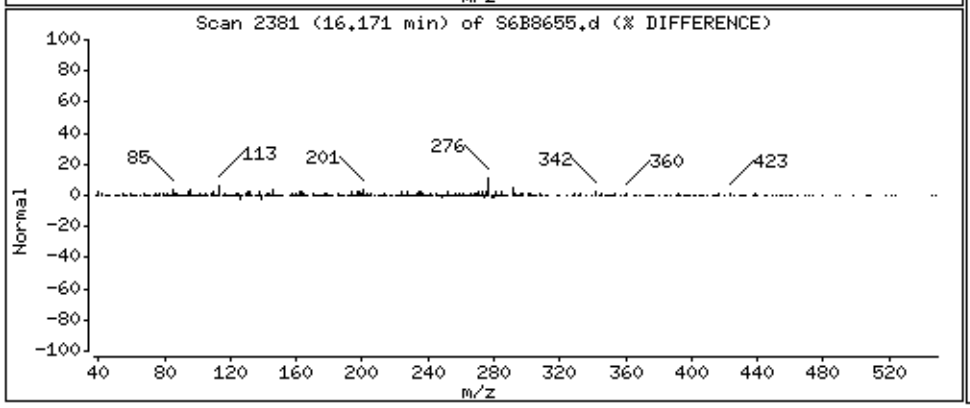












Data File: \\avogadro\organics\S6.I\140718.B\S6B8655.d

Date : 18-JUL-2014 13:56

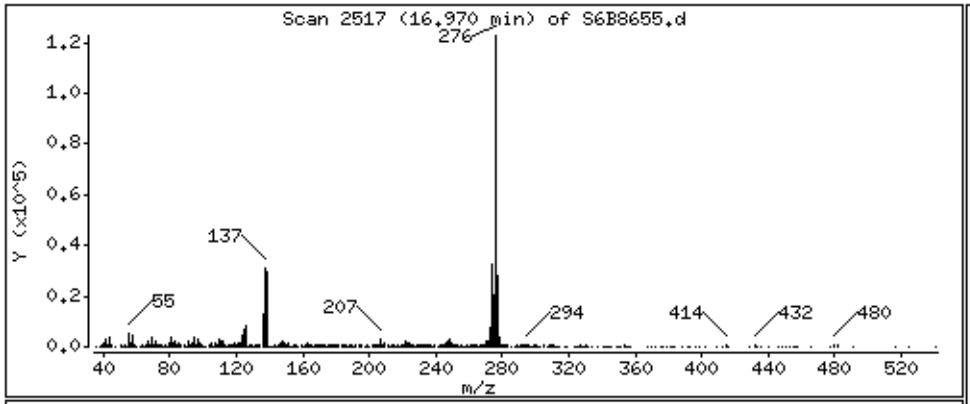
Client ID: SS-25-071014 Instrument: S6.i

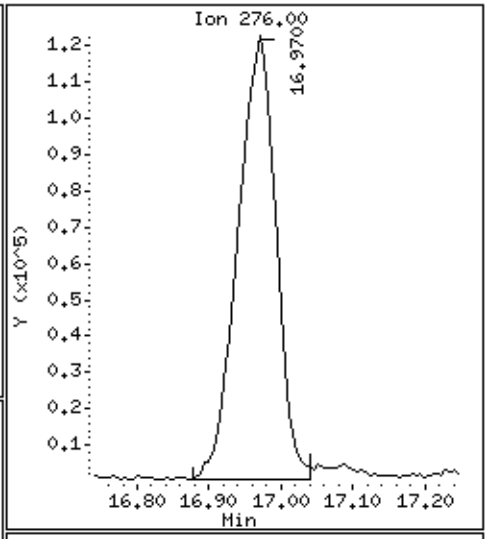
Sample Info: N1194-17A,,78076

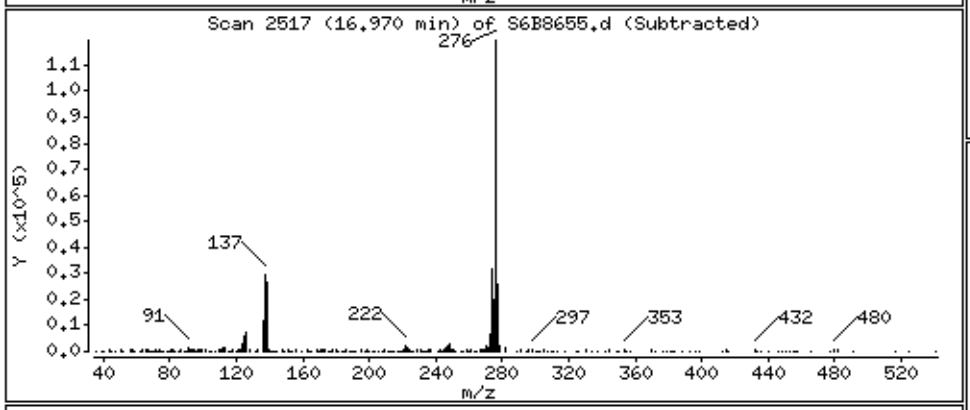
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

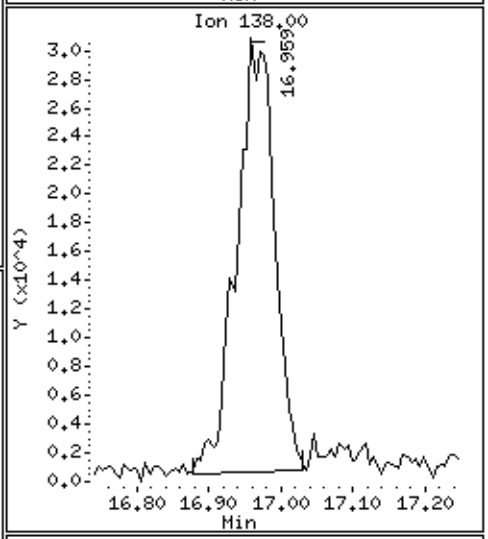
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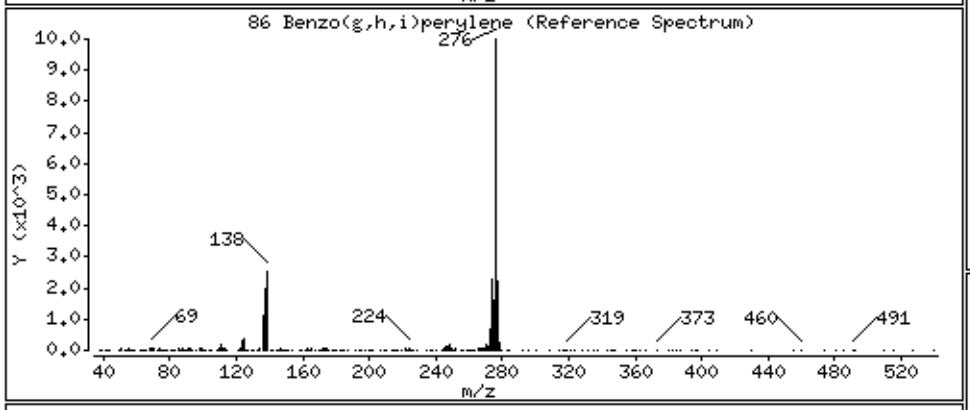
86 Benzo(g,h,i)perylene Concentration: 1000 ug/Kg

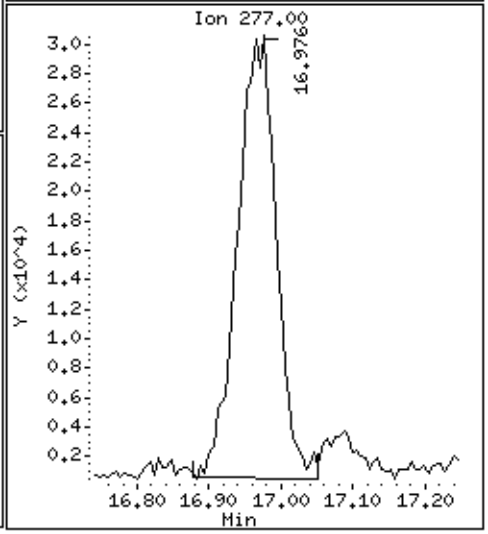


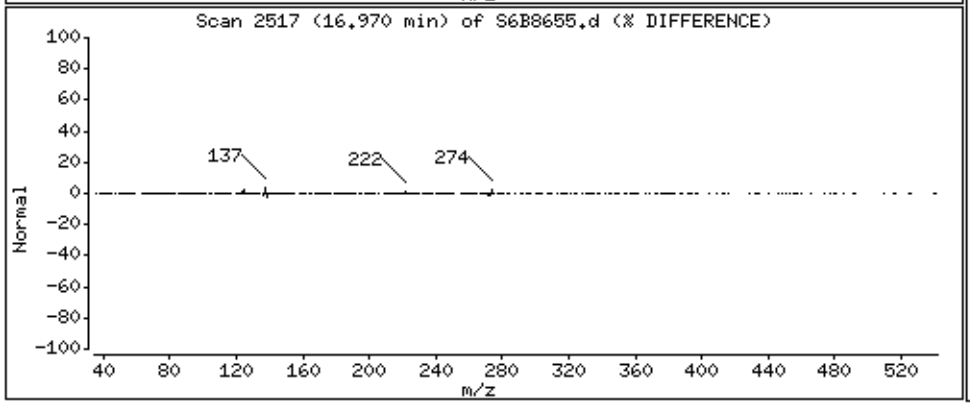












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-26-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-18A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8656.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	80	J
86-73-7	Fluorene	370	U
87-86-5	Pentachlorophenol	750	U
85-01-8	Phenanthrene	340	J
120-12-7	Anthracene	78	J
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	2000	
56-55-3	Benzo(a)anthracene	1700	
218-01-9	Chrysene	2400	
205-99-2	Benzo(b)fluoranthene	4200	
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	3100	
193-39-5	Indeno(1,2,3-cd)pyrene	3000	
53-70-3	Dibenzo(a,h)anthracene	730	
191-24-2	Benzo(g,h,i)perylene	3100	

Data File: \\avogadro\organics\S6.I\140718.B\S6B8656.d
Report Date: 21-Jul-2014 13:14

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140718.B\S6B8656.d
Lab Smp Id: N1194-18A Client Smp ID: SS-26-071014
Inj Date : 18-JUL-2014 14:20
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-18A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140718.B\S6_8270C_N.m
Meth Date : 21-Jul-2014 13:13 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.300	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.808	3.803	(0.773)	309826	33.2044	2200
$	5 Phenol-d5	99	4.625	4.625	(0.939)	384600	32.2867	2100
*	12 1,4-Dichlorobenzene-d4	152	4.925	4.925	(1.000)	281700	40.0000	
$	22 Nitrobenzene-d5	82	5.395	5.395	(0.899)	390795	39.1986	2600
*	31 Naphthalene-d8	136	6.000	6.000	(1.000)	967260	40.0000	
$	41 2-Fluorobiphenyl	172	6.893	6.893	(0.924)	798312	36.7585	2400
*	48 Acenaphthene-d10	164	7.463	7.463	(1.000)	620591	40.0000	
	49 Acenaphthene	153	7.487	7.492	(1.003)	20354	1.07854	70(a)
$	60 2,4,6-Tribromophenol	330	8.115	8.115	(0.934)	97653	35.2704	2300
*	64 Phenanthrene-d10	188	8.691	8.697	(1.000)	1202638	40.0000	
	65 Phenanthrene	178	8.709	8.715	(1.002)	149473	4.60276	300(a)
	66 Anthracene	178	8.756	8.756	(1.007)	34656	1.04740	68(a)
	67 Carbazole	167	8.885	8.885	(1.022)	32159	1.08152	71(a)
	69 Fluoranthene	202	9.702	9.708	(1.116)	833512	22.4266	1500
	71 Pyrene	202	9.896	9.901	(0.895)	928780	26.5353	1700
$	72 Terphenyl-d14	244	10.019	10.019	(0.906)	916203	40.3014	2600
	75 Benzo(a)anthracene	228	11.047	11.059	(0.999)	752462	23.1899	1500
*	76 Chrysene-d12	240	11.059	11.077	(1.000)	1136447	40.0000	
	77 Chrysene	228	11.088	11.106	(1.003)	957210	32.1420	2100

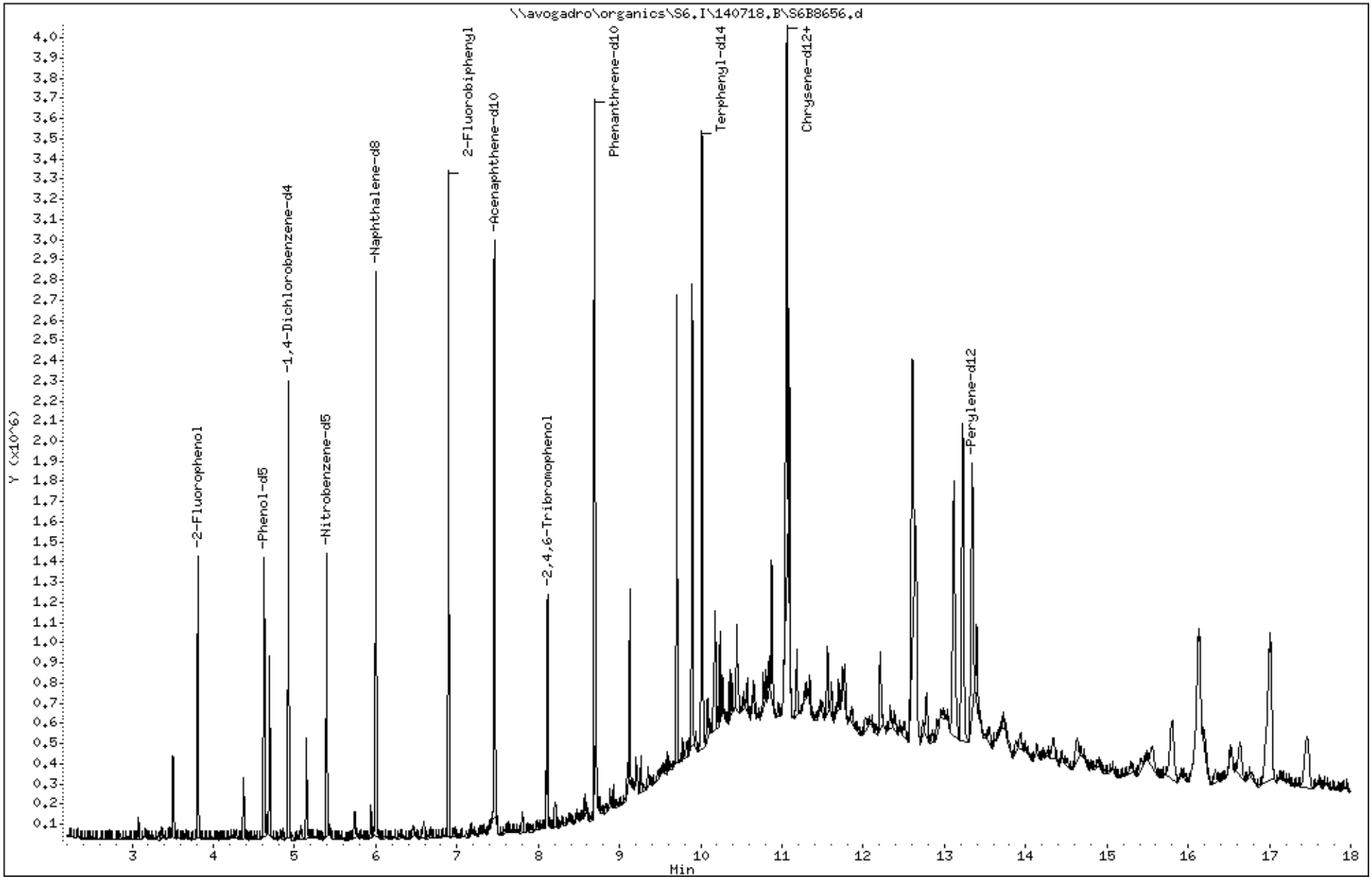
Data File: \\avogadro\organics\S6.I\140718.B\S6B8656.d
Report Date: 21-Jul-2014 13:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	80 Benzo(b)fluoranthene	252	12.604	12.610	(0.945)	1827261	56.2321	3700
	81 Benzo(k)fluoranthene	252	12.645	12.663	(0.948)	673460	20.4119	1300
	82 Benzo(a)pyrene	252	13.227	13.233	(0.991)	1299068	41.9017	2700
*	83 Perylene-d12	264	13.344	13.356	(1.000)	1105266	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	16.129	16.124	(1.209)	1100556	40.6844	2600
	85 Dibenzo(a,h)anthracene	278	16.200	16.218	(1.214)	259984	9.87822	640(a)
	86 Benzo(g,h,i)perylene	276	17.011	16.993	(1.275)	1155971	41.3799	2700

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\avogadro\organics\S6.I\140718.B\S6B8656.d
Date : 18-JUL-2014 14:20
Client ID: SS-26-071014
Instrument: S6.i
Sample Info: N1194-18A,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140718.B\S6B8656.d

Date : 18-JUL-2014 14:20

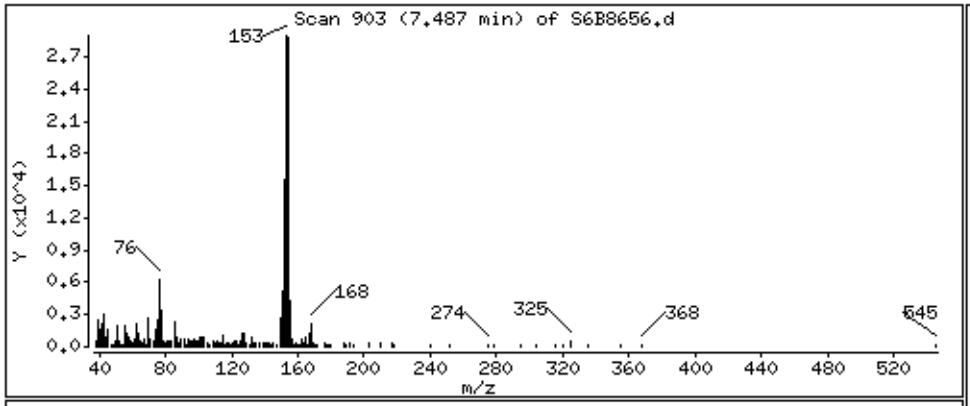
Client ID: SS-26-071014 Instrument: S6.i

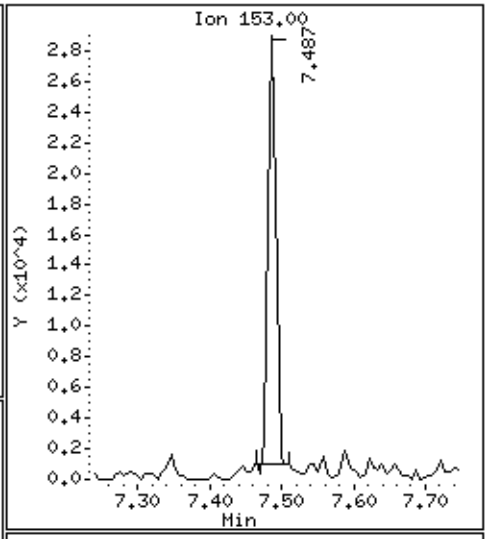
Sample Info: N1194-18A,,78076

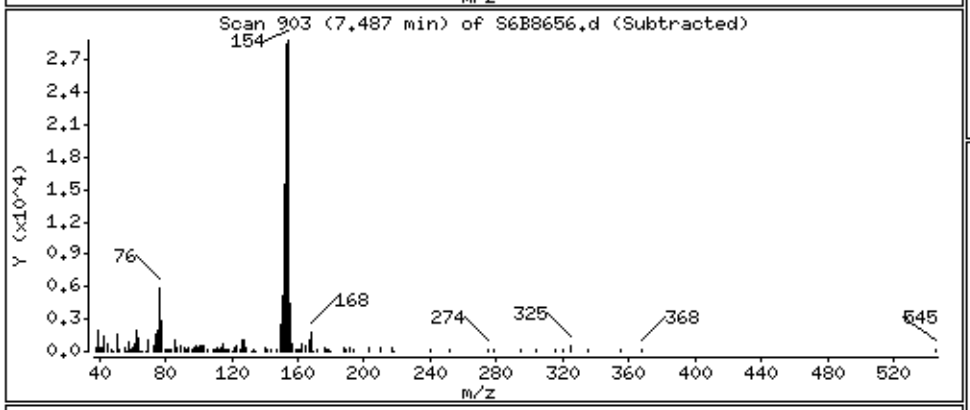
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

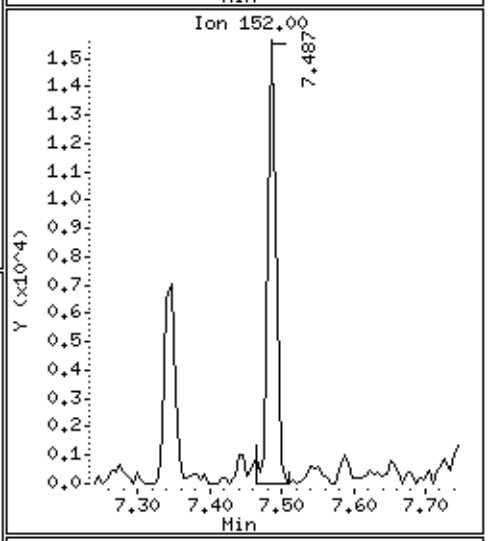
Column phase: Rxi-5Sil MS Column diameter: 0.25

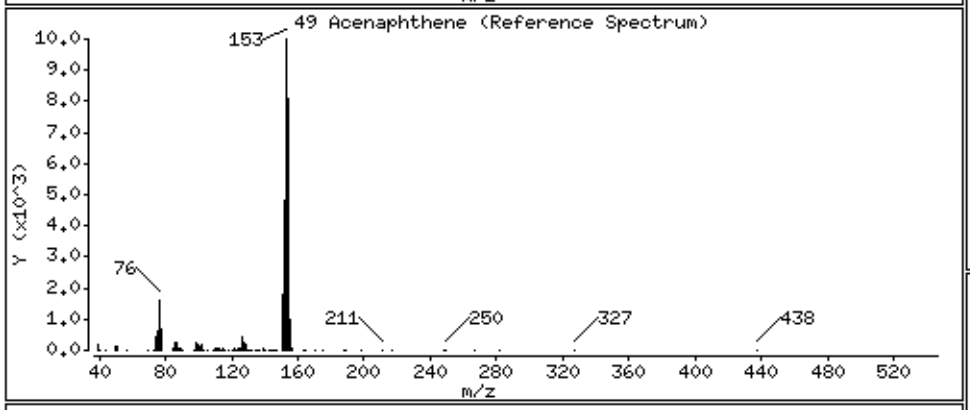
49 Acenaphthene Concentration: 70 ug/Kg

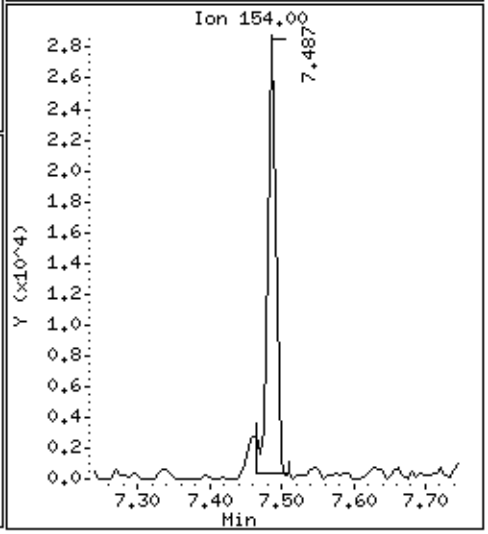


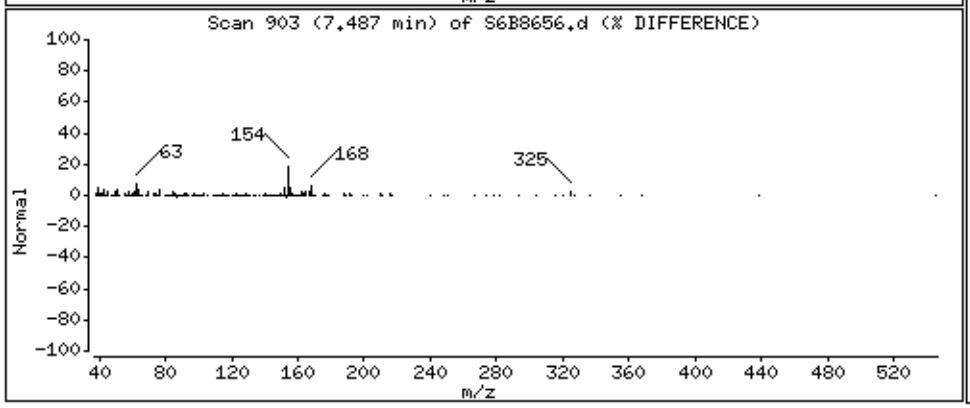












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Date : 18-JUL-2014 14:20

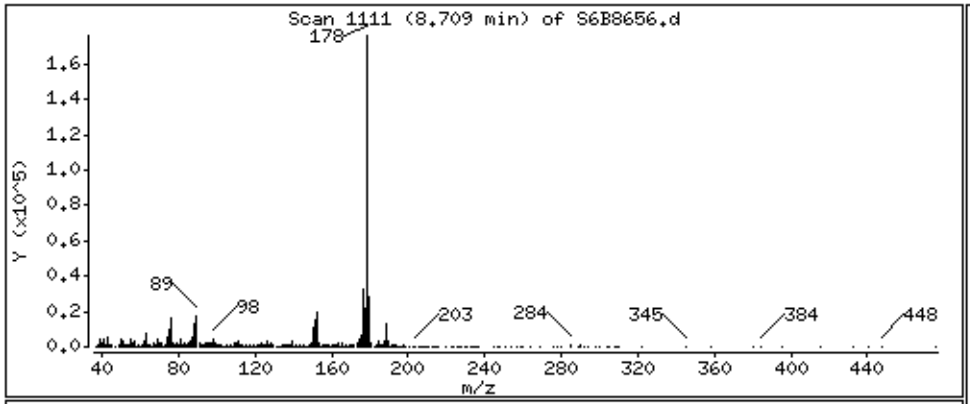
Client ID: SS-26-071014 Instrument: S6.i

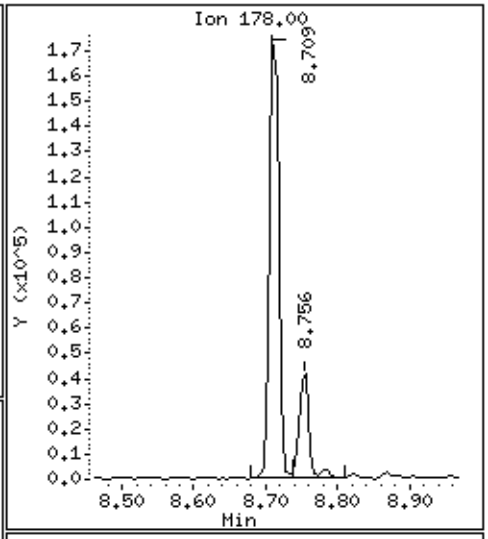
Sample Info: N1194-18A,,78076

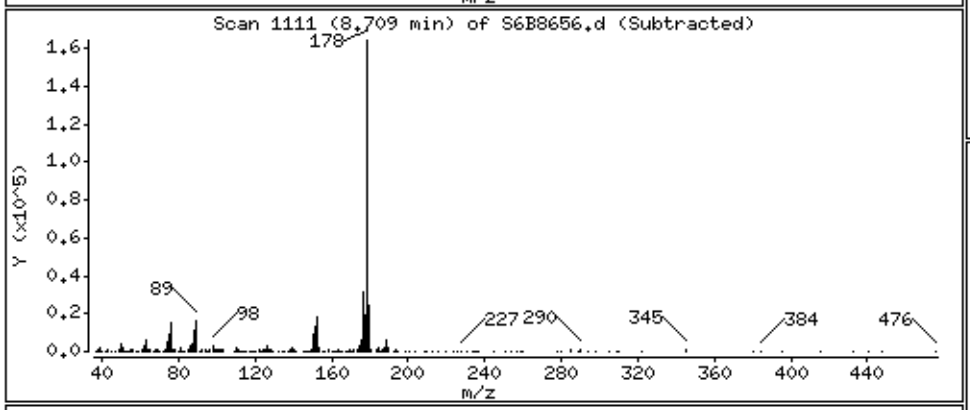
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

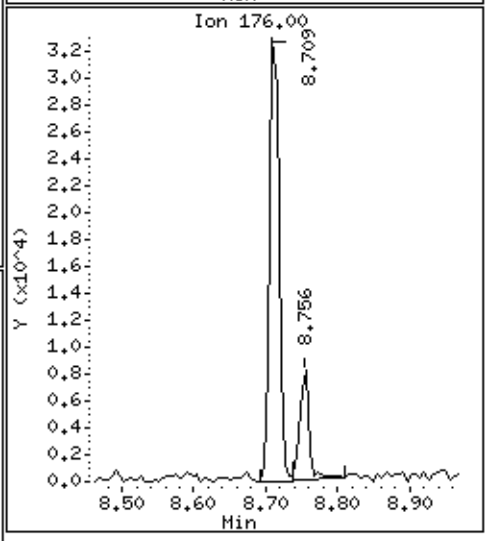
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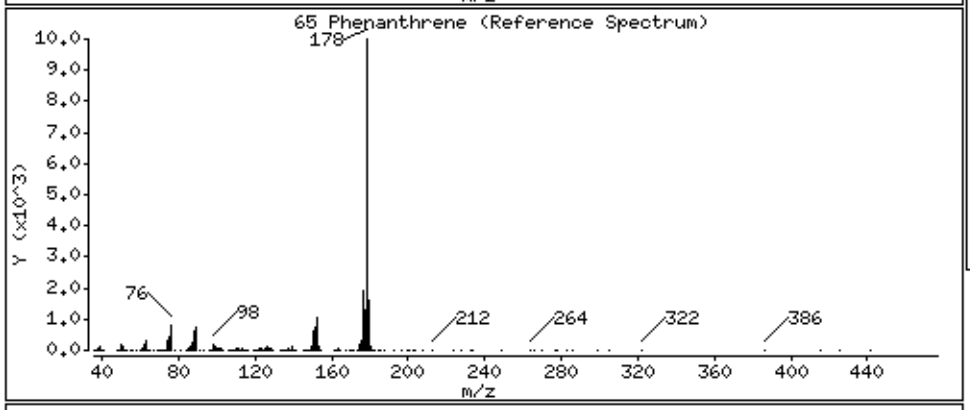
65 Phenanthrene Concentration: 300 ug/Kg

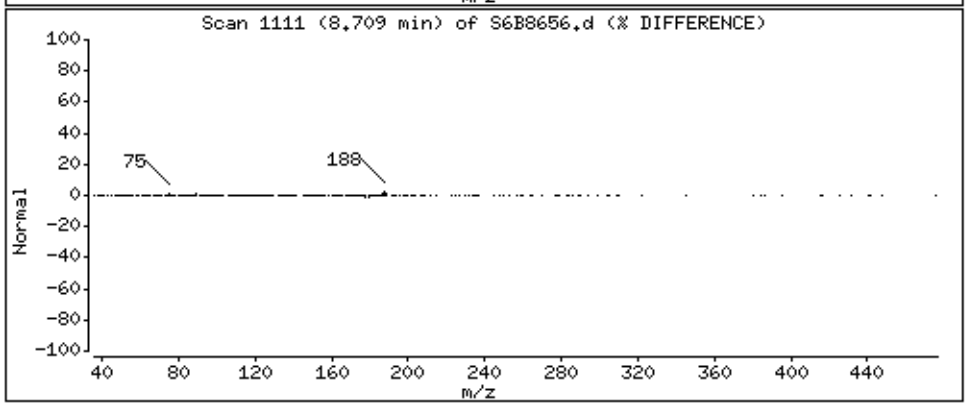












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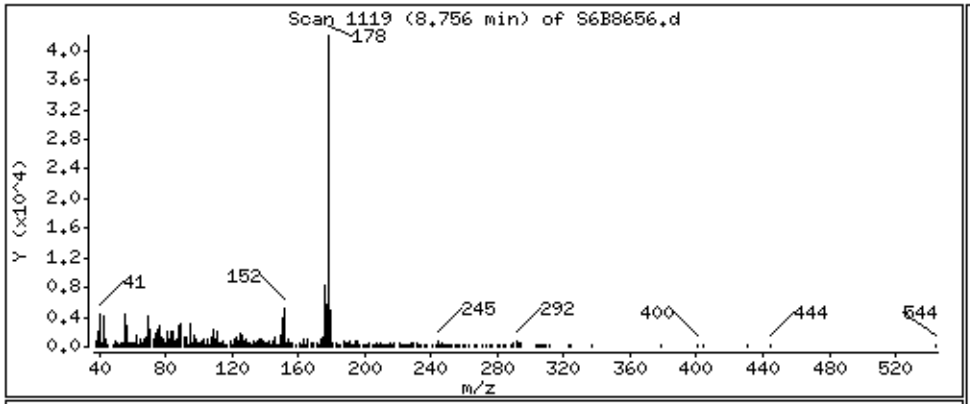
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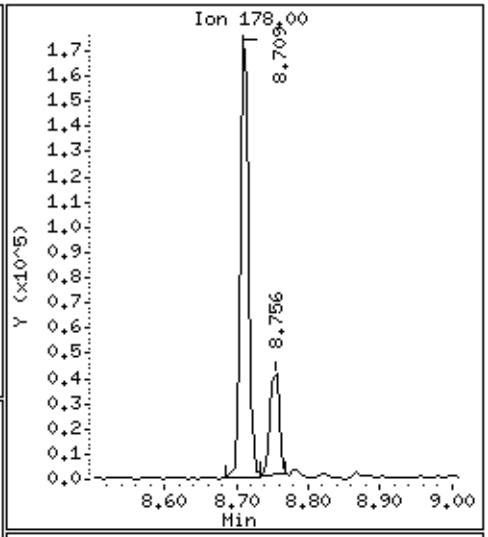
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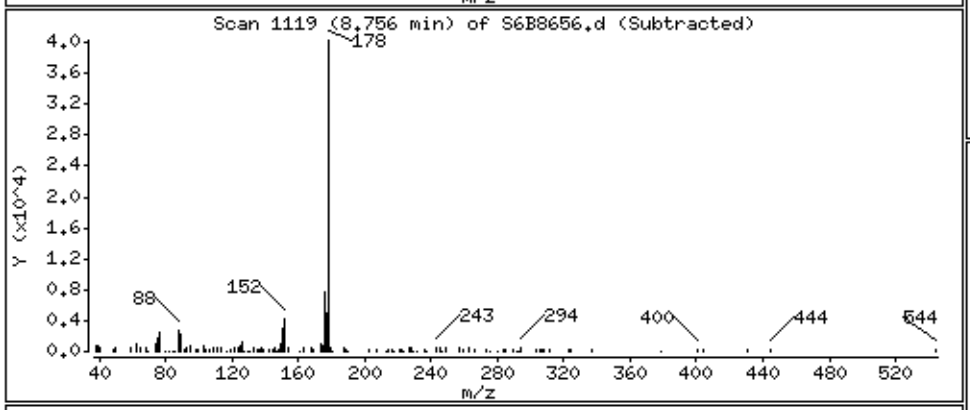
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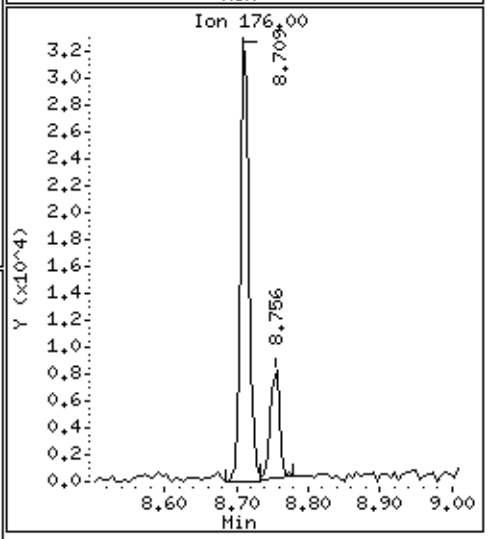
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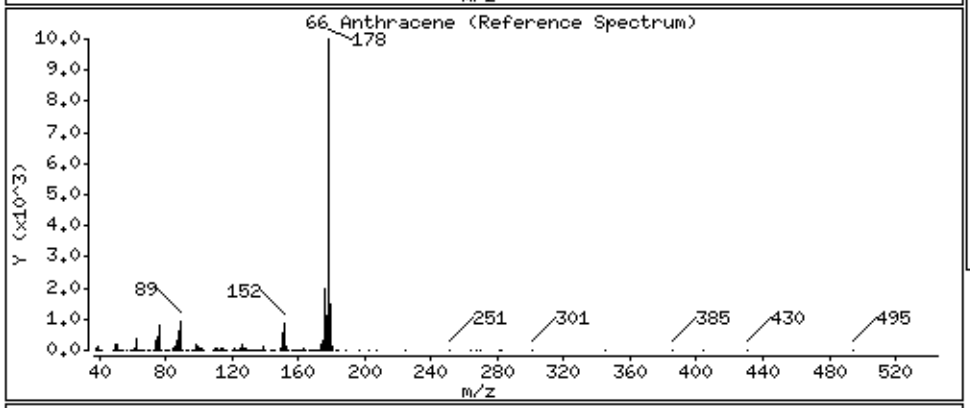
66 Anthracene Concentration: 68 ug/Kg

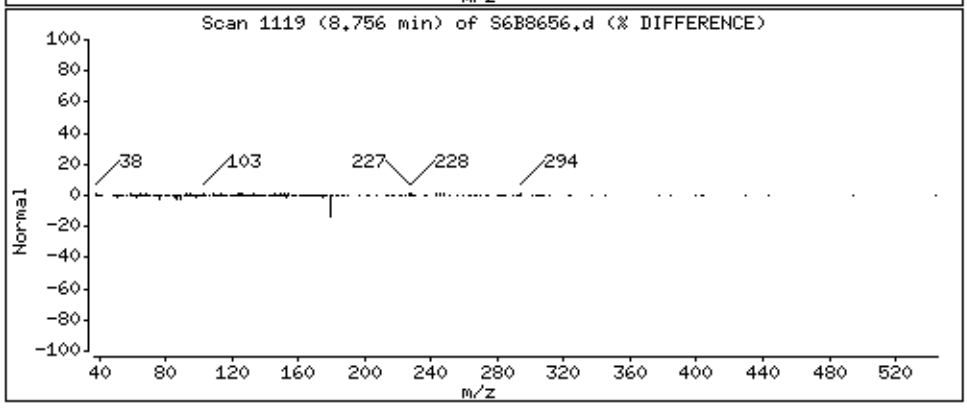












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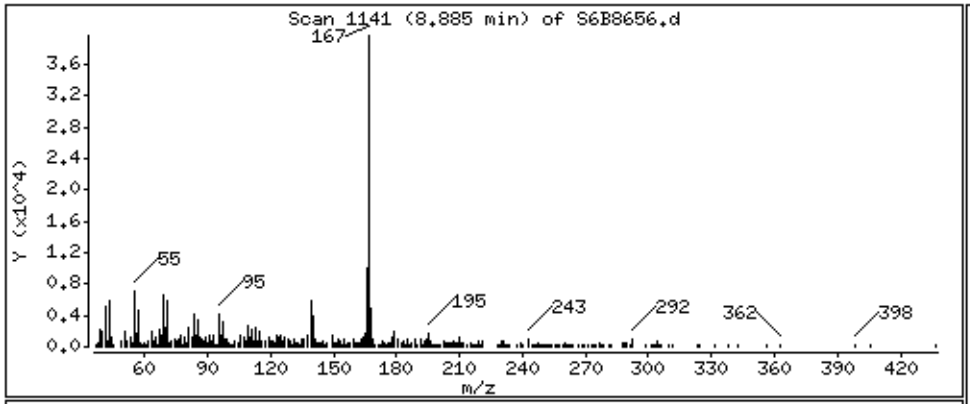
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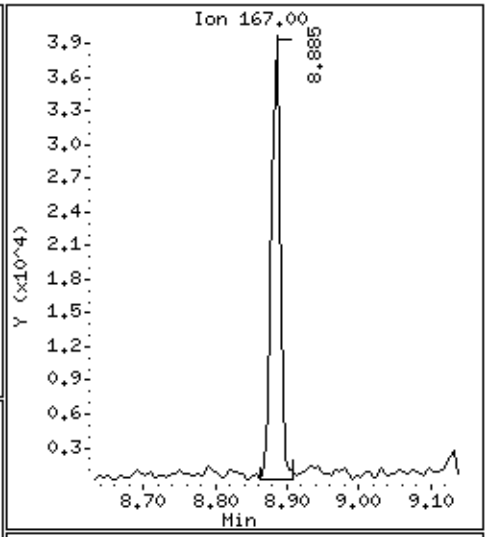
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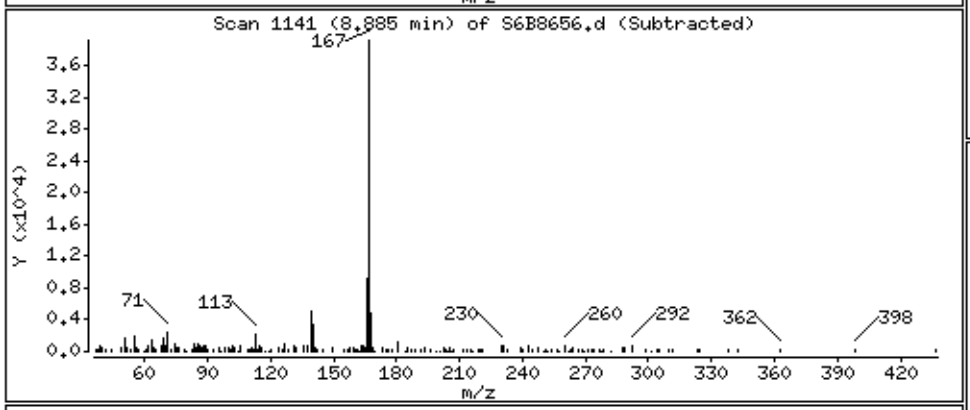
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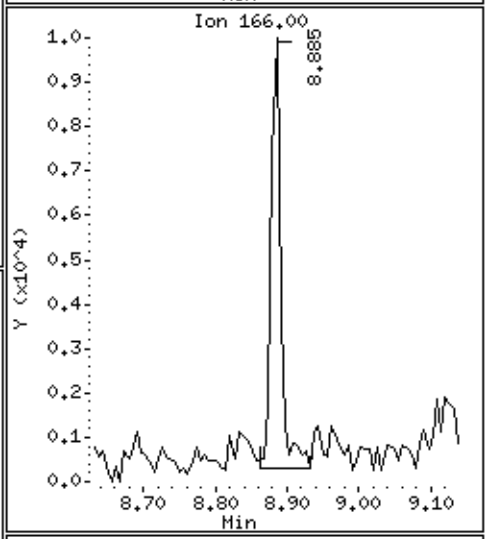
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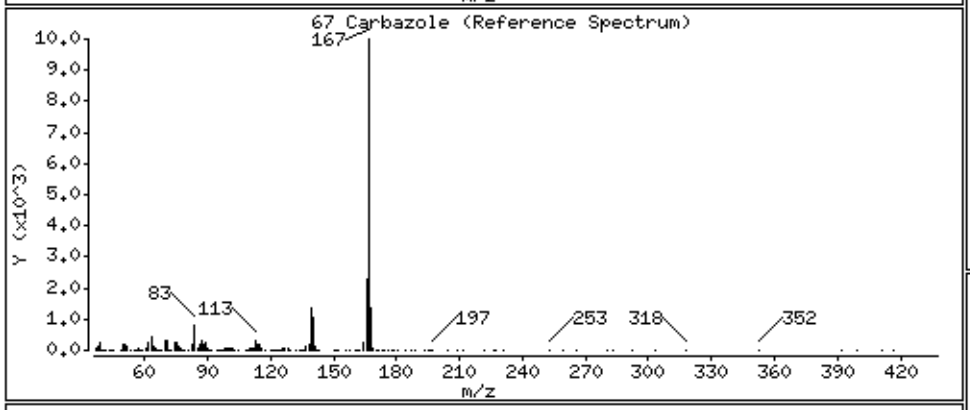
67 Carbazole Concentration: 71 ug/Kg

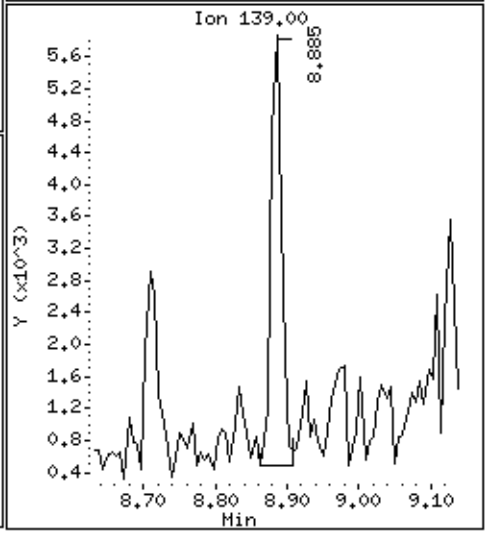


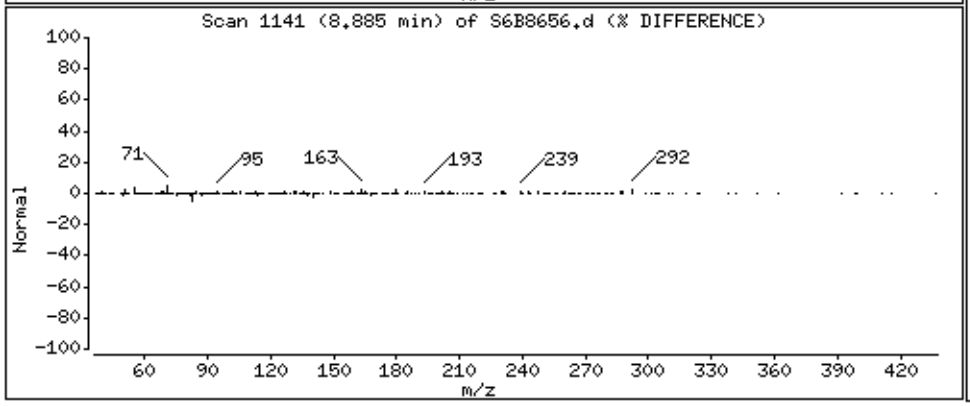












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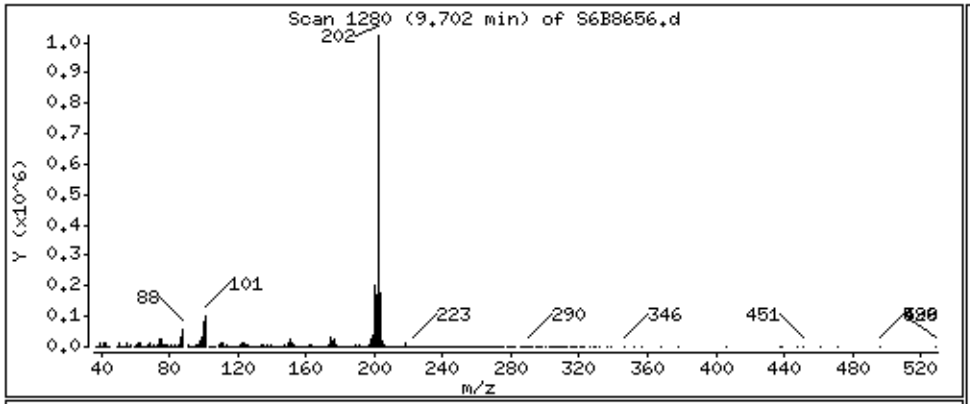
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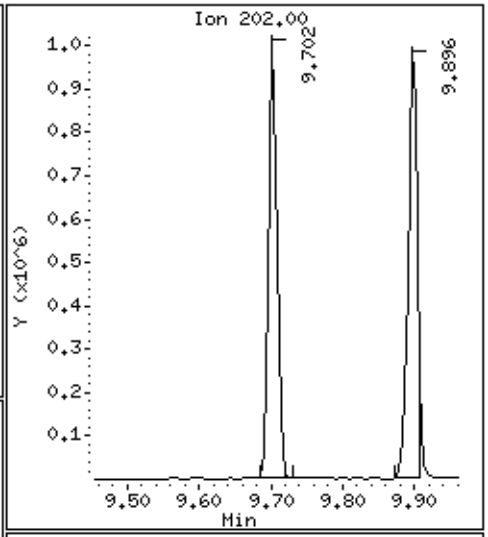
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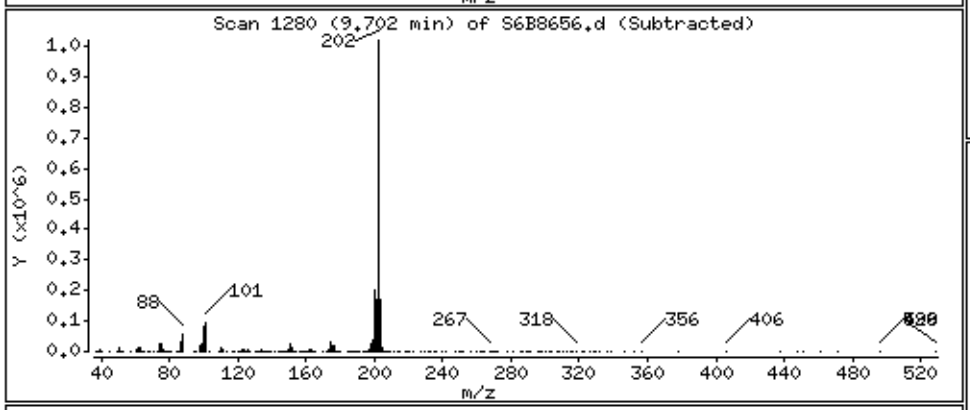
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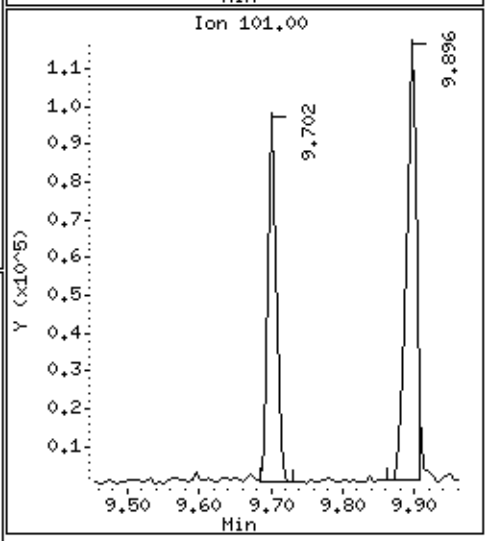
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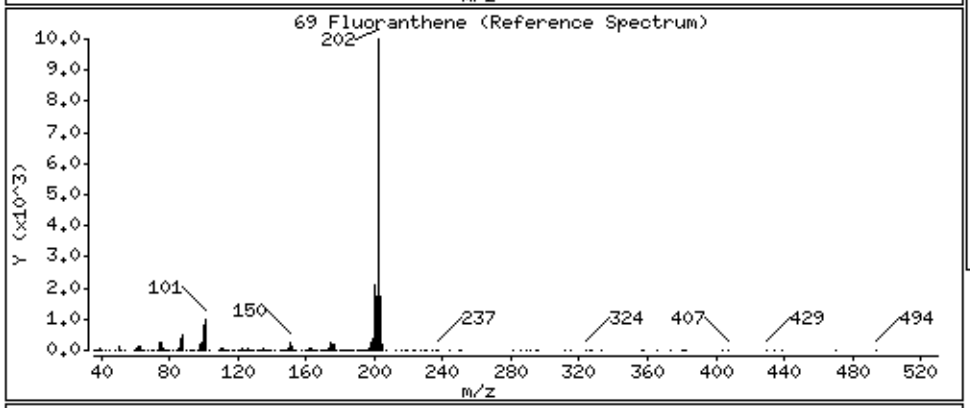
69 Fluoranthene Concentration: 1500 ug/Kg

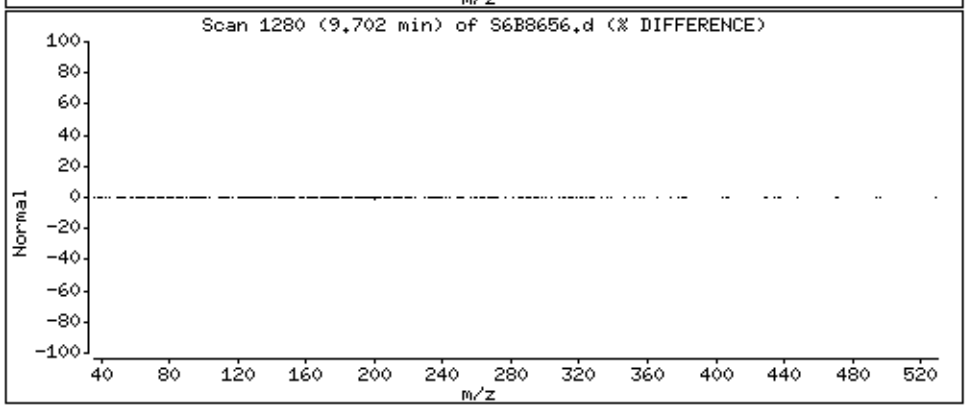












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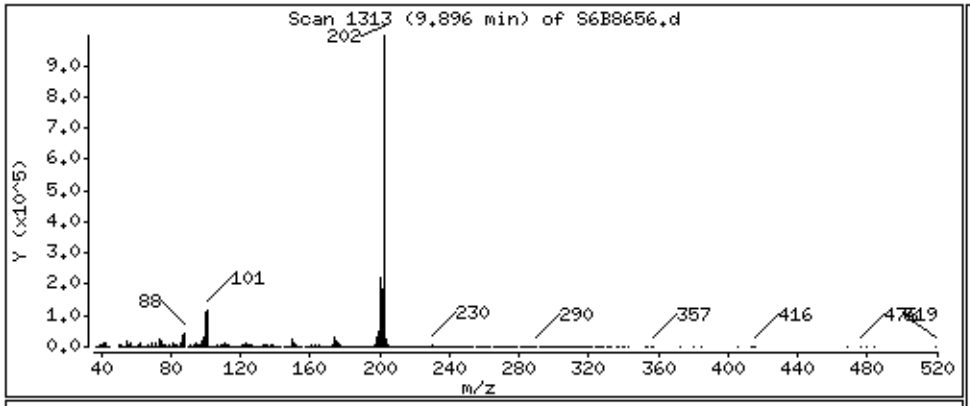
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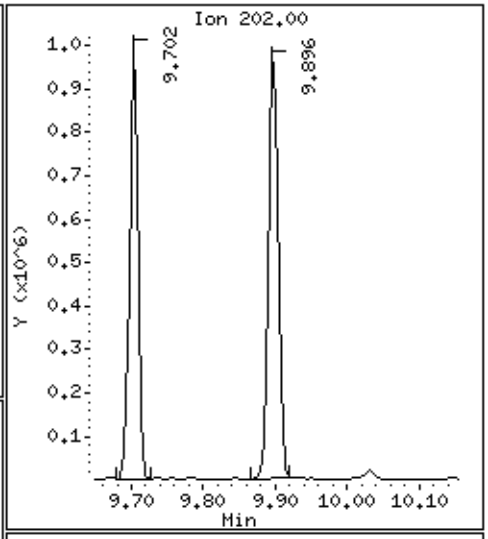
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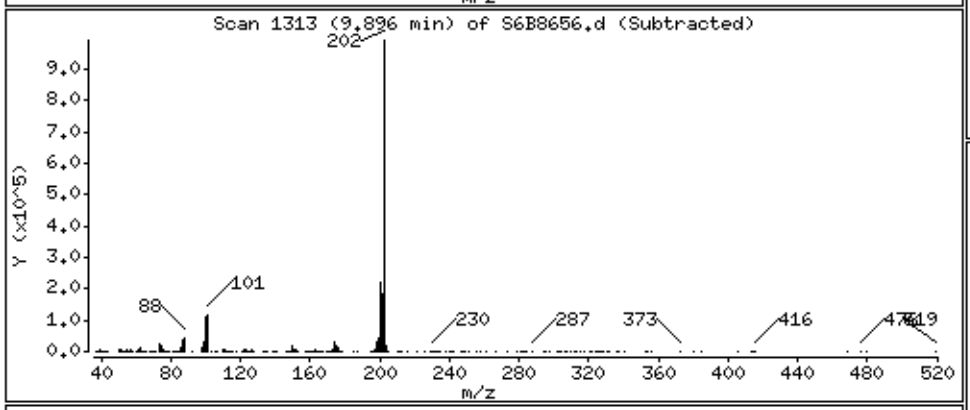
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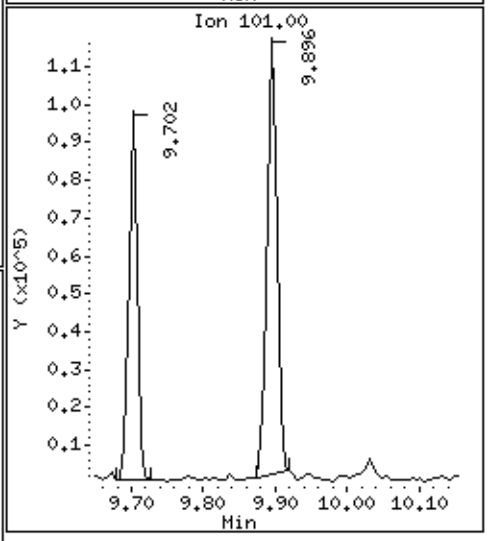
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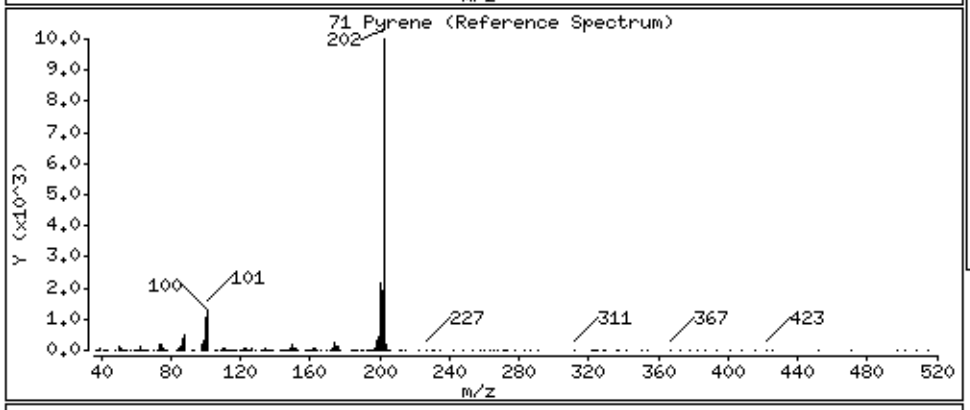
71 Pyrene Concentration: 1700 ug/Kg

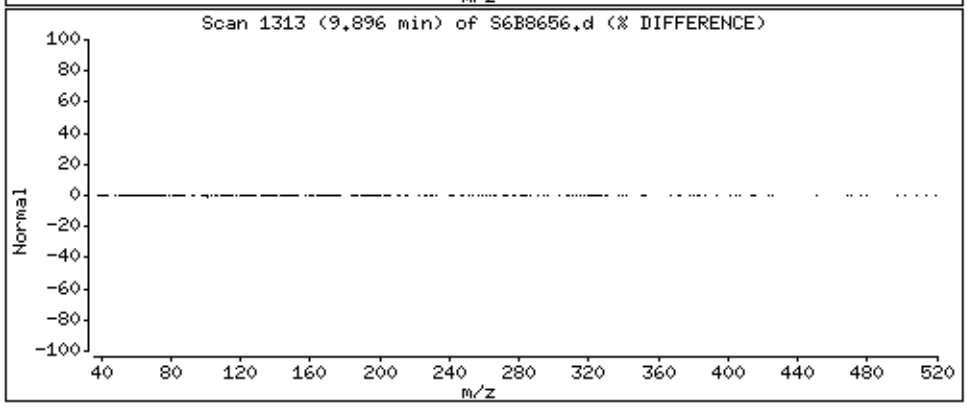












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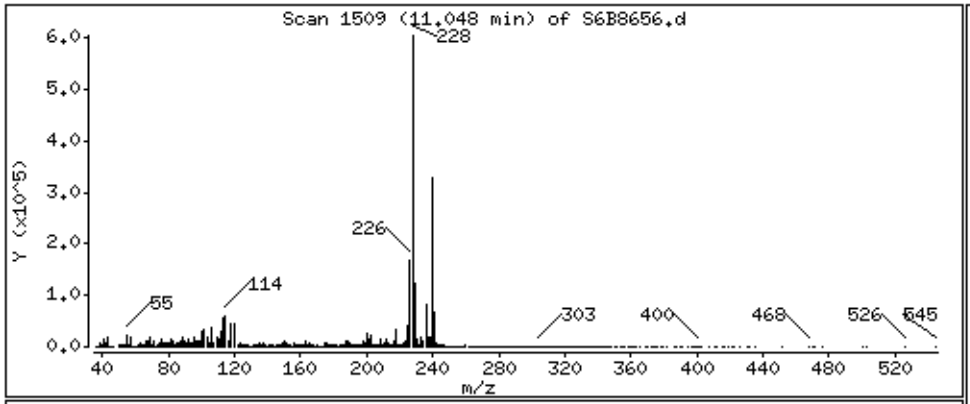
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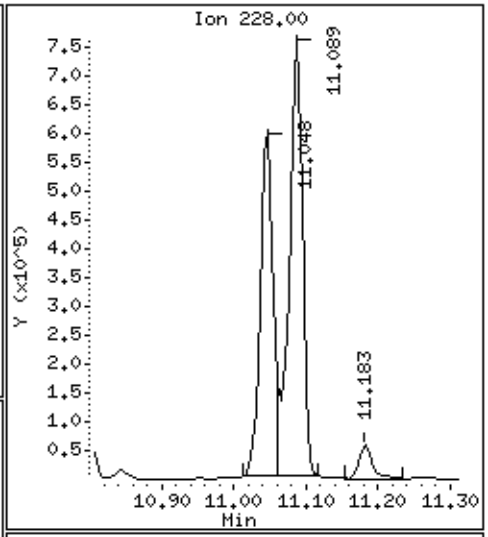
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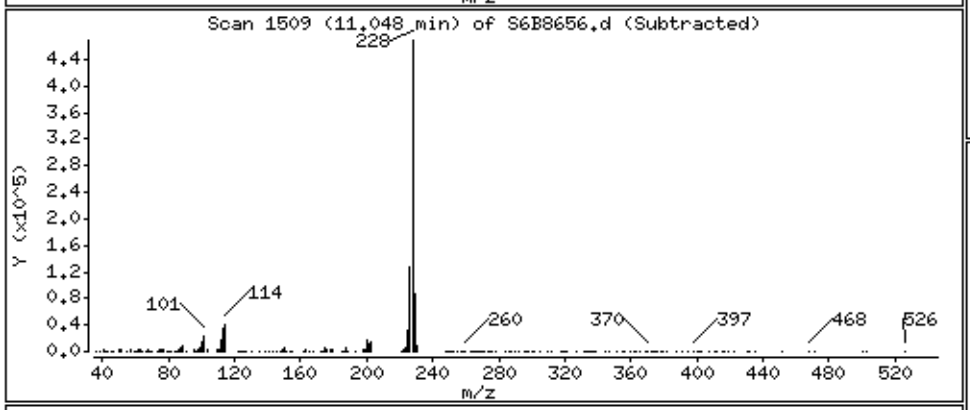
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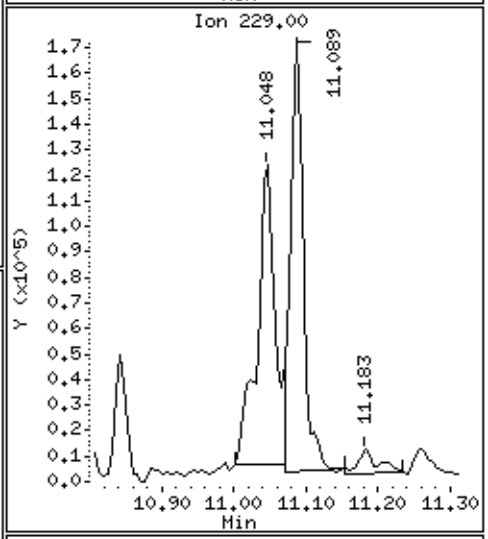
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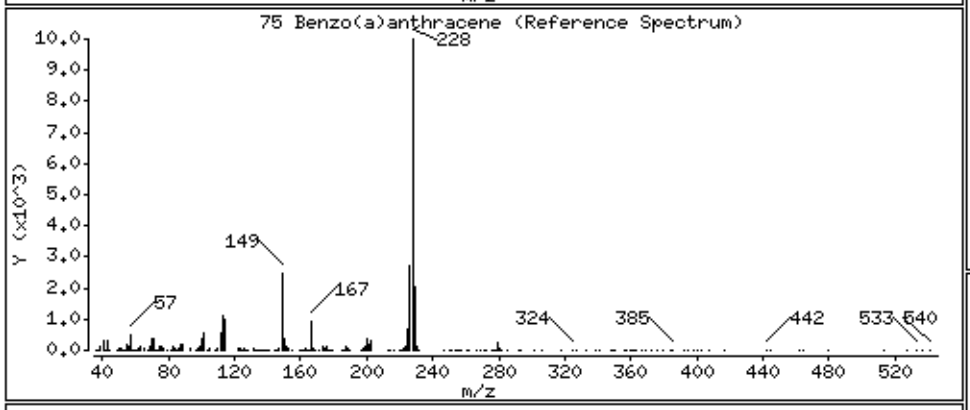
75 Benzo(a)anthracene Concentration: 1500 ug/Kg

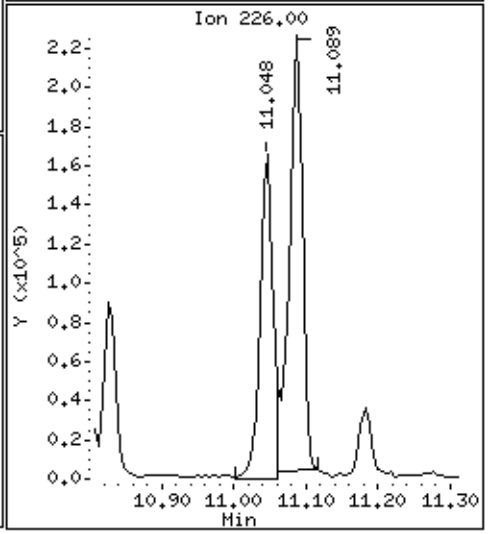


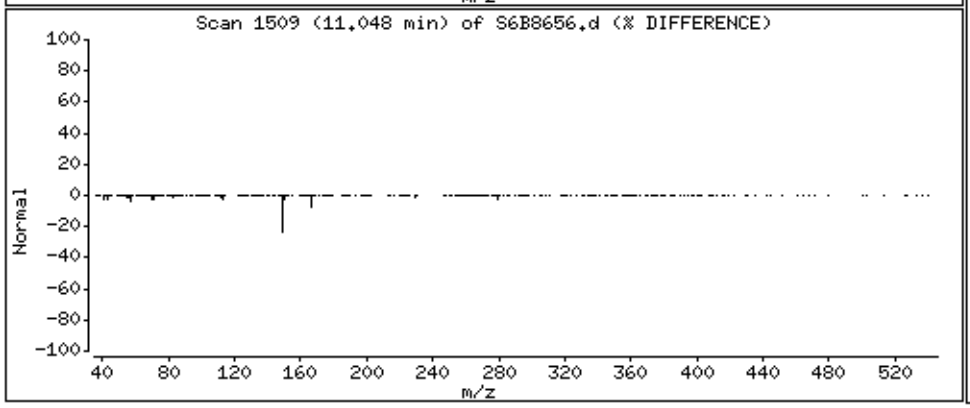












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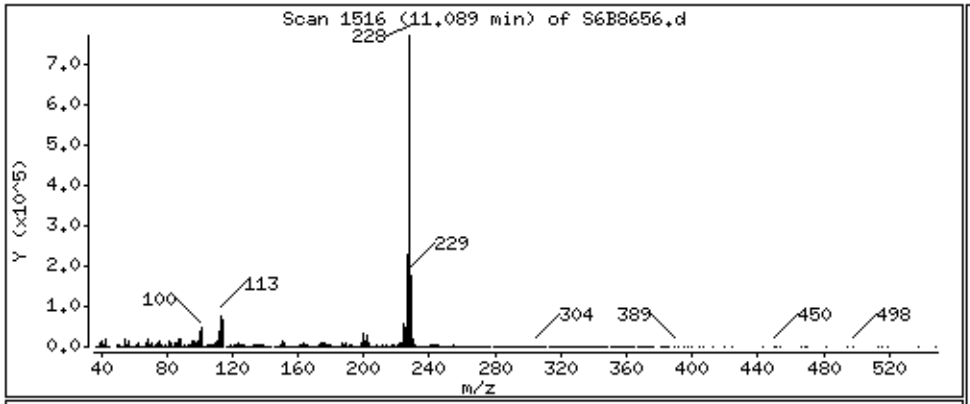
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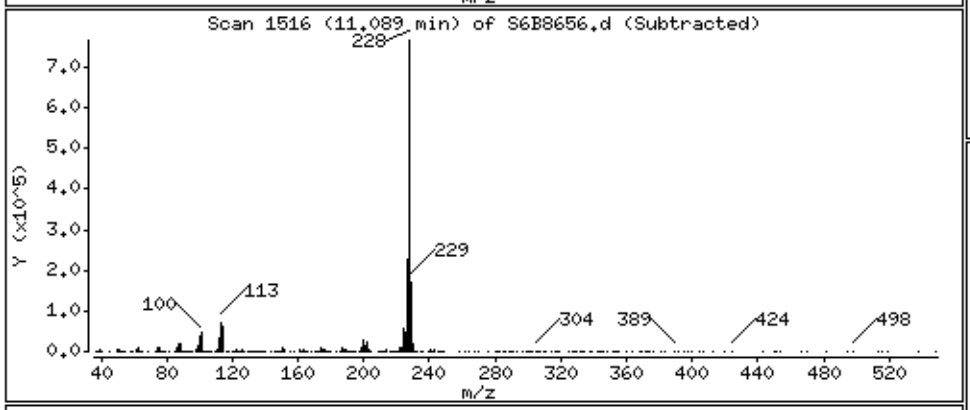
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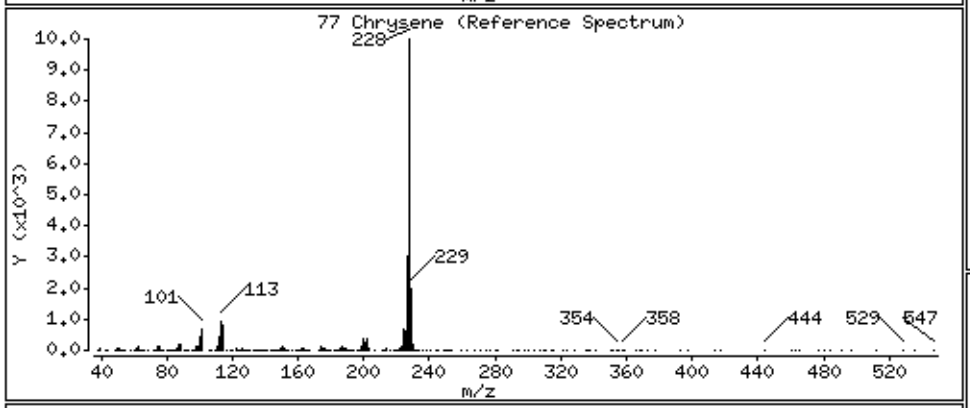
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

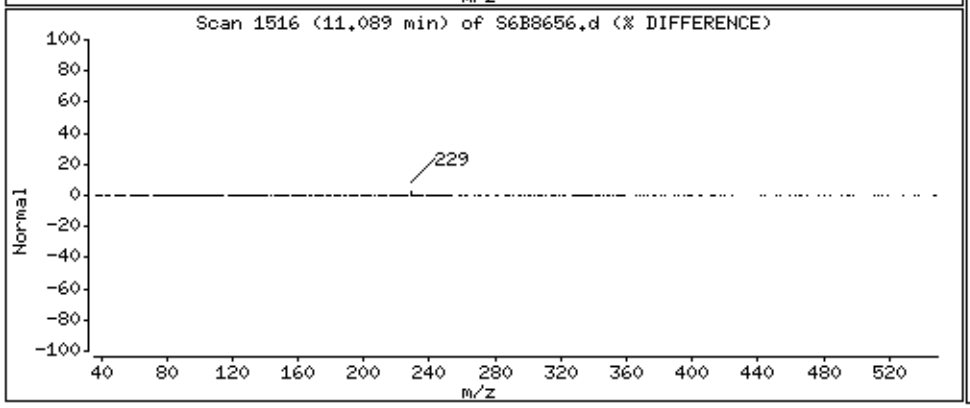
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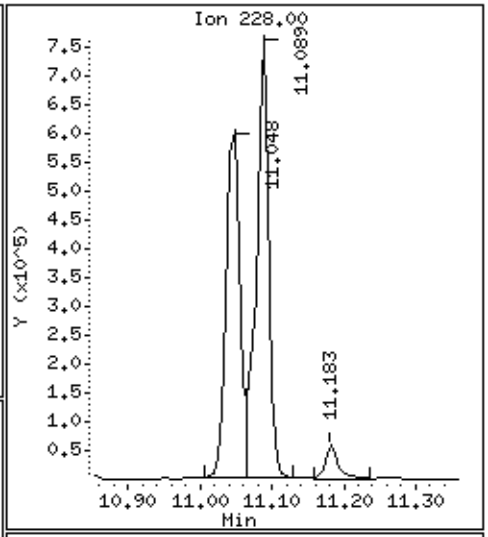
77 Chrysene Concentration: 2100 ug/Kg

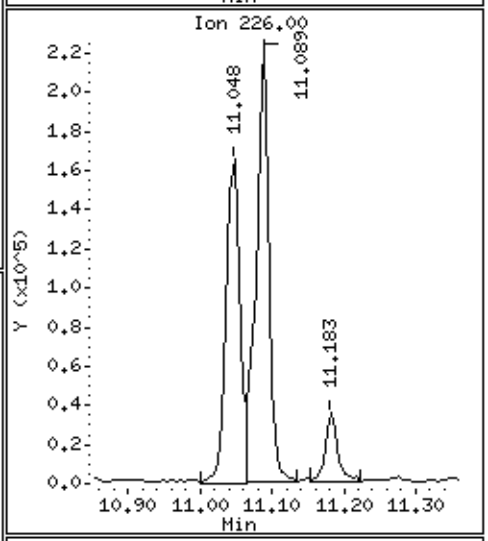


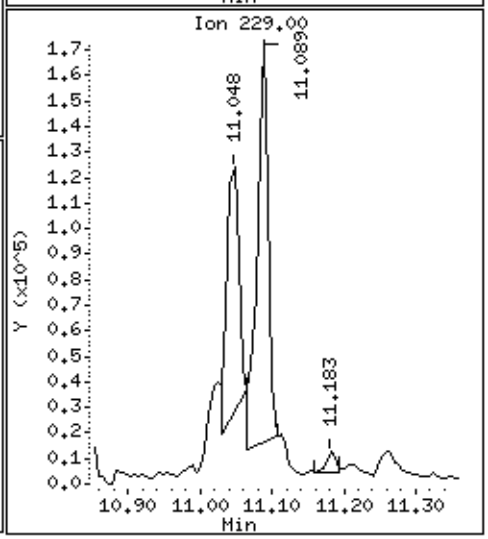












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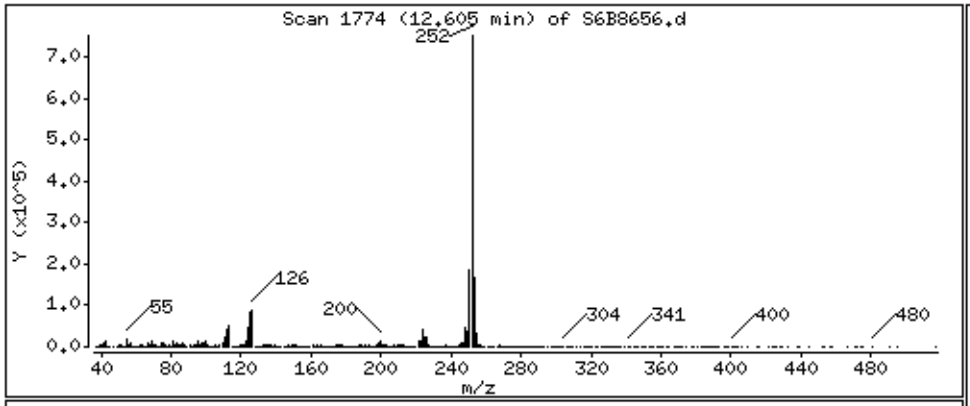
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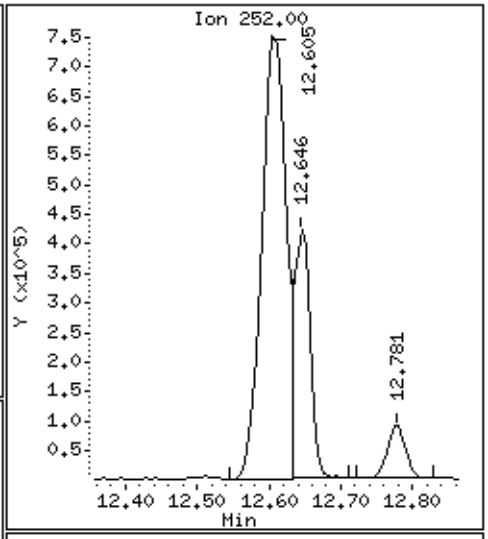
Sample Info: N1194-18A,,78076

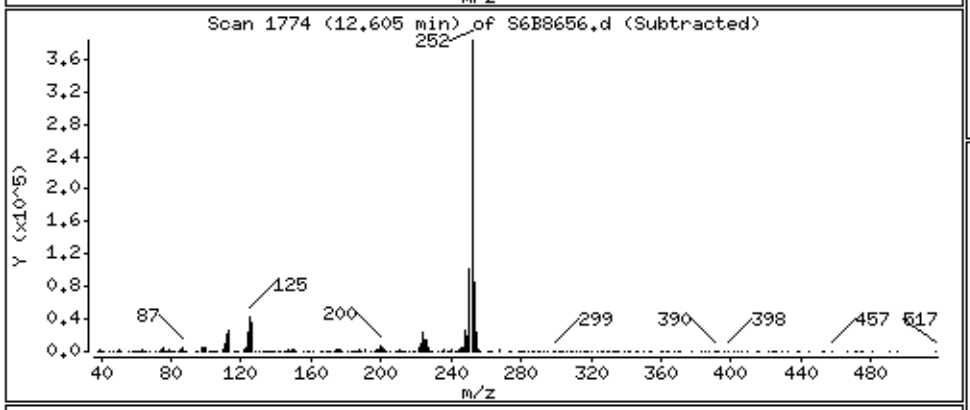
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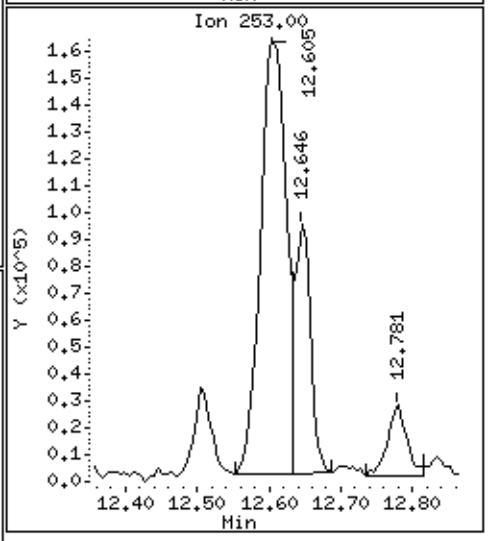
Column phase: Rxi-5Sil MS Column diameter: 0.25

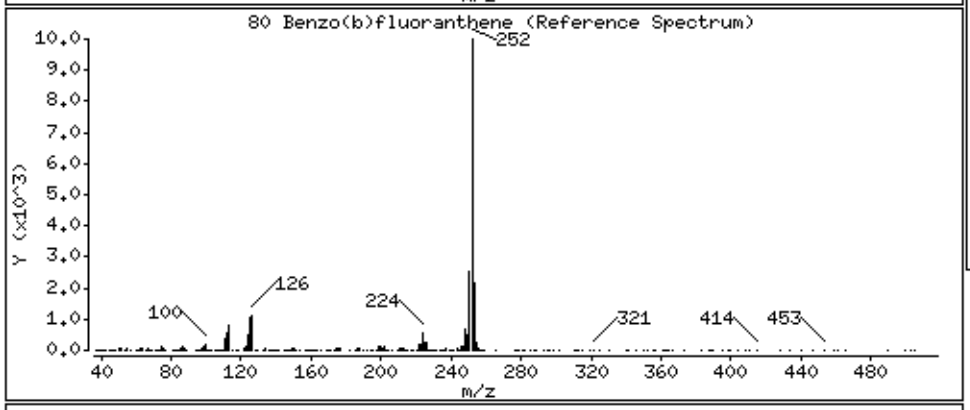
80 Benzo(b)fluoranthene Concentration: 3700 ug/Kg

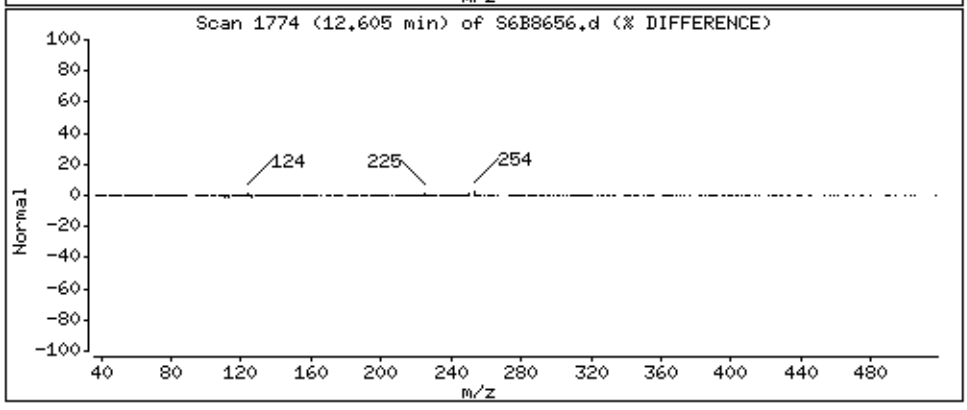












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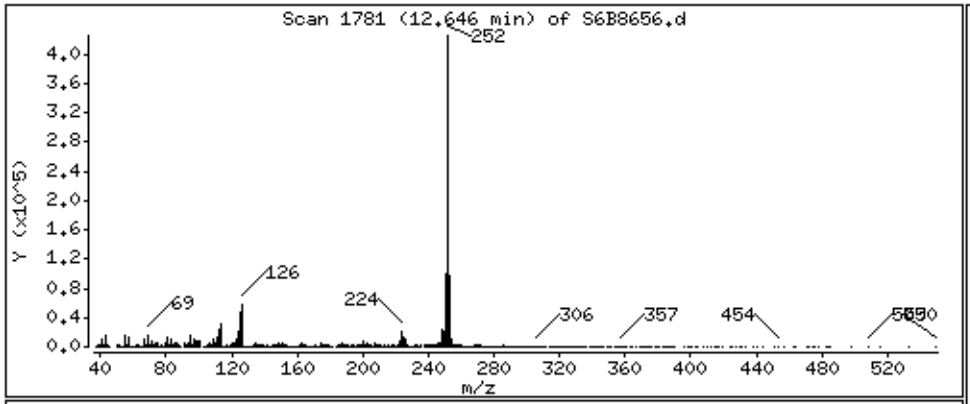
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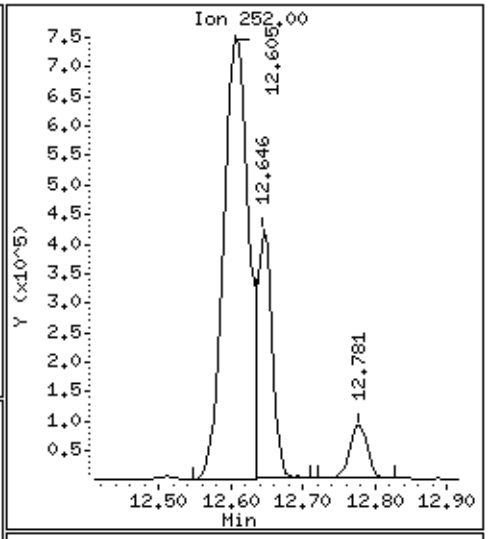
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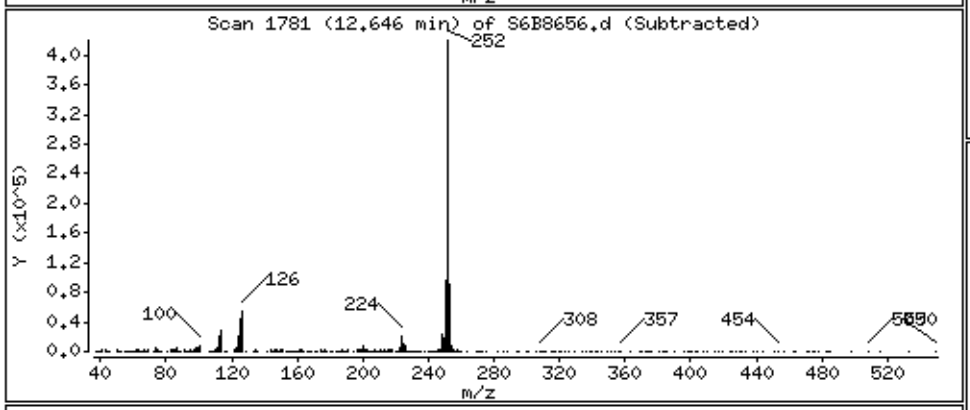
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

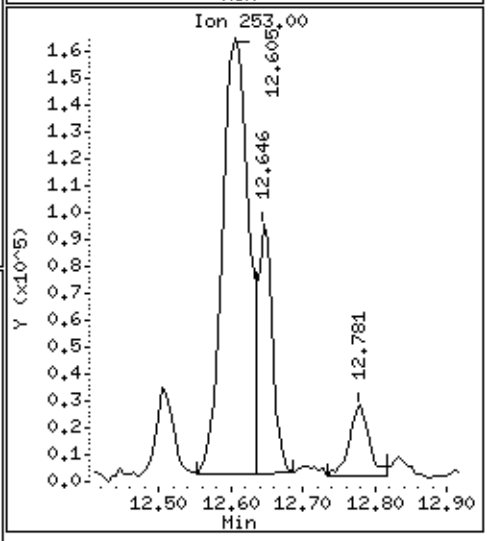
Column phase: Rxi-5Sil MS Column diameter: 0.25

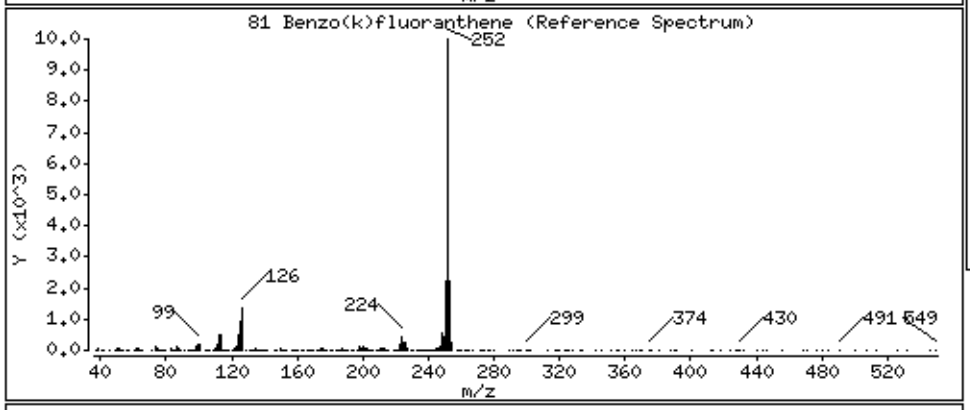
81 Benzo(k)fluoranthene Concentration: 1300 ug/Kg

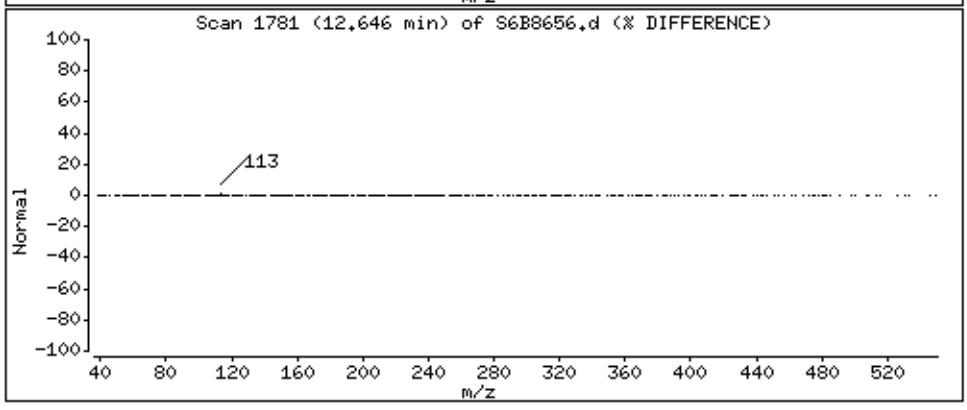












Data File: \\avogadro\organics\S6.I\140718.B\S6B8656.d

Date : 18-JUL-2014 14:20

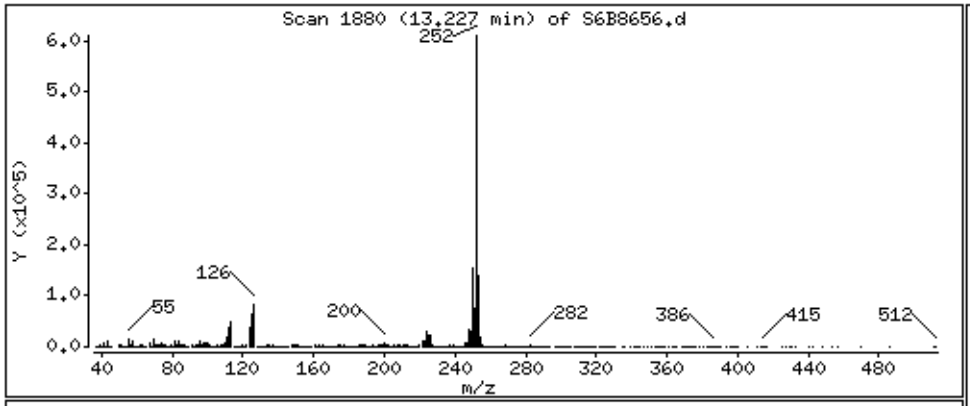
Client ID: SS-26-071014 Instrument: S6.i

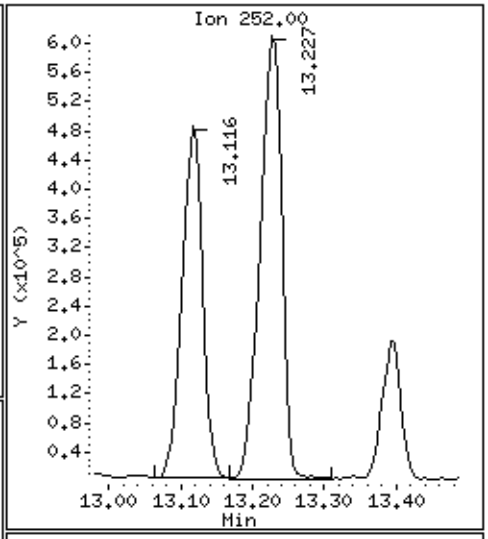
Sample Info: N1194-18A,,78076

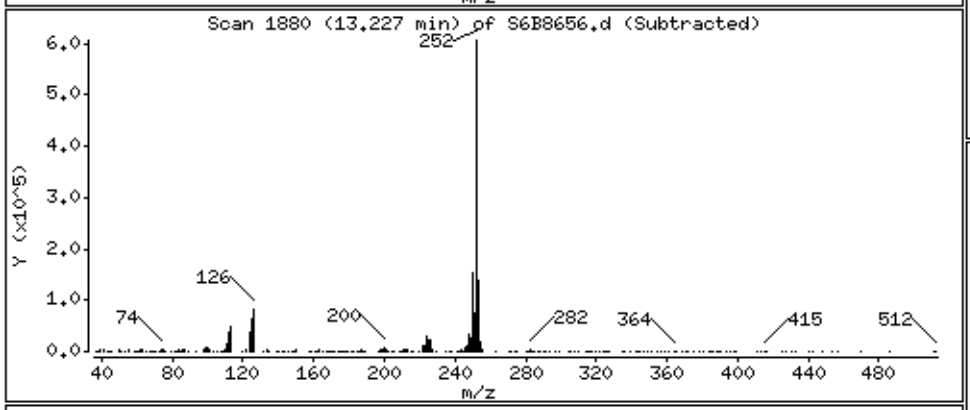
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

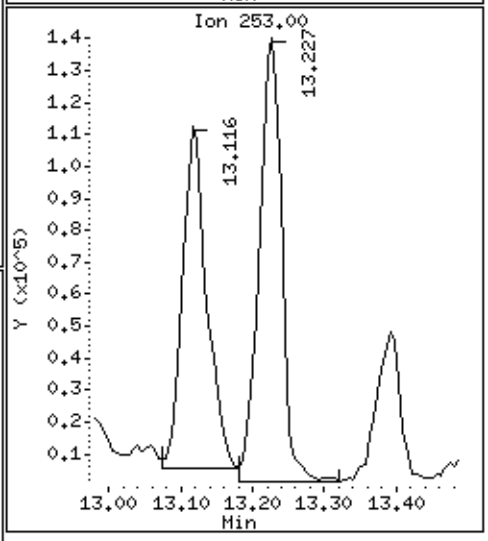
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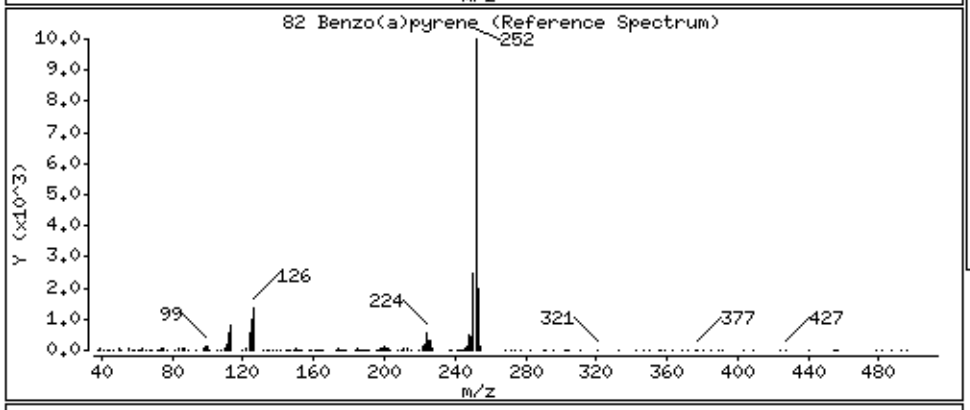
82 Benzo(a)pyrene Concentration: 2700 ug/Kg

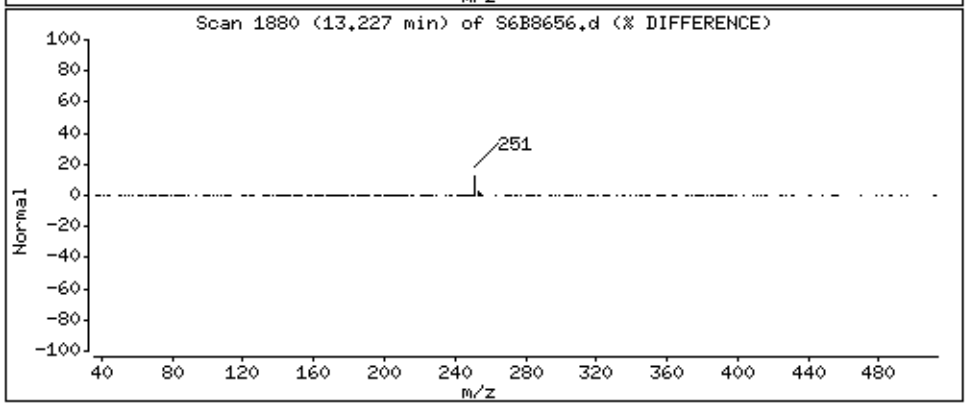












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Date : 18-JUL-2014 14:20

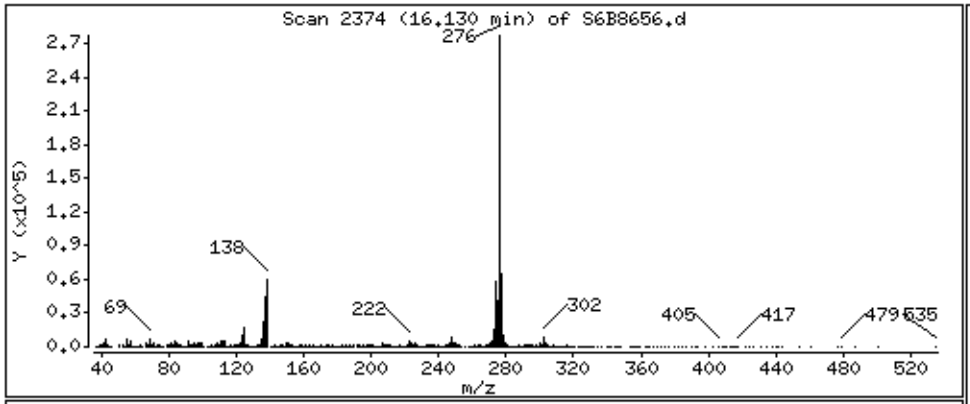
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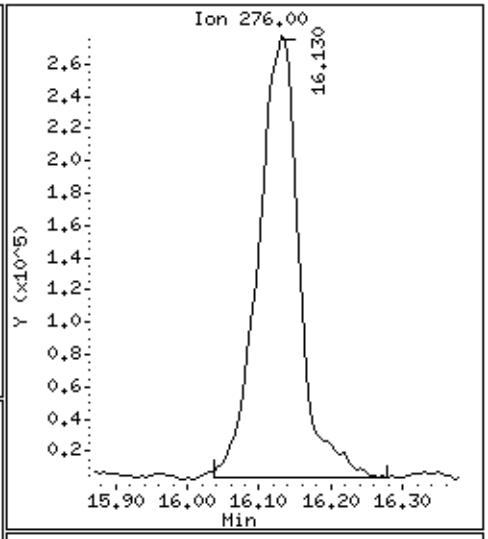
Sample Info: N1194-18A,,78076

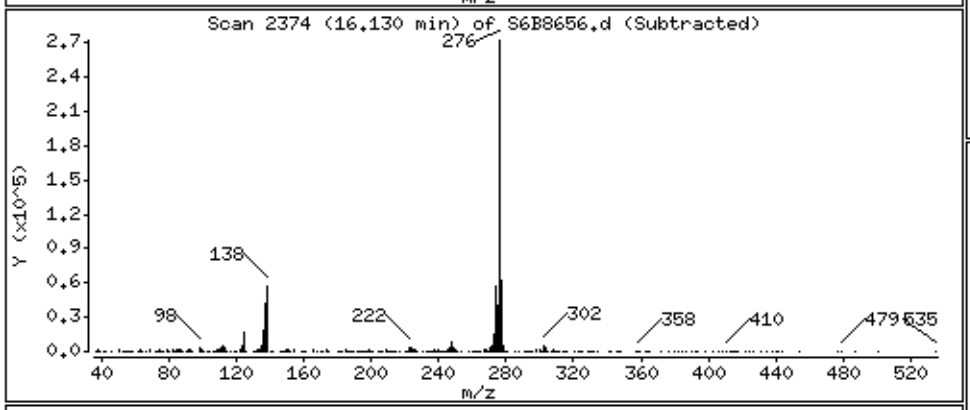
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

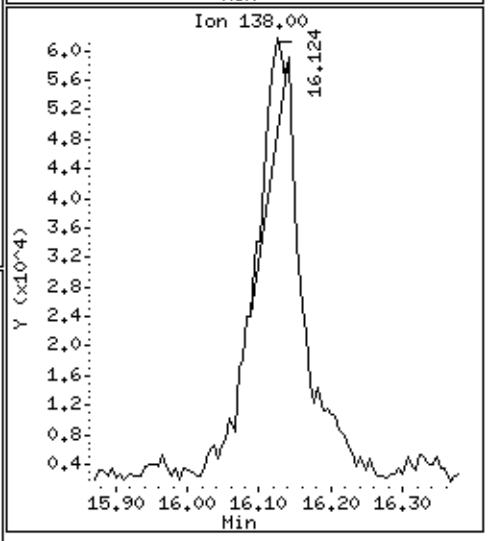
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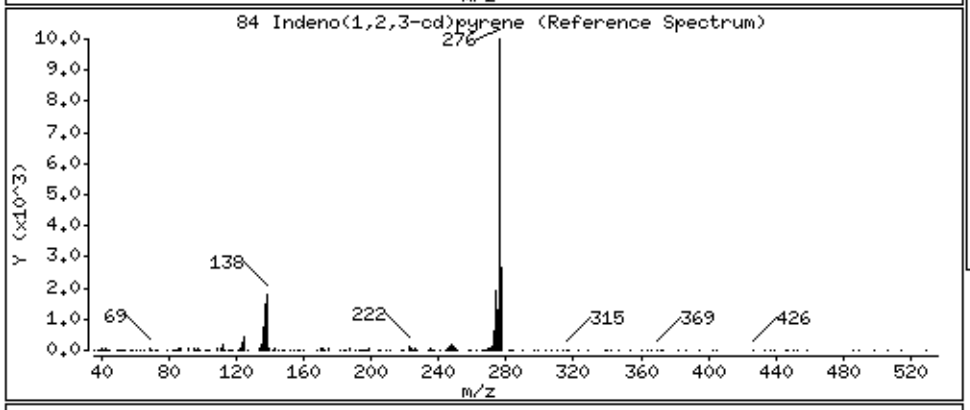
84 Indeno(1,2,3-cd)pyrene Concentration: 2600 ug/Kg

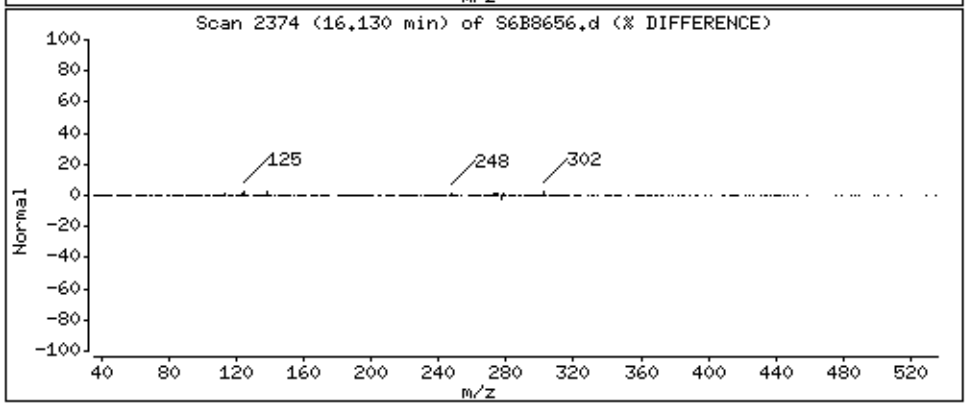












Data File: \\avogadro\organics\S6.I\140718.B\S6B8656.d

Date : 18-JUL-2014 14:20

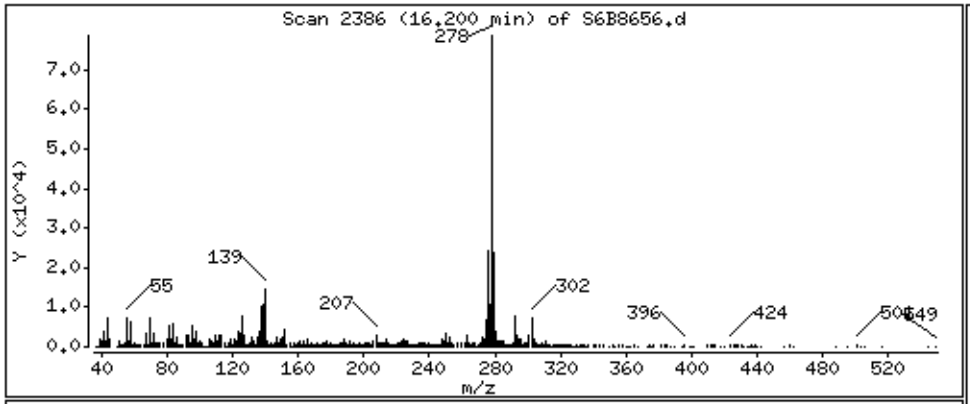
Client ID: SS-26-071014 Instrument: S6.i

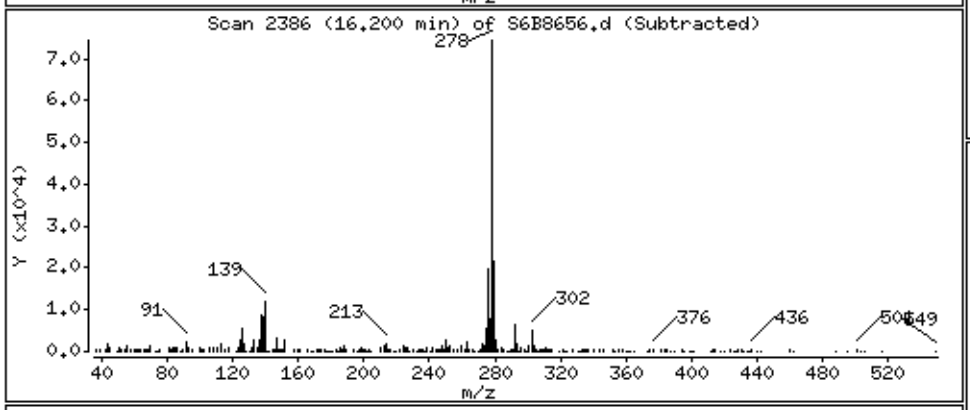
Sample Info: N1194-18A,,78076

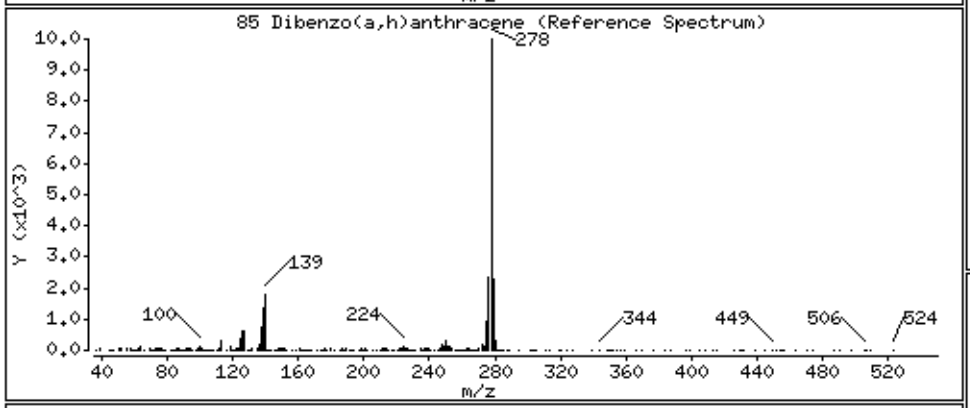
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

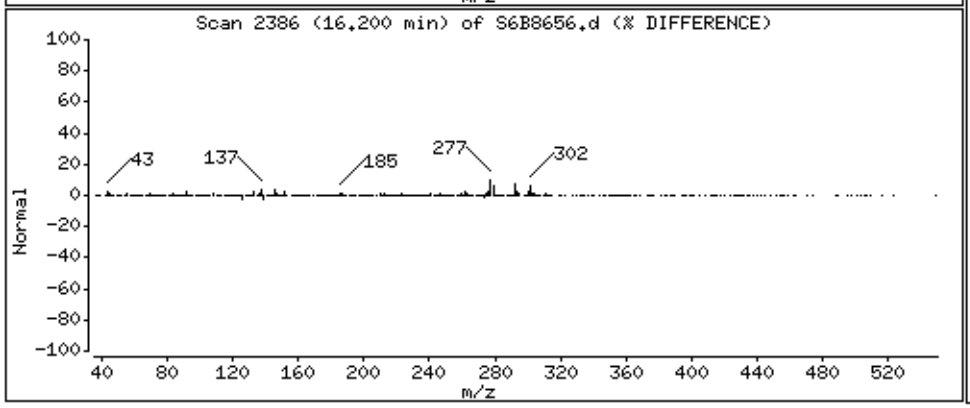
Column phase: Rxi-5Sil MS Column diameter: 0.25

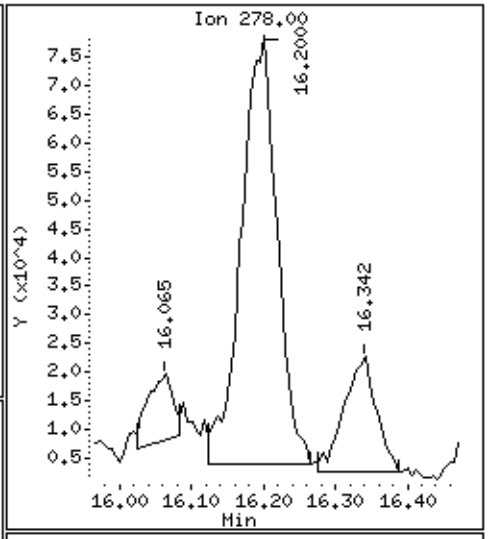
85 Dibenzo(a,h)anthracene Concentration: 640 ug/Kg

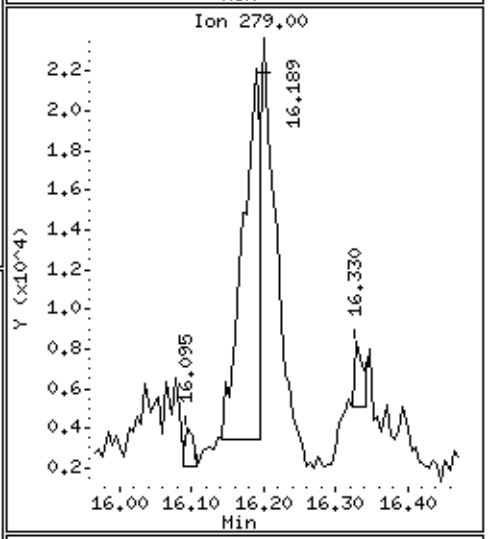


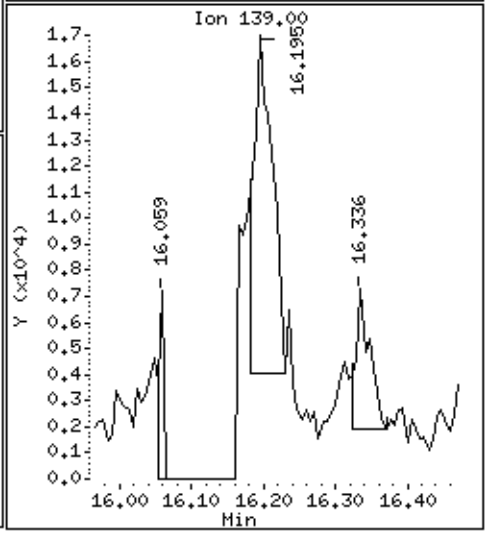












Data File: \\avogadro\organics\S6.I\140718.B\S6B8656.d

Date : 18-JUL-2014 14:20

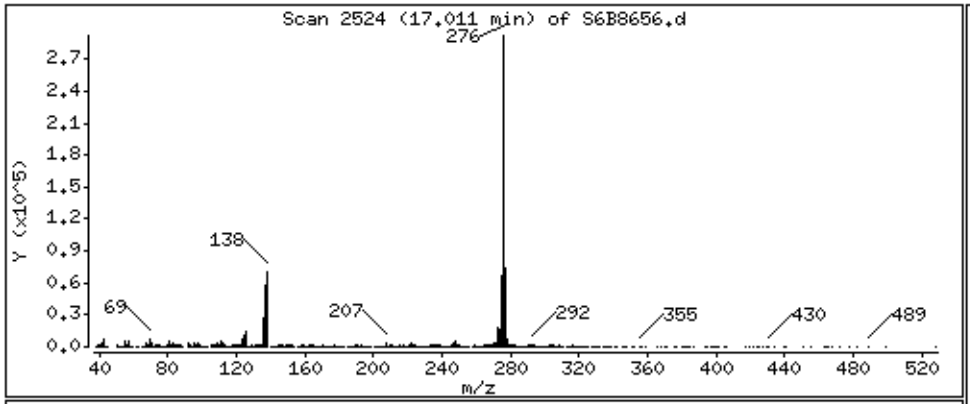
Client ID: SS-26-071014 Instrument: S6.i

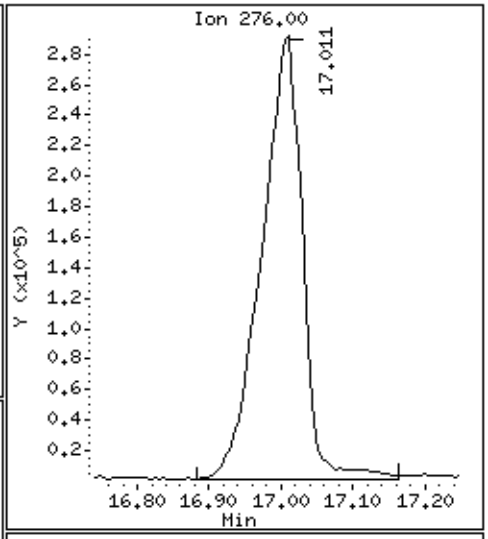
Sample Info: N1194-18A,,78076

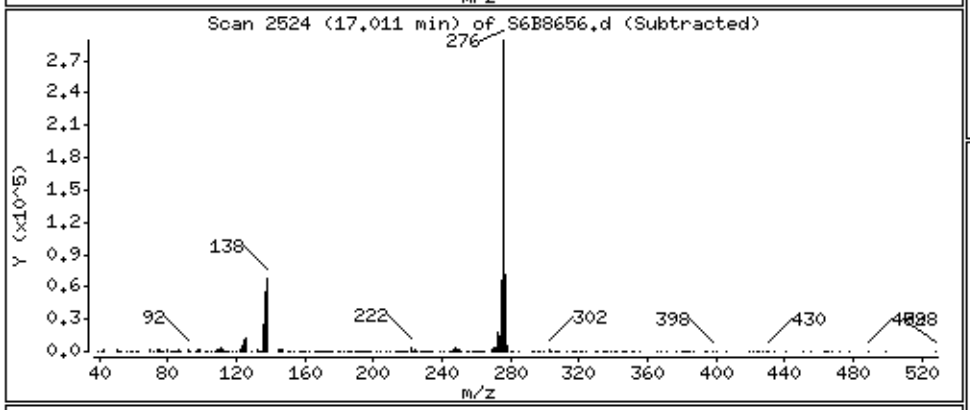
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

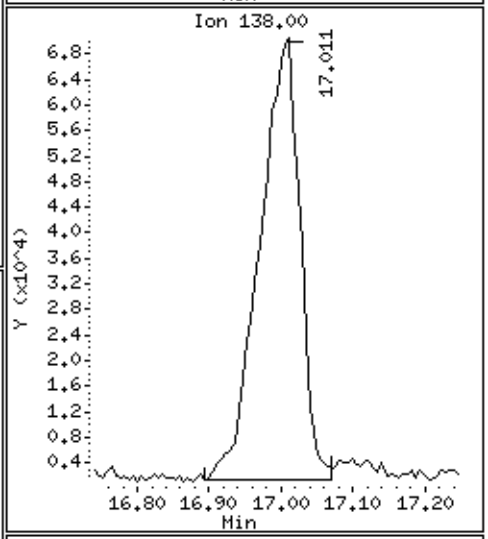
Column phase: Rxi-5Sil MS Column diameter: 0.25

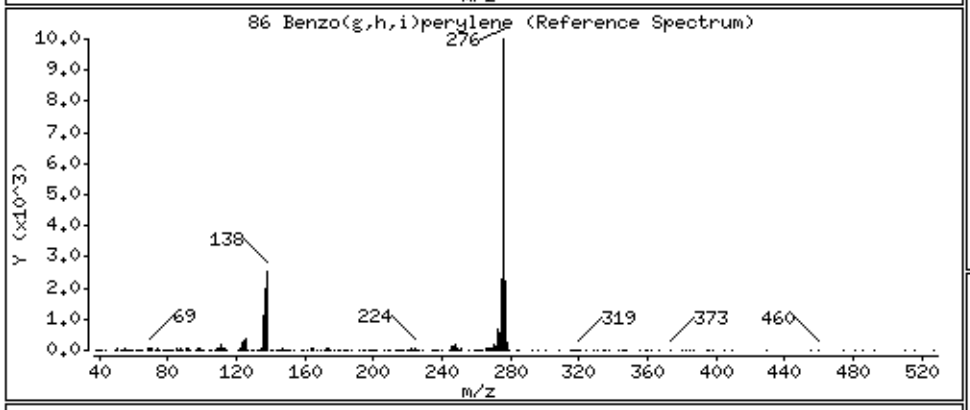
86 Benzo(g,h,i)perylene Concentration: 2700 ug/Kg

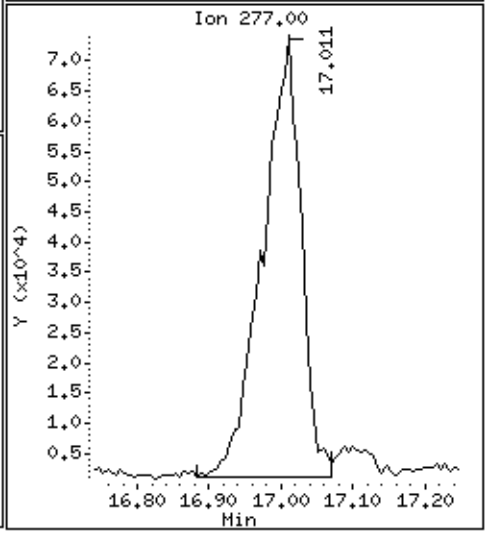


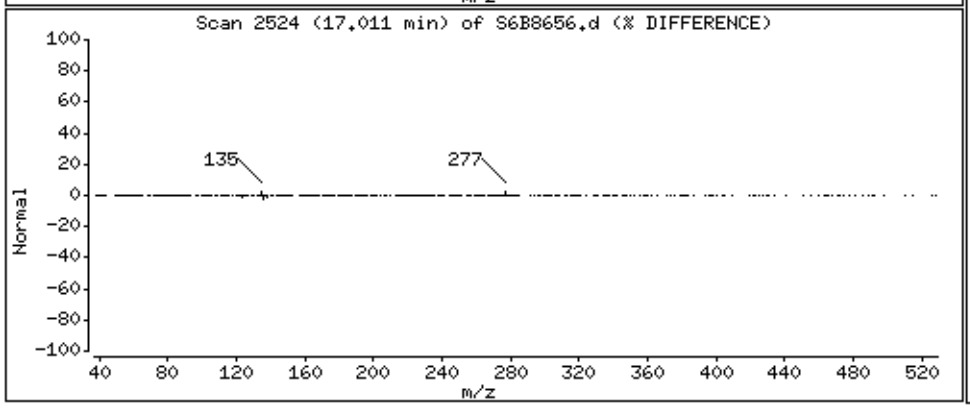












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-27-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-19A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8657.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	120	J
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	340	J
120-12-7	Anthracene	100	J
206-44-0	Fluoranthene	920	
129-00-0	Pyrene	980	
56-55-3	Benzo(a)anthracene	820	
218-01-9	Chrysene	1100	
205-99-2	Benzo(b)fluoranthene	1900	
207-08-9	Benzo(k)fluoranthene	750	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1400	
53-70-3	Dibenzo(a,h)anthracene	290	J
191-24-2	Benzo(g,h,i)perylene	1500	

Data File: \\avogadro\organics\S6.I\140718.B\S6B8657.d
Report Date: 21-Jul-2014 13:14

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140718.B\S6B8657.d
Lab Smp Id: N1194-19A Client Smp ID: SS-27-071014
Inj Date : 18-JUL-2014 14:43
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-19A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140718.B\S6_8270C_N.m
Meth Date : 21-Jul-2014 13:13 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.808	3.803	(0.773)	290726	31.1339	2100
$	5 Phenol-d5	99	4.625	4.625	(0.939)	364034	30.5371	2000
*	12 1,4-Dichlorobenzene-d4	152	4.925	4.925	(1.000)	281913	40.0000	
$	22 Nitrobenzene-d5	82	5.395	5.395	(0.899)	355626	35.5409	2400
*	31 Naphthalene-d8	136	6.000	6.000	(1.000)	970801	40.0000	
$	41 2-Fluorobiphenyl	172	6.893	6.893	(0.924)	754174	35.1702	2300
*	48 Acenaphthene-d10	164	7.463	7.463	(1.000)	612756	40.0000	
	49 Acenaphthene	153	7.486	7.492	(1.003)	28058	1.50577	100(a)
$	60 2,4,6-Tribromophenol	330	8.115	8.115	(0.934)	93900	33.9128	2300
*	64 Phenanthrene-d10	188	8.691	8.697	(1.000)	1202713	40.0000	
	65 Phenanthrene	178	8.714	8.715	(1.003)	135552	4.17383	280(a)
	66 Anthracene	178	8.756	8.756	(1.007)	42757	1.29215	86(a)
	69 Fluoranthene	202	9.702	9.708	(1.116)	420440	11.3117	750
	71 Pyrene	202	9.895	9.901	(0.895)	421250	12.1250	810
$	72 Terphenyl-d14	244	10.013	10.019	(0.905)	842126	37.3196	2500
	75 Benzo(a)anthracene	228	11.041	11.059	(0.998)	325069	10.0930	670
*	76 Chrysene-d12	240	11.059	11.077	(1.000)	1128024	40.0000	
	77 Chrysene	228	11.088	11.106	(1.003)	388623	13.1470	880
	80 Benzo(b)fluoranthene	252	12.592	12.610	(0.944)	715960	22.8185	1500

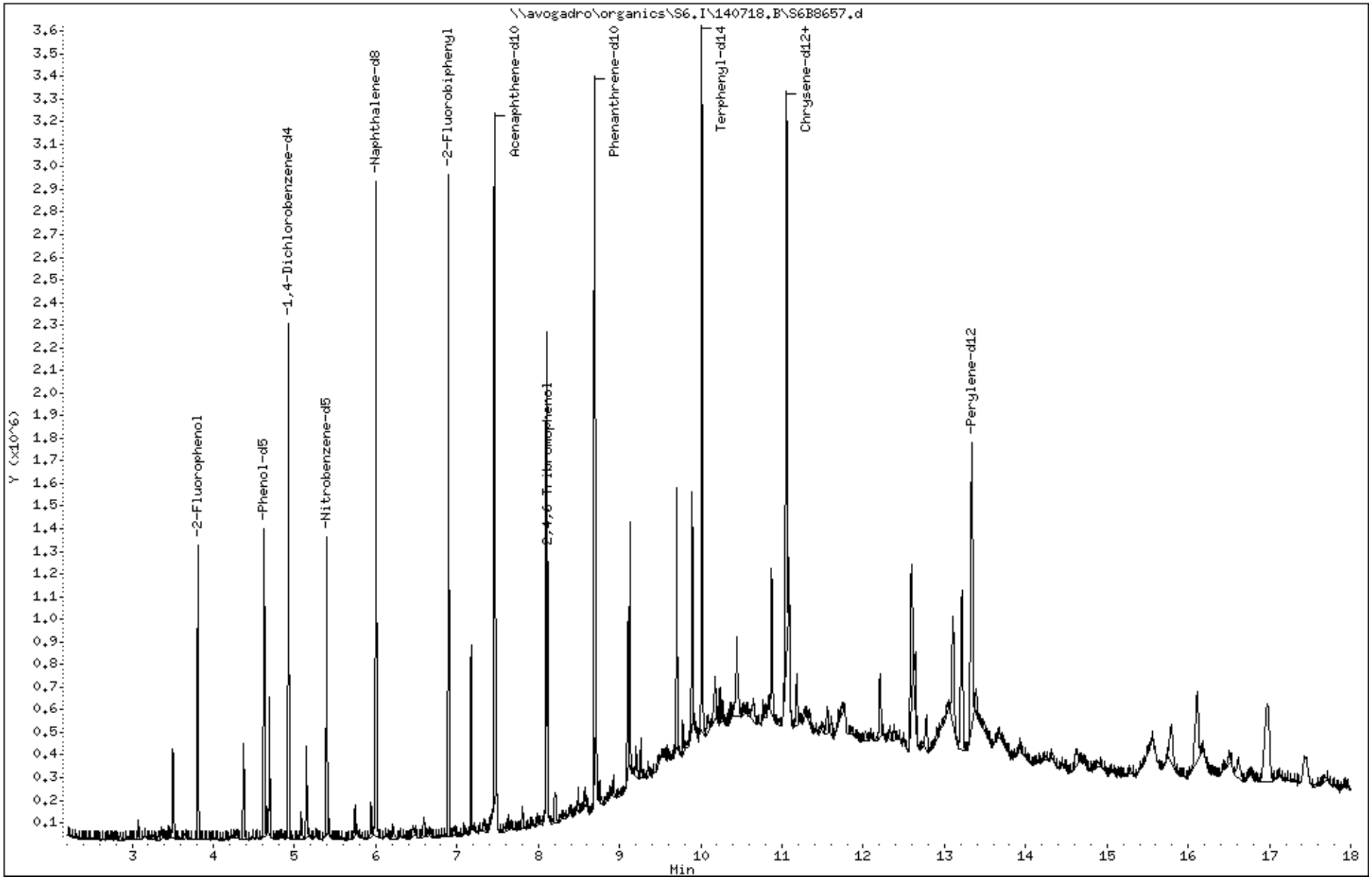
Data File: \\avogadro\organics\S6.I\140718.B\S6B8657.d
Report Date: 21-Jul-2014 13:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)	
	81 Benzo(k)fluoranthene	252	12.639	12.663	(0.948)	292986	9.19671	610(a)	
	82 Benzo(a)pyrene	252	13.215	13.233	(0.991)	548746	18.3310	1200	
*	83 Perylene-d12	264	13.339	13.356	(1.000)	1067218	40.0000		
	84 Indeno(1,2,3-cd)pyrene	276	16.112	16.124	(1.208)	461003	17.6495	1200	
	85 Dibenzo(a,h)anthracene	278	16.182	16.218	(1.213)	89995	3.54131	240(aM)M6 TM 07/21	
	86 Benzo(g,h,i)perylene	276	16.976	16.993	(1.273)	496151	18.3938	1200	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\avogadro\organics\S6.I\140718.B\S6B8657.d
Date : 18-JUL-2014 14:43
Client ID: SS-27-071014
Instrument: S6.i
Sample Info: N1194-19A,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140718.B\S6B8657.d

Date : 18-JUL-2014 14:43

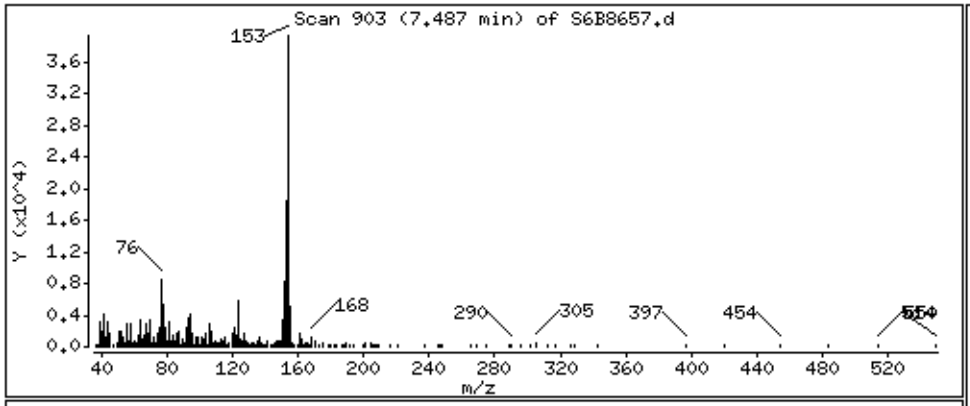
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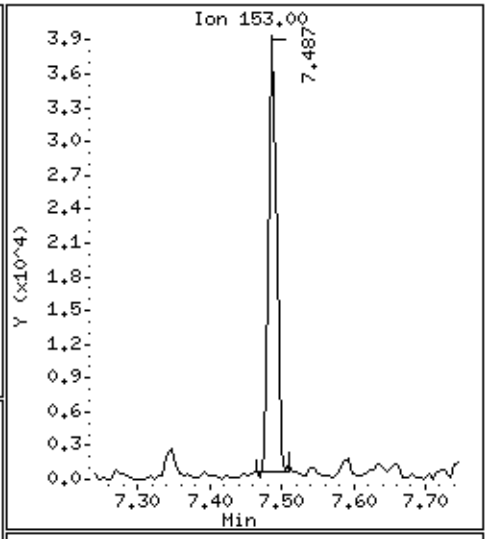
Sample Info: N1194-19A,,78076

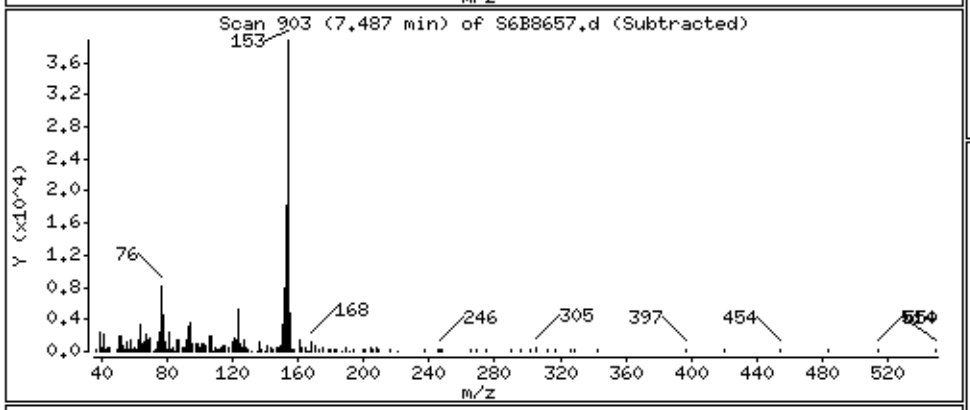
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

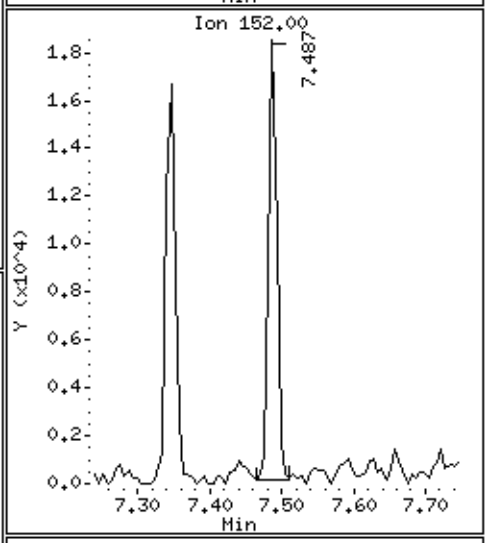
Column phase: Rxi-5Sil MS Column diameter: 0.25

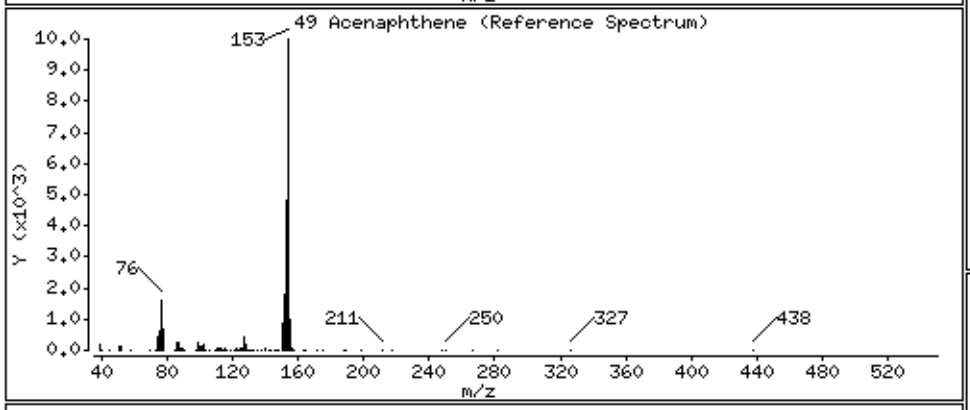
49 Acenaphthene Concentration: 100 ug/Kg

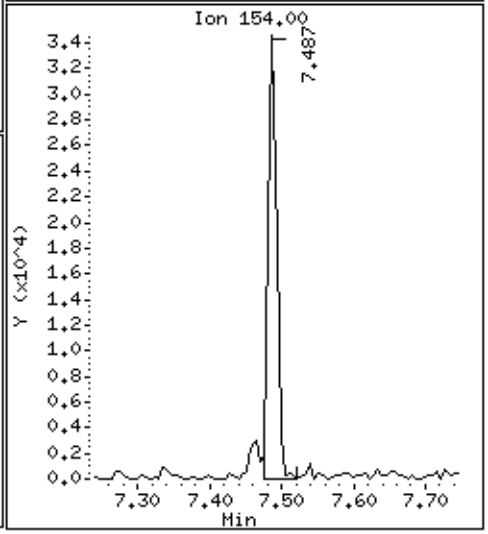


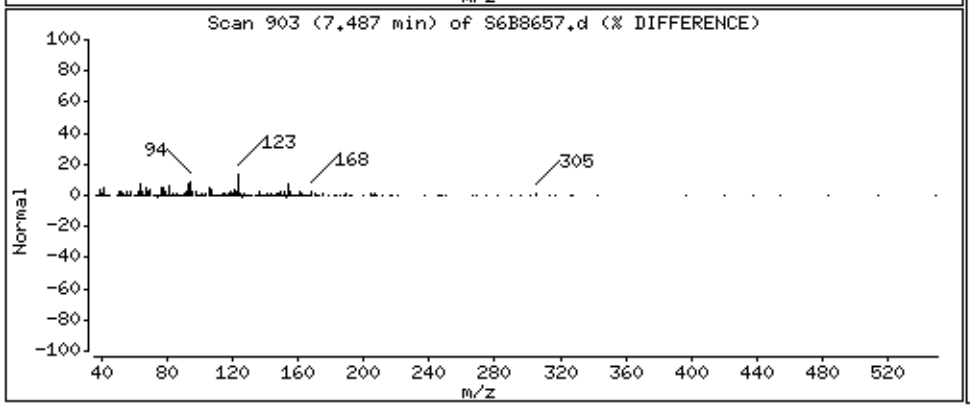












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Date : 18-JUL-2014 14:43

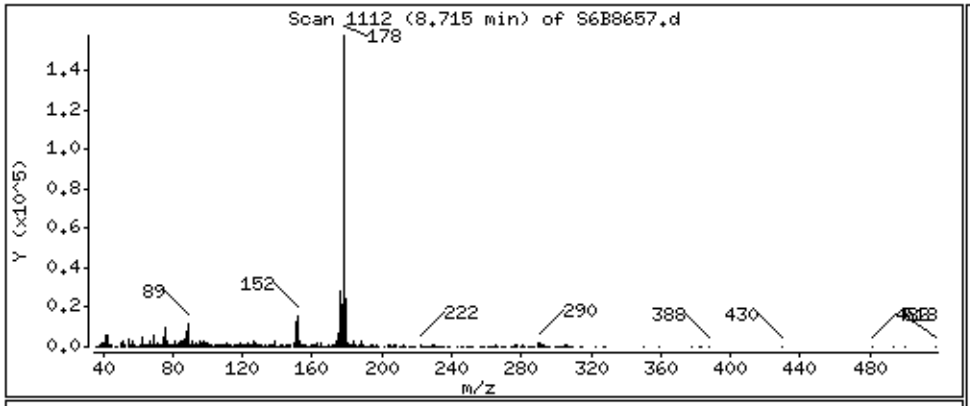
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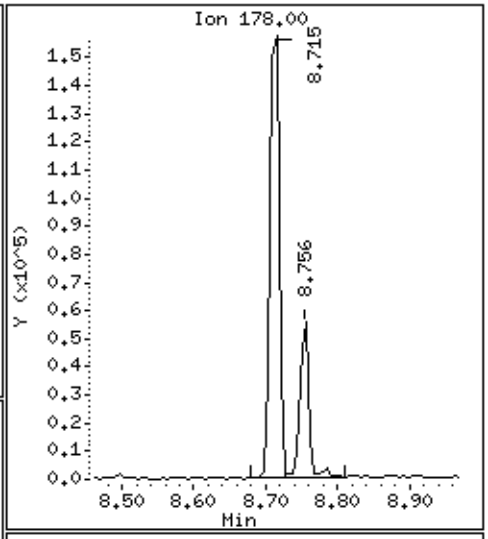
Sample Info: N1194-19A,,78076

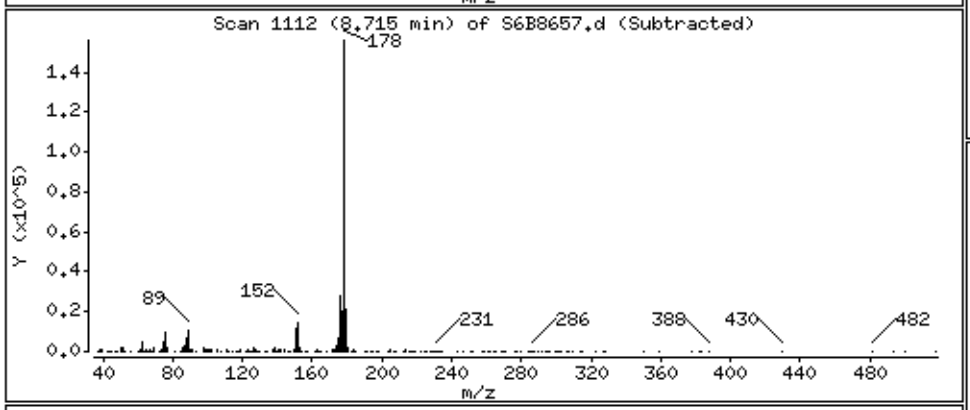
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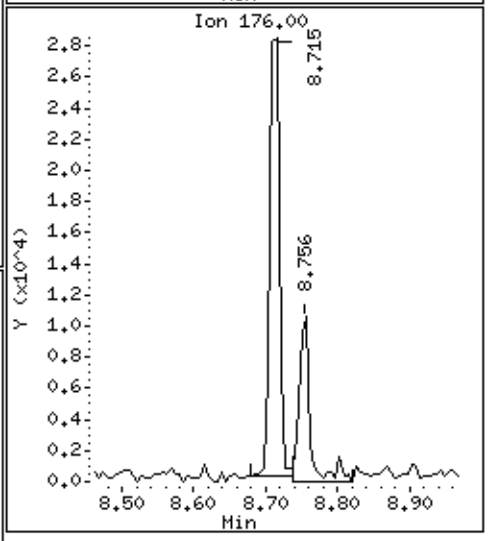
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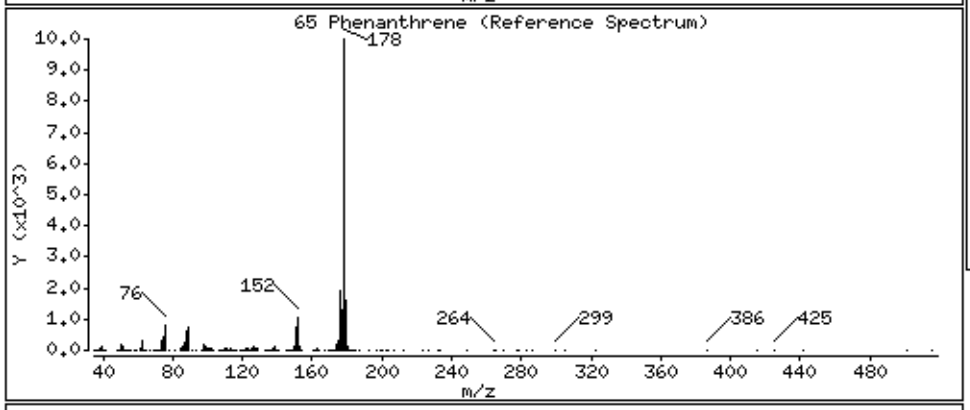
65 Phenanthrene Concentration: 280 ug/Kg

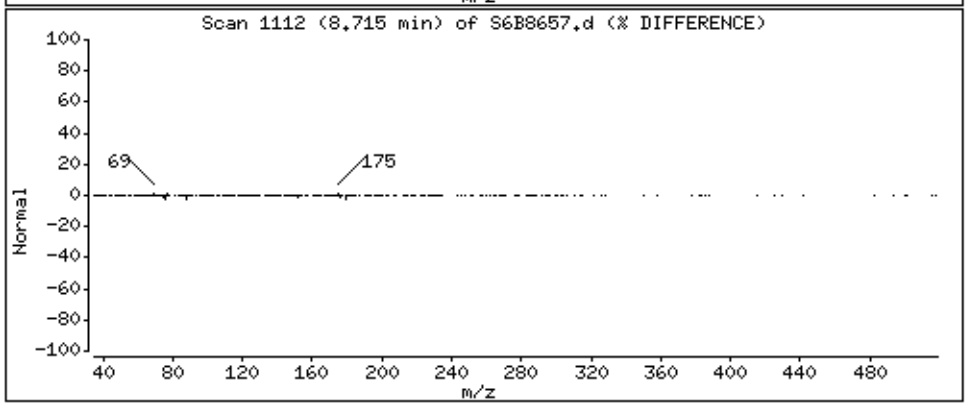












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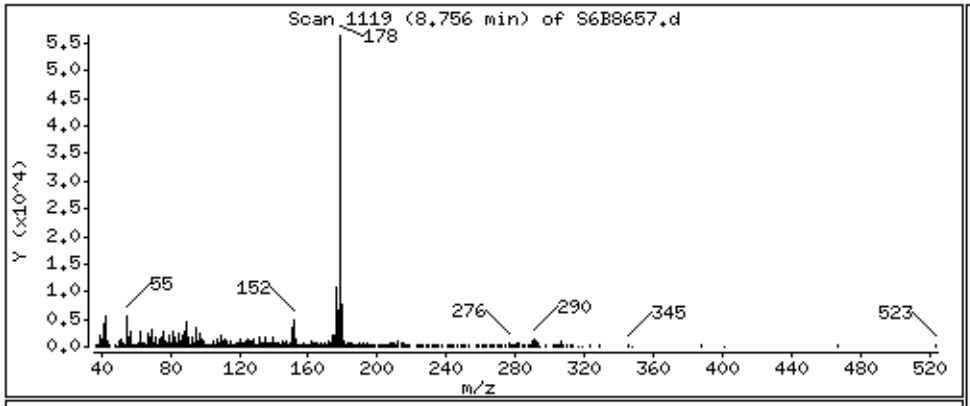
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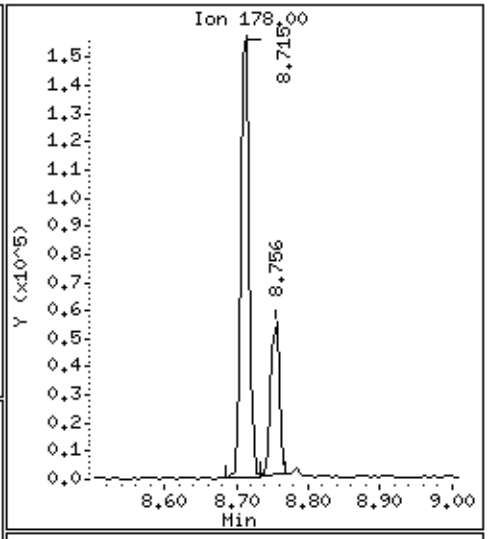
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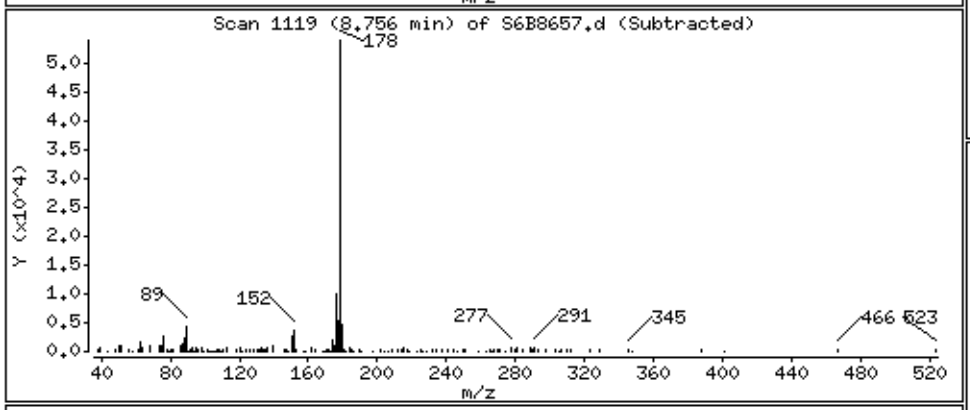
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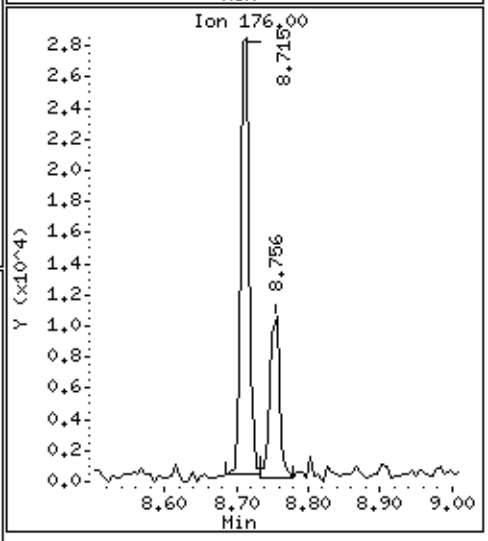
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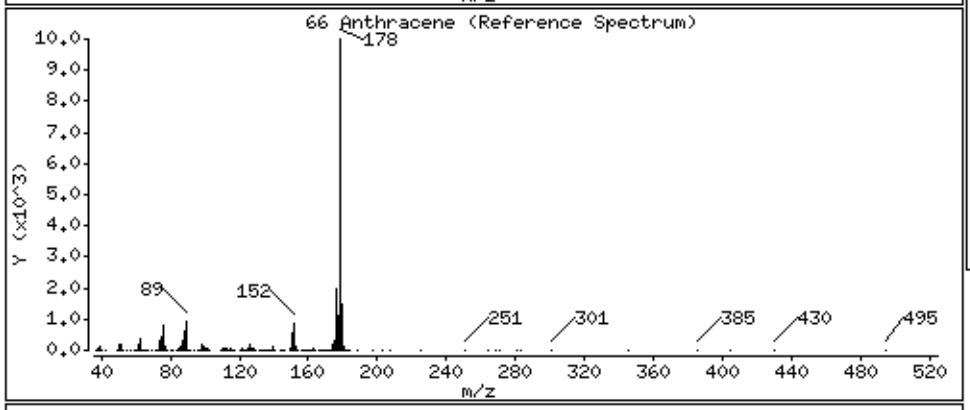
66 Anthracene Concentration: 86 ug/Kg

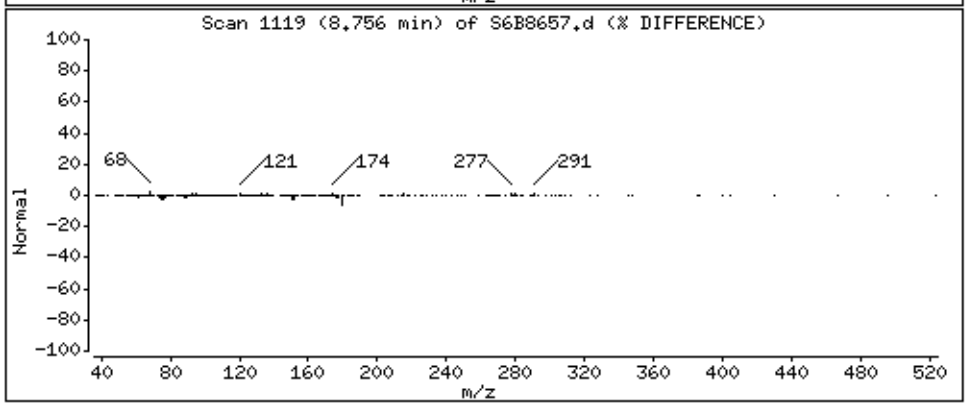












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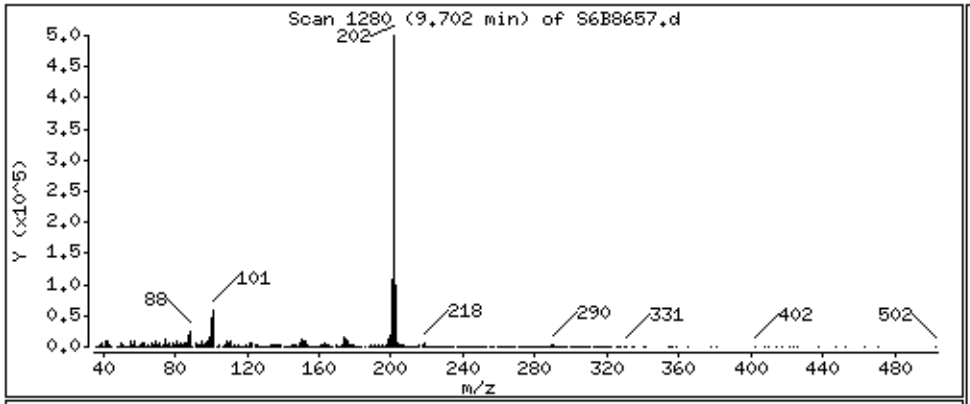
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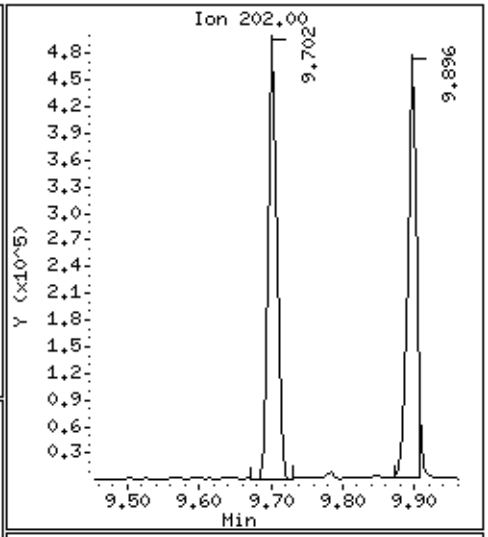
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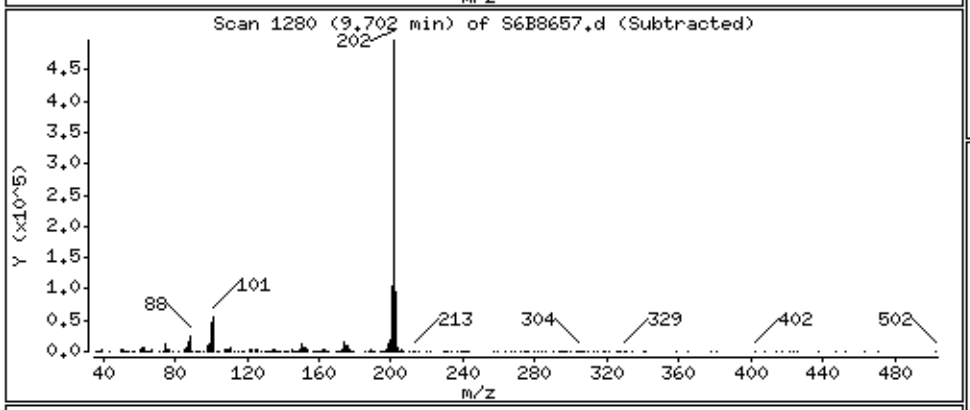
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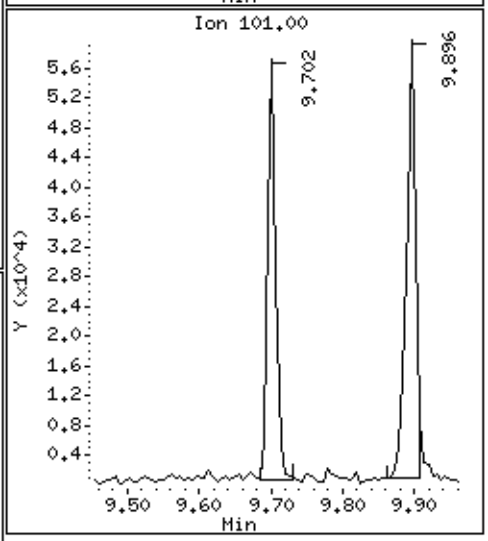
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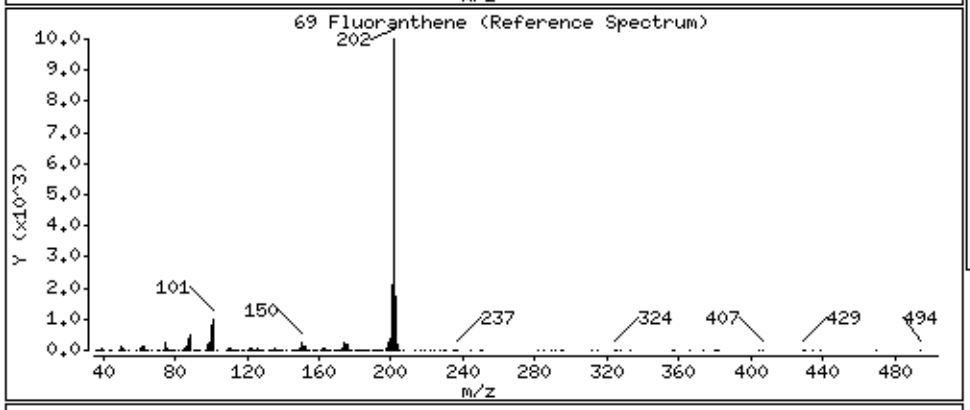
69 Fluoranthene Concentration: 750 ug/Kg

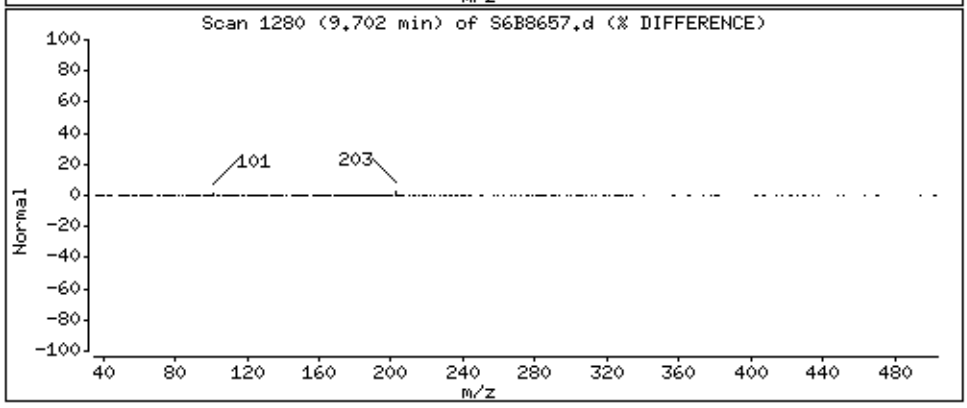












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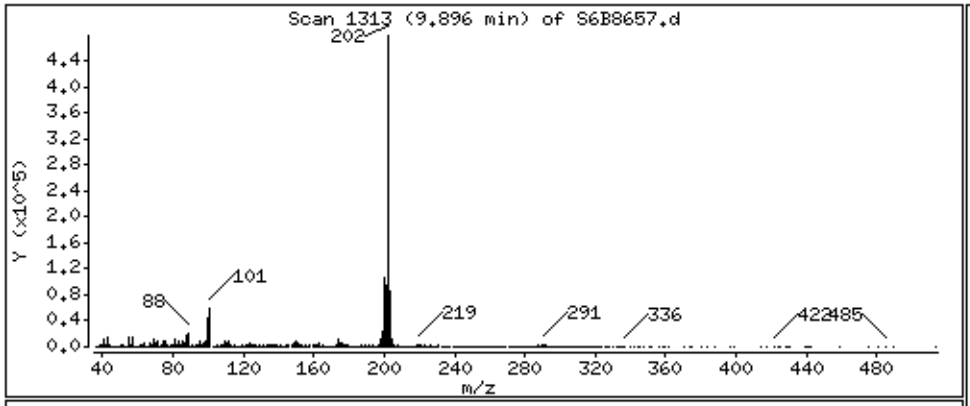
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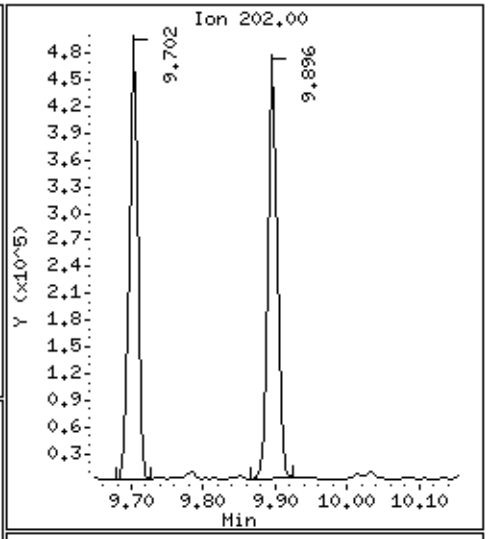
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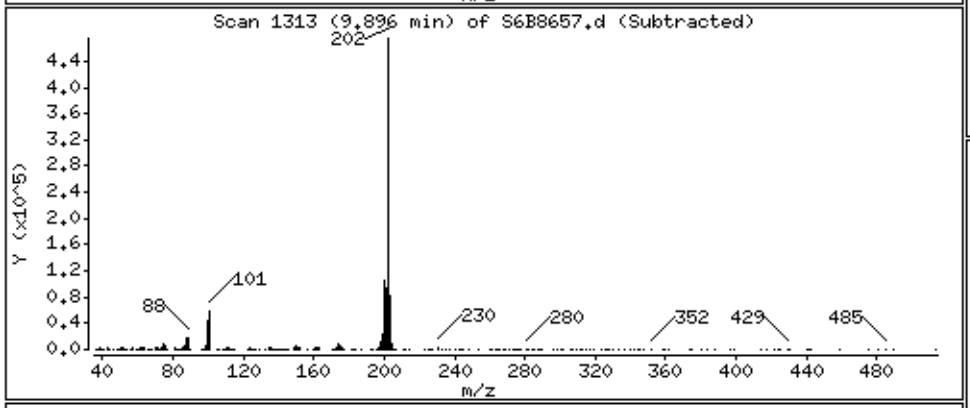
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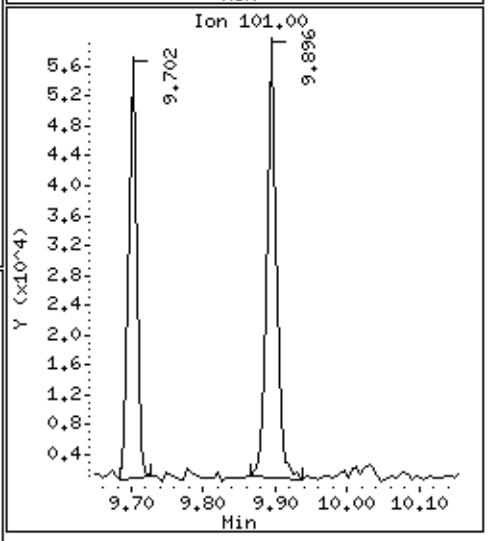
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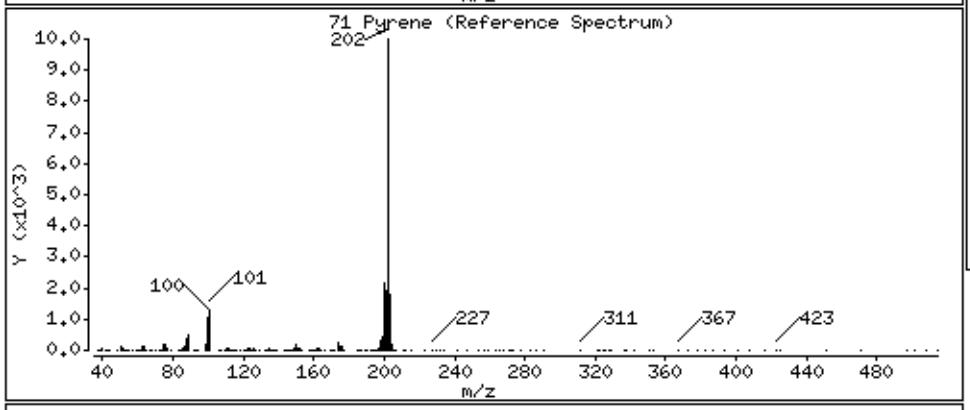
71 Pyrene Concentration: 810 ug/Kg

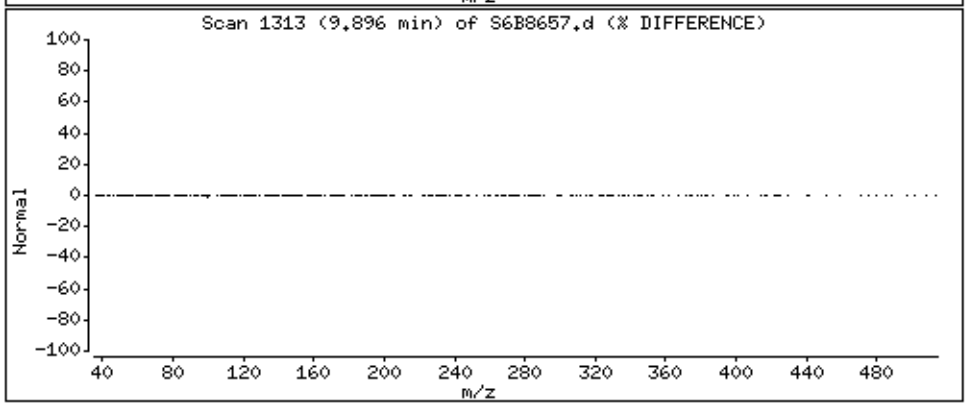












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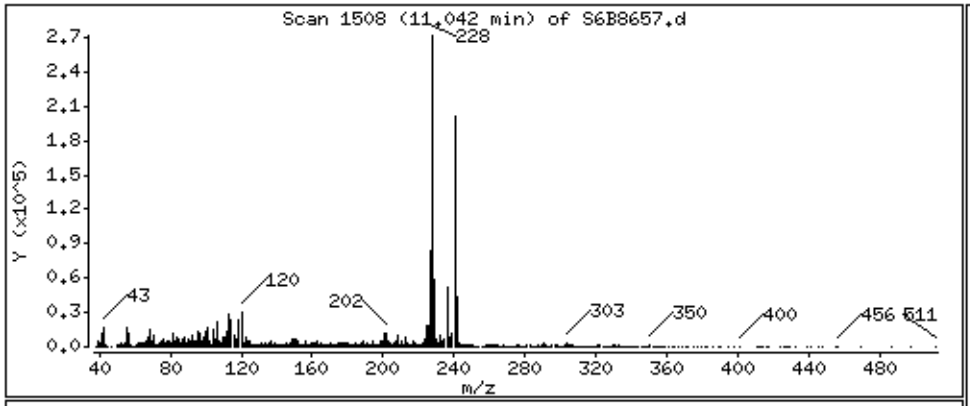
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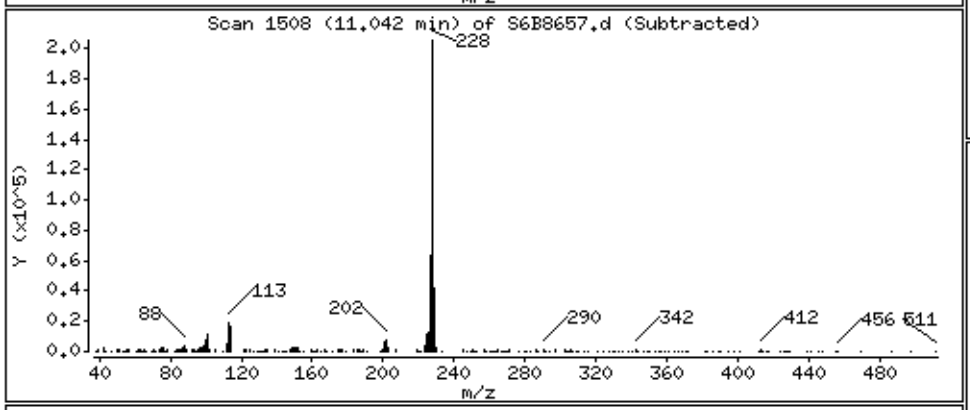
Sample Info: N1194-19A,,78076

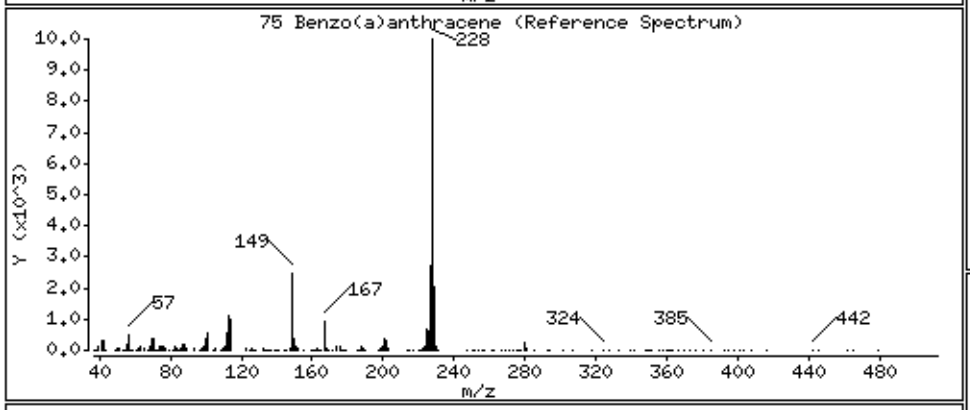
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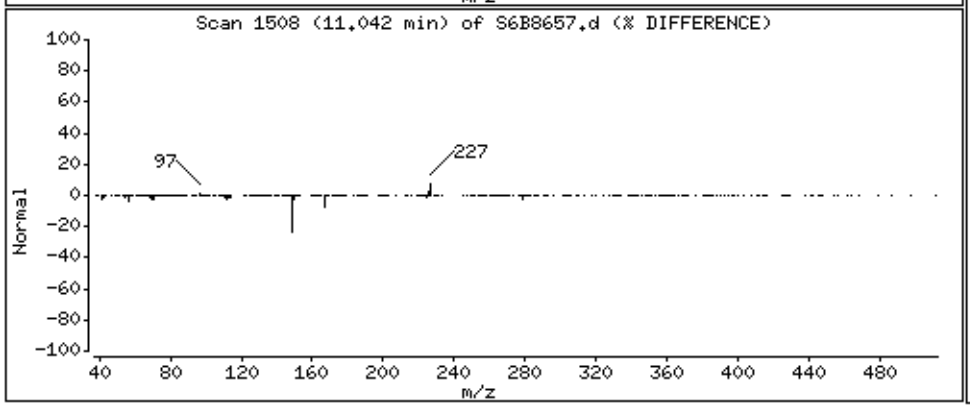
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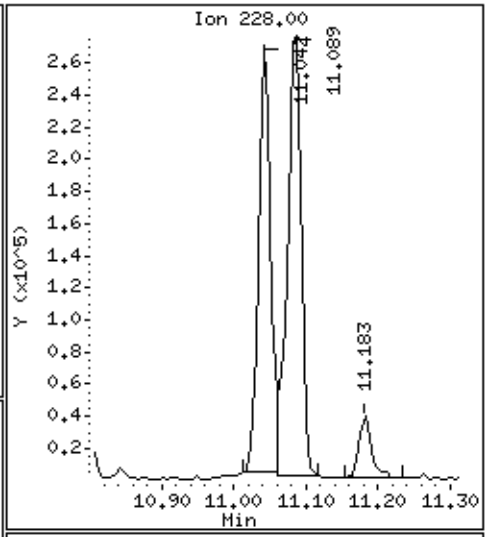
75 Benzo(a)anthracene Concentration: 670 ug/Kg

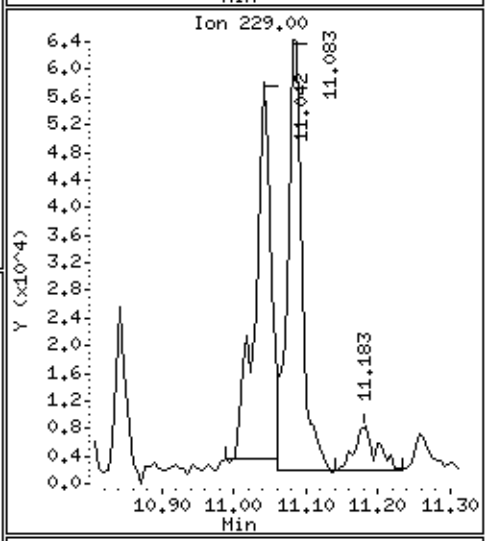


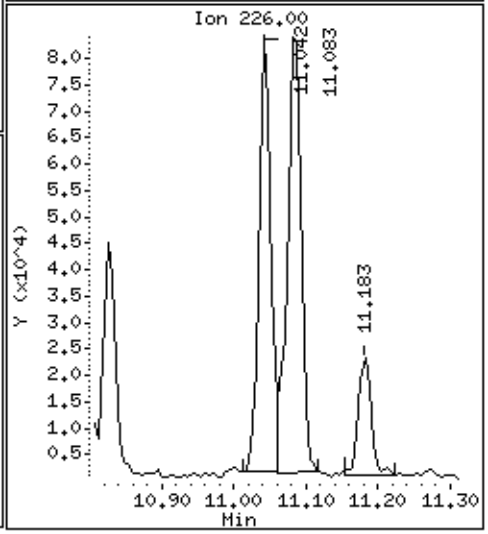












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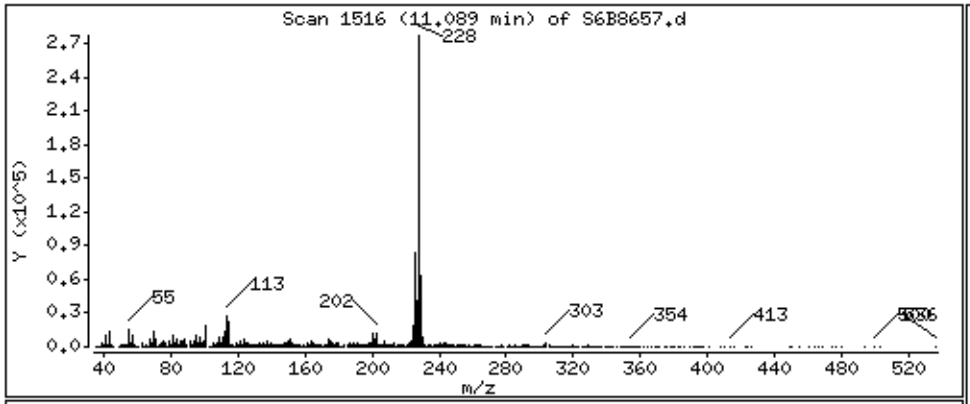
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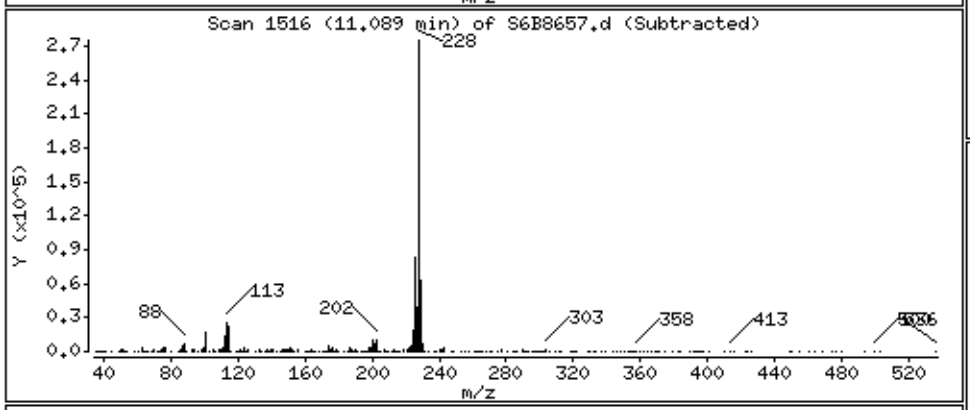
Sample Info: N1194-19A,,78076

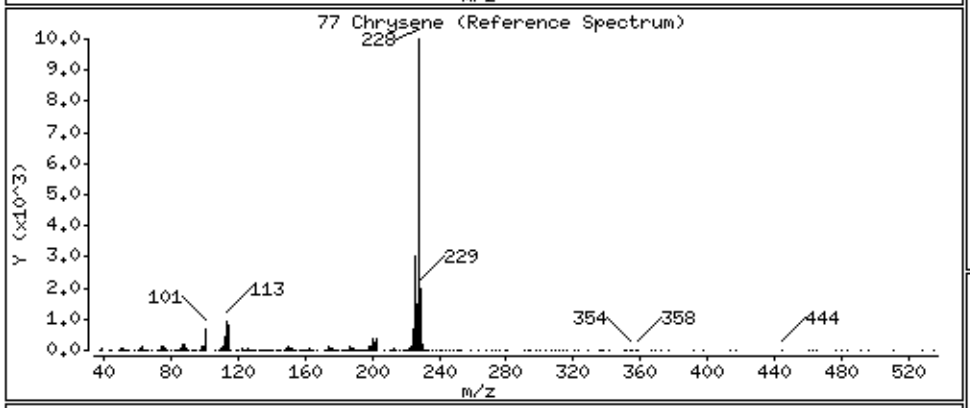
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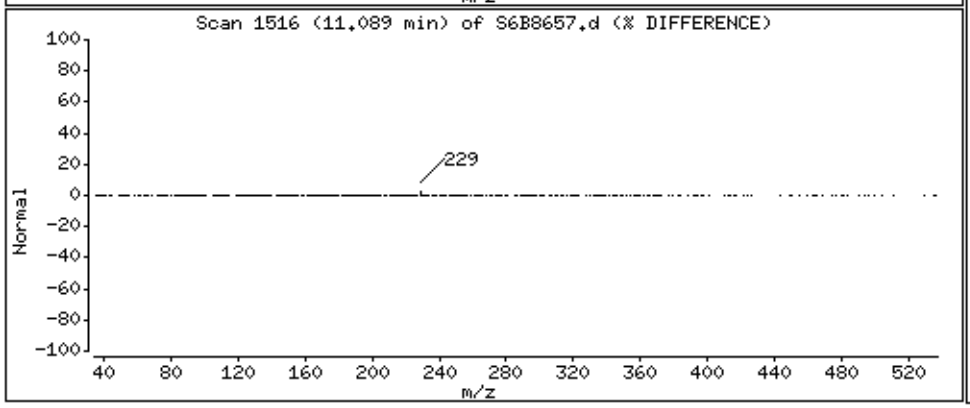
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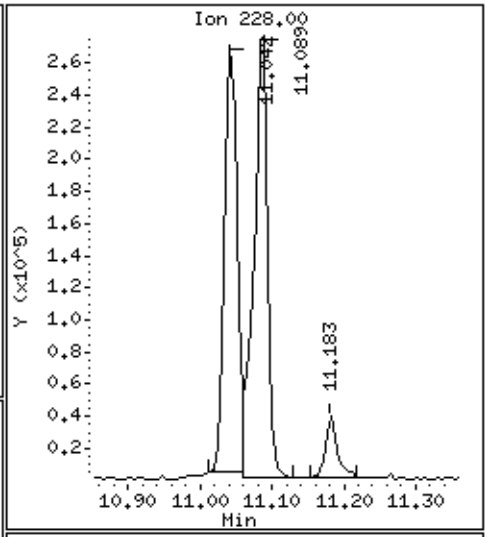
77 Chrysene Concentration: 880 ug/Kg

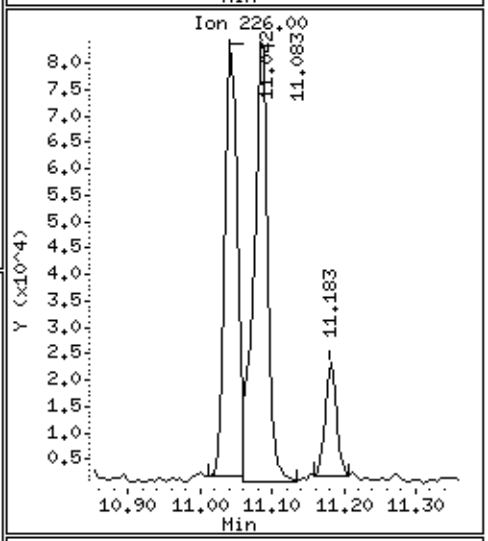


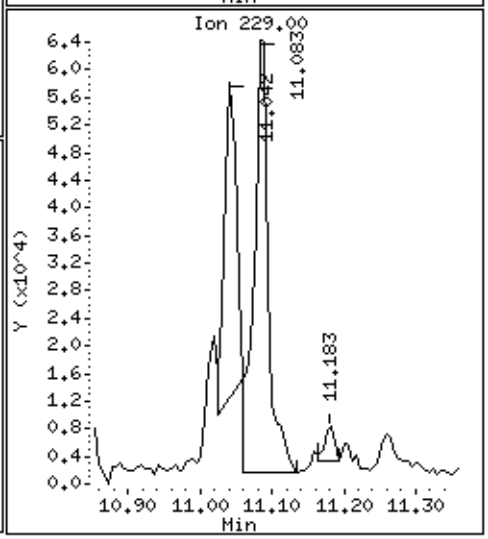












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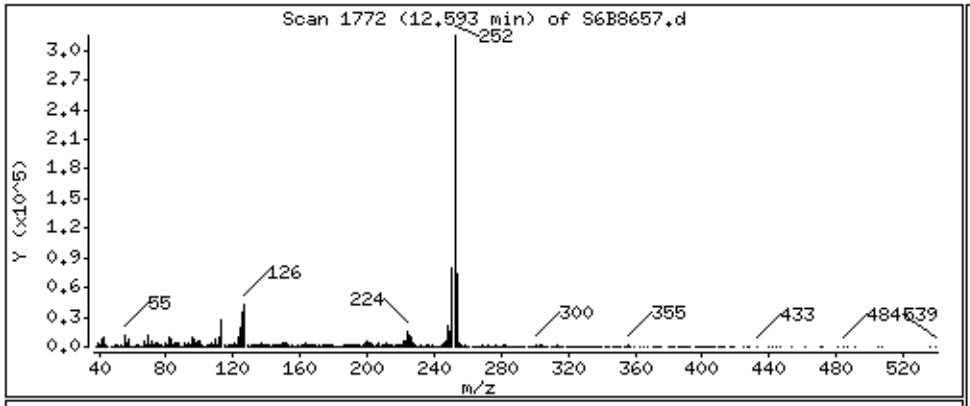
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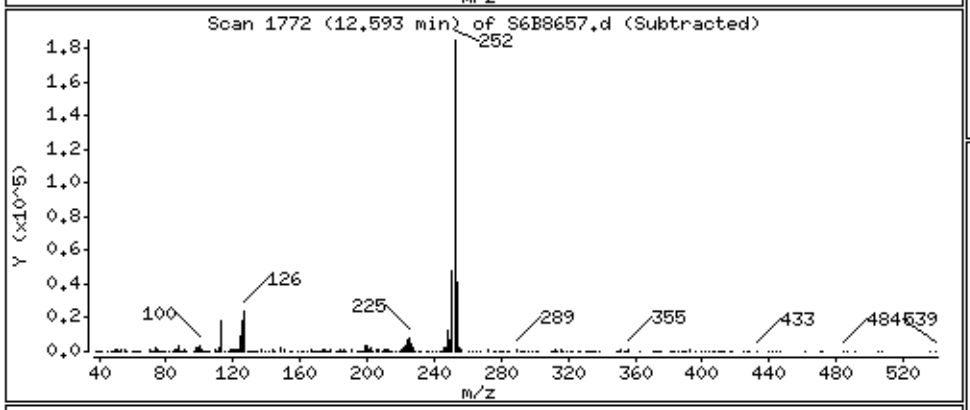
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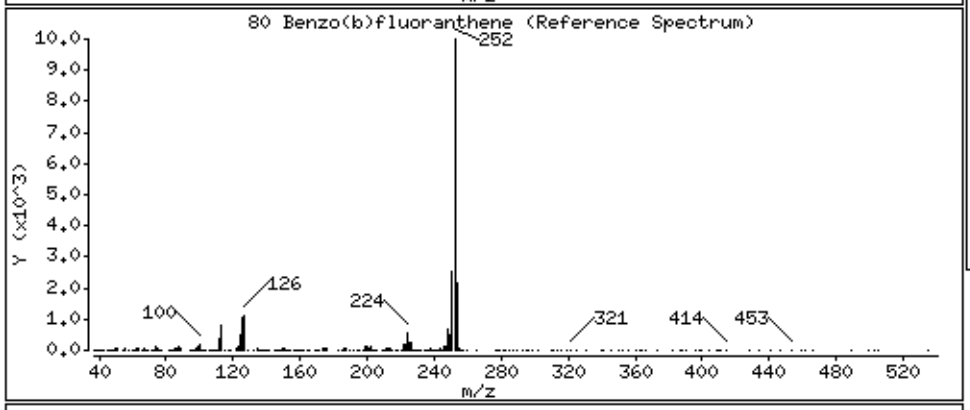
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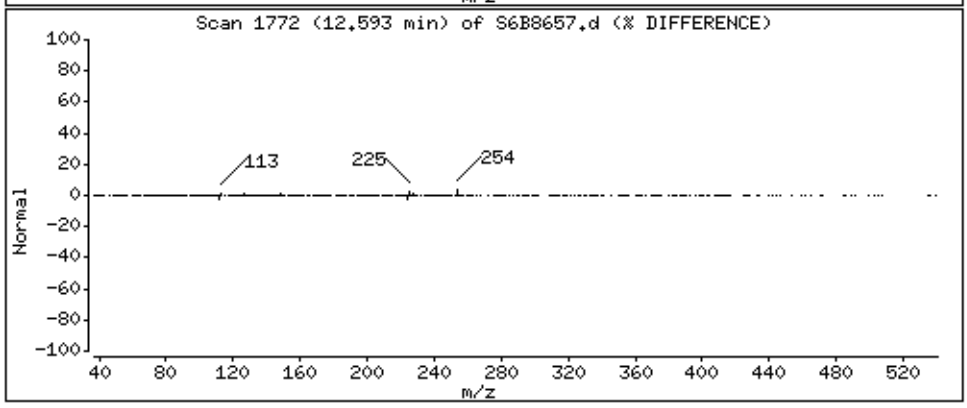
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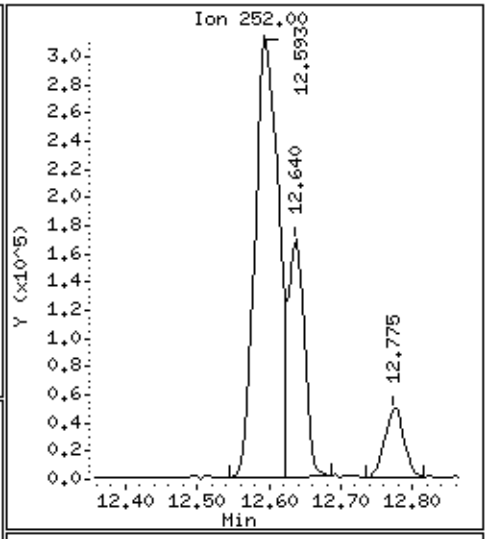
80 Benzo(b)fluoranthene Concentration: 1500 ug/Kg

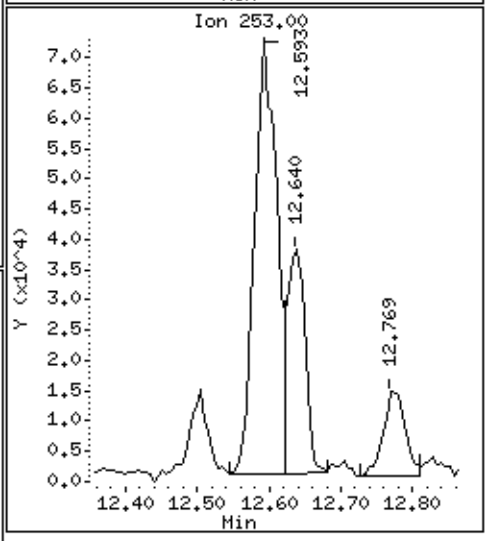












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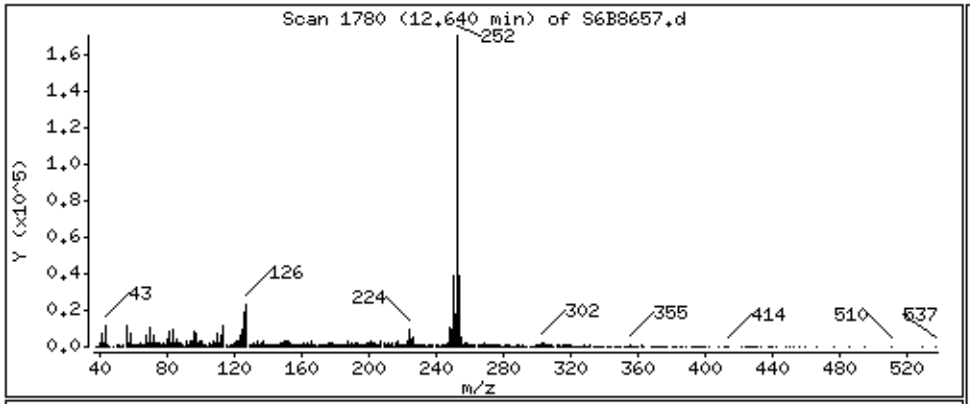
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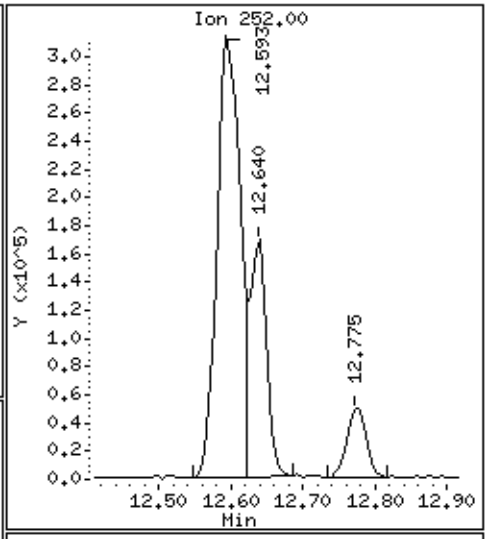
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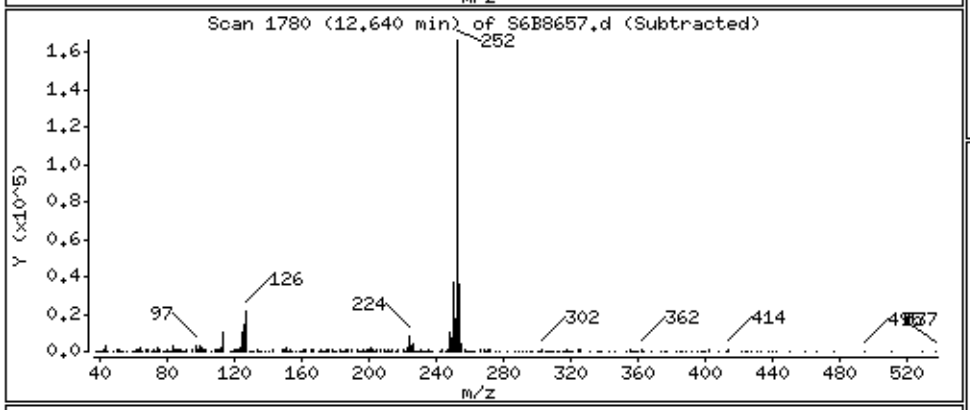
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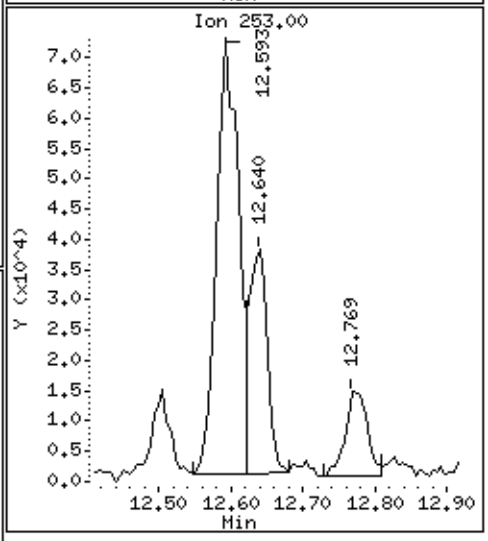
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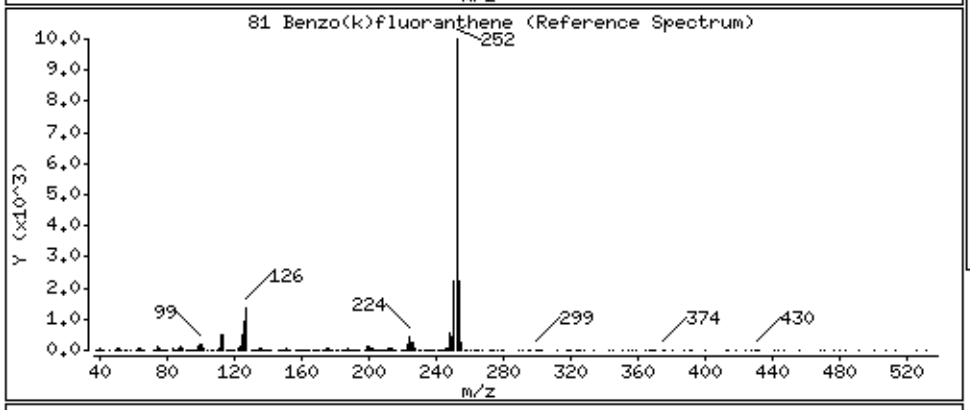
81 Benzo(k)fluoranthene Concentration: 610 ug/Kg

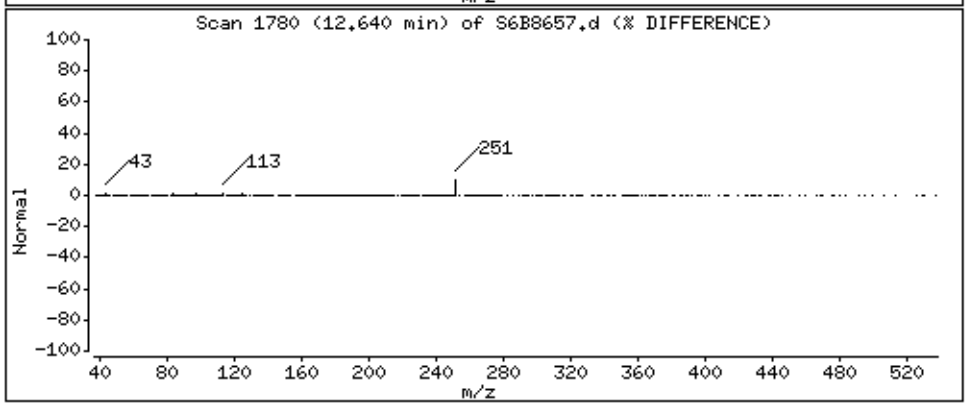












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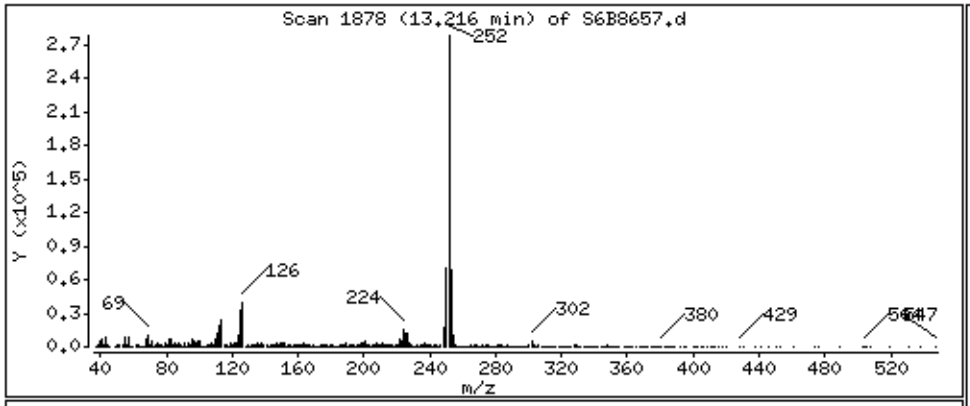
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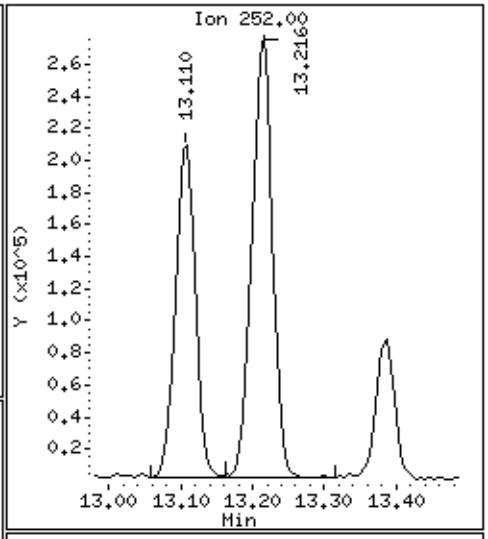
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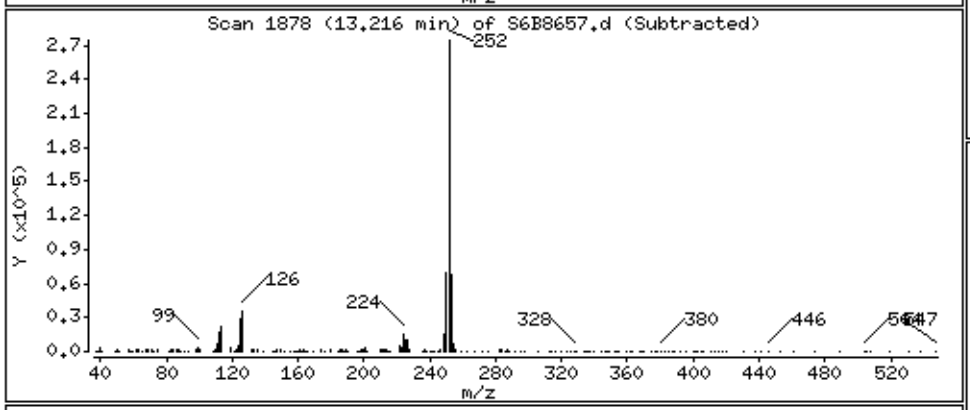
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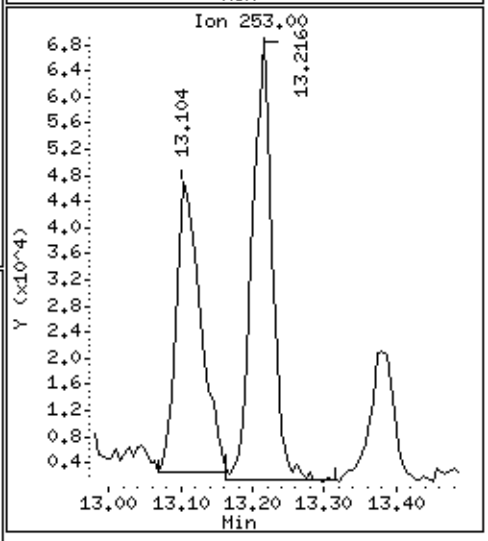
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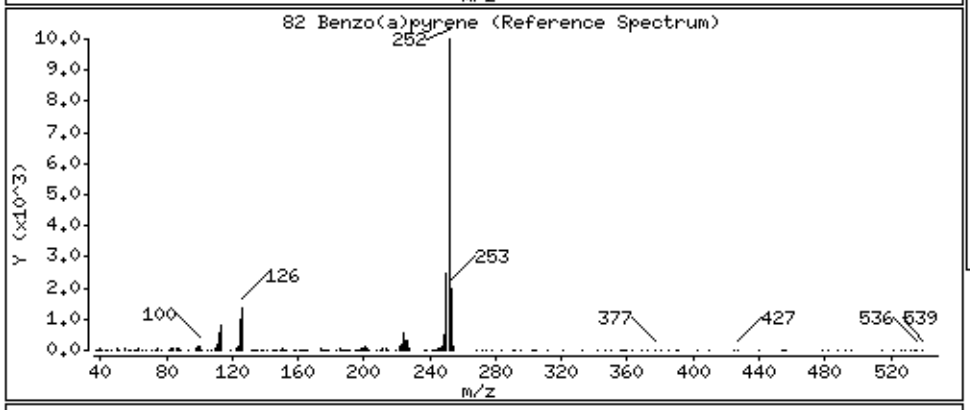
82 Benzo(a)pyrene Concentration: 1200 ug/Kg

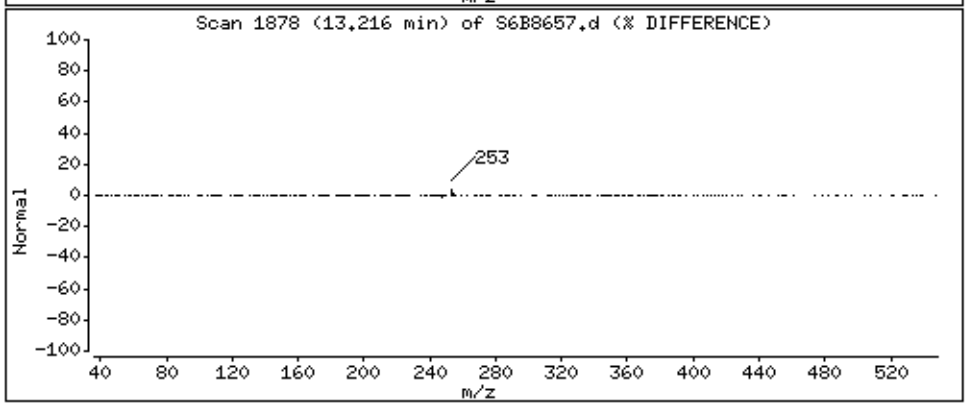












Data File: \\avogadro\organics\S6.I\140718.B\S6B8657.d

Date : 18-JUL-2014 14:43

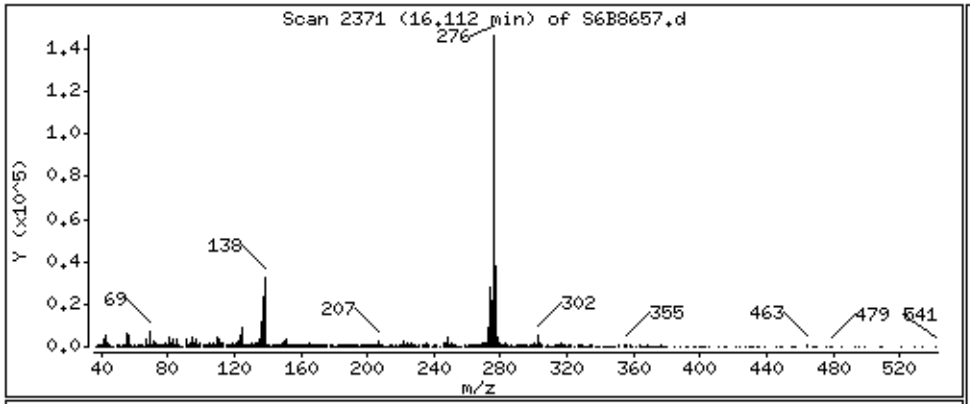
Client ID: SS-27-071014 Instrument: S6.i

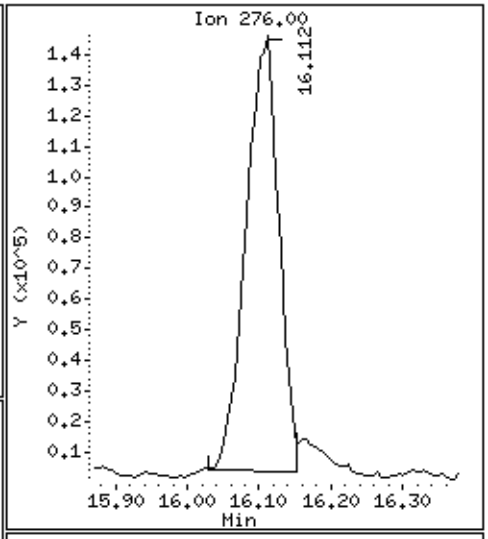
Sample Info: N1194-19A,,78076

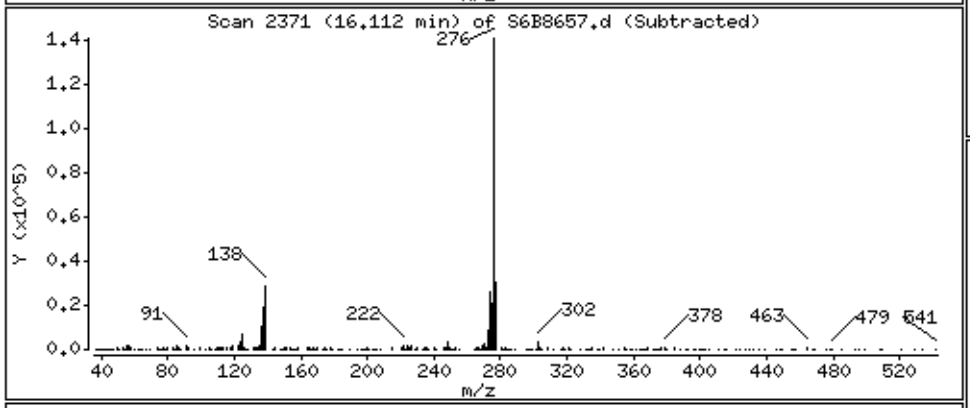
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

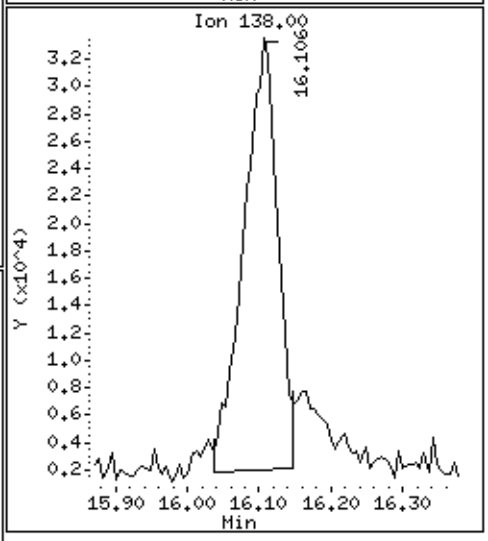
Column phase: Rxi-5Sil MS Column diameter: 0.25

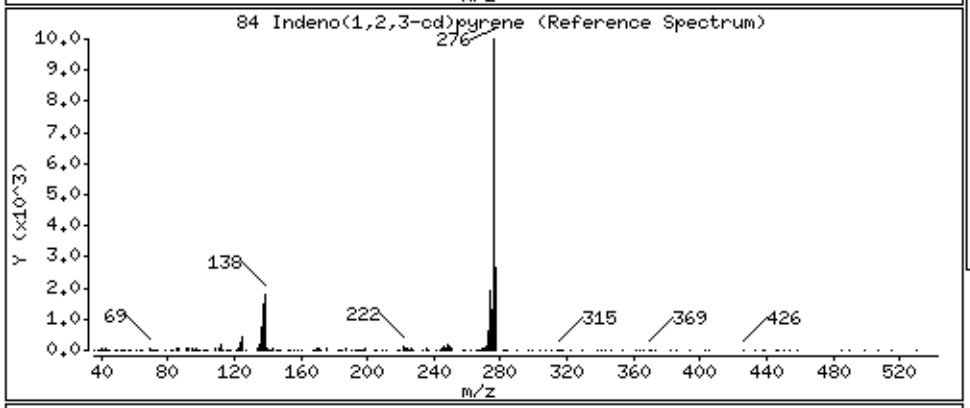
84 Indeno(1,2,3-cd)pyrene Concentration: 1200 ug/Kg

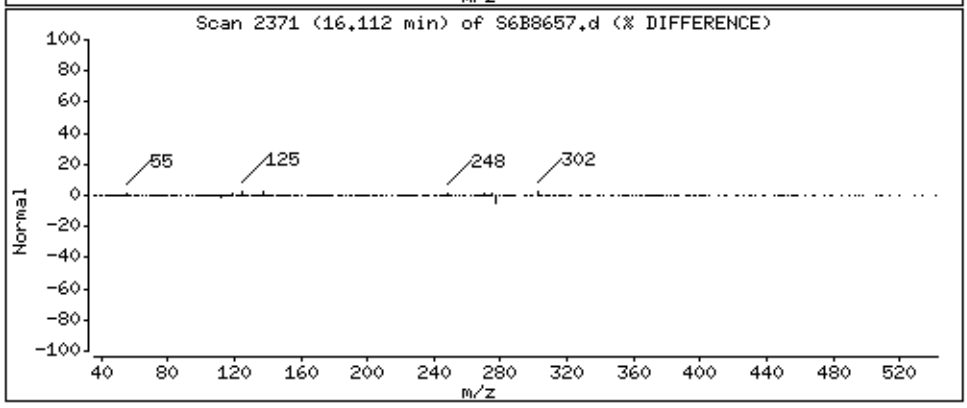












Data File: \\avogadro\organics\S6.I\140718.B\S6B8657.d

Date : 18-JUL-2014 14:43

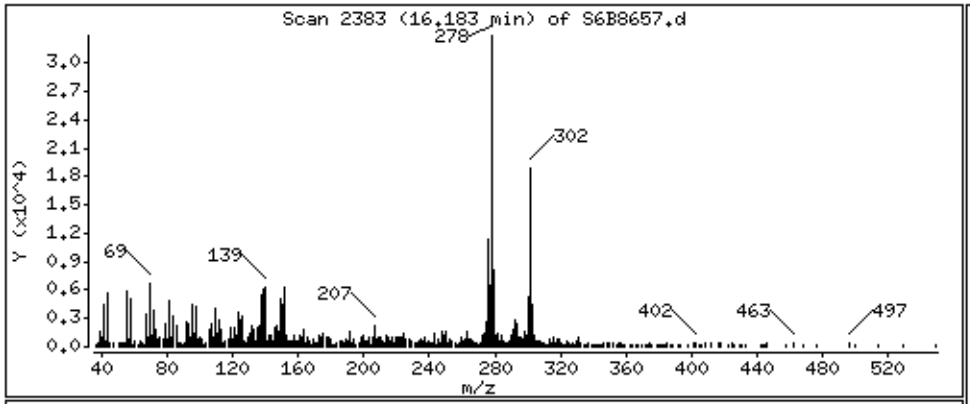
Client ID: SS-27-071014 Instrument: S6.i

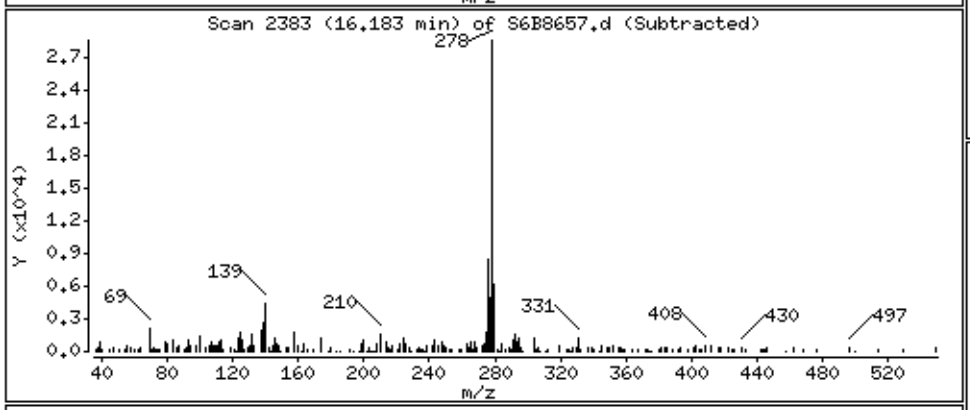
Sample Info: N1194-19A,,78076

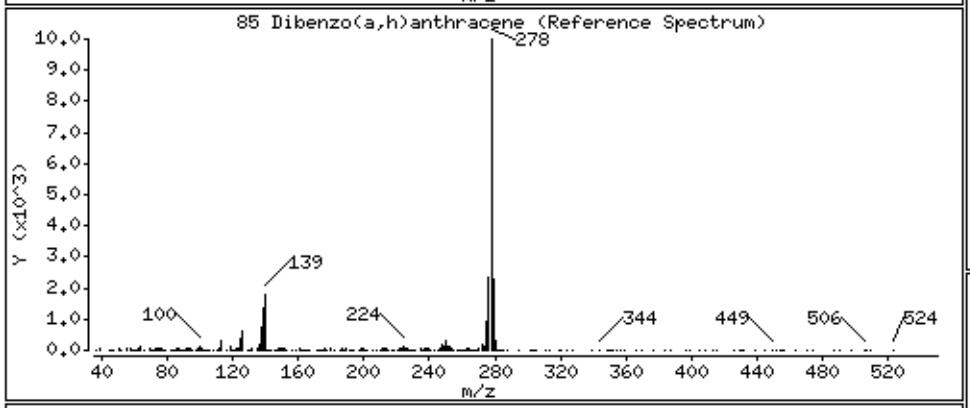
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

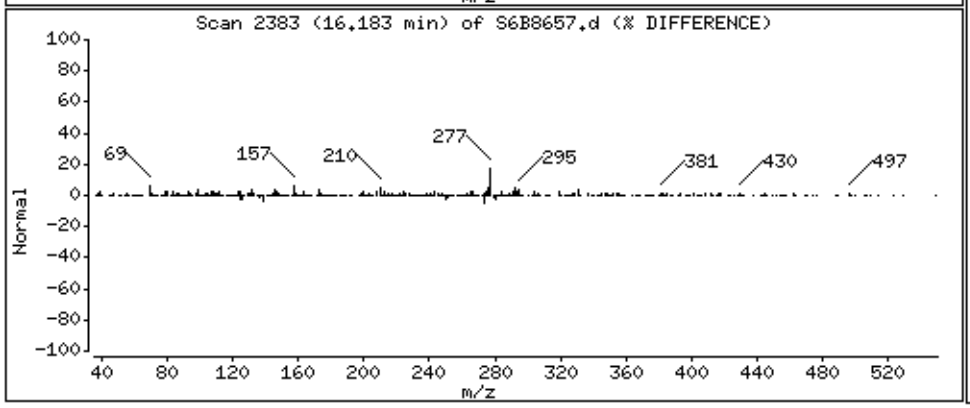
Column phase: Rxi-5Sil MS Column diameter: 0.25

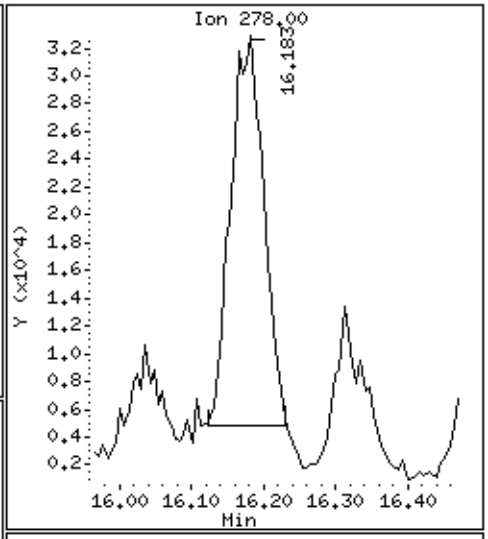
85 Dibenzo(a,h)anthracene Concentration: 240 ug/Kg

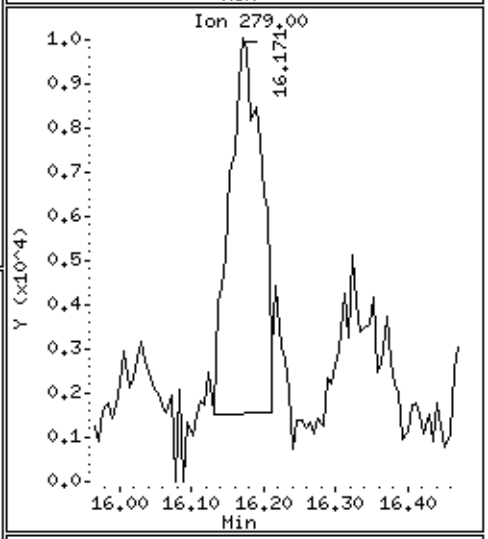


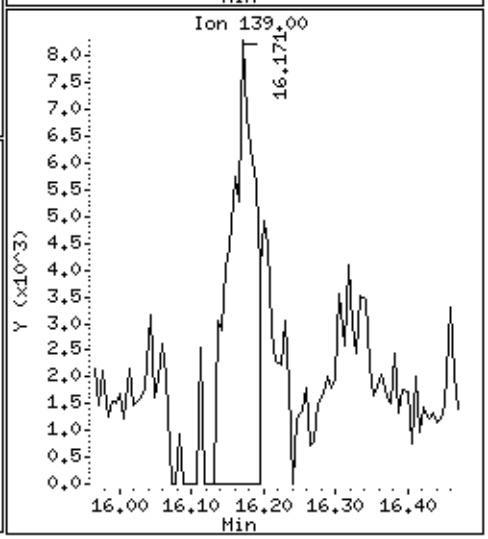












Data File: \\avogadro\organics\S6.I\140718.B\S6B8657.d

Date : 18-JUL-2014 14:43

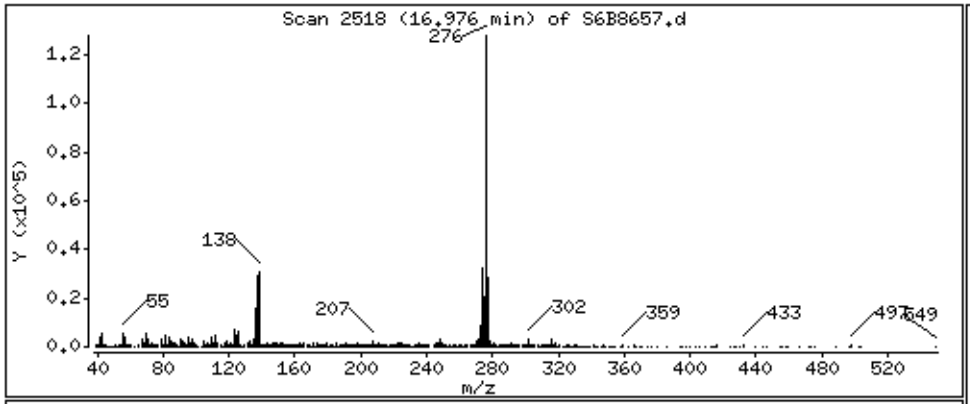
Client ID: SS-27-071014 Instrument: S6.i

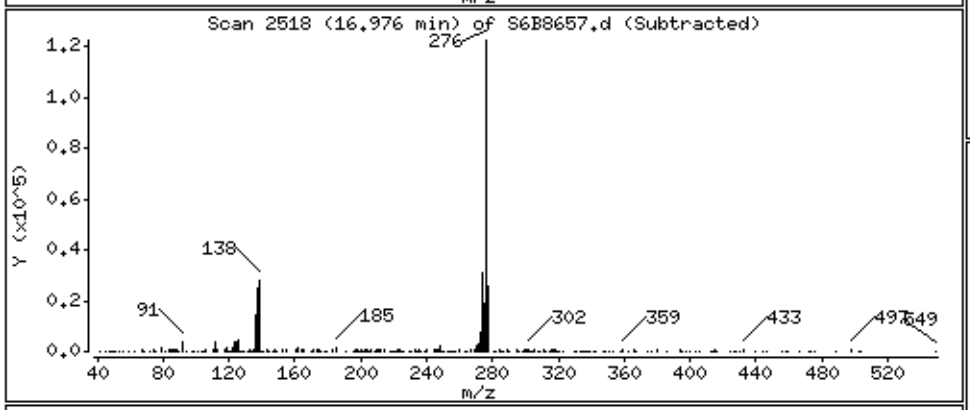
Sample Info: N1194-19A,,78076

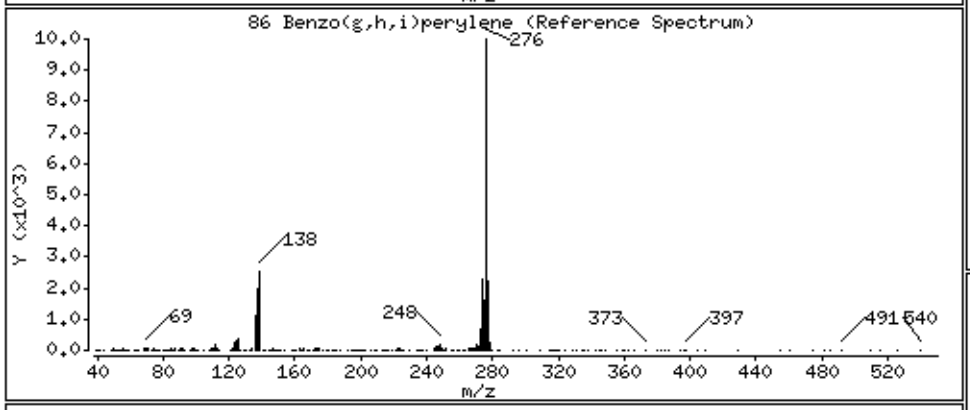
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

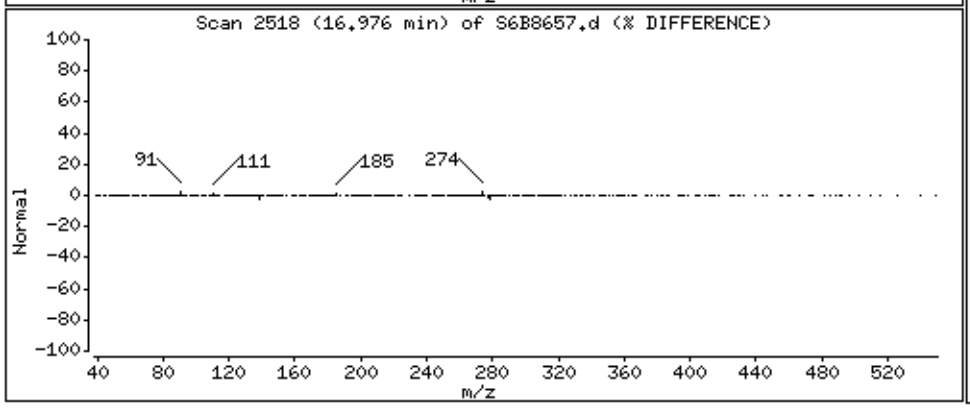
Column phase: Rxi-5Sil MS Column diameter: 0.25

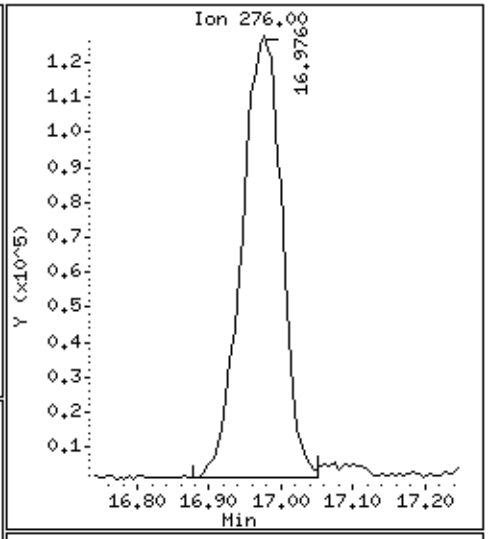
86 Benzo(g,h,i)perylene Concentration: 1200 ug/Kg

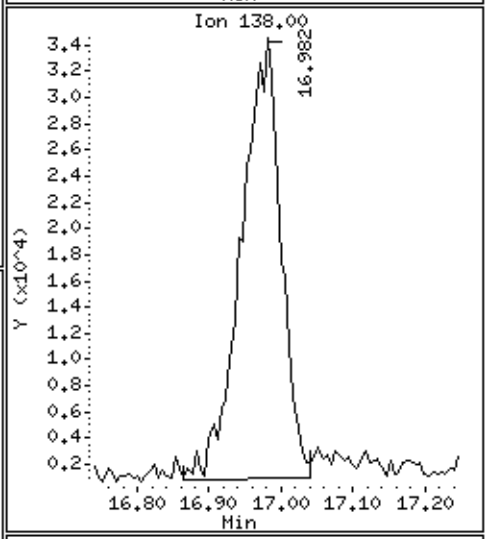


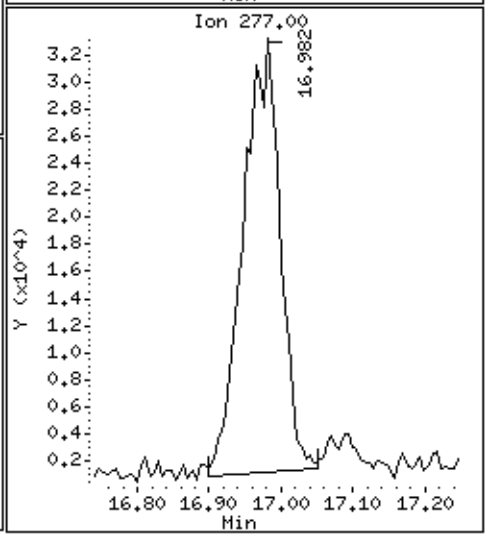








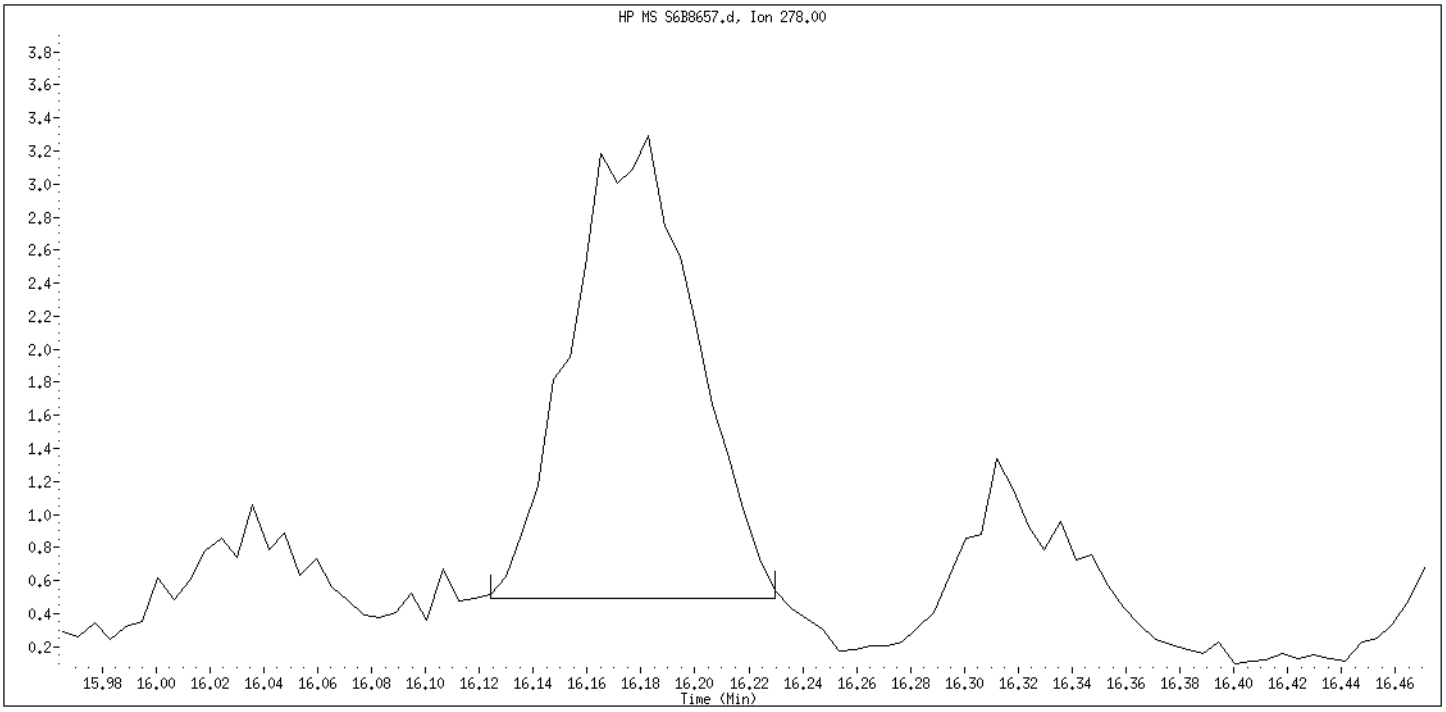




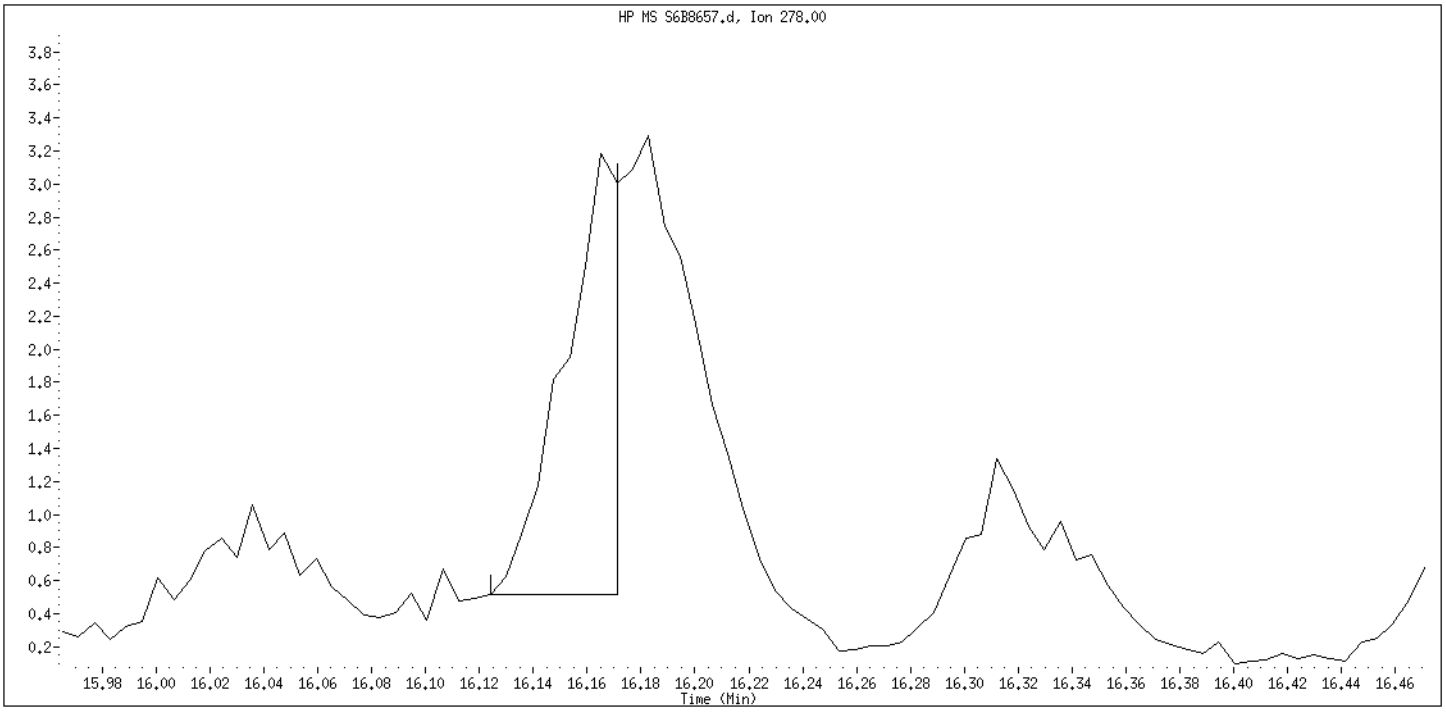
Manual Integration Report Data File: \\avogadro\organics\S6.I\140718.B\S6B8657.d

Lab ID: N1194-19A Client ID: SS-27-071014 Inj Vol: 1 uL
Inj Date: 18-JUL-2014 14:43 Operator: TM SRC: LIMS

Manual Integration Dibenzo(a,h)anthracene Ret Time: 16.183 min, Range: 16.124 to 16.230 min Response: 89995



Original Integration Dibenzo(a,h)anthracene Ret Time: 16.165 min, Range: 16.124 to 16.171 min Response: 38878



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-28-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-20A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8658.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	110	J
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	390	J
120-12-7	Anthracene	120	J
206-44-0	Fluoranthene	940	
129-00-0	Pyrene	940	
56-55-3	Benzo(a)anthracene	770	
218-01-9	Chrysene	990	
205-99-2	Benzo(b)fluoranthene	1900	
207-08-9	Benzo(k)fluoranthene	660	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1400	
53-70-3	Dibenzo(a,h)anthracene	320	J
191-24-2	Benzo(g,h,i)perylene	1500	

Data File: \\avogadro\organics\S6.I\140718.B\S6B8658.d
Report Date: 21-Jul-2014 13:14

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140718.B\S6B8658.d
Lab Smp Id: N1194-20A Client Smp ID: SS-28-071014
Inj Date : 18-JUL-2014 15:06
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-20A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140718.B\S6_8270C_N.m
Meth Date : 21-Jul-2014 13:13 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.100	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.809	3.803	(0.773)	250088	29.8960	2000
$	5 Phenol-d5	99	4.625	4.625	(0.939)	304176	28.4827	1900
*	12 1,4-Dichlorobenzene-d4	152	4.925	4.925	(1.000)	252549	40.0000	
$	22 Nitrobenzene-d5	82	5.395	5.395	(0.899)	303397	34.3382	2300
*	31 Naphthalene-d8	136	6.000	6.000	(1.000)	857233	40.0000	
$	41 2-Fluorobiphenyl	172	6.893	6.893	(0.924)	622200	32.2055	2100
*	48 Acenaphthene-d10	164	7.457	7.463	(1.000)	552066	40.0000	
	49 Acenaphthene	153	7.487	7.492	(1.004)	24163	1.43930	95(a)
$	60 2,4,6-Tribromophenol	330	8.115	8.115	(0.934)	77093	31.5884	2100
*	64 Phenanthrene-d10	188	8.691	8.697	(1.000)	1060100	40.0000	
	65 Phenanthrene	178	8.709	8.715	(1.002)	139966	4.88952	320(a)
	66 Anthracene	178	8.756	8.756	(1.007)	44091	1.51172	100(a)
	69 Fluoranthene	202	9.702	9.708	(1.116)	385642	11.7713	780
	71 Pyrene	202	9.896	9.901	(0.895)	390437	11.7256	780
$	72 Terphenyl-d14	244	10.013	10.019	(0.906)	697033	32.2296	2100
	75 Benzo(a)anthracene	228	11.041	11.059	(0.999)	299232	9.69384	640(a)
*	76 Chrysene-d12	240	11.053	11.077	(1.000)	1081125	40.0000	
	77 Chrysene	228	11.082	11.106	(1.003)	349663	12.3421	820
	80 Benzo(b)fluoranthene	252	12.592	12.610	(0.944)	738265	23.1701	1500

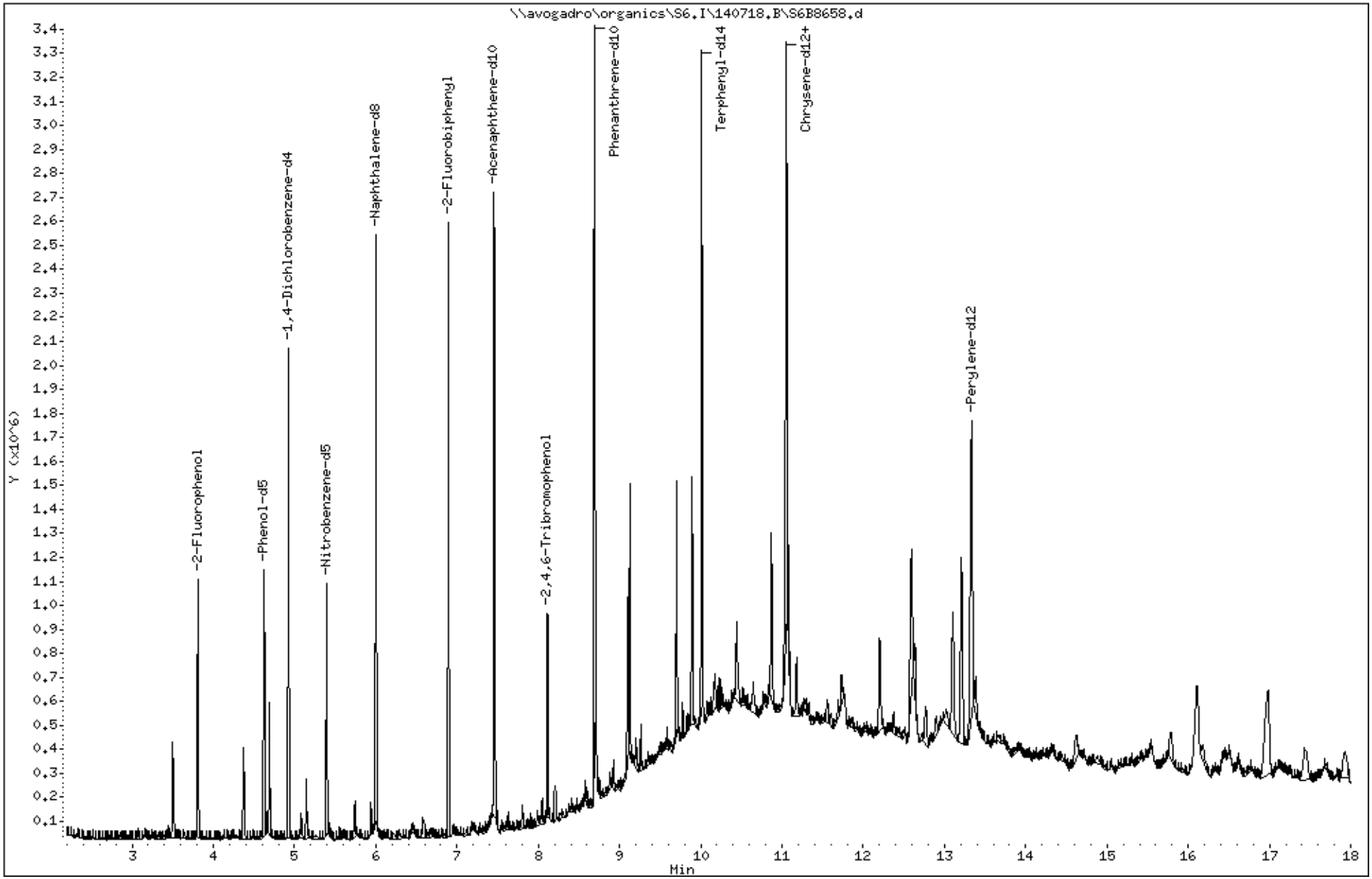
Data File: \\avogadro\organics\S6.I\140718.B\S6B8658.d
Report Date: 21-Jul-2014 13:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	81 Benzo(k)fluoranthene	252	12.634	12.663	(0.948)	268179	8.28952	550(a)
	82 Benzo(a)pyrene	252	13.209	13.233	(0.991)	568074	18.6869	1200
*	83 Perylene-d12	264	13.333	13.356	(1.000)	1083763	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	16.106	16.124	(1.208)	474575	17.8918	1200
	85 Dibenzo(a,h)anthracene	278	16.177	16.218	(1.213)	103743	4.01998	270(a)
	86 Benzo(g,h,i)perylene	276	16.982	16.993	(1.274)	527778	19.2676	1300

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\avogadro\organics\S6.I\140718.B\S6B8658.d
Date : 18-JUL-2014 15:06
Client ID: SS-28-071014
Instrument: S6.i
Sample Info: N1194-20A,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140718.B\S6B8658.d

Date : 18-JUL-2014 15:06

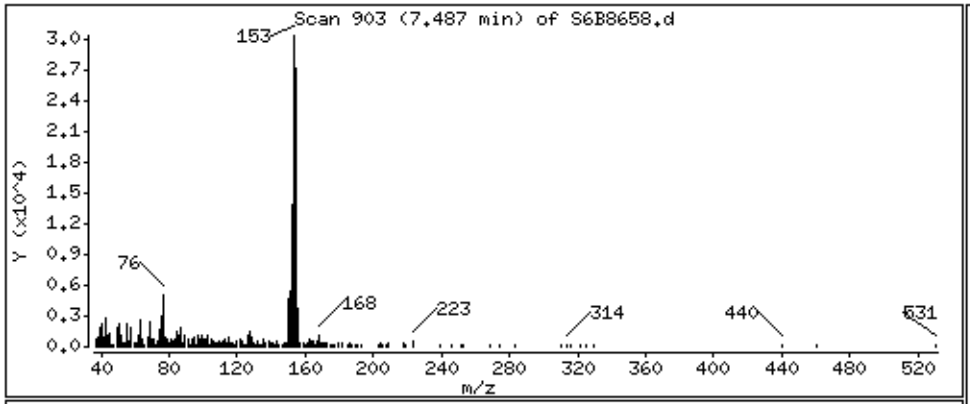
Client ID: SS-28-071014 Instrument: S6.i

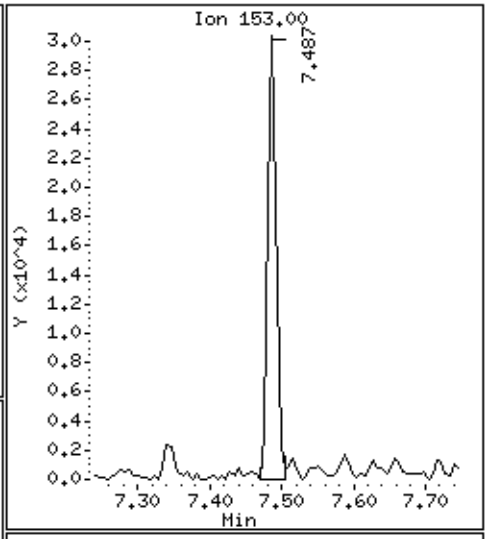
Sample Info: N1194-20A,,78076

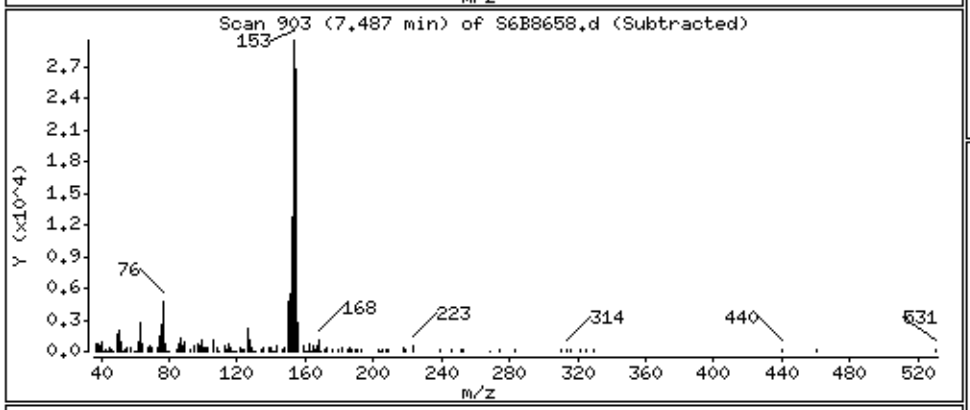
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

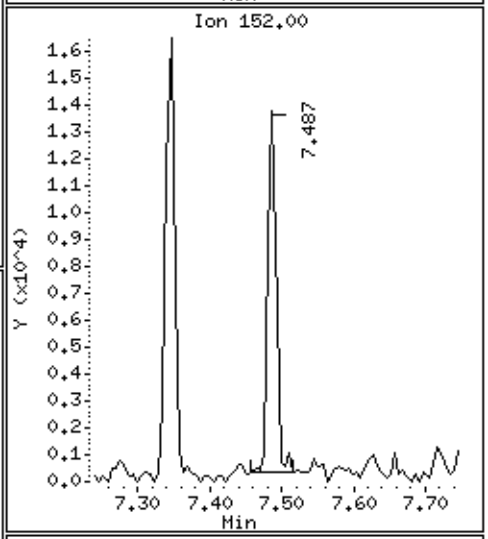
Column phase: Rxi-5Sil MS Column diameter: 0.25

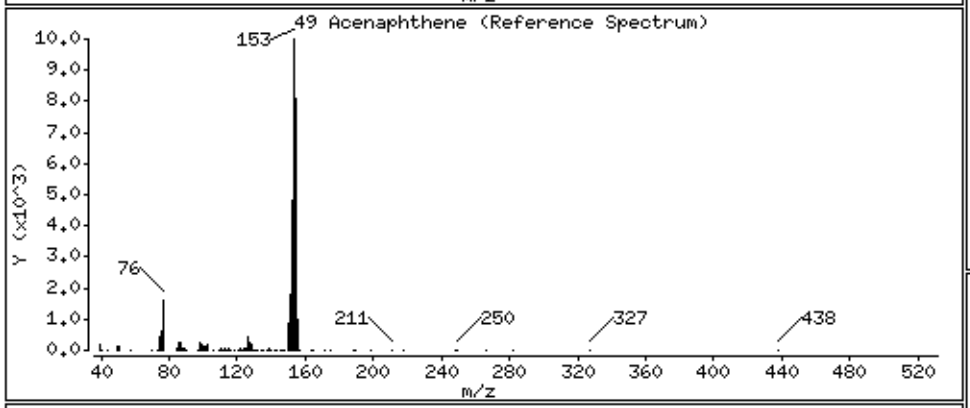
49 Acenaphthene Concentration: 95 ug/Kg

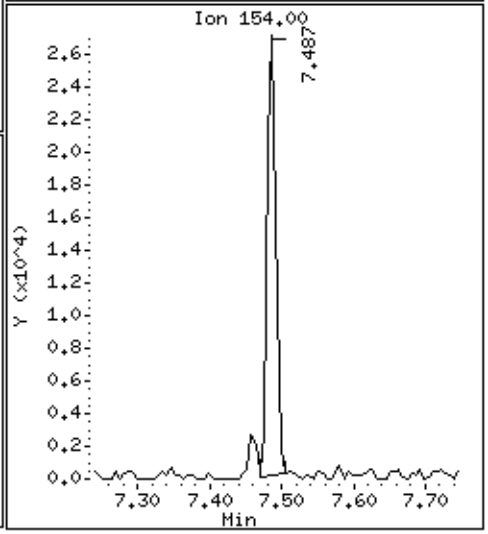


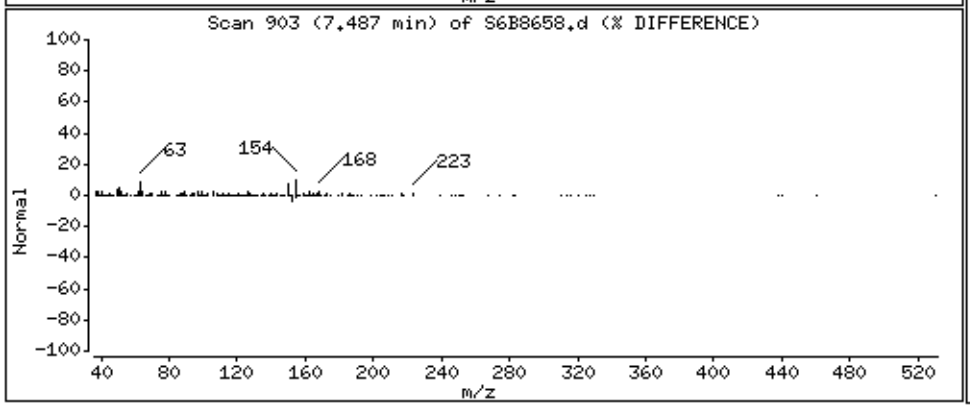












Data File: \\avogadro\organics\S6.I\140718.B\S6B8658.d

Date : 18-JUL-2014 15:06

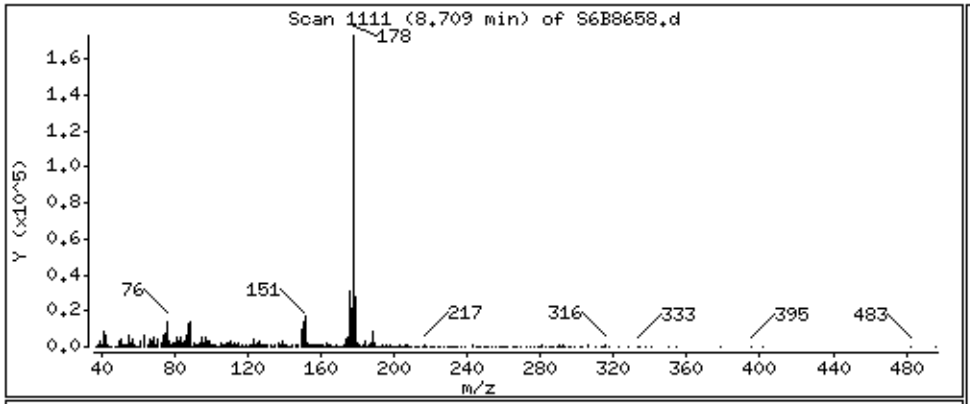
Client ID: SS-28-071014 Instrument: S6.i

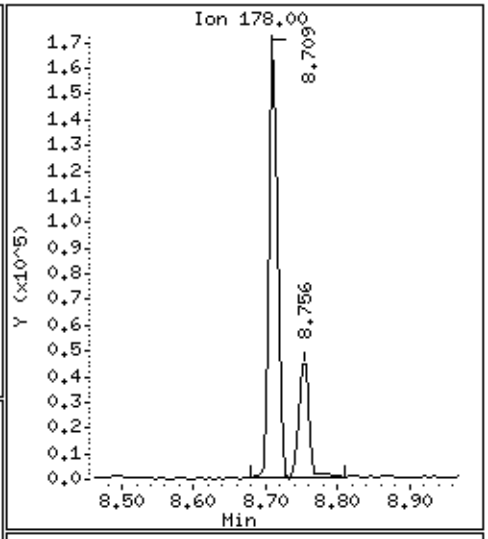
Sample Info: N1194-20A,,78076

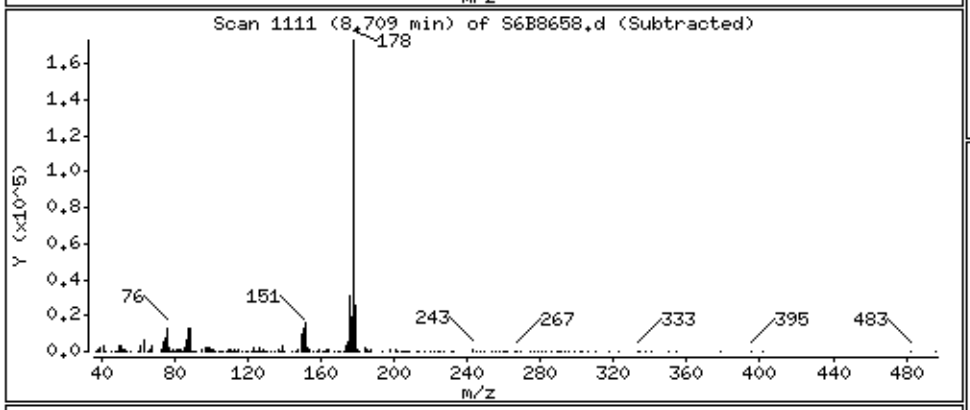
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

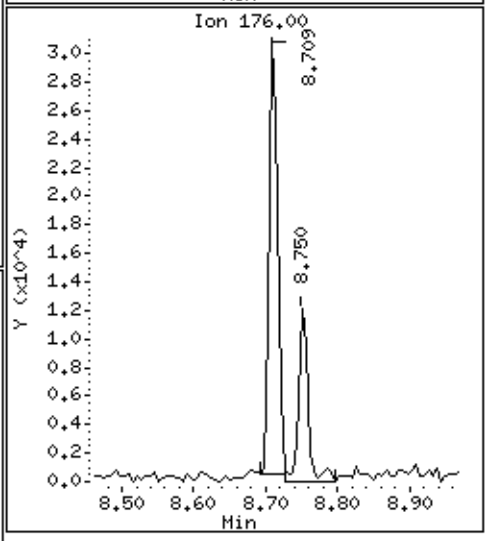
Column phase: Rxi-5Sil MS Column diameter: 0.25

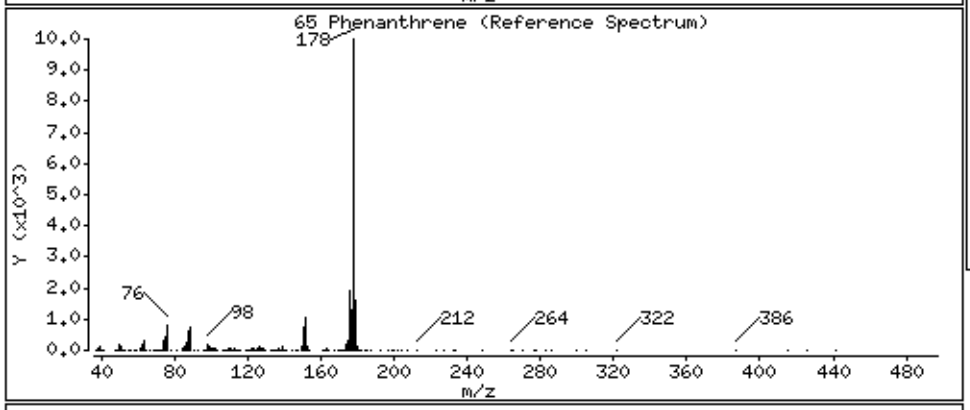
65 Phenanthrene Concentration: 320 ug/Kg

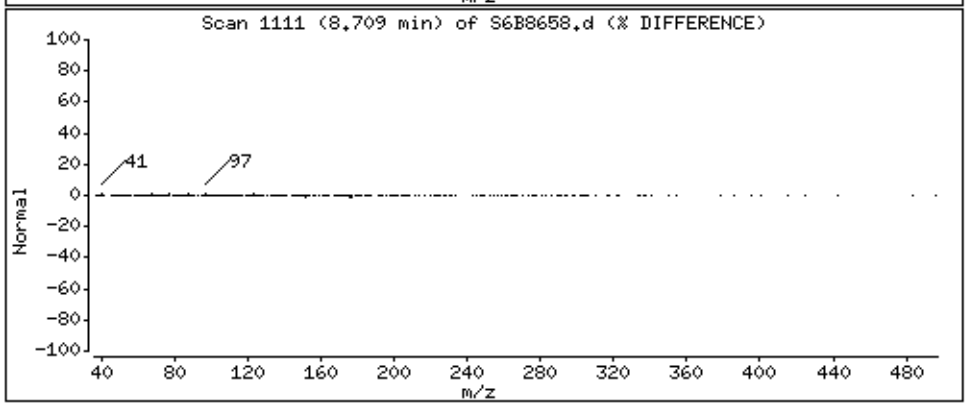












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Date : 18-JUL-2014 15:06

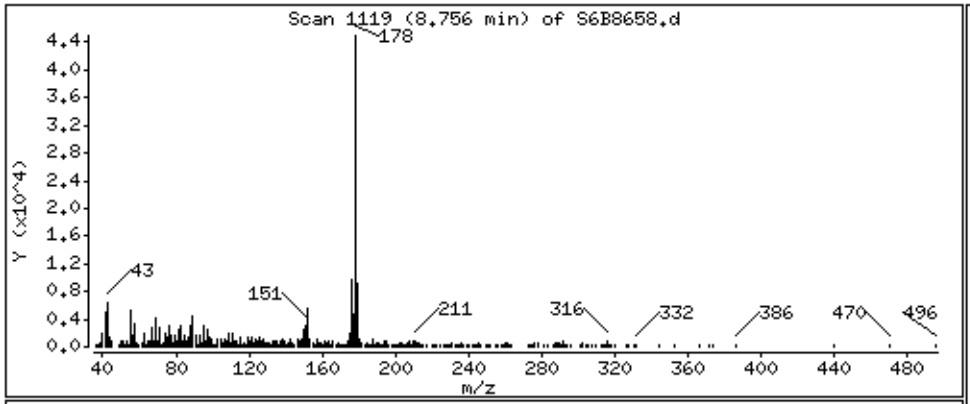
Client ID: SS-28-071014 Instrument: S6.i

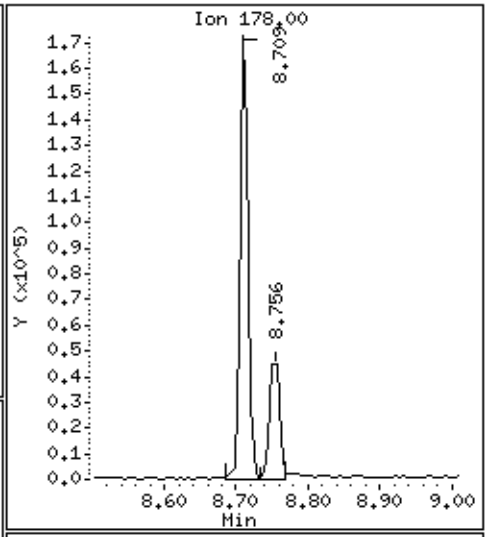
Sample Info: N1194-20A,,78076

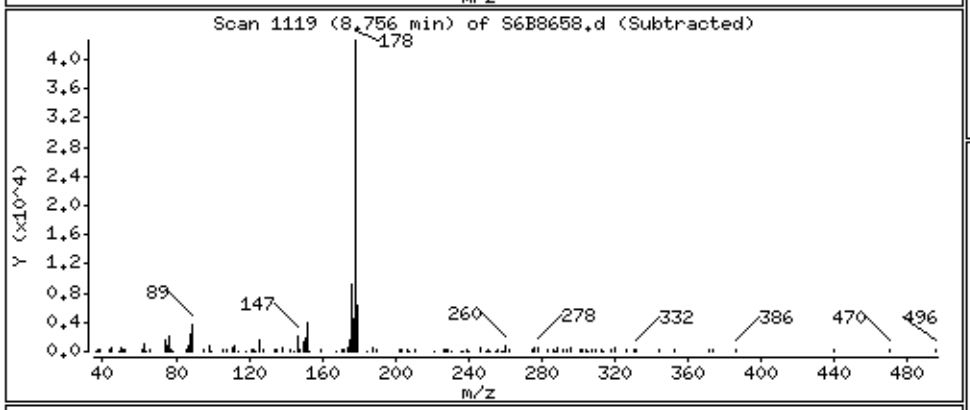
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

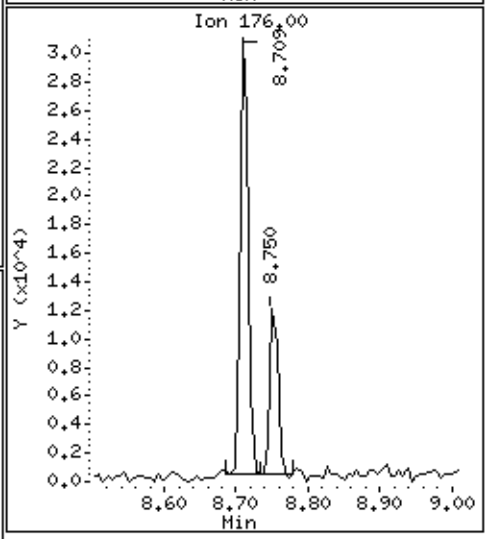
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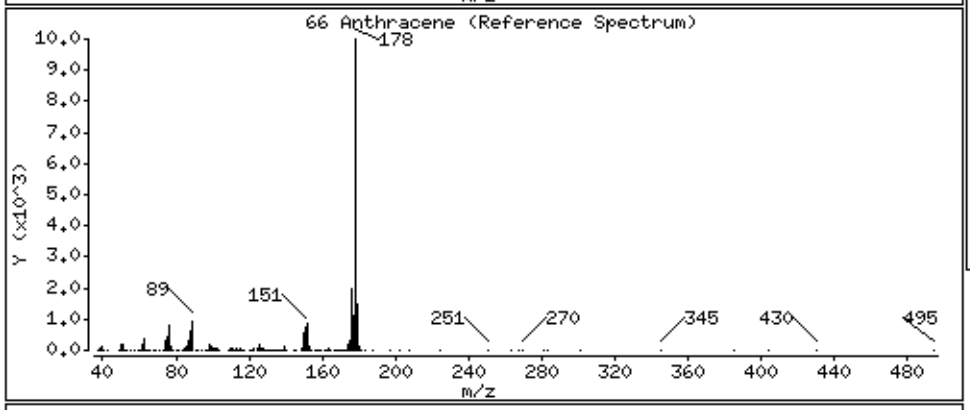
66 Anthracene Concentration: 100 ug/Kg

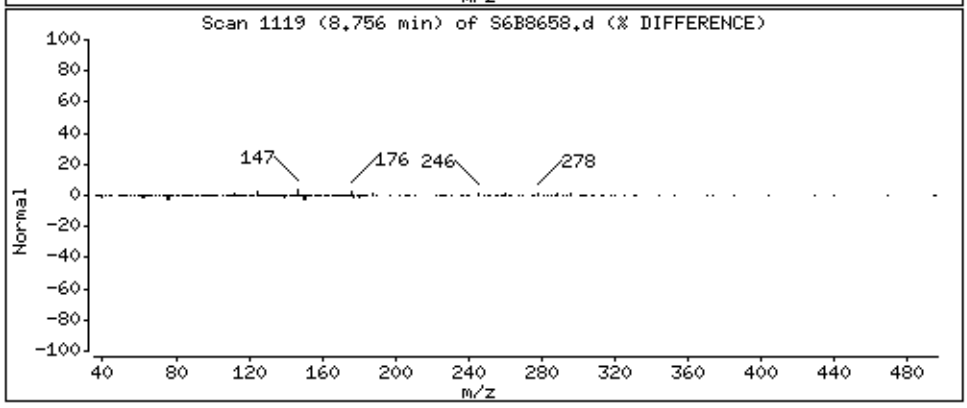












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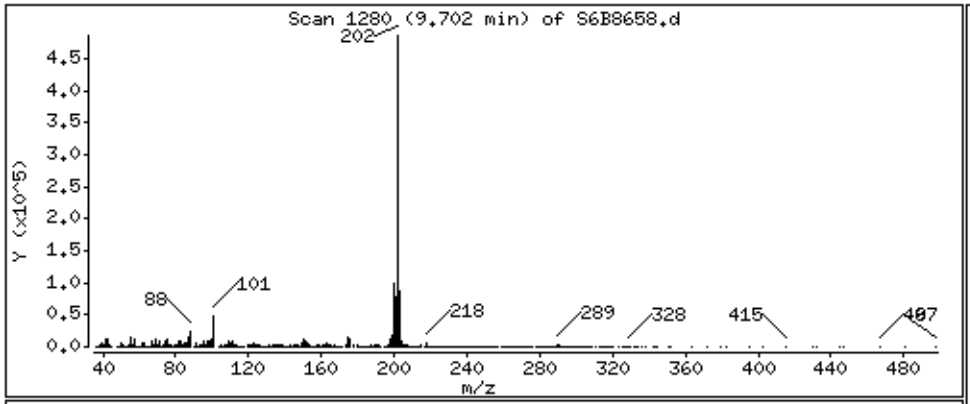
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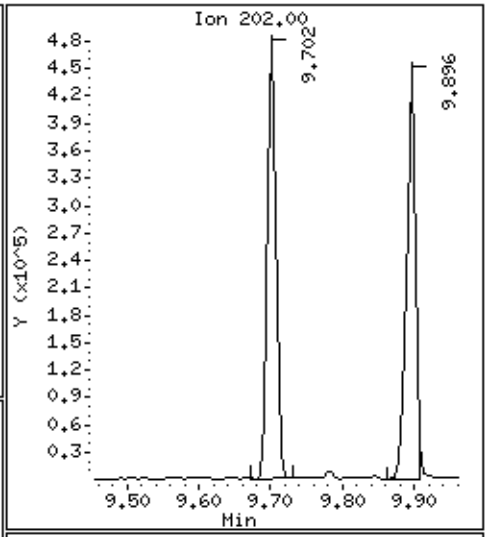
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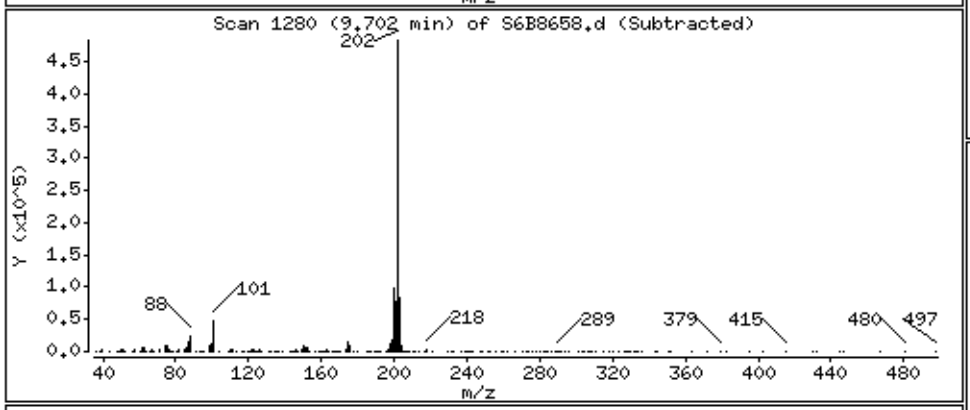
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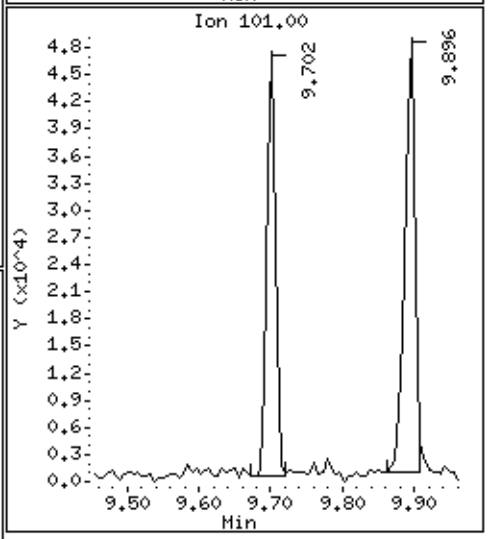
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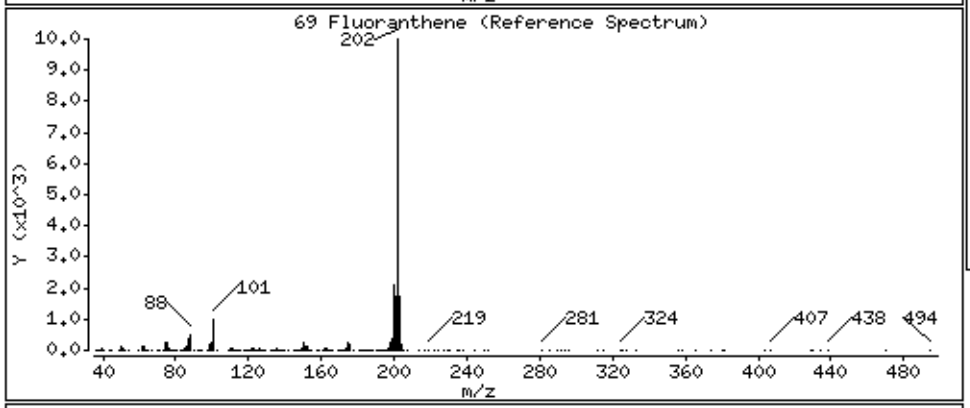
69 Fluoranthene Concentration: 780 ug/Kg

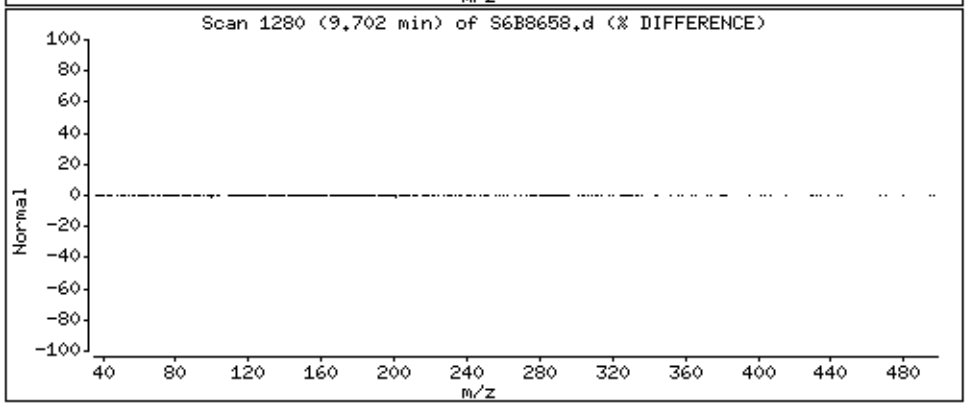












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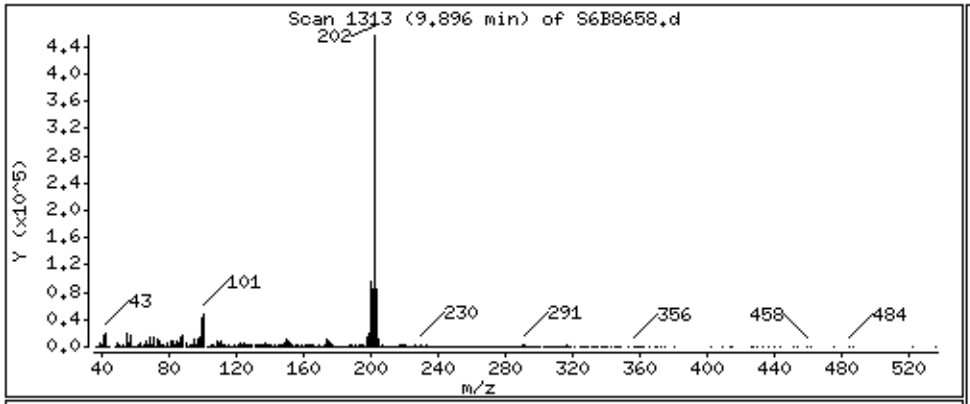
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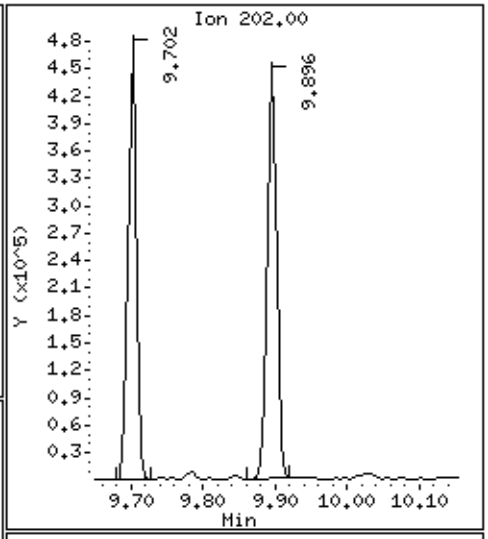
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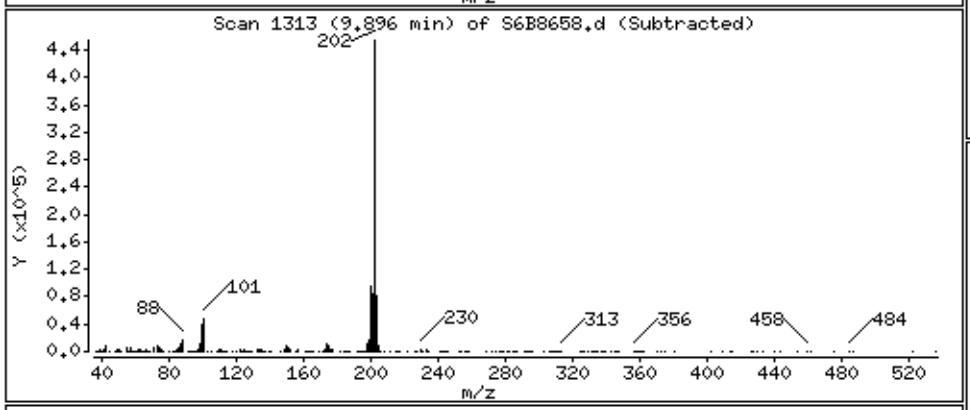
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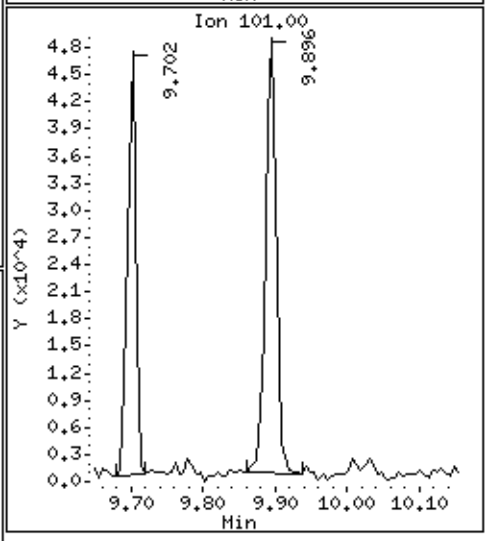
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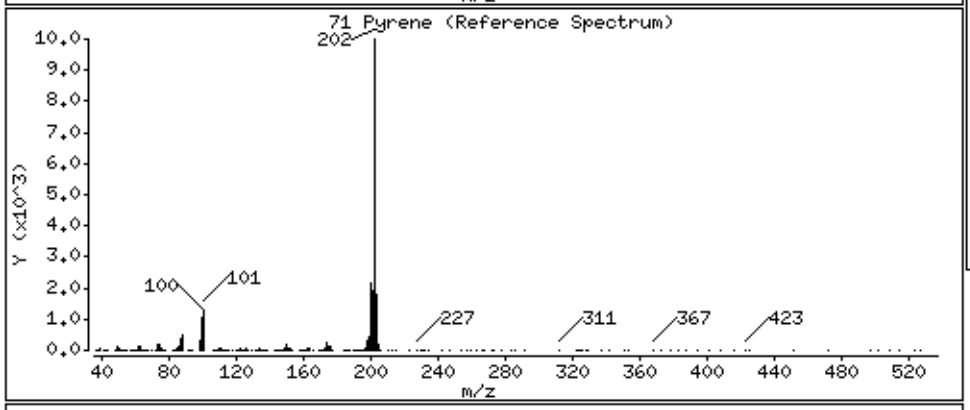
71 Pyrene Concentration: 780 ug/Kg

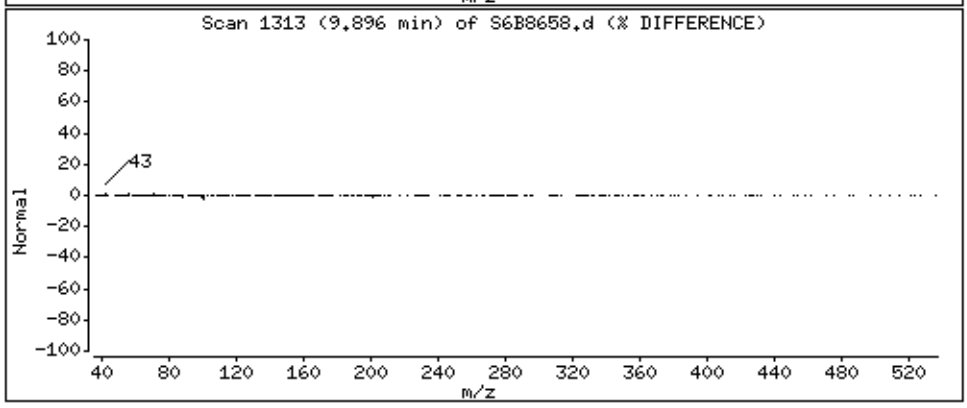












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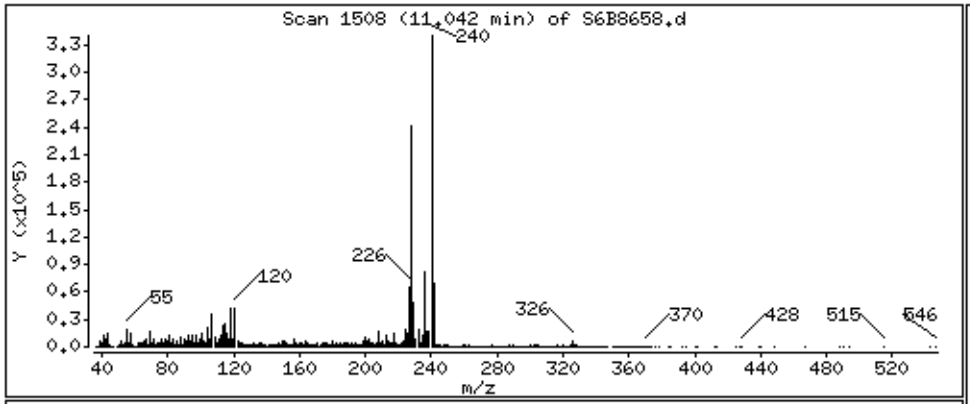
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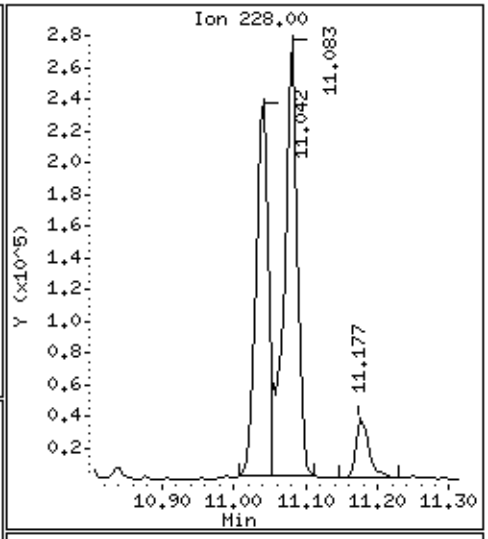
Sample Info: N1194-20A,,78076

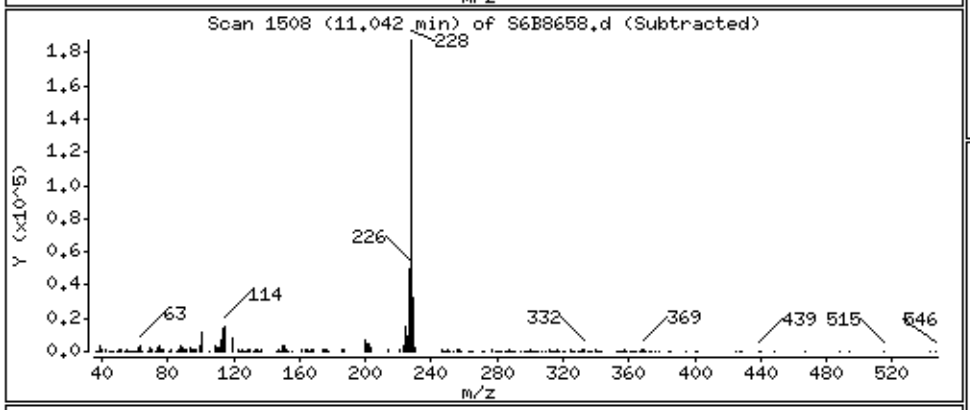
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

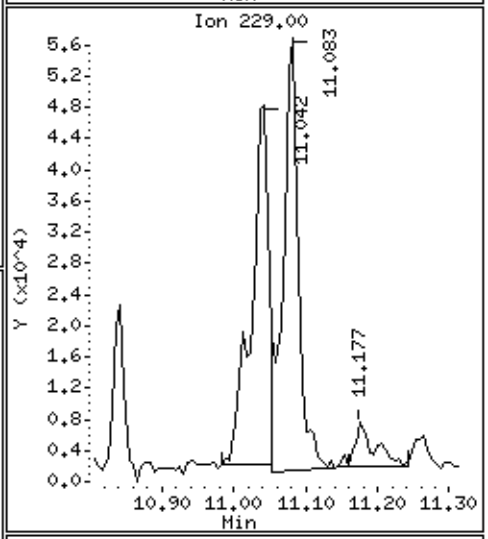
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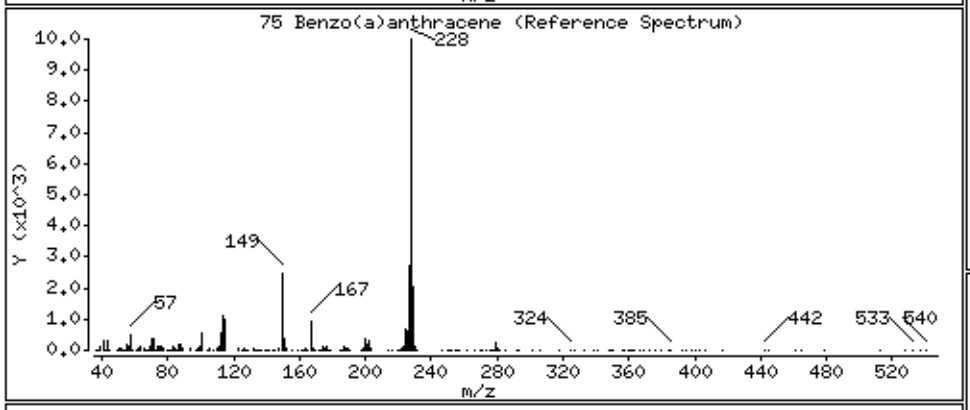
75 Benzo(a)anthracene Concentration: 640 ug/Kg

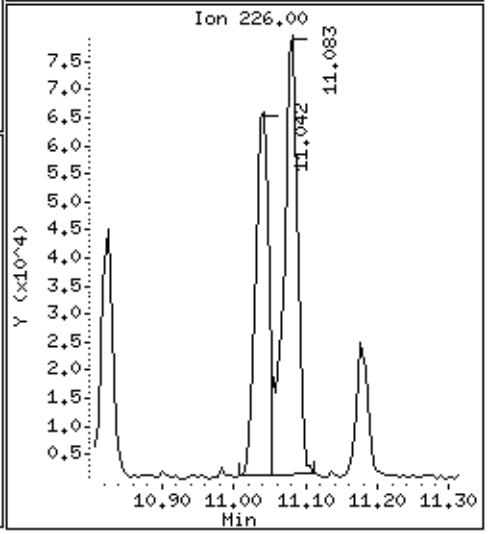


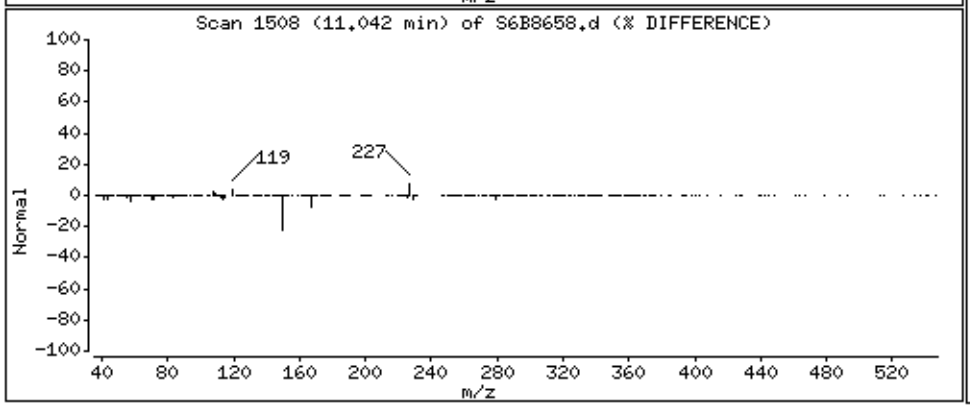












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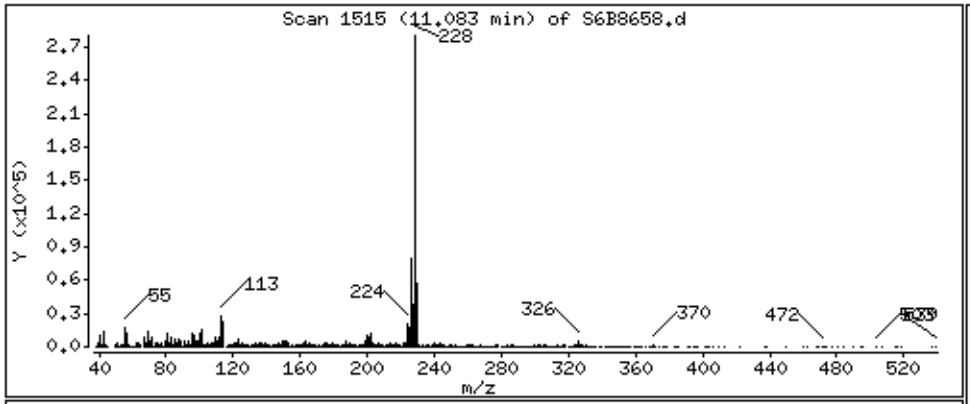
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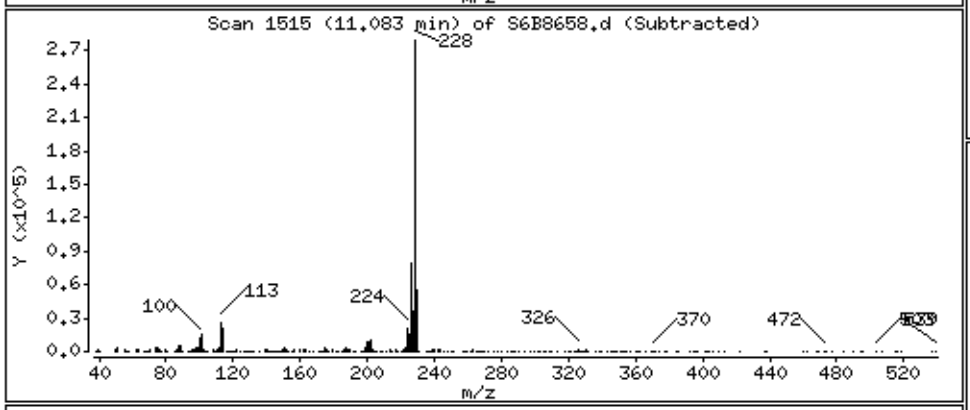
Sample Info: N1194-20A,,78076

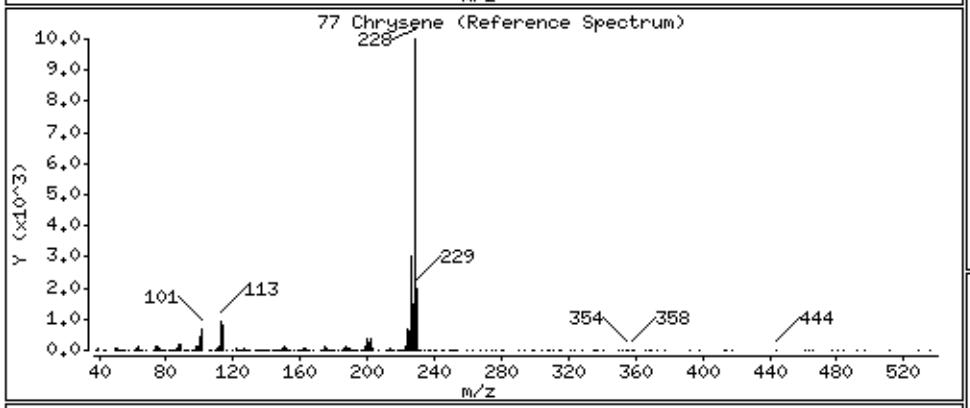
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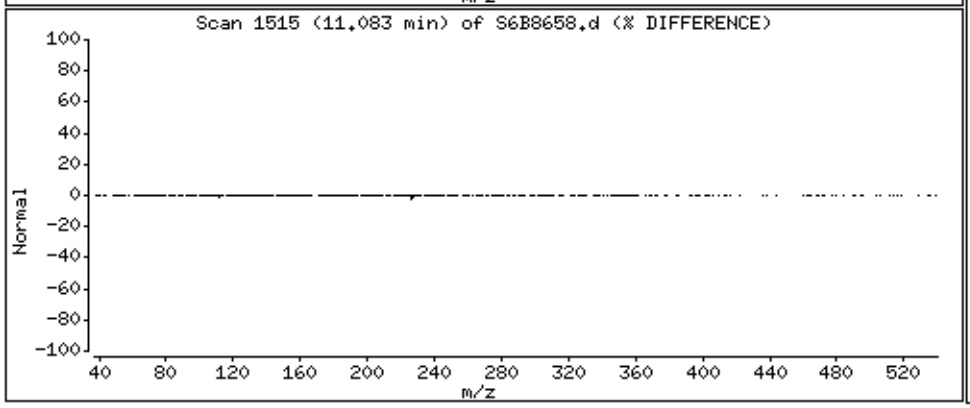
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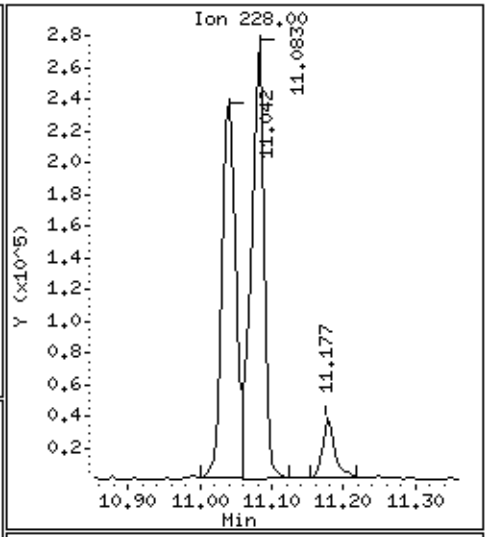
77 Chrysene Concentration: 820 ug/Kg

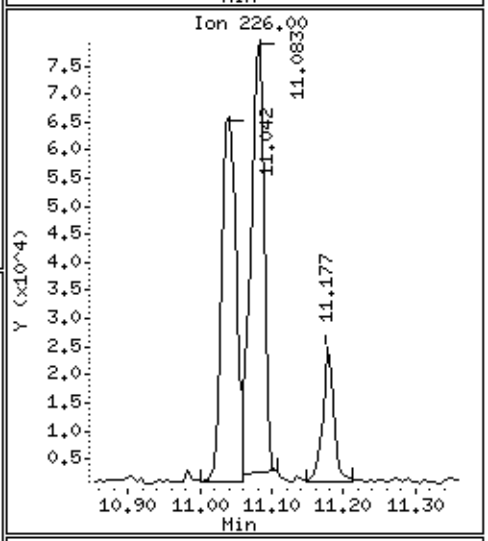


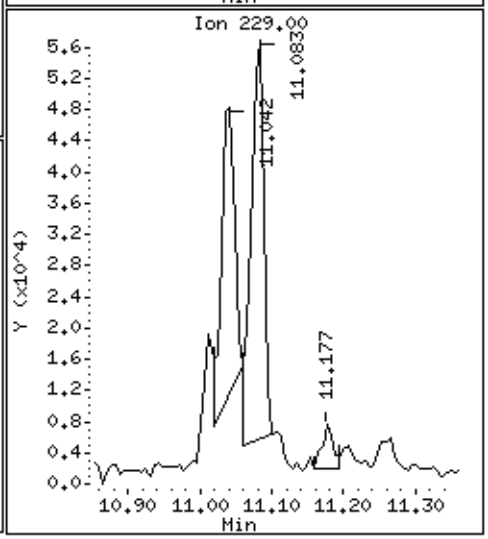












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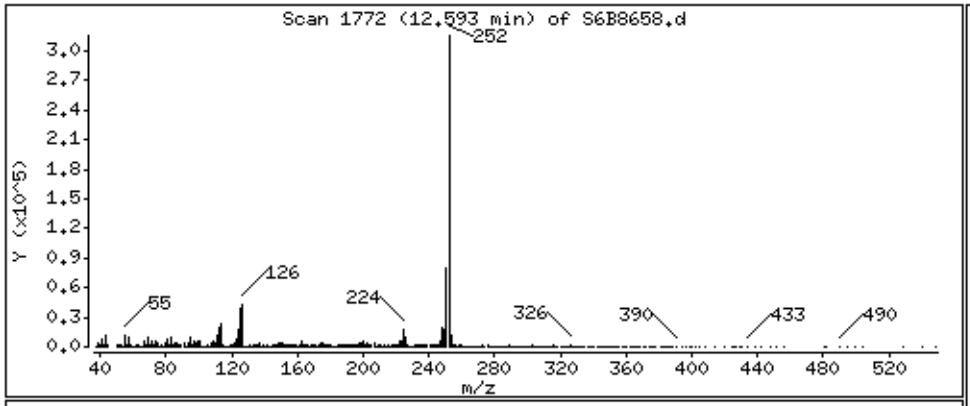
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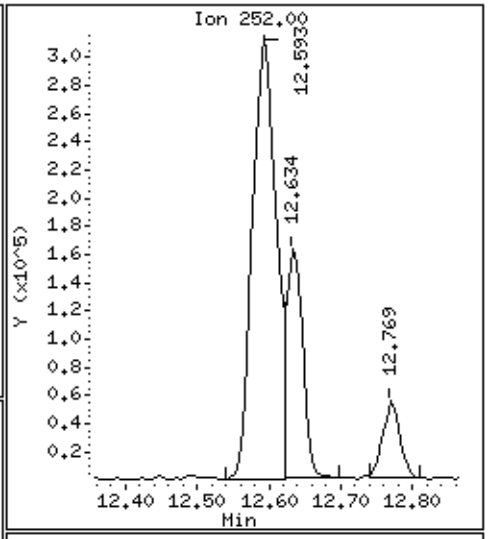
Sample Info: N1194-20A,,78076

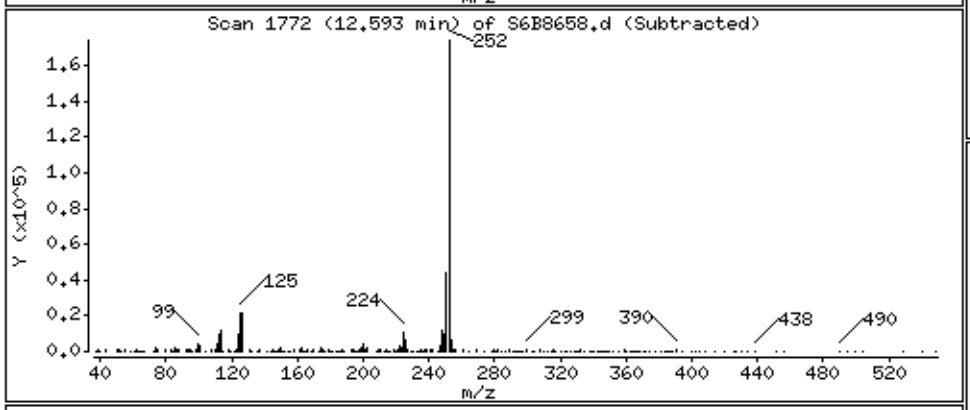
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

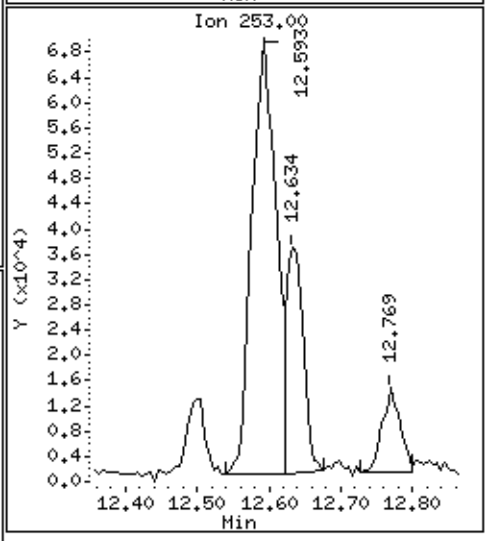
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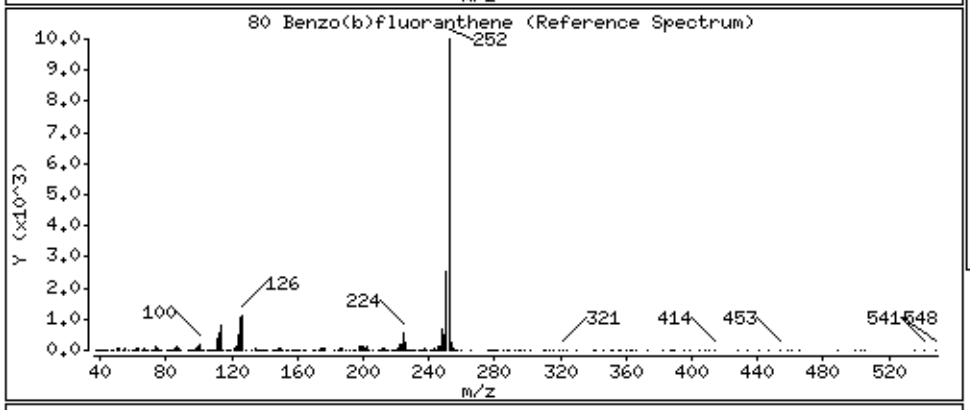
80 Benzo(b)fluoranthene Concentration: 1500 ug/Kg

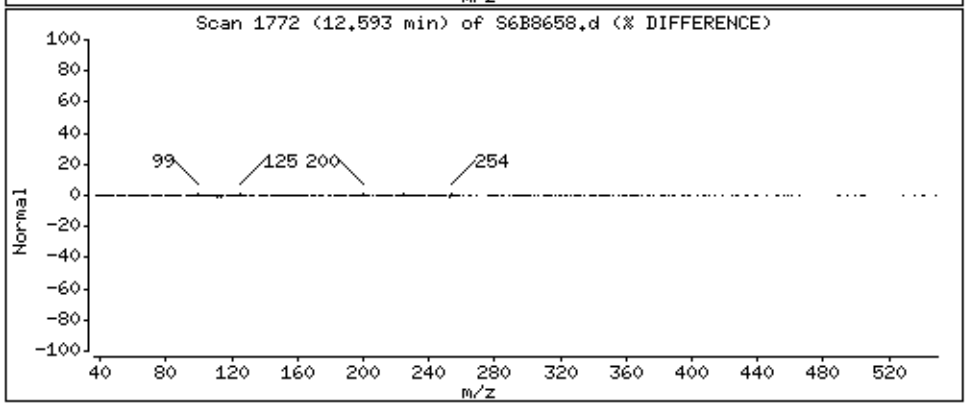












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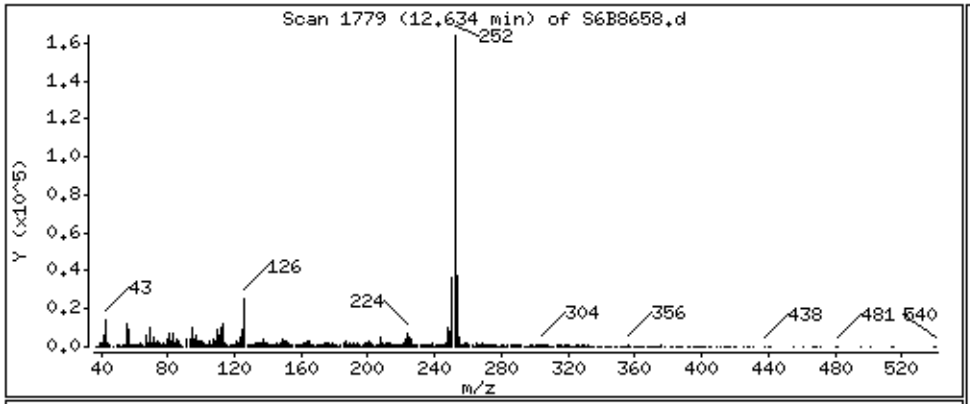
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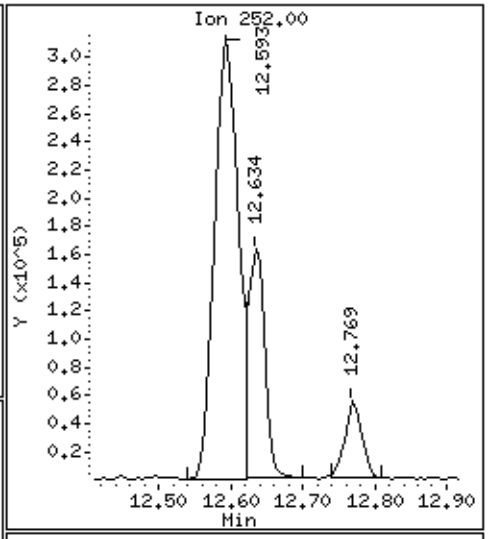
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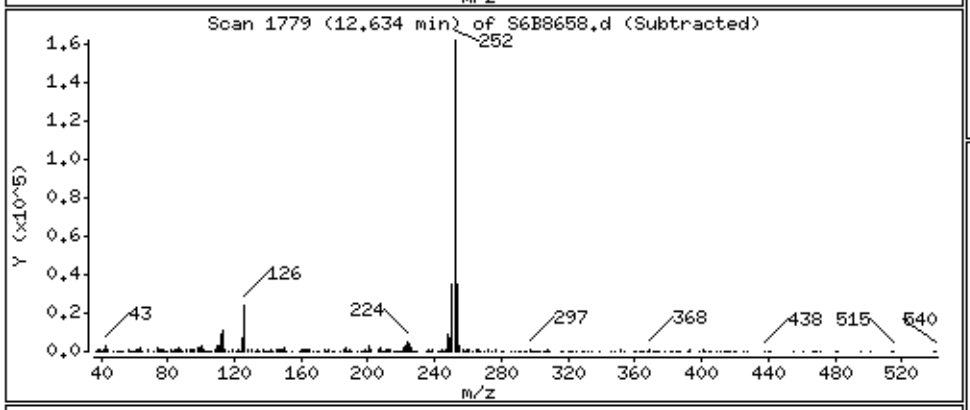
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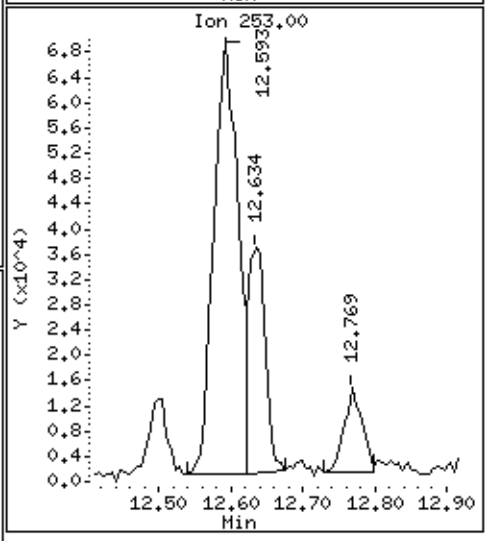
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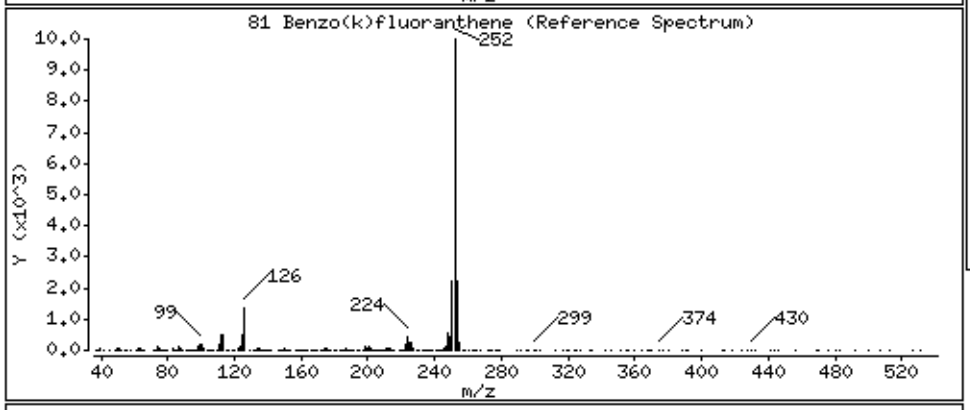
81 Benzo(k)fluoranthene Concentration: 550 ug/Kg

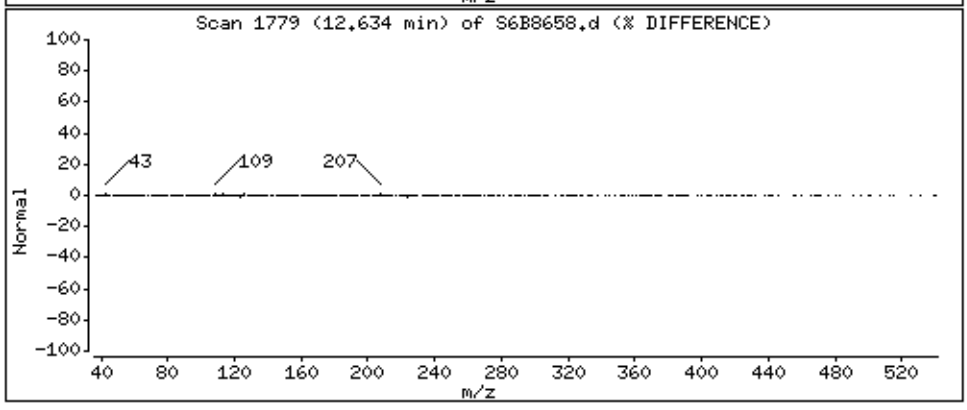












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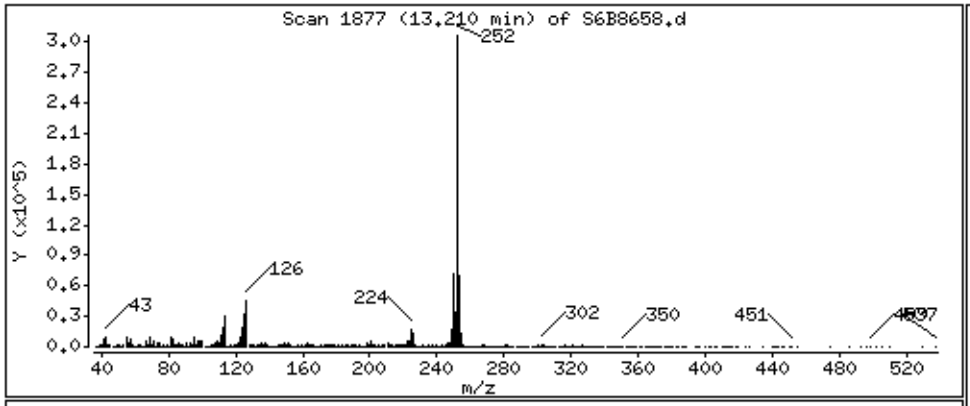
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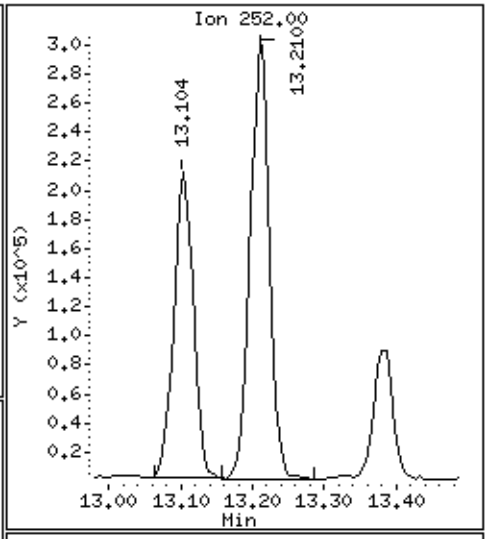
Sample Info: N1194-20A,,78076

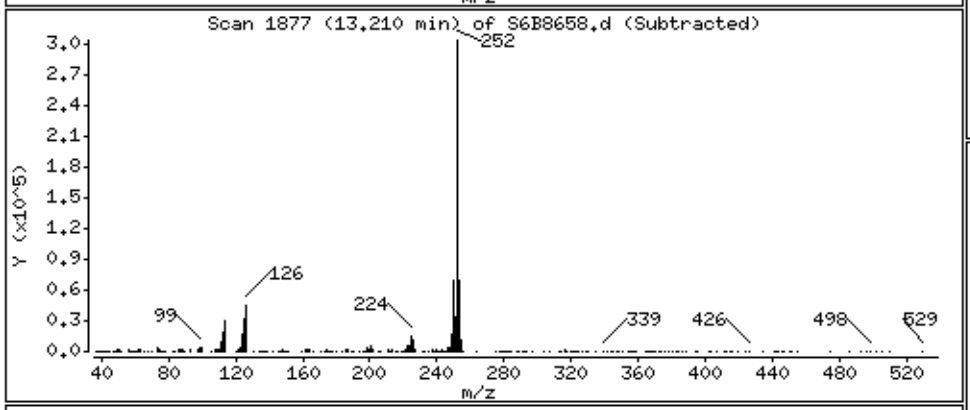
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

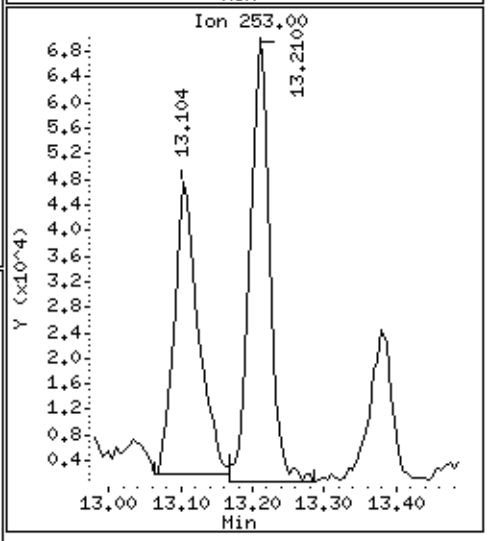
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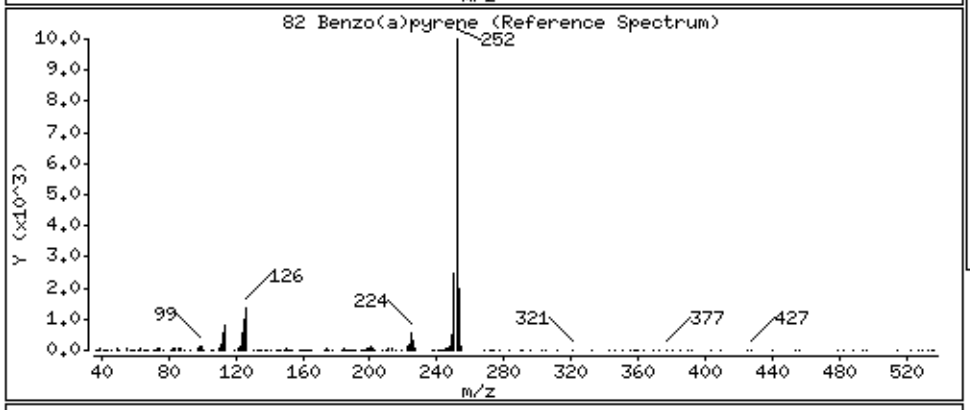
82 Benzo(a)pyrene Concentration: 1200 ug/Kg

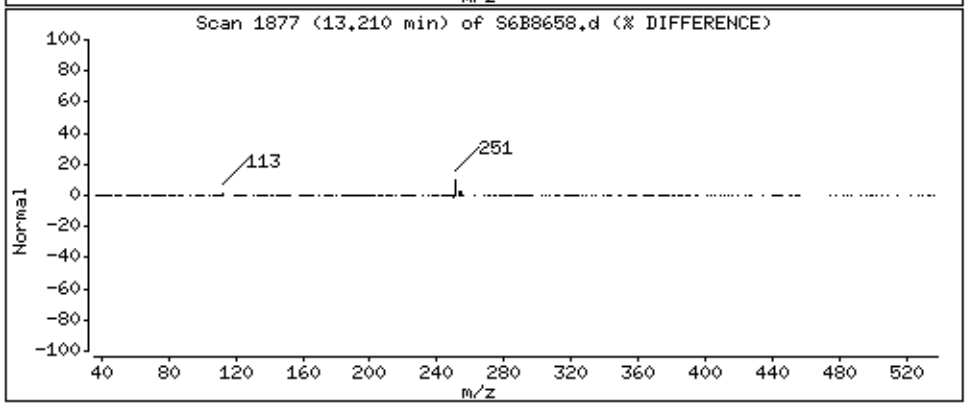












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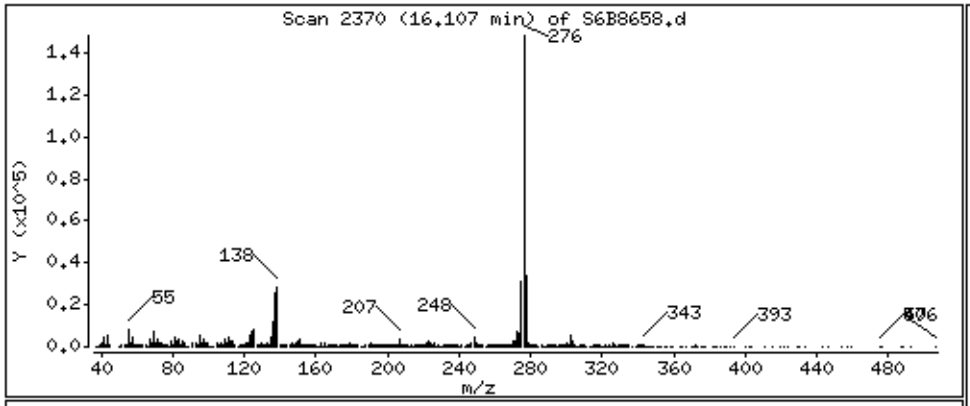
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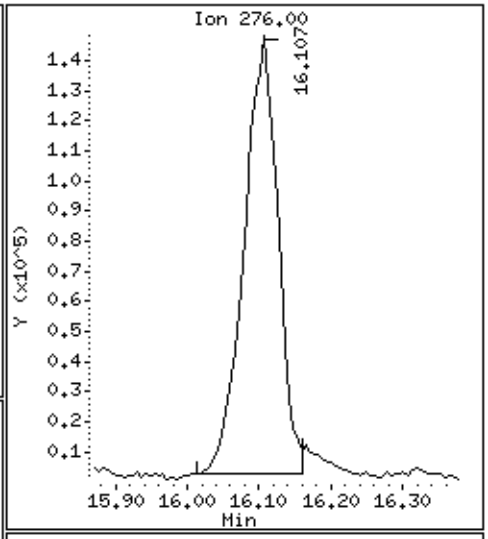
Sample Info: N1194-20A,,78076

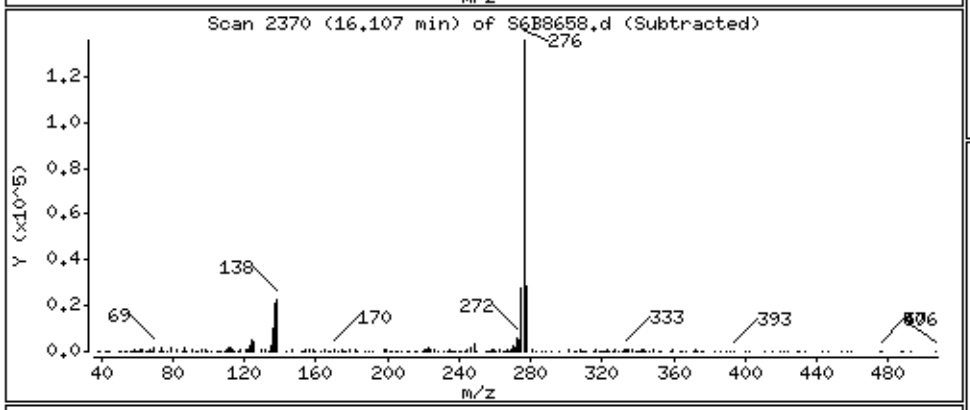
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

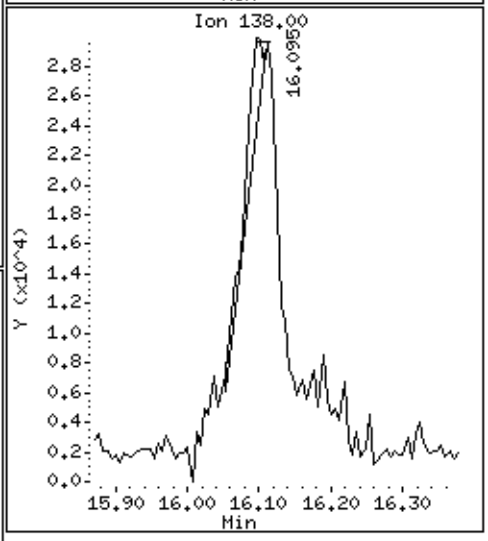
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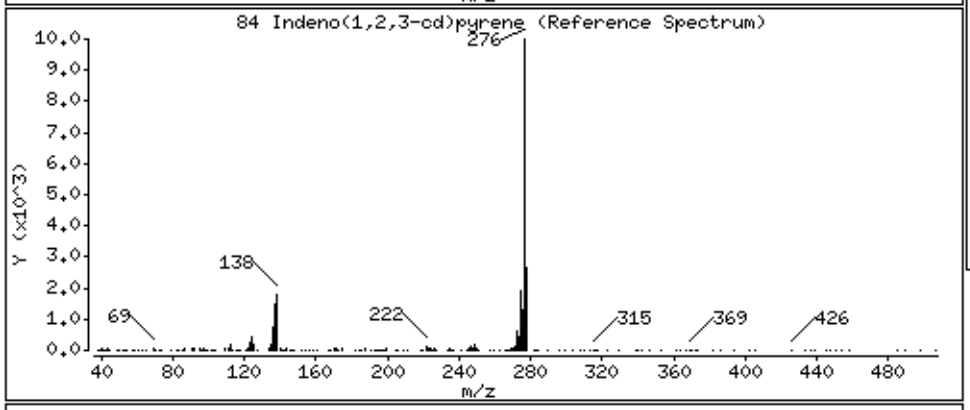
84 Indeno(1,2,3-cd)pyrene Concentration: 1200 ug/Kg

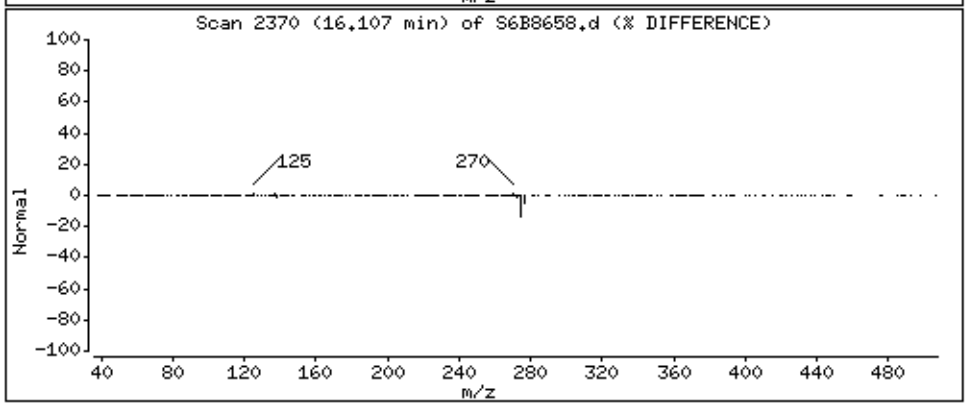












Data File: \\avogadro\organics\S6.I\140718.B\S6B8658.d

Date : 18-JUL-2014 15:06

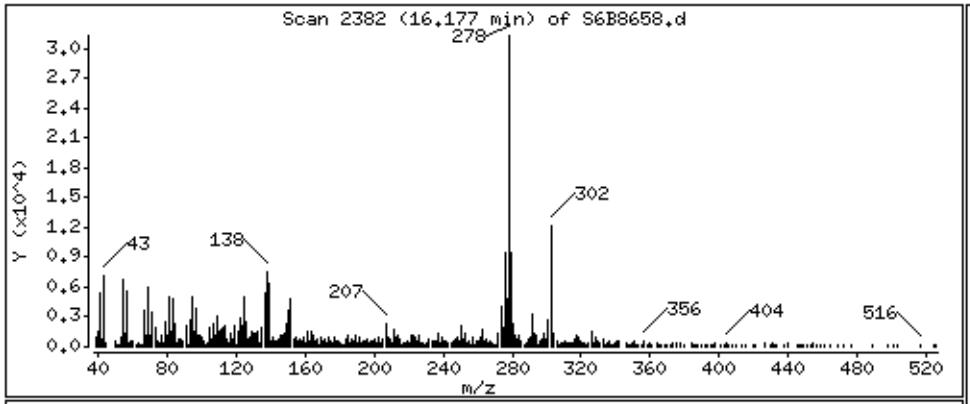
Client ID: SS-28-071014 Instrument: S6.i

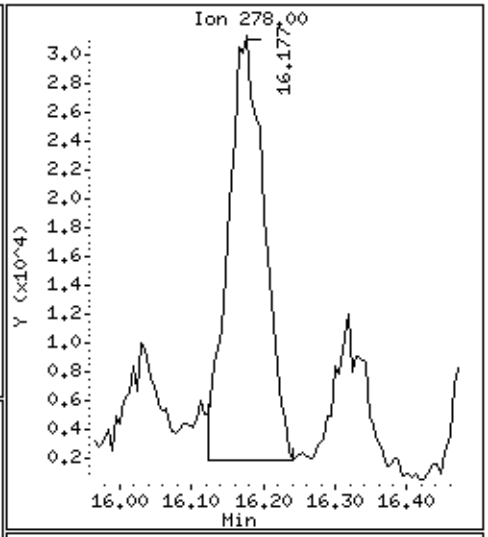
Sample Info: N1194-20A,,78076

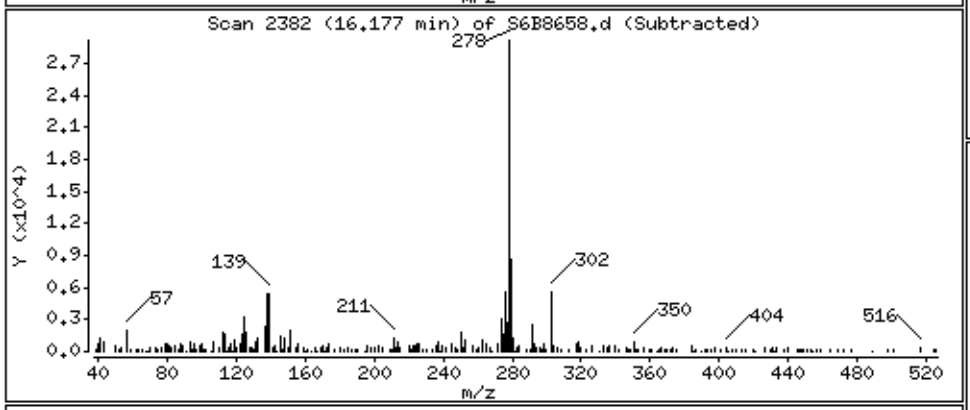
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

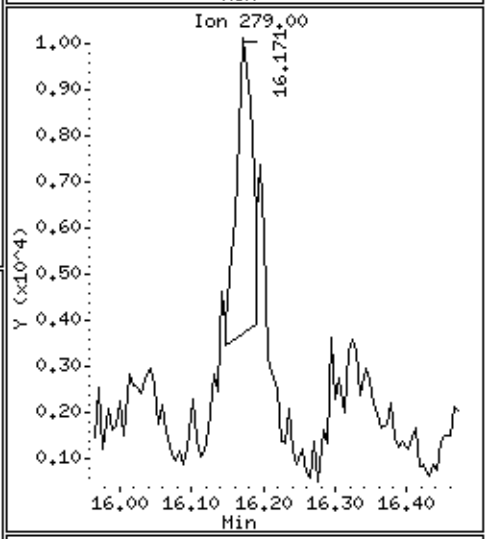
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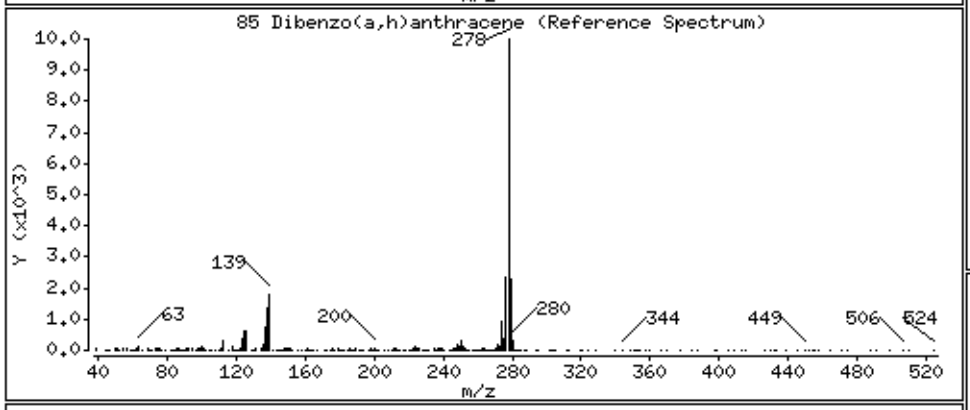
85 Dibenzo(a,h)anthracene Concentration: 270 ug/Kg

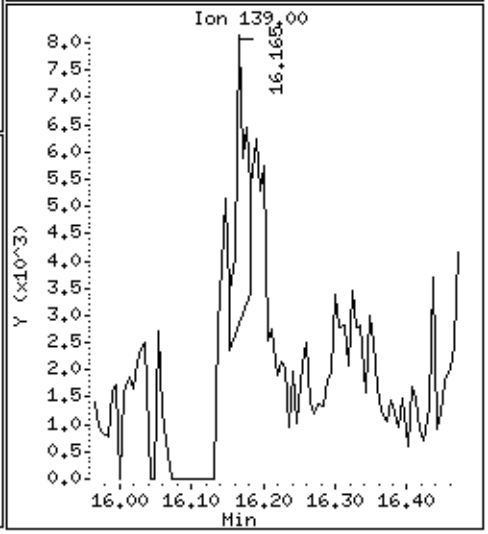


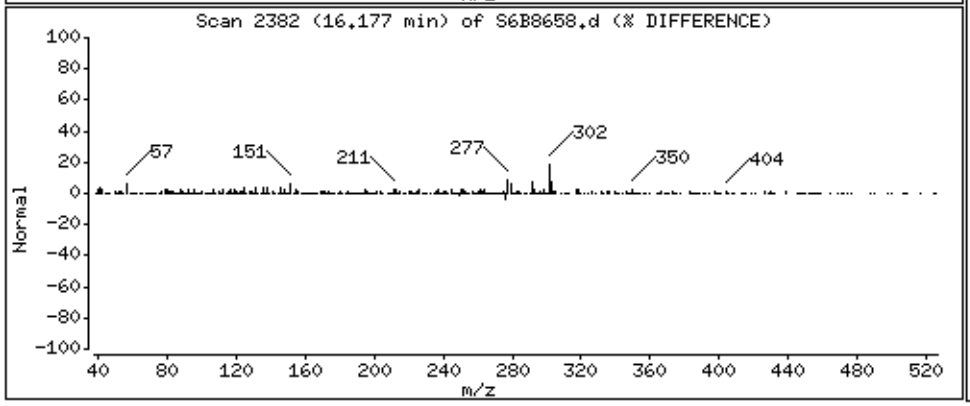












Data File: \\avogadro\organics\S6.I\140718.B\S6B8658.d

Date : 18-JUL-2014 15:06

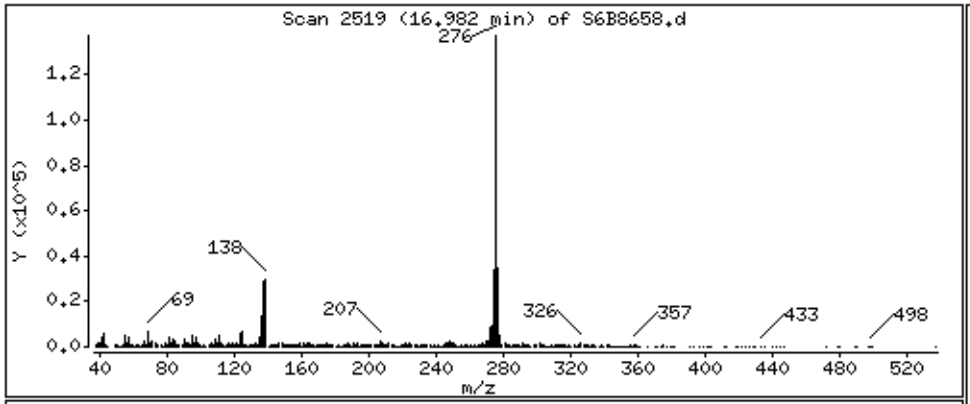
Client ID: SS-28-071014 Instrument: S6.i

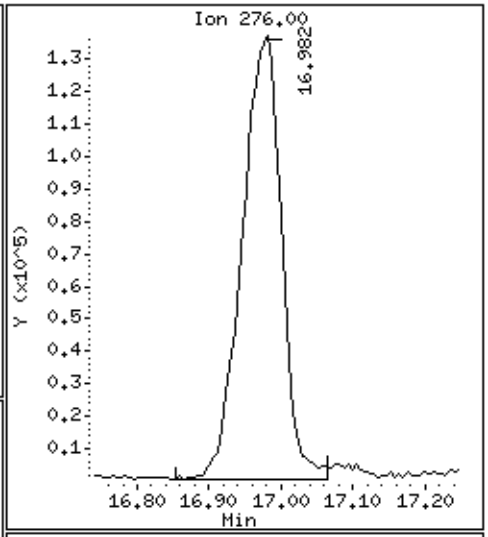
Sample Info: N1194-20A,,78076

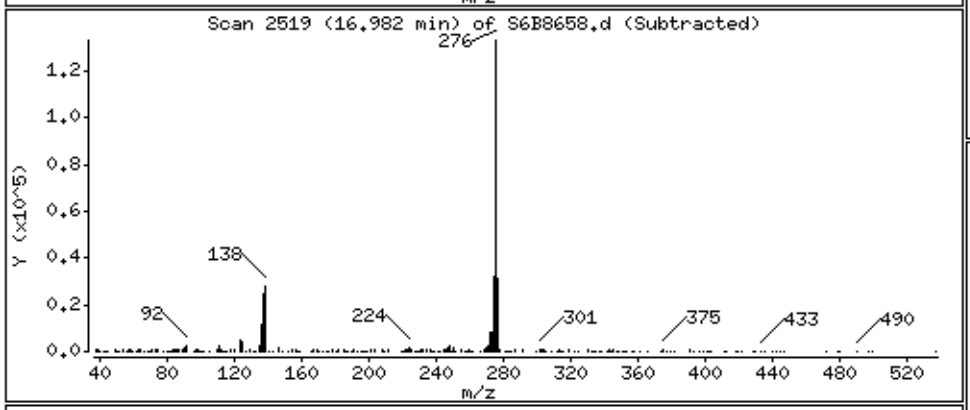
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

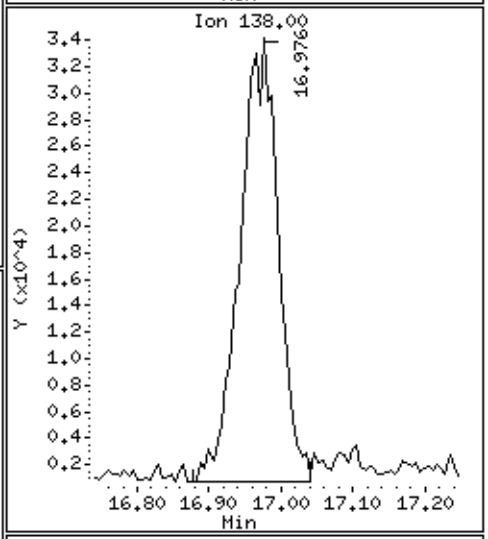
Column phase: Rxi-5Sil MS Column diameter: 0.25

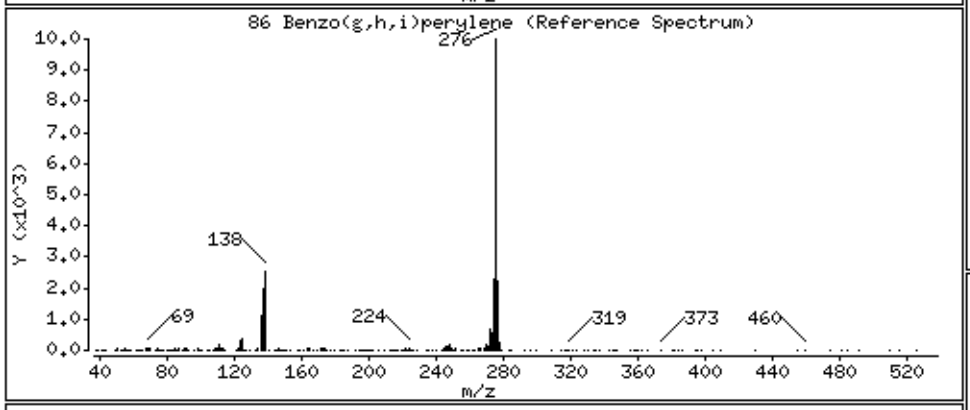
86 Benzo(g,h,i)perylene Concentration: 1300 ug/Kg

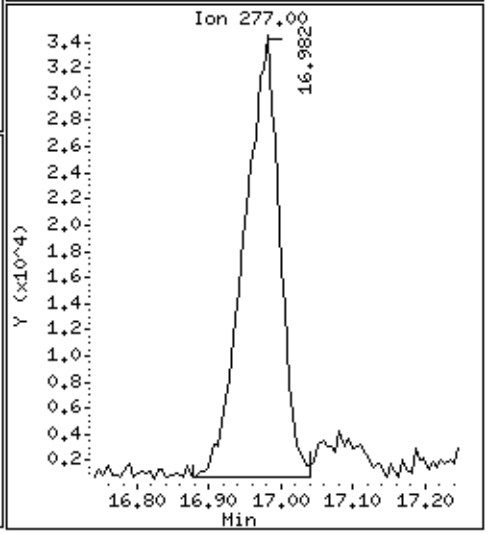


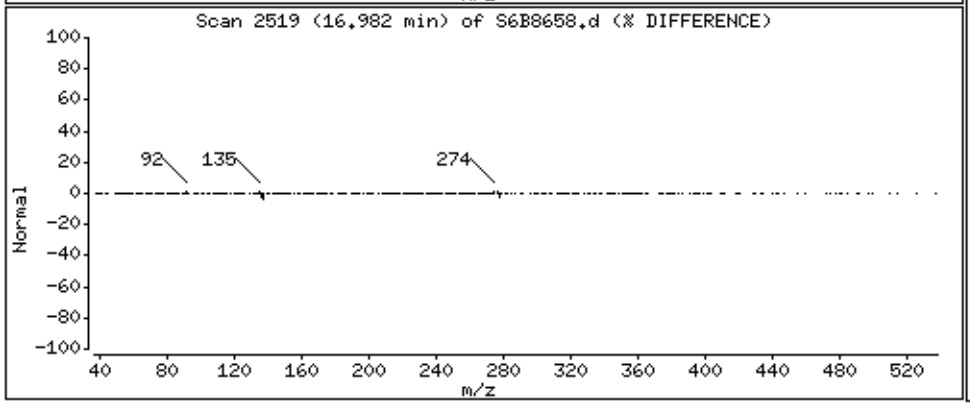












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-29-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-21A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8659.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	150	J
86-73-7	Fluorene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	440	
120-12-7	Anthracene	130	J
206-44-0	Fluoranthene	970	
129-00-0	Pyrene	990	
56-55-3	Benzo(a)anthracene	930	
218-01-9	Chrysene	1000	
205-99-2	Benzo(b)fluoranthene	1900	
207-08-9	Benzo(k)fluoranthene	680	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
53-70-3	Dibenzo(a,h)anthracene	330	J
191-24-2	Benzo(g,h,i)perylene	1500	

Data File: \\avogadro\organics\S6.I\140718.B\S6B8659.d
Report Date: 21-Jul-2014 13:14

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140718.B\S6B8659.d
Lab Smp Id: N1194-21A Client Smp ID: SS-29-071014
Inj Date : 18-JUL-2014 15:29
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-21A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140718.B\S6_8270C_N.m
Meth Date : 21-Jul-2014 13:13 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.100	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.808	3.803	(0.773)	206442	23.2241	1500
$	5 Phenol-d5	99	4.625	4.625	(0.939)	255351	22.5017	1500
*	12 1,4-Dichlorobenzene-d4	152	4.925	4.925	(1.000)	268364	40.0000	
$	22 Nitrobenzene-d5	82	5.395	5.395	(0.899)	253732	27.1228	1800
*	31 Naphthalene-d8	136	6.000	6.000	(1.000)	907622	40.0000	
$	41 2-Fluorobiphenyl	172	6.893	6.893	(0.924)	540453	26.9206	1800
*	48 Acenaphthene-d10	164	7.463	7.463	(1.000)	573673	40.0000	
	49 Acenaphthene	153	7.486	7.492	(1.003)	35026	2.00778	130(a)
$	60 2,4,6-Tribromophenol	330	8.115	8.115	(0.934)	66047	25.7164	1700
*	64 Phenanthrene-d10	188	8.691	8.697	(1.000)	1115584	40.0000	
	65 Phenanthrene	178	8.709	8.715	(1.002)	170887	5.67280	380(a)
	66 Anthracene	178	8.756	8.756	(1.007)	52933	1.72462	110(a)
	69 Fluoranthene	202	9.702	9.708	(1.116)	435194	12.6231	840
	71 Pyrene	202	9.895	9.901	(0.895)	428790	12.8286	850
$	72 Terphenyl-d14	244	10.013	10.019	(0.906)	595035	27.4090	1800
	75 Benzo(a)anthracene	228	11.041	11.059	(0.999)	375368	12.1142	800
*	76 Chrysene-d12	240	11.053	11.077	(1.000)	1085245	40.0000	
	77 Chrysene	228	11.082	11.106	(1.003)	382818	13.4611	890
	80 Benzo(b)fluoranthene	252	12.592	12.610	(0.944)	772489	24.2046	1600

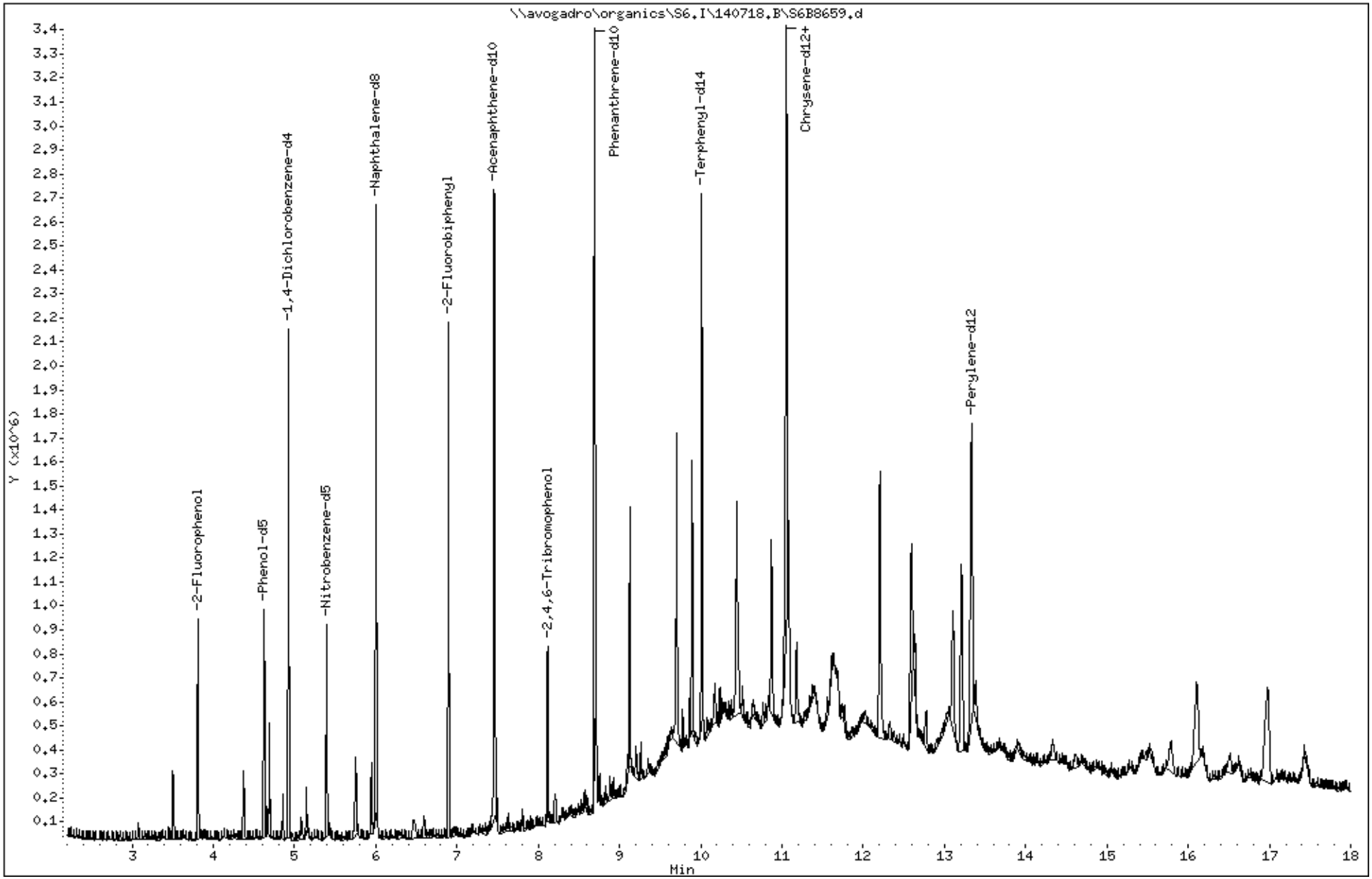
Data File: \\avogadro\organics\S6.I\140718.B\S6B8659.d
Report Date: 21-Jul-2014 13:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
81	Benzo(k)fluoranthene	252	12.633	12.663	(0.948)	287621	8.87594	590(a)
82	Benzo(a)pyrene	252	13.209	13.233	(0.991)	603429	19.8175	1300
* 83	Perylene-d12	264	13.333	13.356	(1.000)	1085538	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.100	16.124	(1.208)	530081	19.9517	1300
85	Dibenzo(a,h)anthracene	278	16.165	16.218	(1.212)	111755	4.32336	290(aQ)
86	Benzo(g,h,i)perylene	276	16.981	16.993	(1.274)	527091	19.2110	1300

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\avogadro\organics\S6.I\140718.B\S6B8659.d
Date : 18-JUL-2014 15:29
Client ID: SS-29-071014
Instrument: S6.i
Sample Info: N1194-21A,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140718.B\S6B8659.d

Date : 18-JUL-2014 15:29

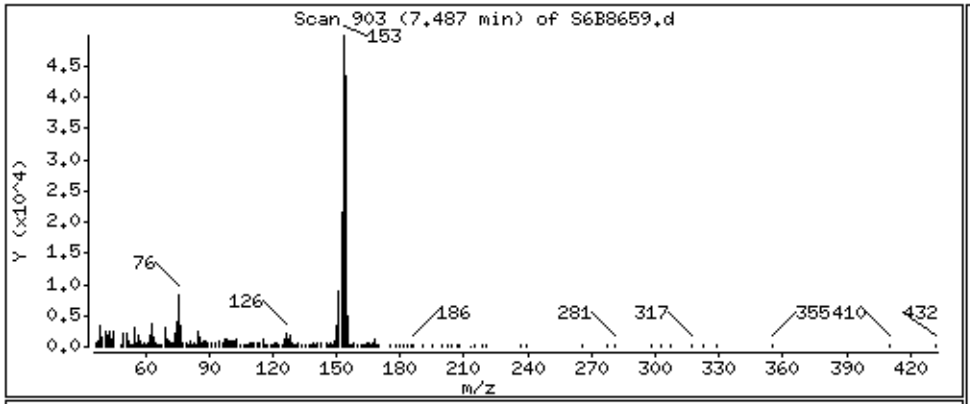
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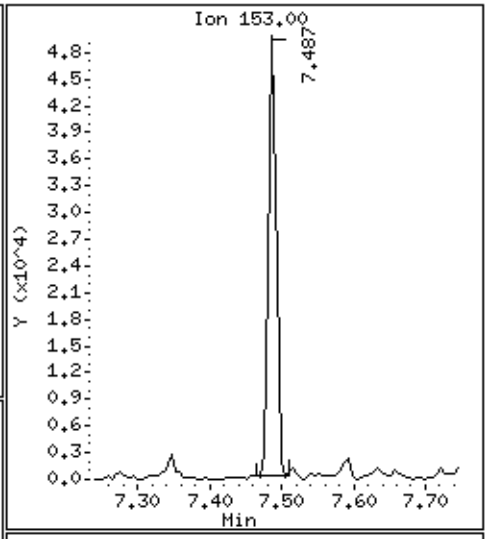
Sample Info: N1194-21A,,78076

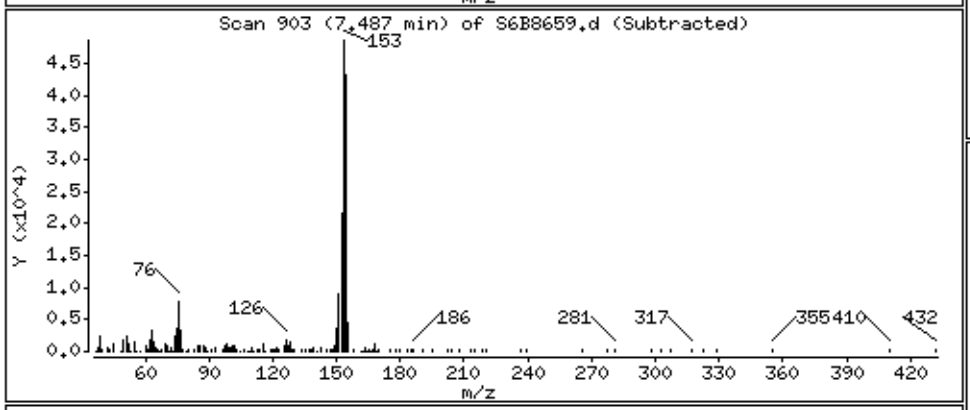
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

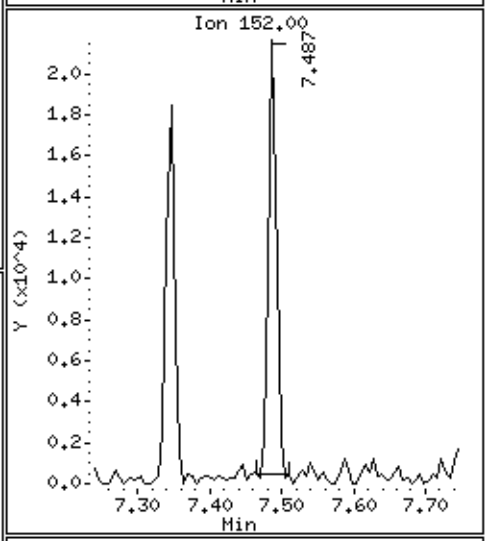
Column phase: Rxi-5Sil MS Column diameter: 0.25

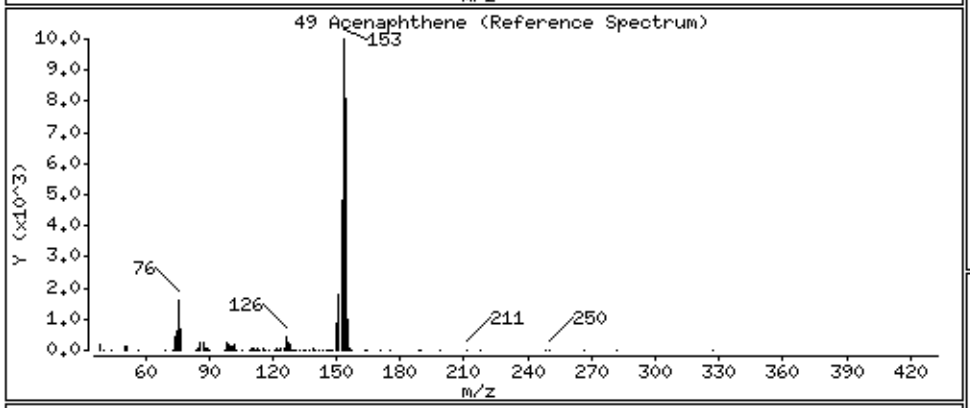
49 Acenaphthene Concentration: 130 ug/Kg

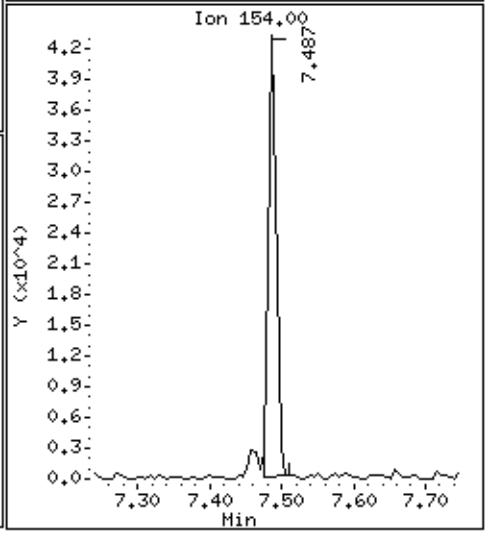


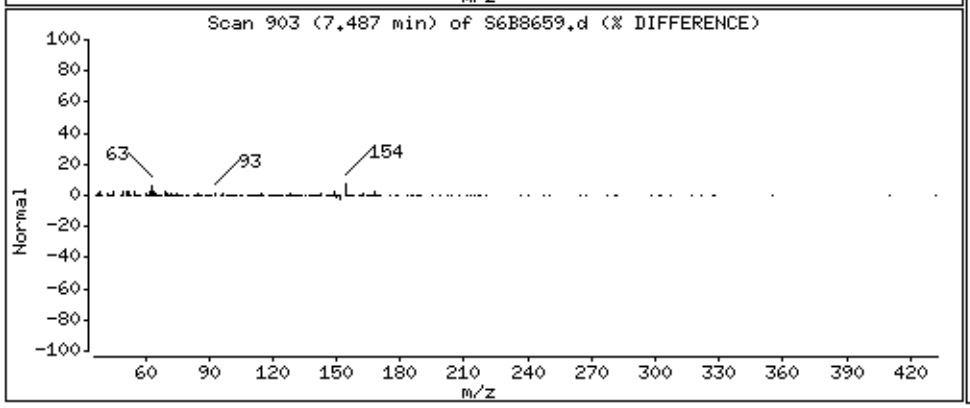












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Date : 18-JUL-2014 15:29

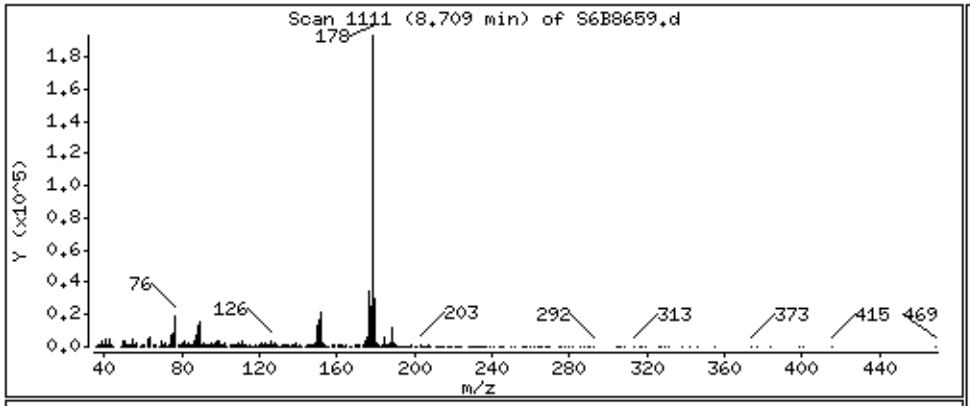
Client ID: SS-29-071014 Instrument: S6.i

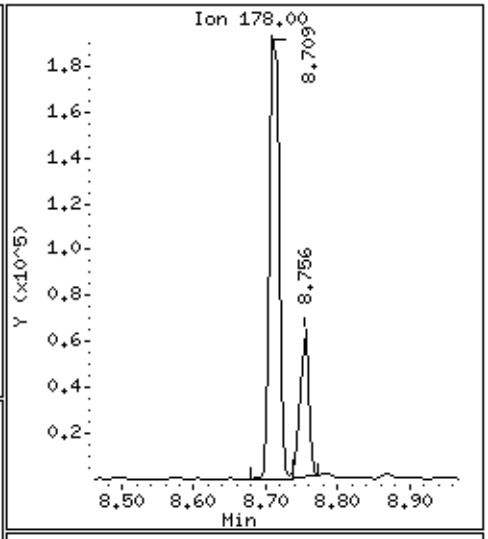
Sample Info: N1194-21A,,78076

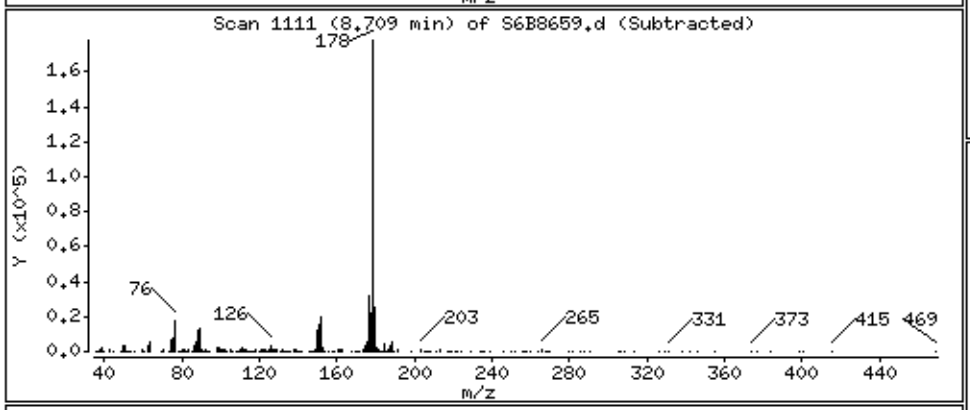
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

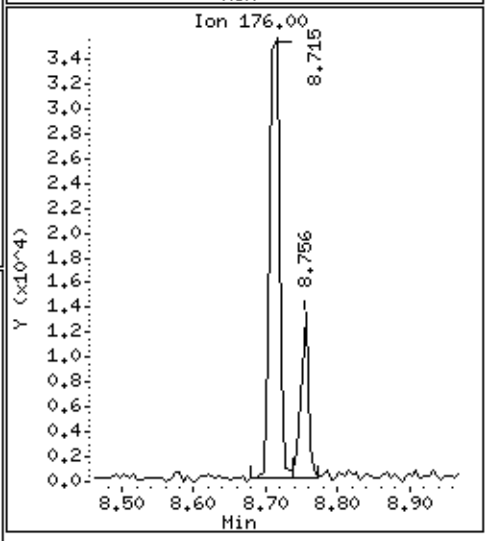
Column phase: Rxi-5Sil MS Column diameter: 0.25

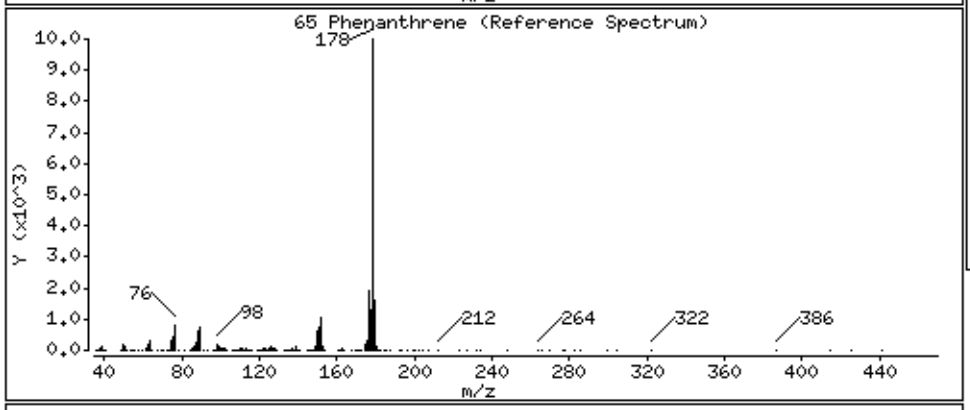
65 Phenanthrene Concentration: 380 ug/Kg

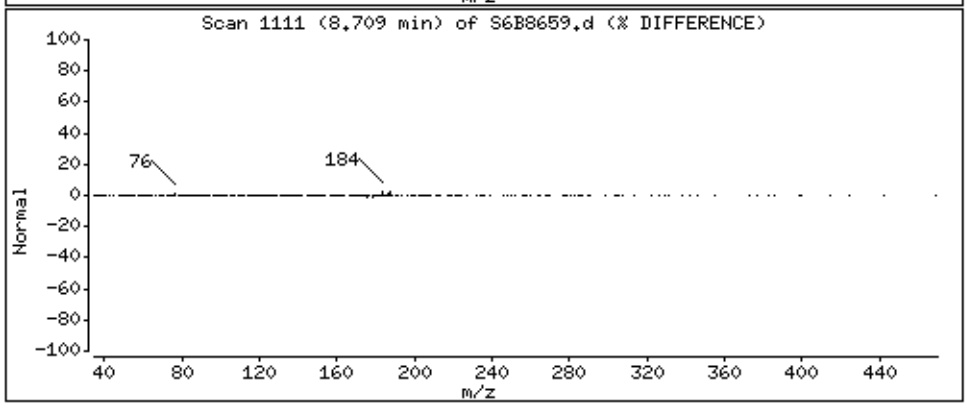












Data File: \\avogadro\organics\S6.I\140718.B\S6B8659.d

Date : 18-JUL-2014 15:29

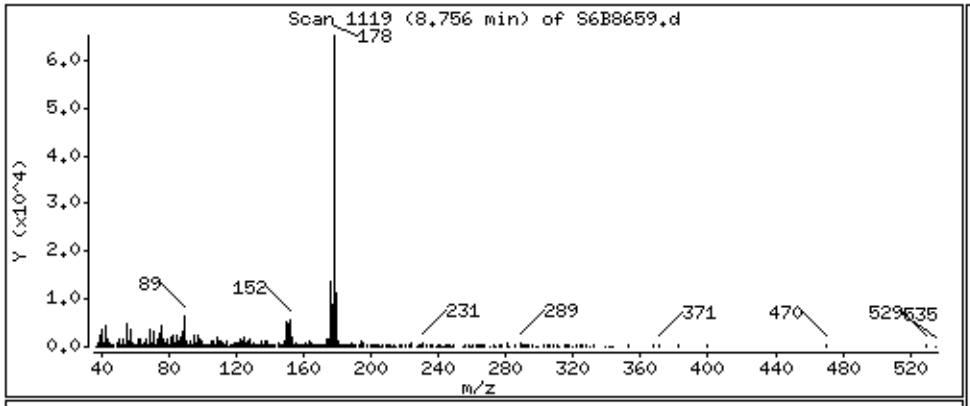
Client ID: SS-29-071014 Instrument: S6.i

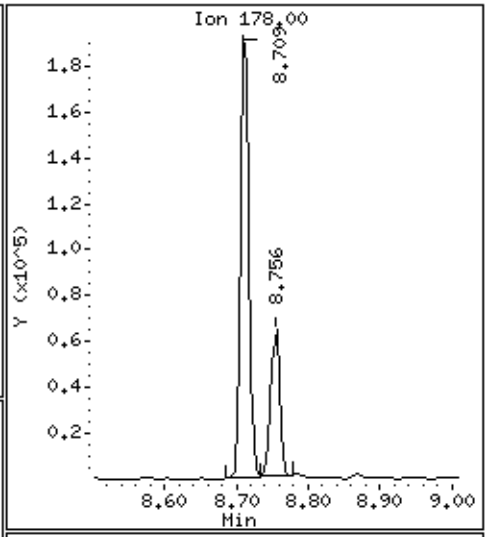
Sample Info: N1194-21A,,78076

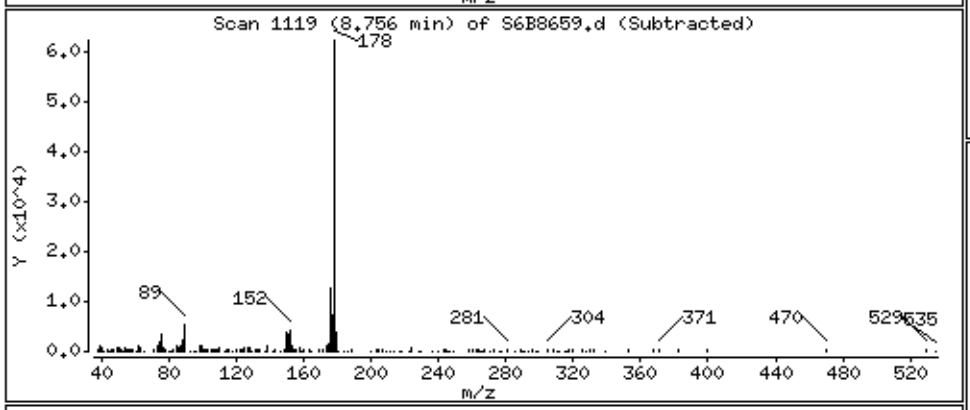
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

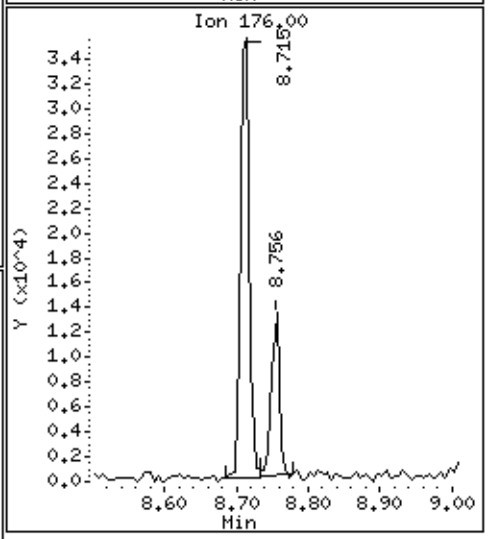
Column phase: Rxi-5Sil MS Column diameter: 0.25

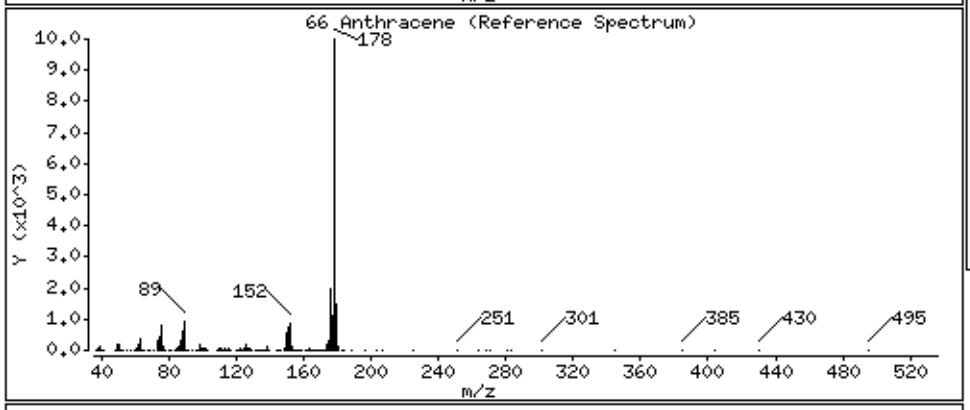
66 Anthracene Concentration: 110 ug/Kg

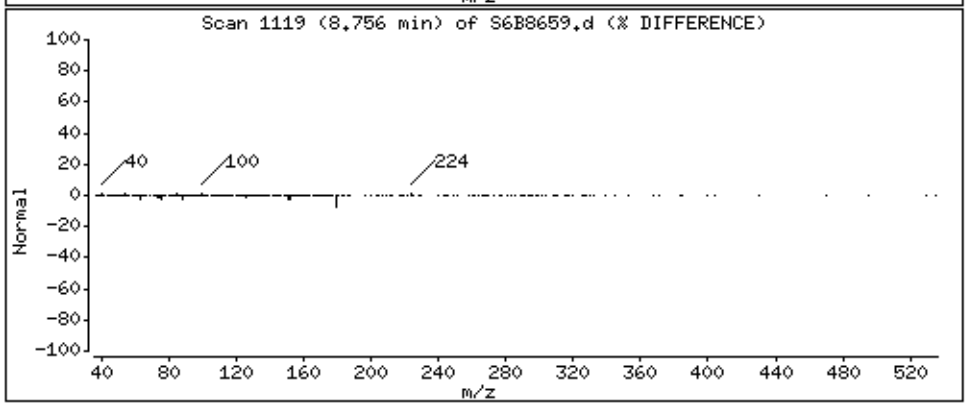












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Date : 18-JUL-2014 15:29

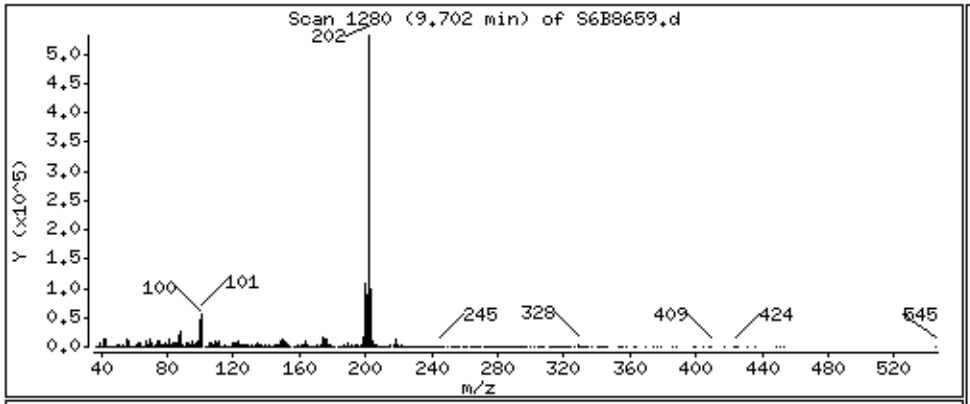
Client ID: SS-29-071014 Instrument: S6.i

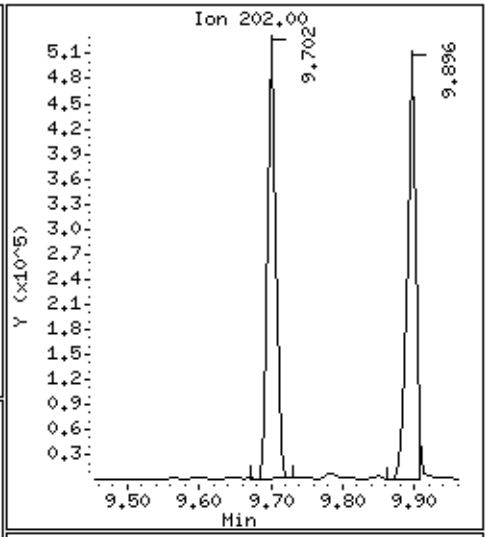
Sample Info: N1194-21A,,78076

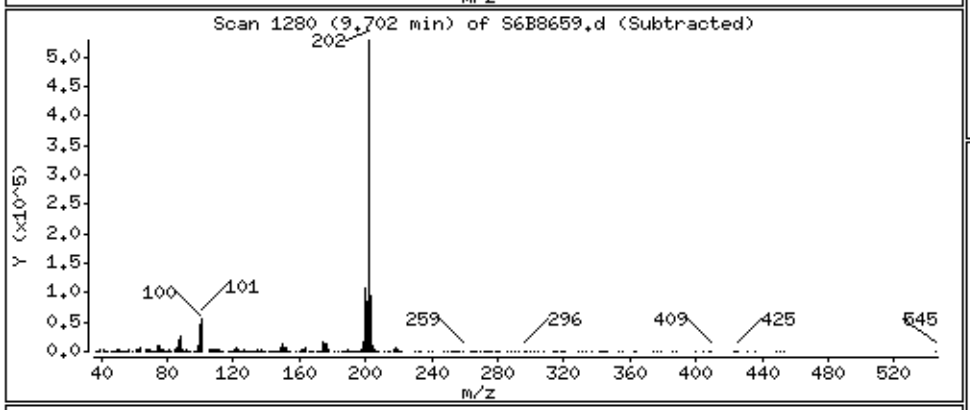
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

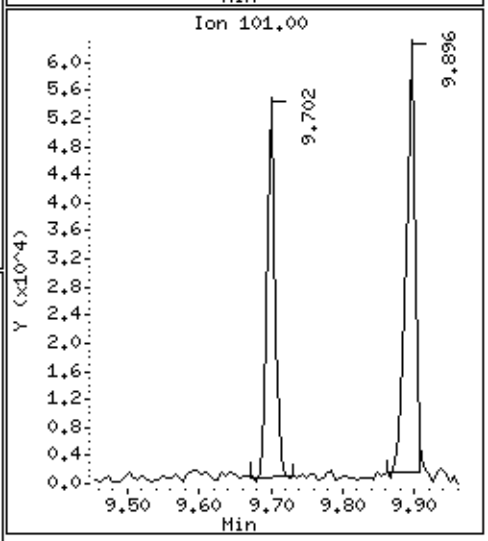
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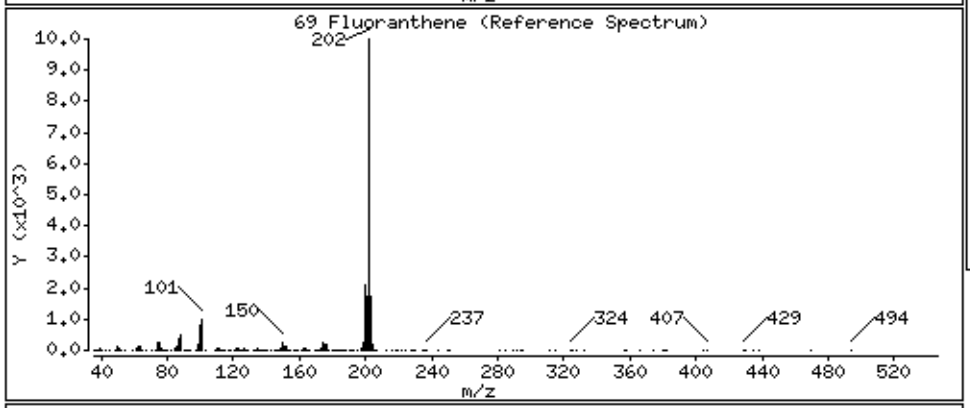
69 Fluoranthene Concentration: 840 ug/Kg

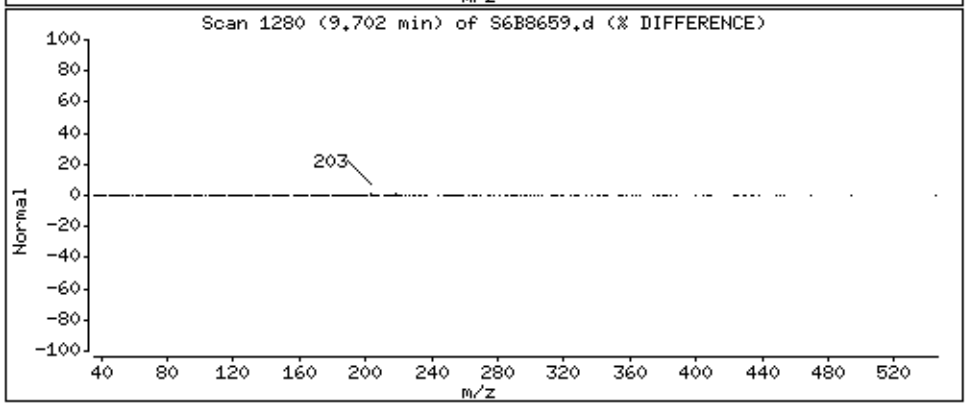












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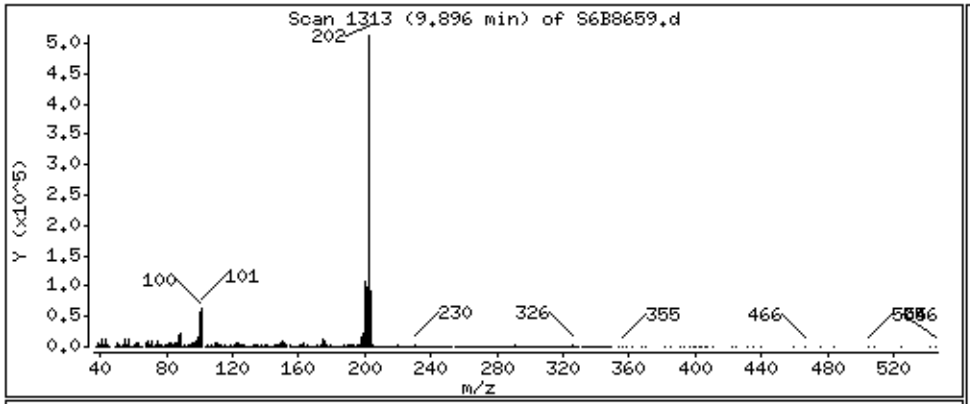
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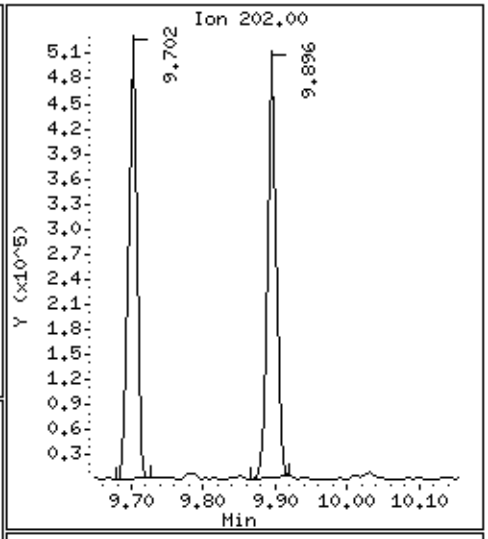
Sample Info: N1194-21A,,78076

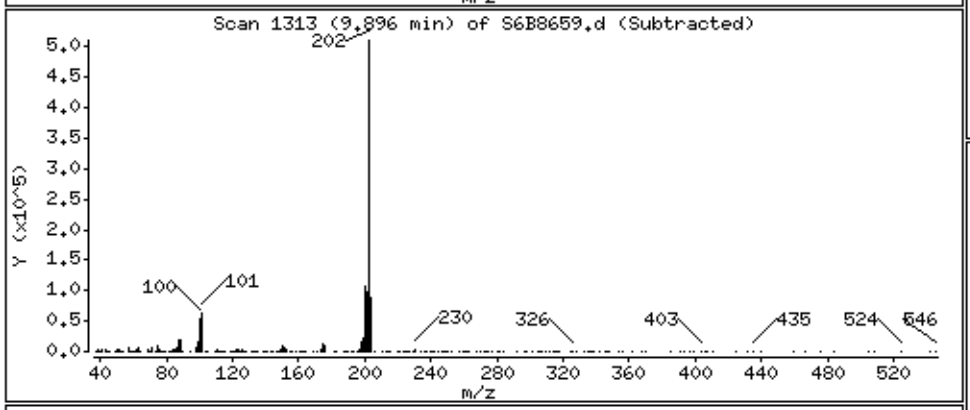
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

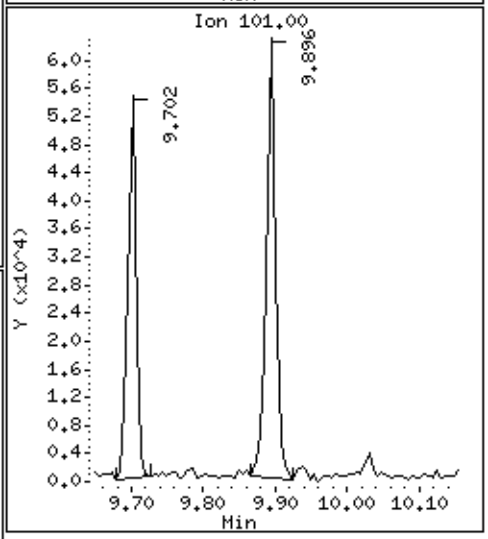
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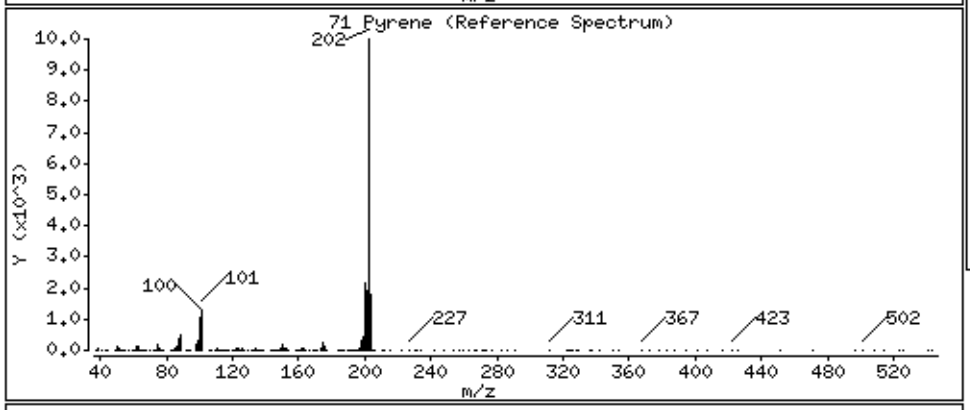
71 Pyrene Concentration: 850 ug/Kg

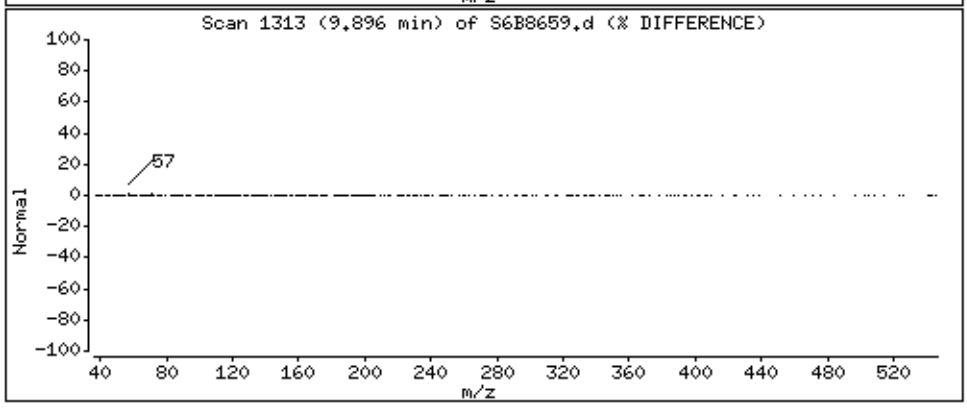












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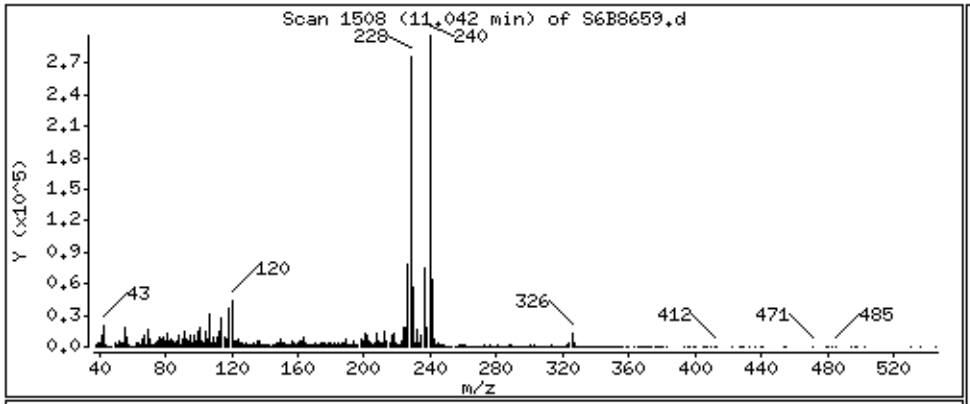
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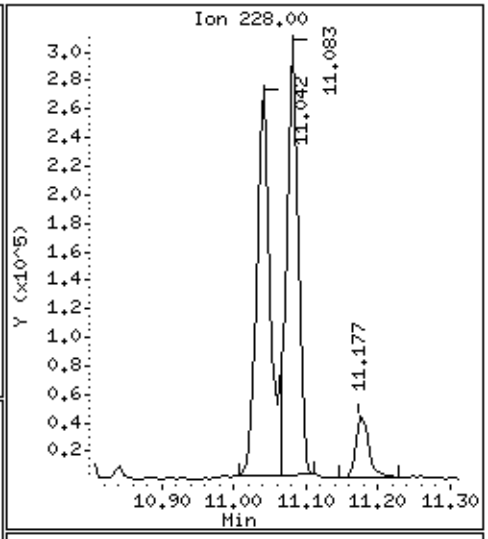
Sample Info: N1194-21A,,78076

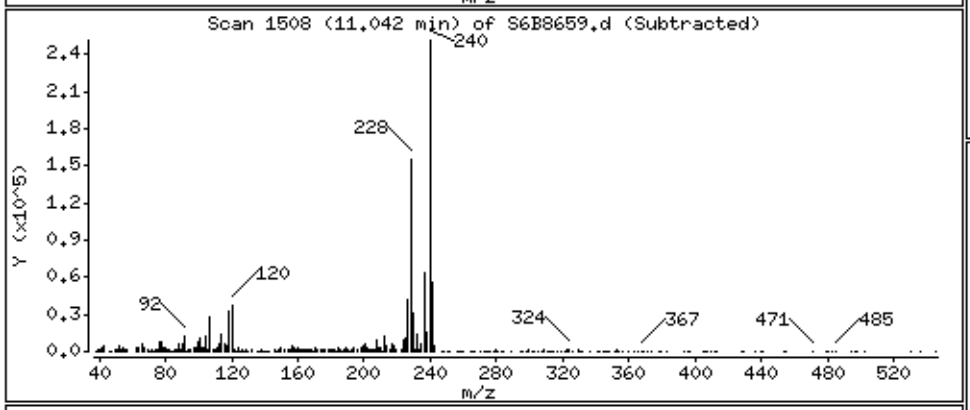
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

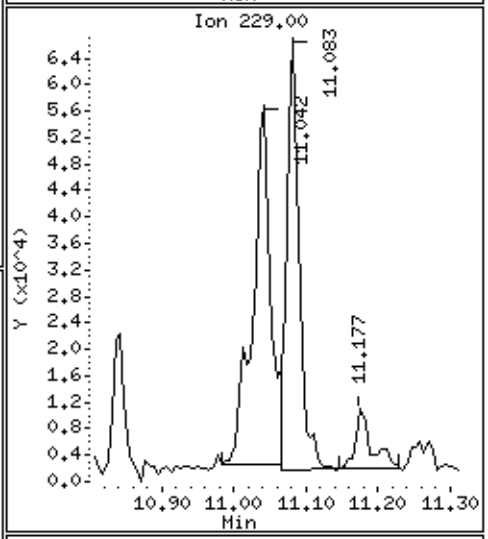
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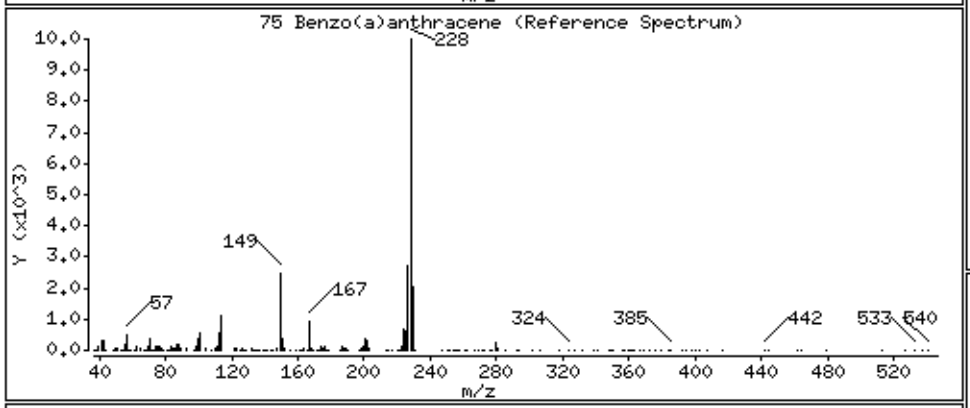
75 Benzo(a)anthracene Concentration: 800 ug/Kg

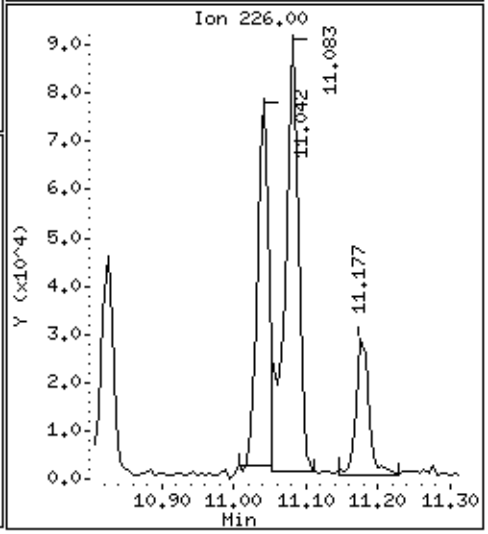


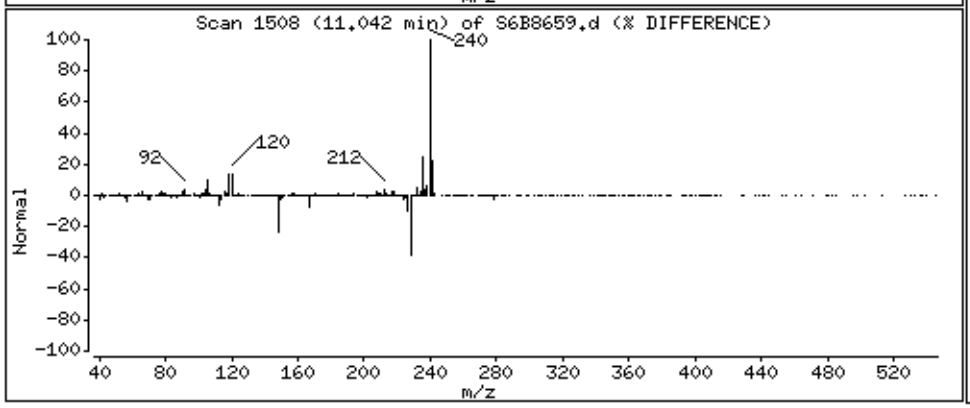












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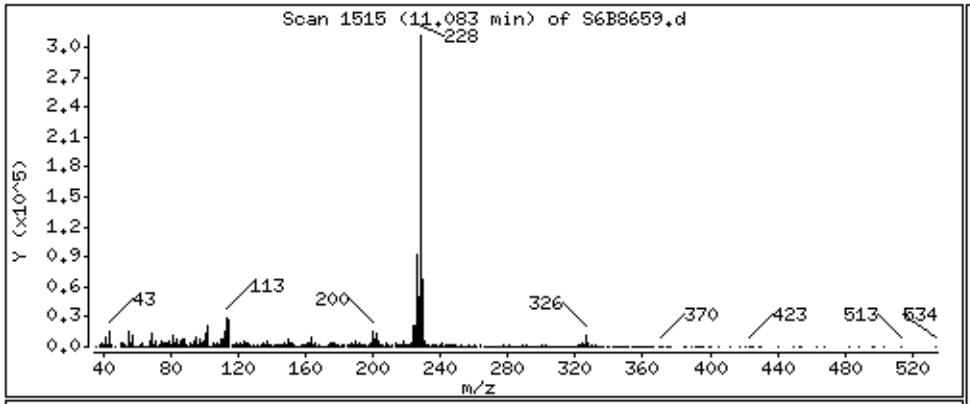
Client ID: SS-29-071014 Instrument: S6.i

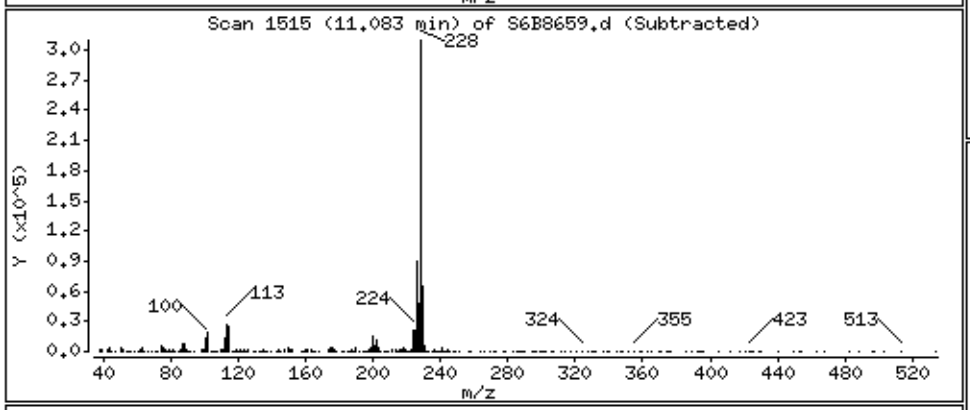
Sample Info: N1194-21A,,78076

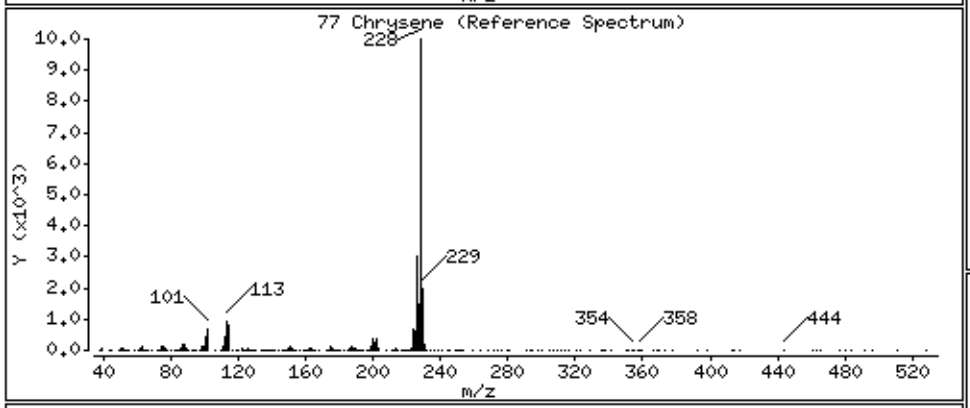
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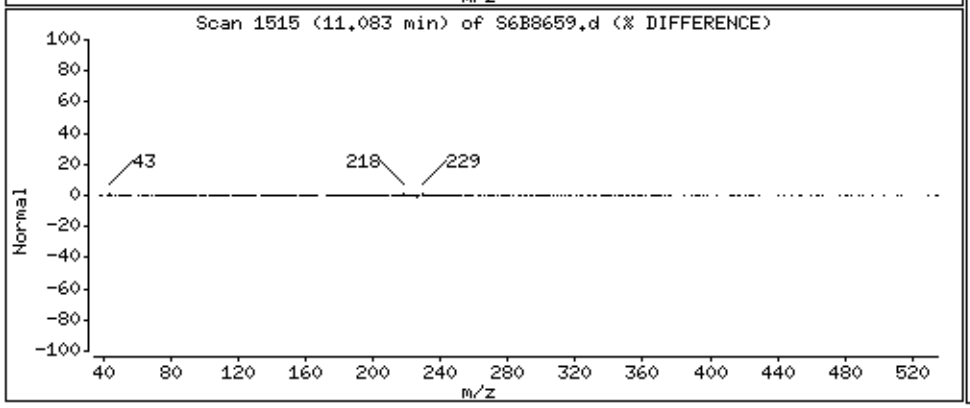
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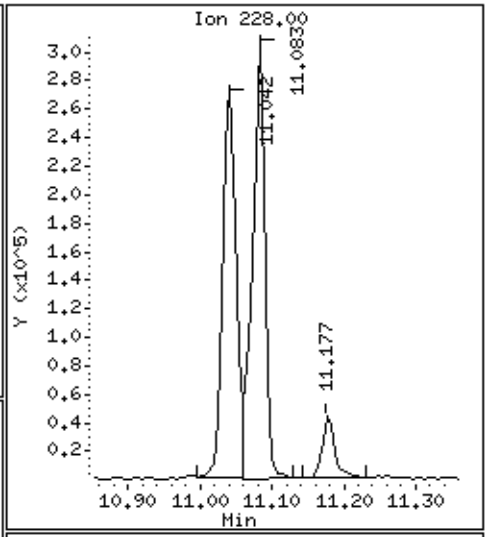
77 Chrysene Concentration: 890 ug/Kg

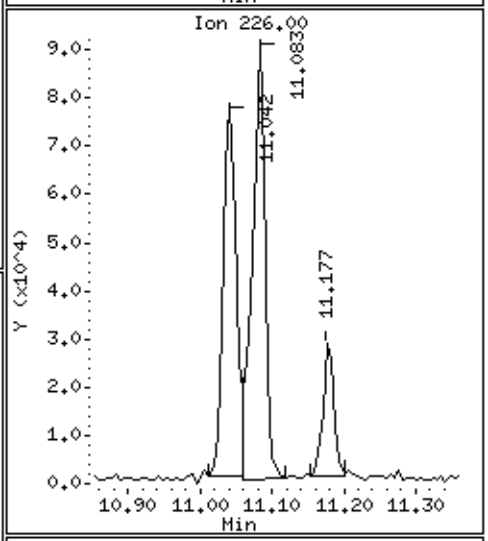


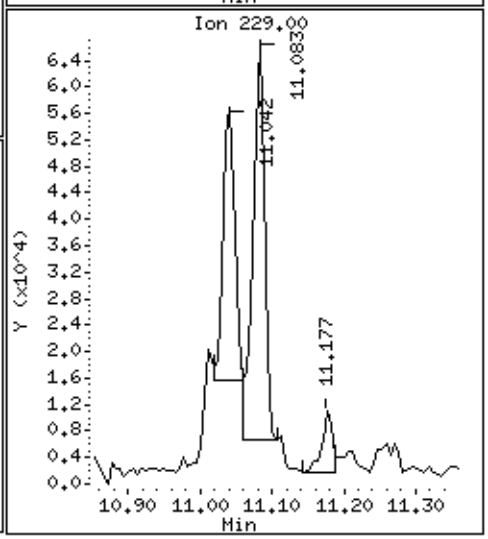












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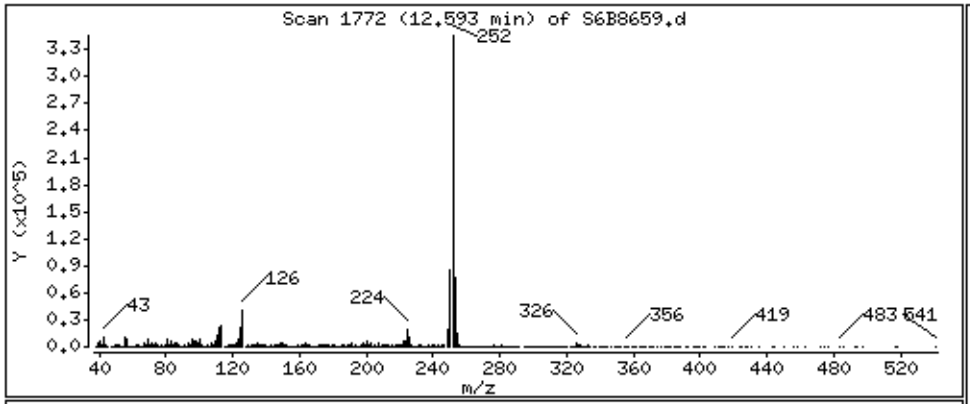
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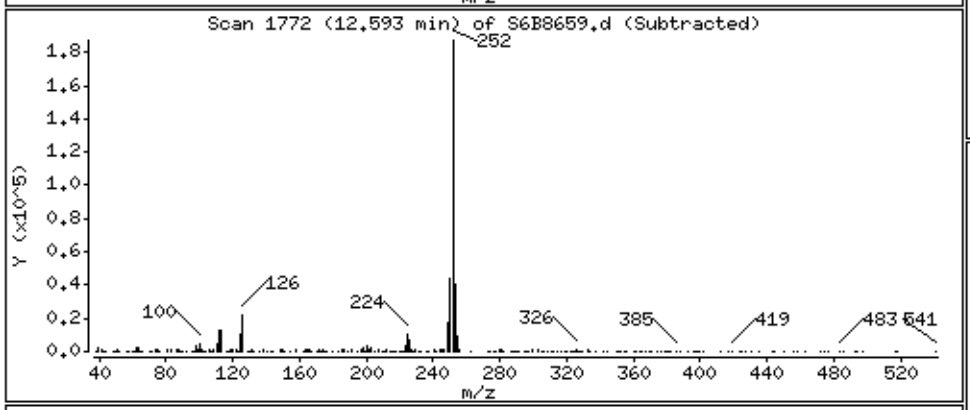
Sample Info: N1194-21A,,78076

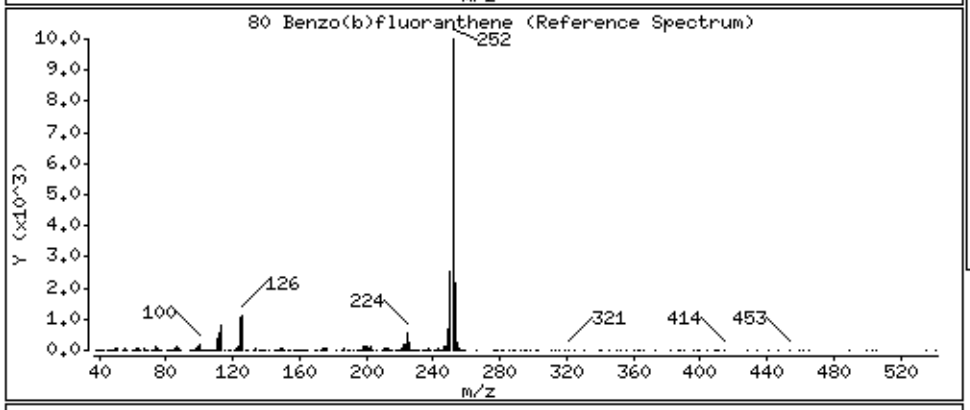
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

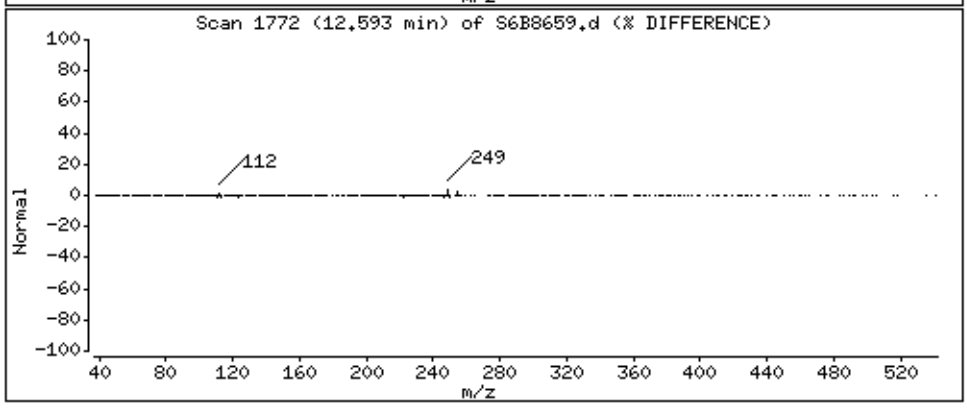
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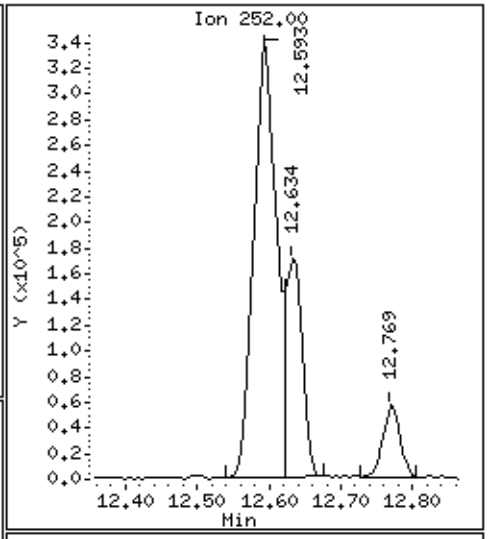
80 Benzo(b)fluoranthene Concentration: 1600 ug/Kg

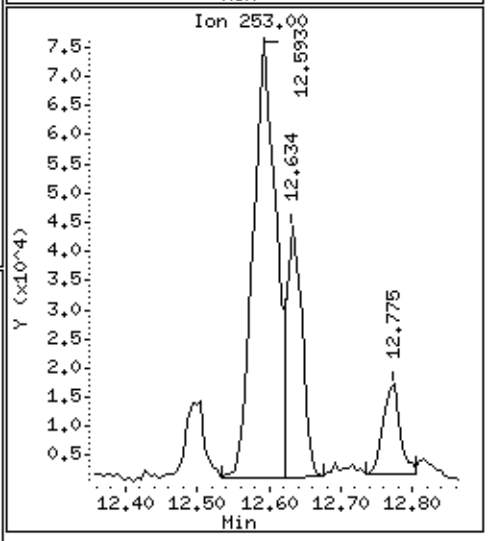












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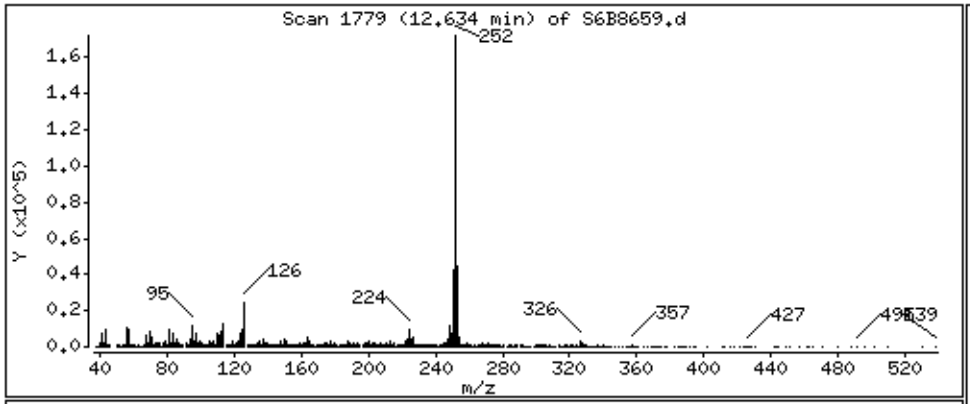
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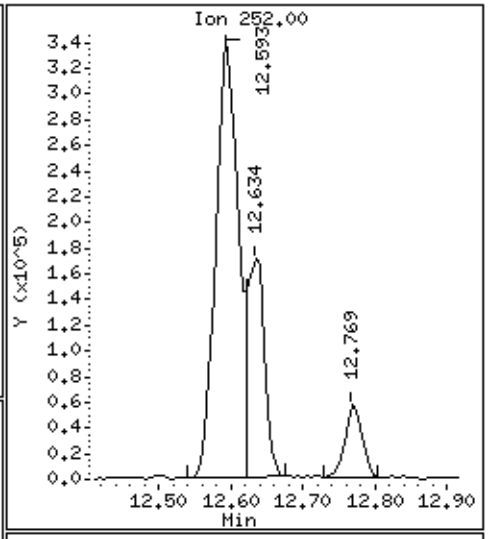
Sample Info: N1194-21A,,78076

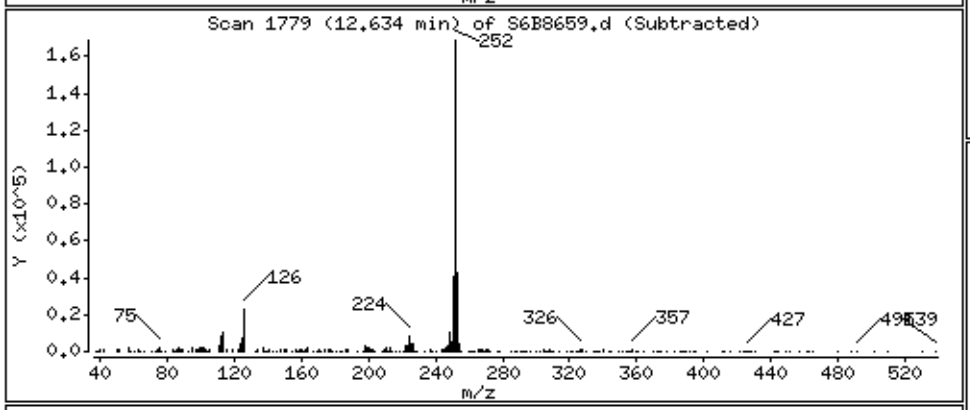
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

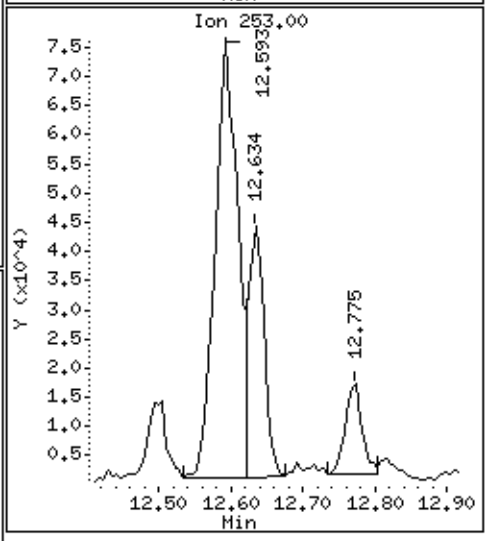
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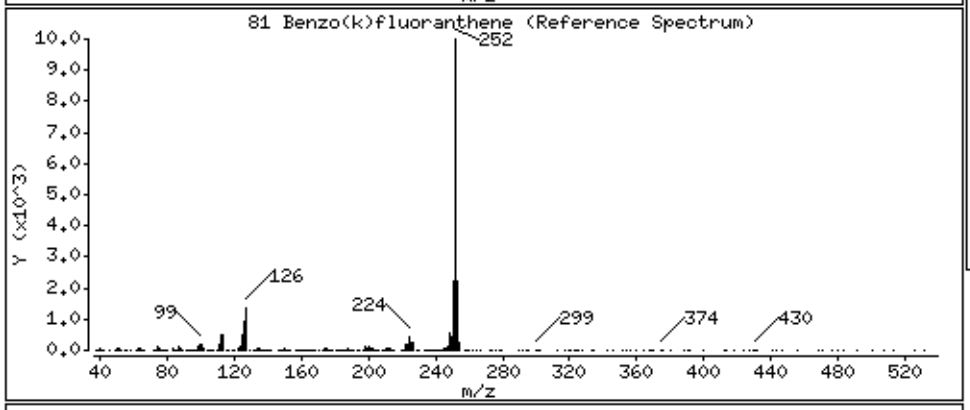
81 Benzo(k)fluoranthene Concentration: 590 ug/Kg

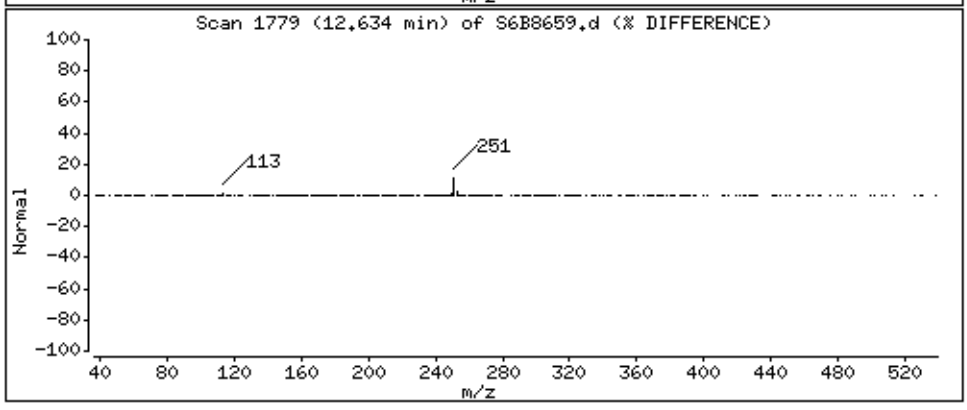












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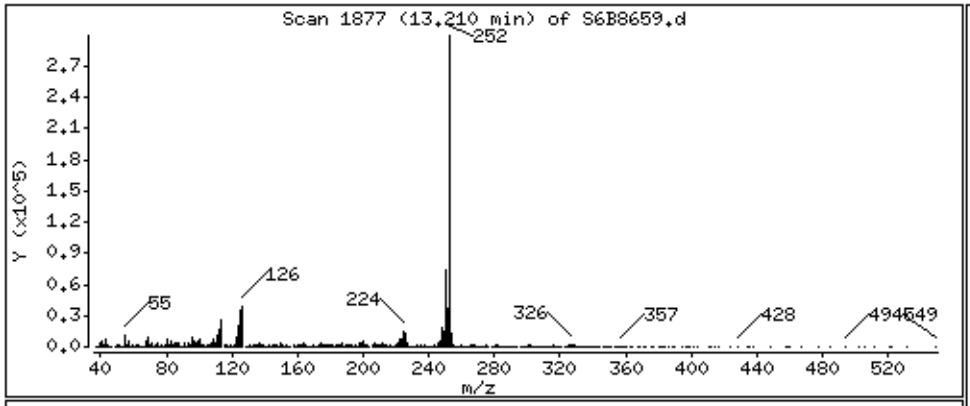
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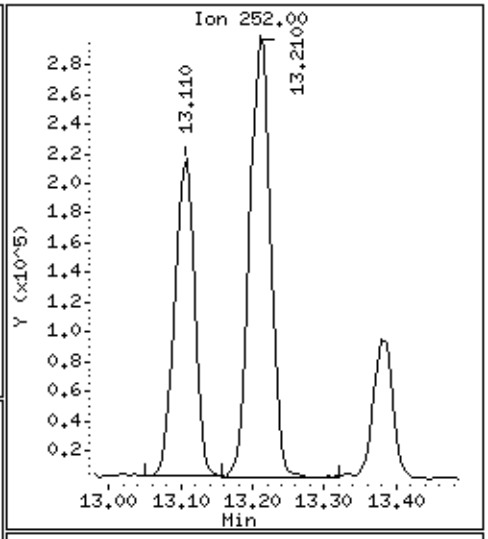
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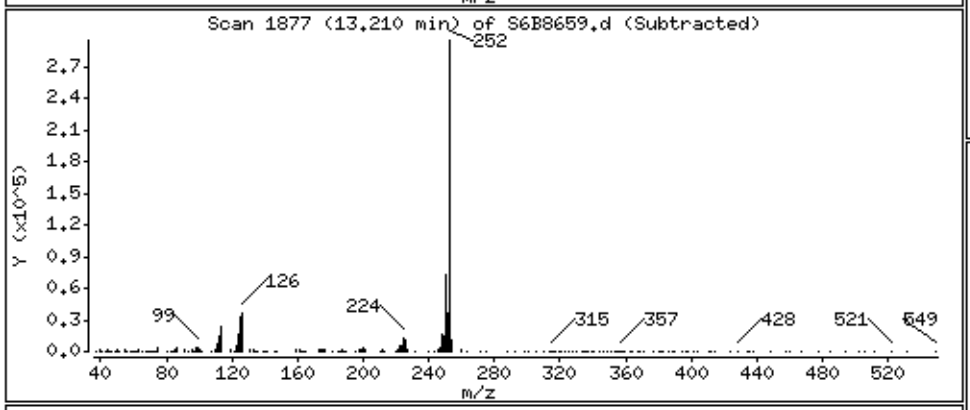
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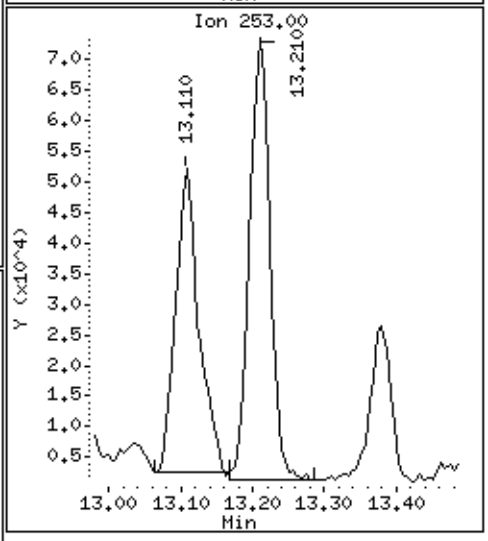
Column phase: Rxi-5Sil MS Column diameter: 0.25

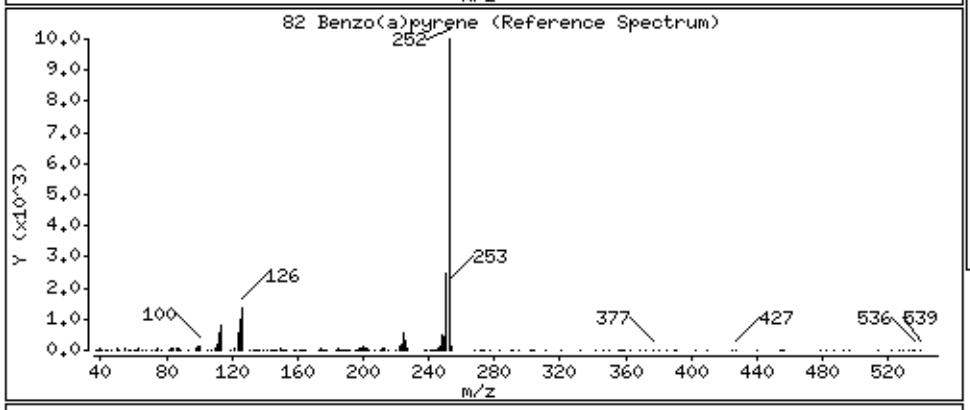
82 Benzo(a)pyrene Concentration: 1300 ug/Kg

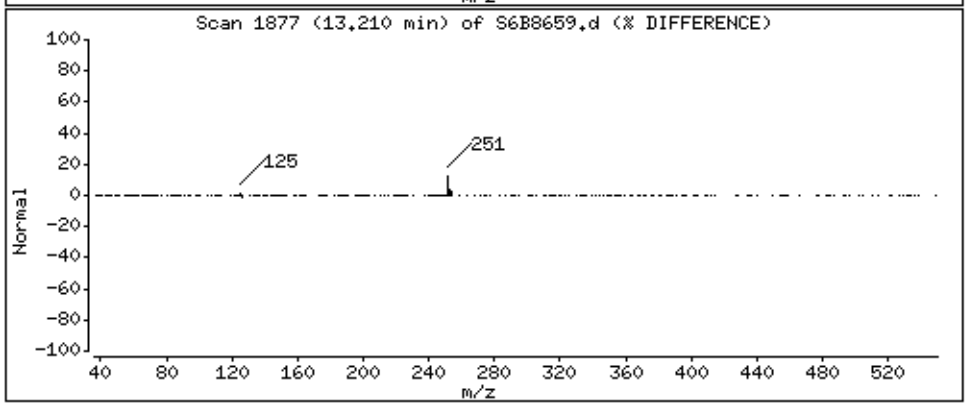












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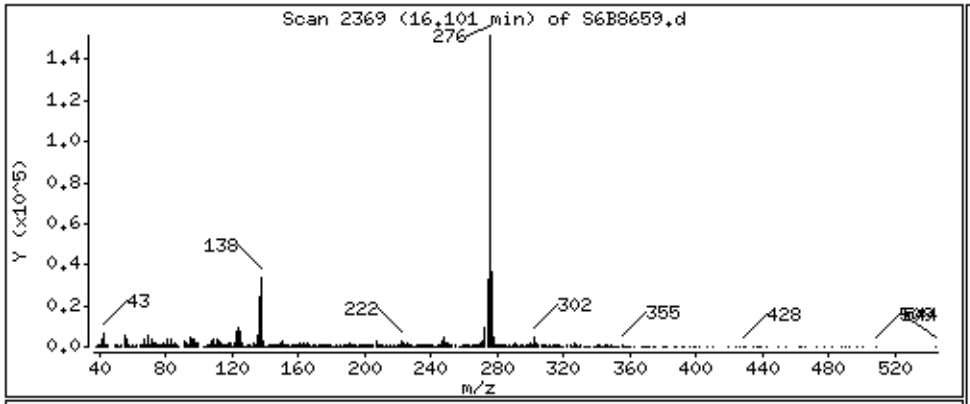
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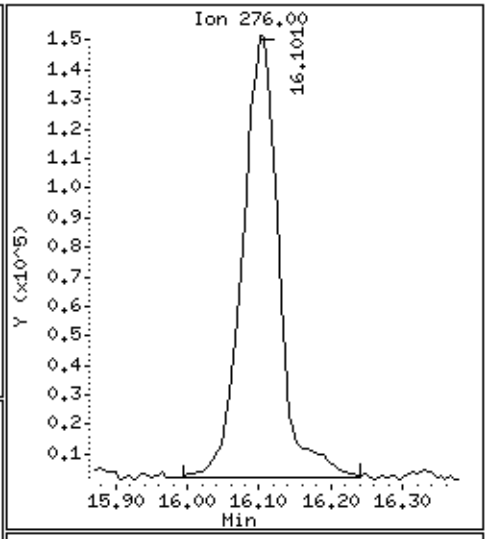
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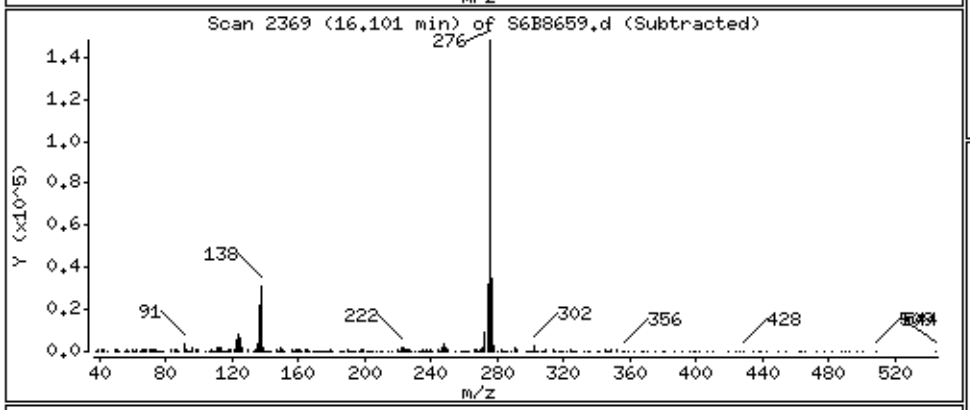
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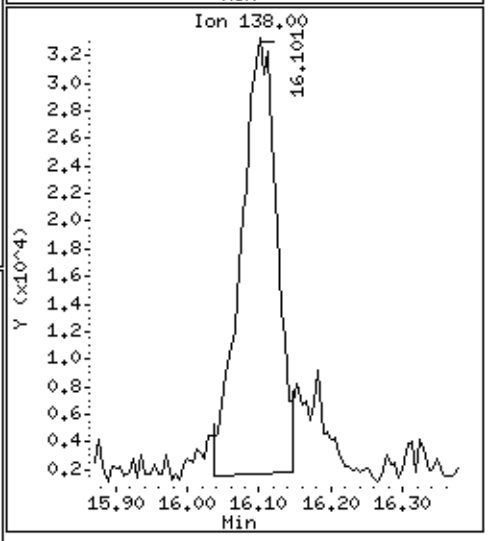
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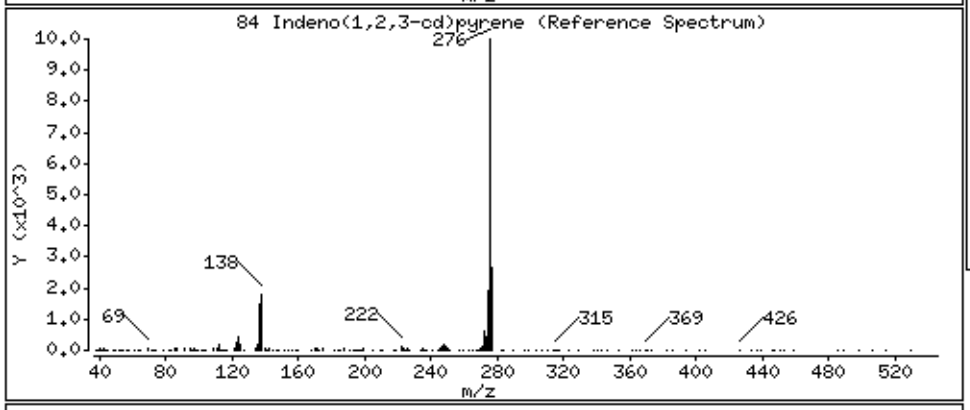
84 Indeno(1,2,3-cd)pyrene Concentration: 1300 ug/Kg

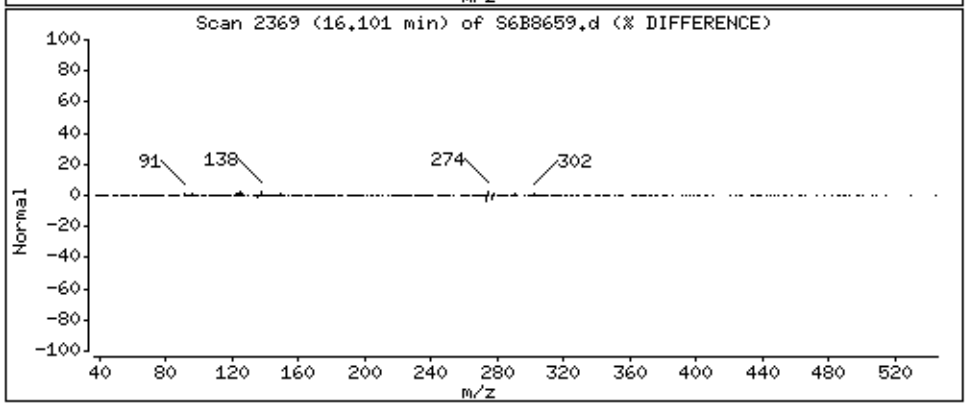












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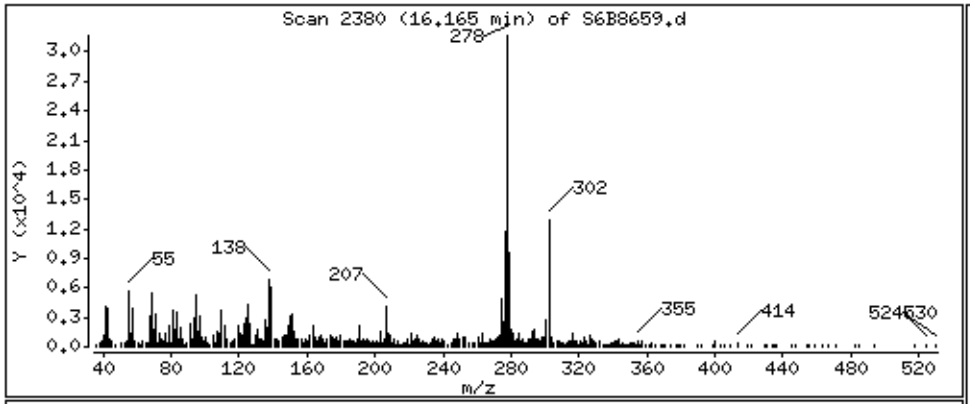
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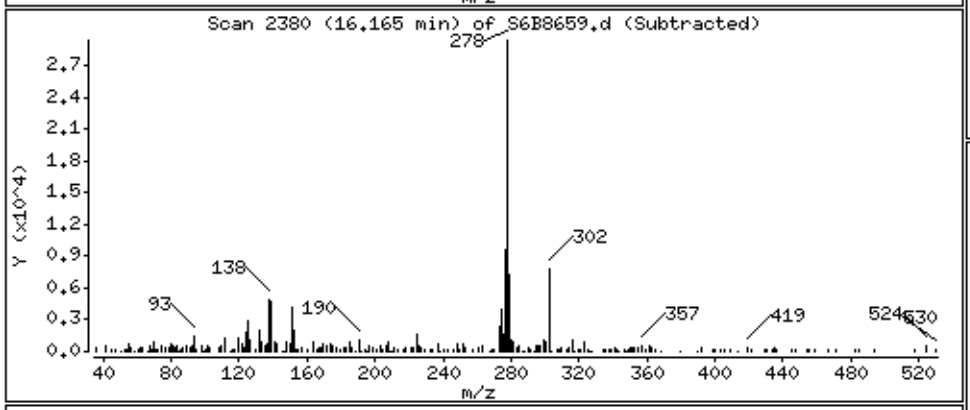
Sample Info: N1194-21A,,78076

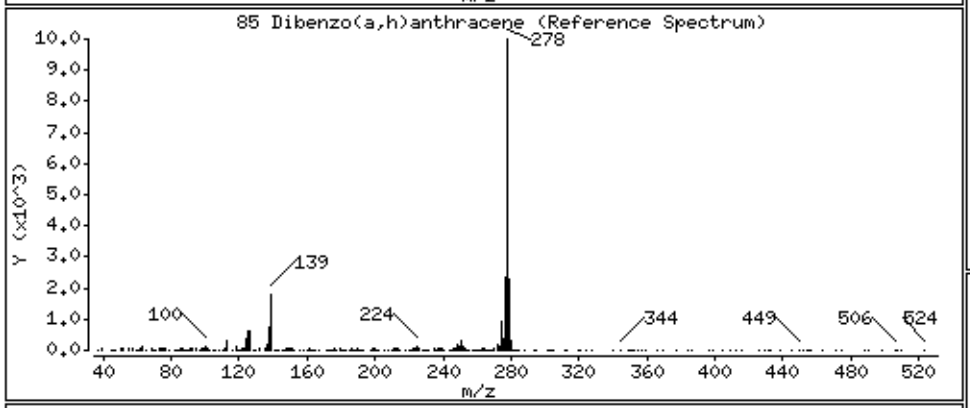
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

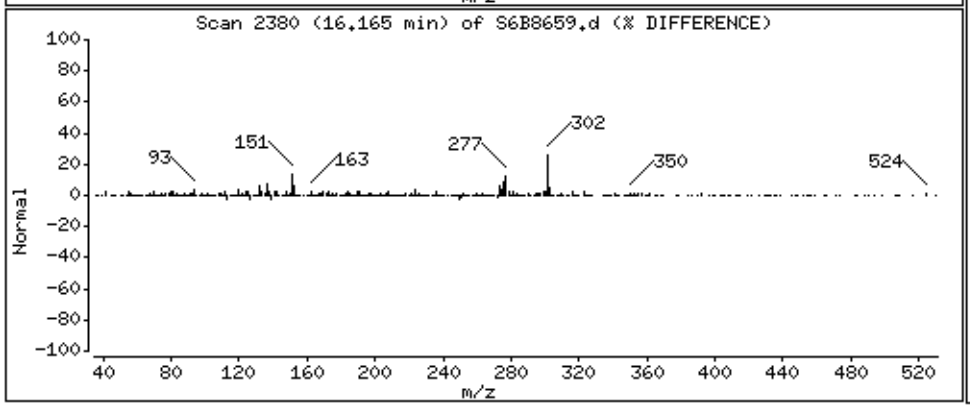
Column phase: Rxi-5Sil MS Column diameter: 0.25

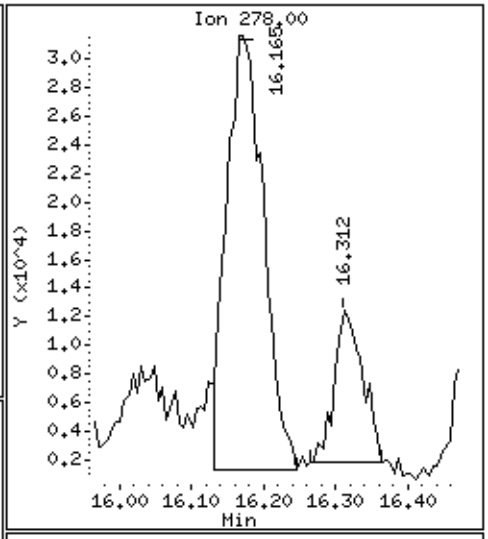
85 Dibenzo(a,h)anthracene Concentration: 290 ug/Kg

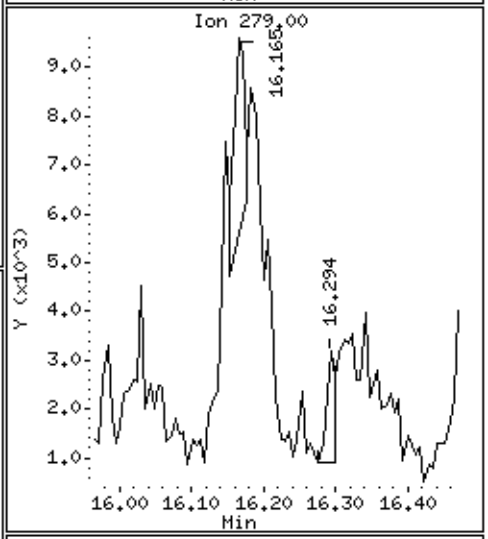


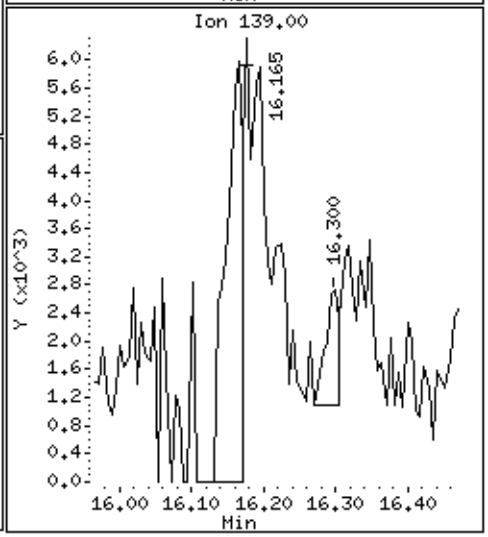












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Date : 18-JUL-2014 15:29

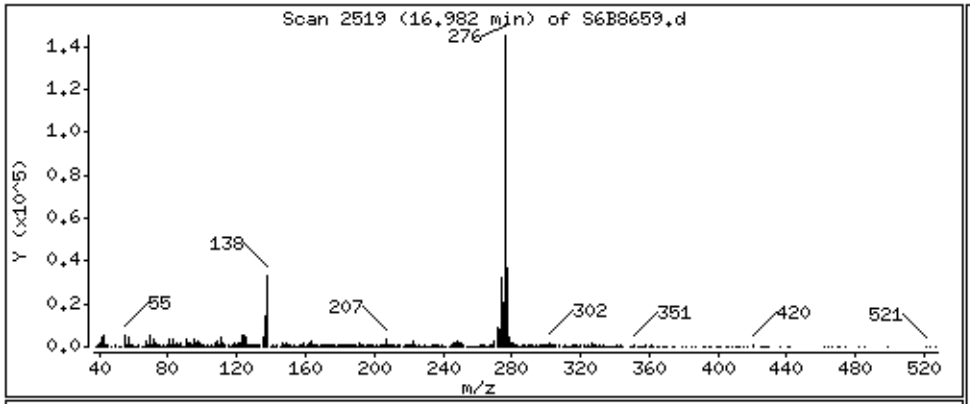
Client ID: SS-29-071014 Instrument: S6.i

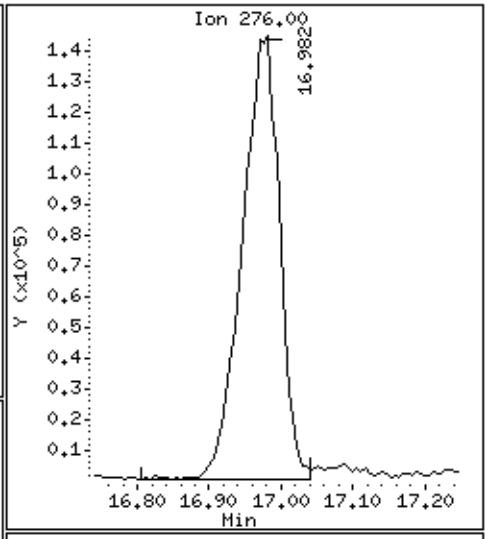
Sample Info: N1194-21A,,78076

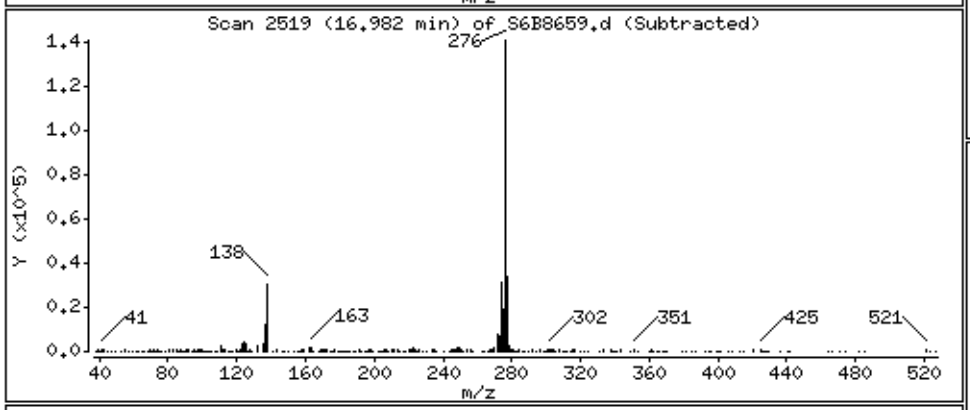
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

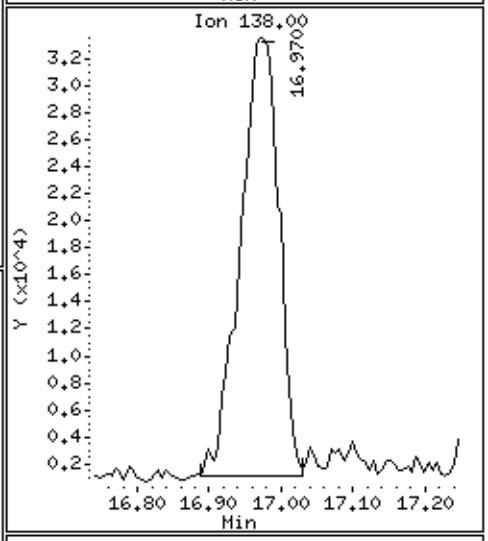
Column phase: Rxi-5Sil MS Column diameter: 0.25

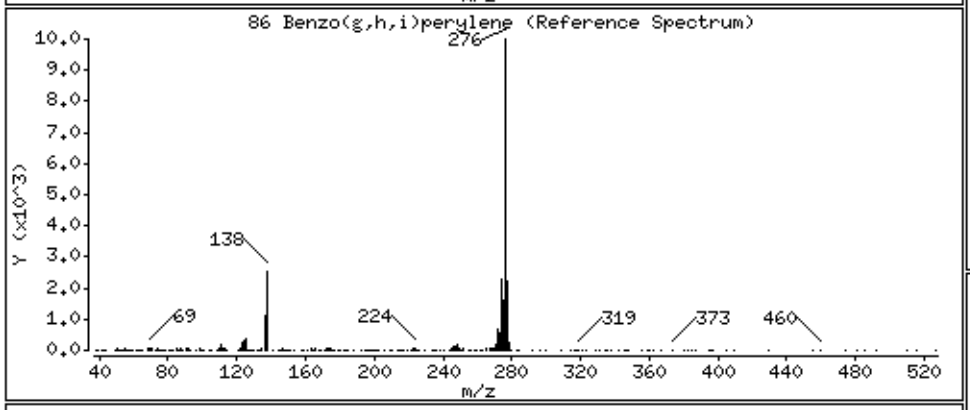
86 Benzo(g,h,i)perylene Concentration: 1300 ug/Kg

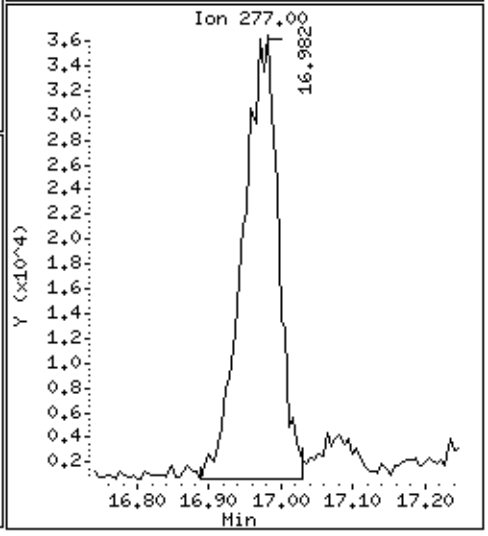


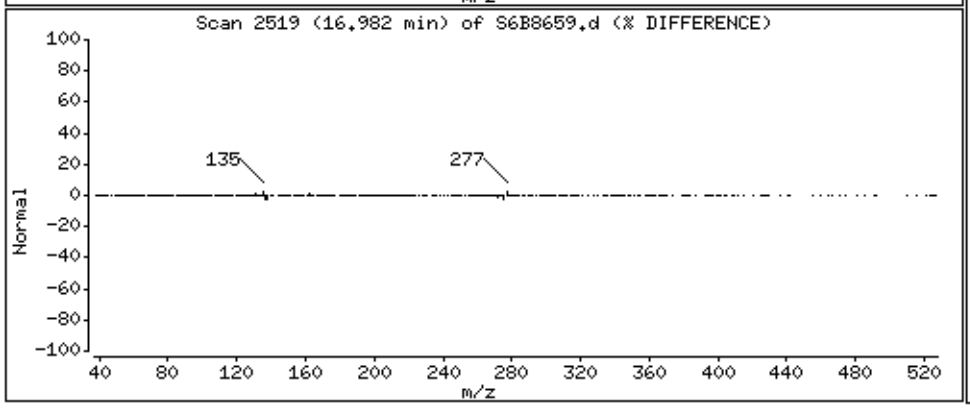












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-30-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-22A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8660.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
86-73-7	Fluorene	370	U
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	250	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1700	
56-55-3	Benzo(a)anthracene	1400	
218-01-9	Chrysene	2000	
205-99-2	Benzo(b)fluoranthene	3300	
207-08-9	Benzo(k)fluoranthene	1300	
50-32-8	Benzo(a)pyrene	2500	
193-39-5	Indeno(1,2,3-cd)pyrene	2300	
53-70-3	Dibenzo(a,h)anthracene	550	
191-24-2	Benzo(g,h,i)perylene	2400	

Data File: \\avogadro\organics\S6.I\140718.B\S6B8660.d
Report Date: 21-Jul-2014 13:15

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140718.B\S6B8660.d
Lab Smp Id: N1194-22A Client Smp ID: SS-30-071014
Inj Date : 18-JUL-2014 15:53
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-22A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140718.B\S6_8270C_N.m
Meth Date : 21-Jul-2014 13:13 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.100	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.809	3.803	(0.773)	270663	28.4507	1900
$	5 Phenol-d5	99	4.625	4.625	(0.939)	328714	27.0657	1800
*	12 1,4-Dichlorobenzene-d4	152	4.925	4.925	(1.000)	287211	40.0000	
$	22 Nitrobenzene-d5	82	5.395	5.395	(0.899)	335063	32.9646	2200
*	31 Naphthalene-d8	136	6.000	6.000	(1.000)	986151	40.0000	
$	41 2-Fluorobiphenyl	172	6.893	6.893	(0.924)	693878	31.4628	2100
*	48 Acenaphthene-d10	164	7.463	7.463	(1.000)	630197	40.0000	
$	60 2,4,6-Tribromophenol	330	8.115	8.115	(0.934)	82437	30.2052	2000
*	64 Phenanthrene-d10	188	8.691	8.697	(1.000)	1185494	40.0000	
	65 Phenanthrene	178	8.709	8.715	(1.002)	107513	3.35856	220(a)
	69 Fluoranthene	202	9.702	9.708	(1.116)	699378	19.0897	1300
	71 Pyrene	202	9.896	9.901	(0.895)	778955	22.5312	1500
$	72 Terphenyl-d14	244	10.013	10.019	(0.905)	766112	34.1179	2200
	75 Benzo(a)anthracene	228	11.041	11.059	(0.998)	613899	19.1546	1300
*	76 Chrysene-d12	240	11.059	11.077	(1.000)	1122504	40.0000	
	77 Chrysene	228	11.088	11.106	(1.003)	775264	26.3559	1700
	80 Benzo(b)fluoranthene	252	12.604	12.610	(0.945)	1412163	43.8783	2900
	81 Benzo(k)fluoranthene	252	12.639	12.663	(0.948)	556673	17.0354	1100
	82 Benzo(a)pyrene	252	13.221	13.233	(0.991)	1037708	33.7953	2200

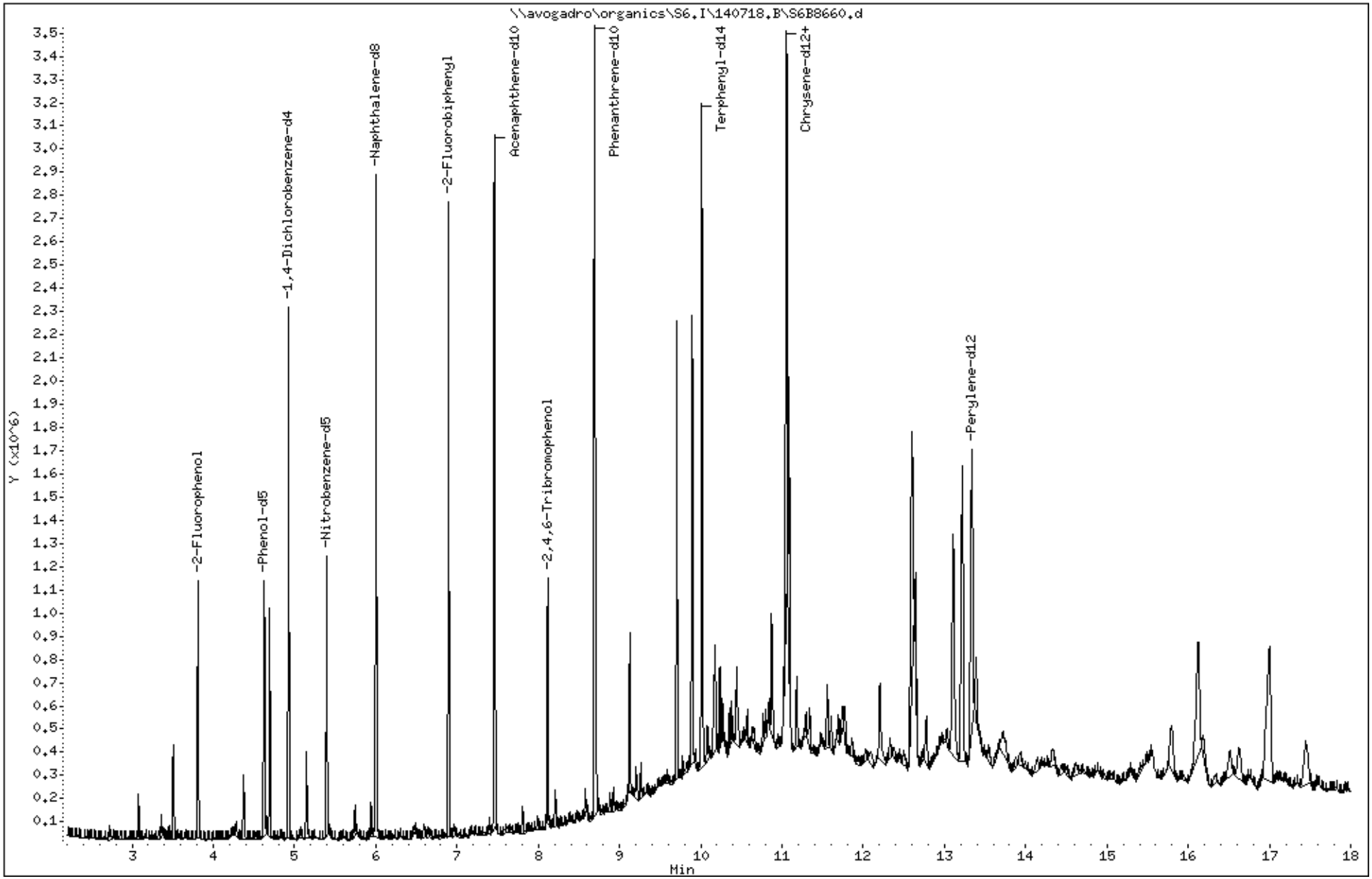
Data File: \\avogadro\organics\S6.I\140718.B\S6B8660.d
Report Date: 21-Jul-2014 13:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
* 83 Perylene-d12	264	13.339	13.356	(1.000)	1094677	40.0000	
84 Indeno(1,2,3-cd)pyrene	276	16.118	16.124	(1.208)	819111	30.5731	2000
85 Dibenzo(a,h)anthracene	278	16.188	16.218	(1.214)	189598	7.27356	480(a)
86 Benzo(g,h,i)perylene	276	16.999	16.993	(1.274)	876384	31.6751	2100

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\avogadro\organics\S6.I\140718.B\S6B8660.d
Date : 18-JUL-2014 15:53
Client ID: SS-30-071014
Instrument: S6.i
Sample Info: N1194-22A,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140718.B\S6B8660.d

Date : 18-JUL-2014 15:53

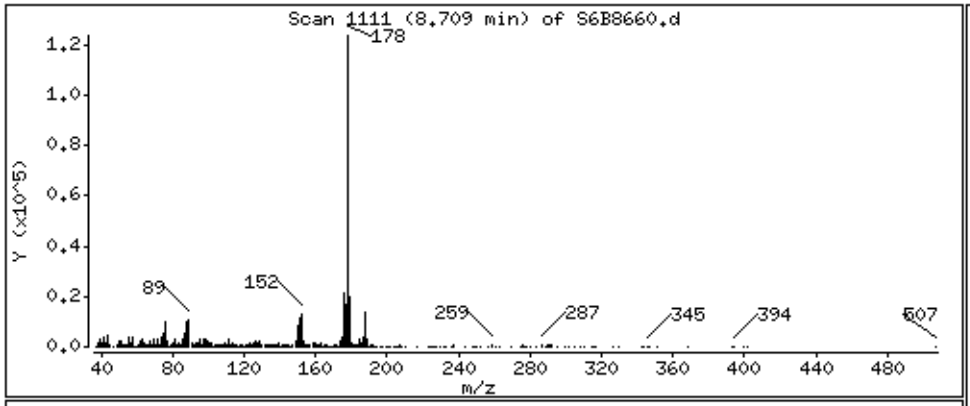
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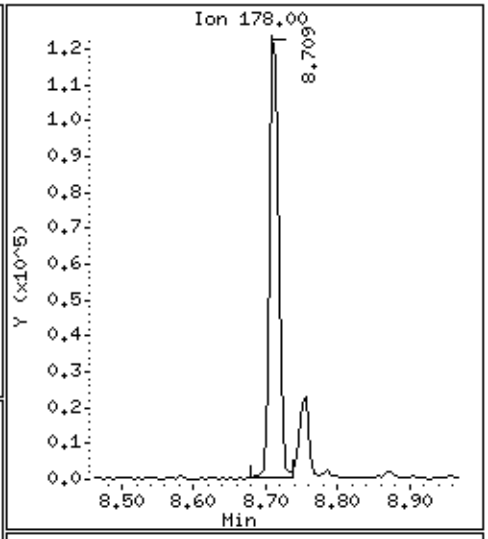
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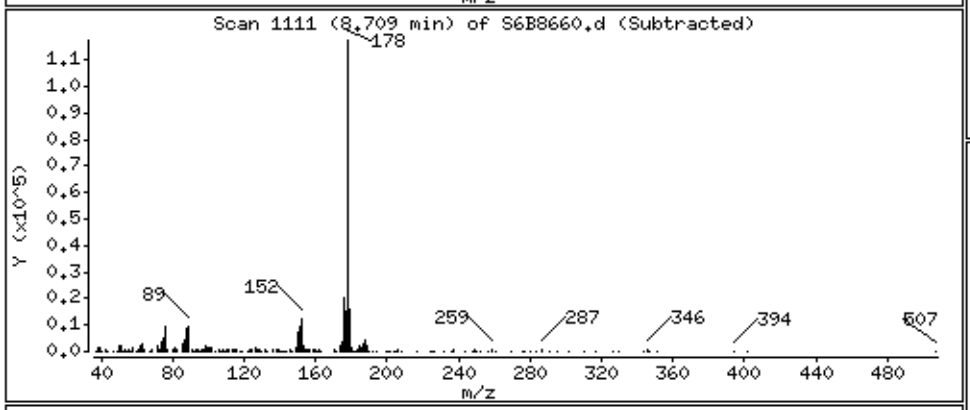
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

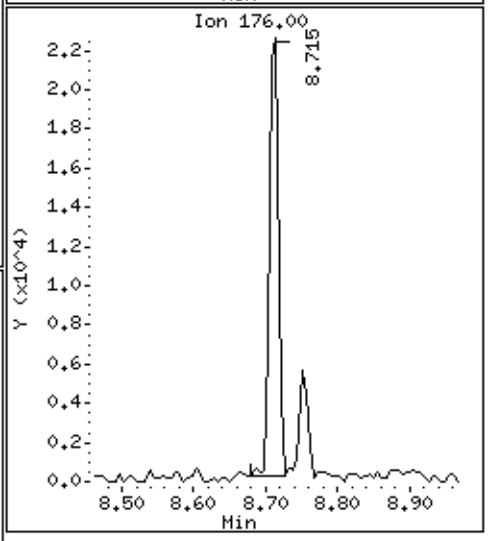
Column phase: Rxi-5Sil MS Column diameter: 0.25

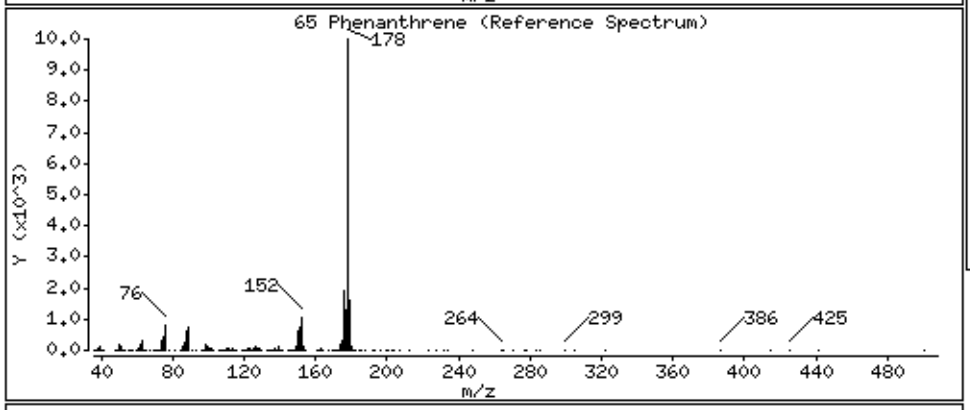
65 Phenanthrene Concentration: 220 ug/Kg

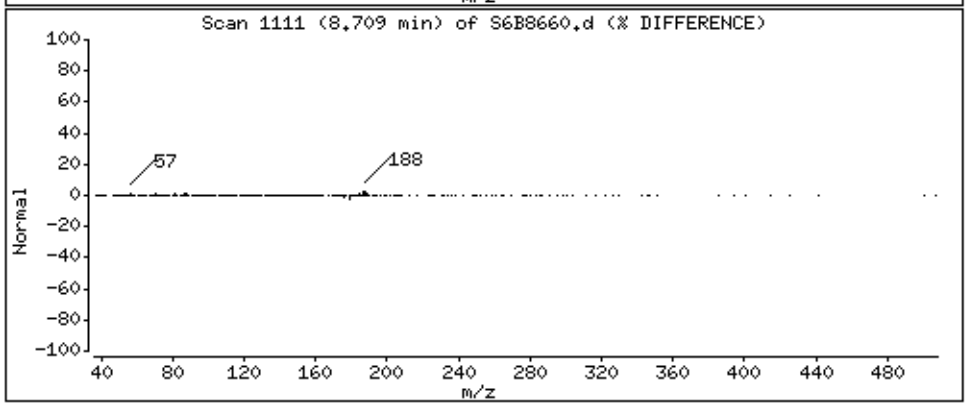












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Date : 18-JUL-2014 15:53

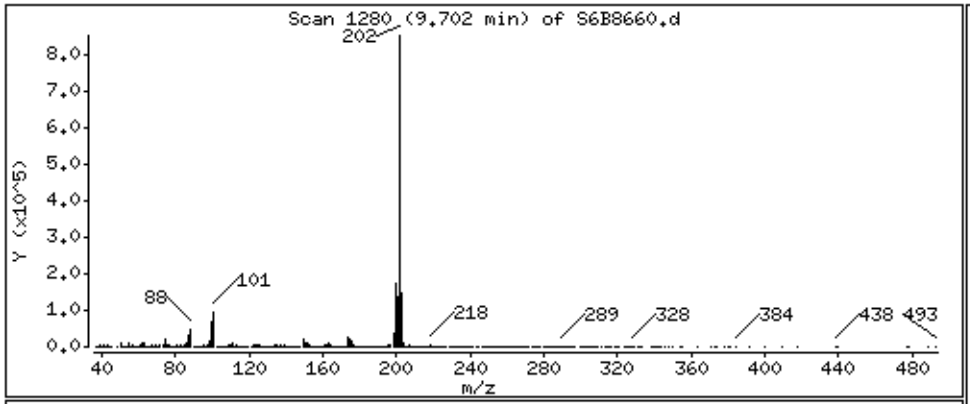
Client ID: SS-30-071014 Instrument: S6.i

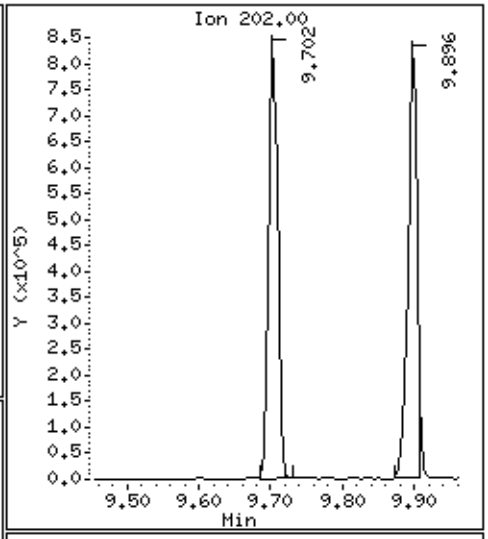
Sample Info: N1194-22A,,78076

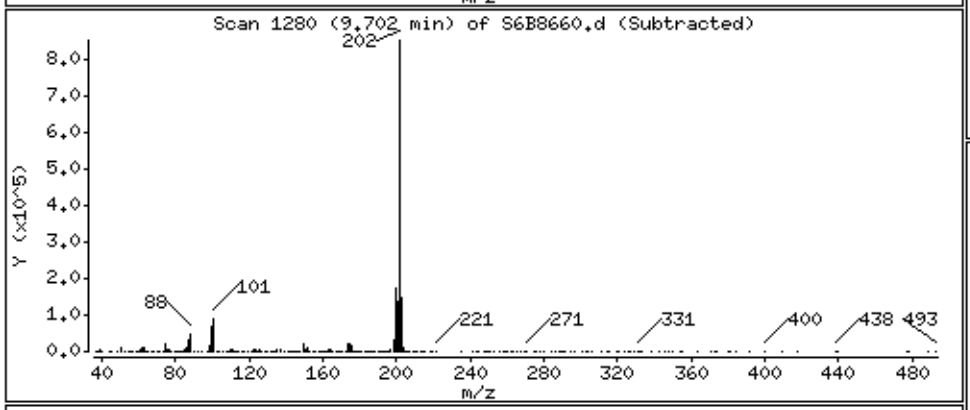
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

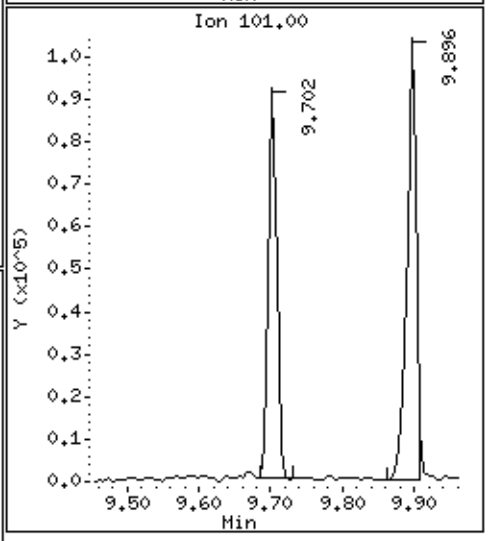
Column phase: Rxi-5Sil MS Column diameter: 0.25

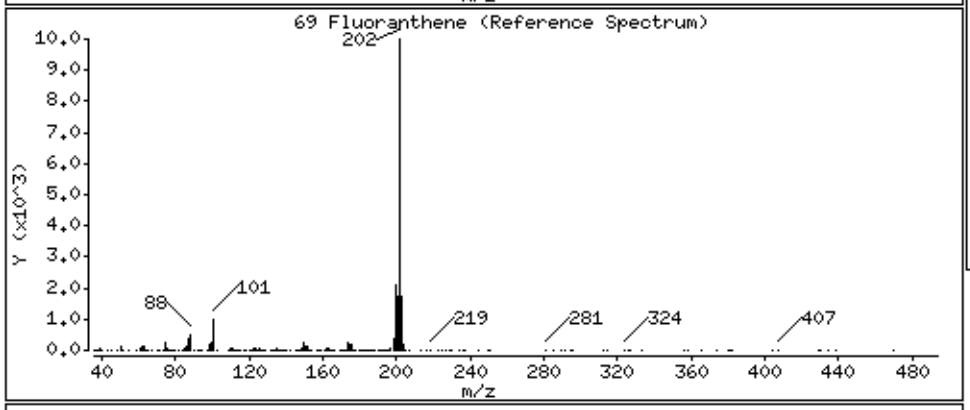
69 Fluoranthene Concentration: 1300 ug/Kg

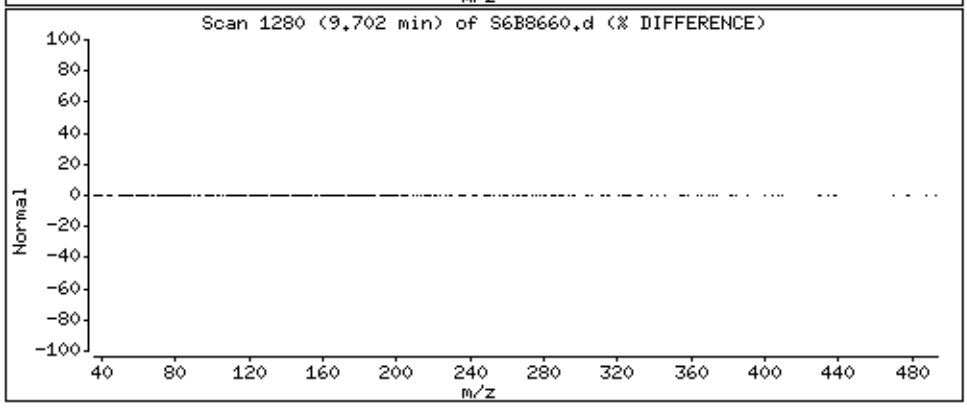












Data File: \\avogadro\organics\S6.I\140718.B\S6B8660.d

Date : 18-JUL-2014 15:53

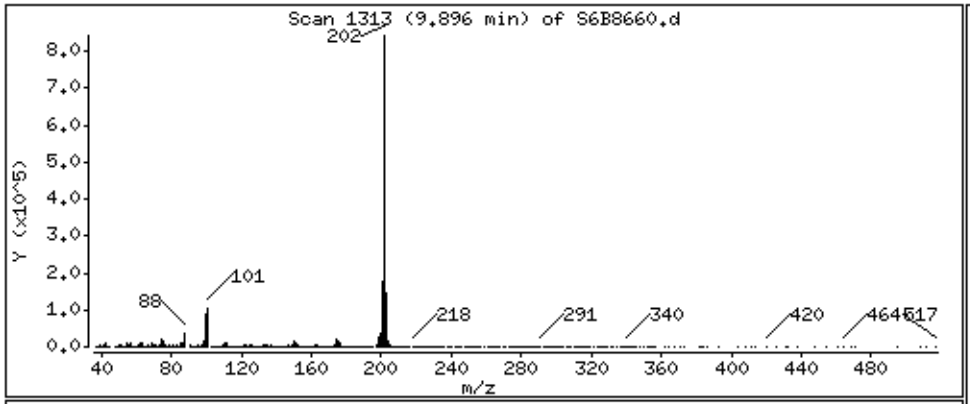
Client ID: SS-30-071014 Instrument: S6.i

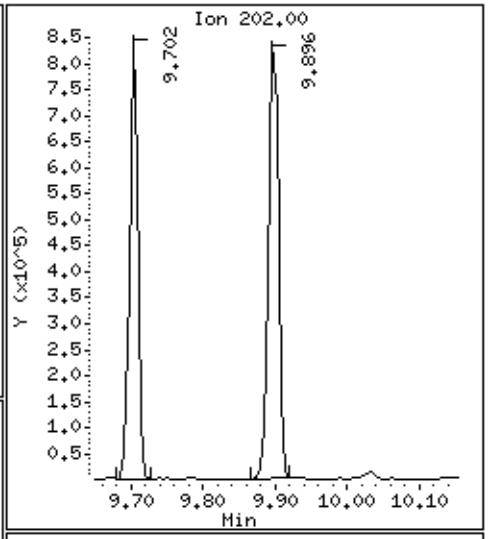
Sample Info: N1194-22A,,78076

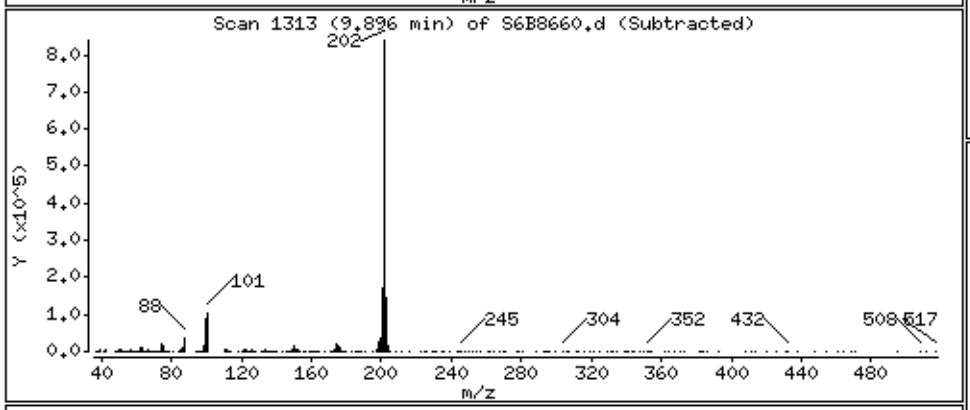
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

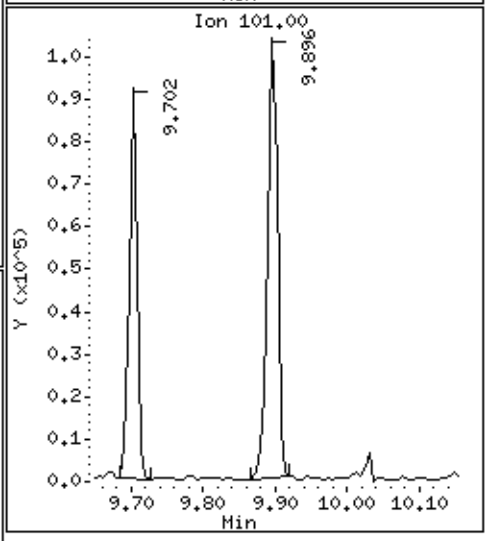
Column phase: Rxi-5Sil MS Column diameter: 0.25

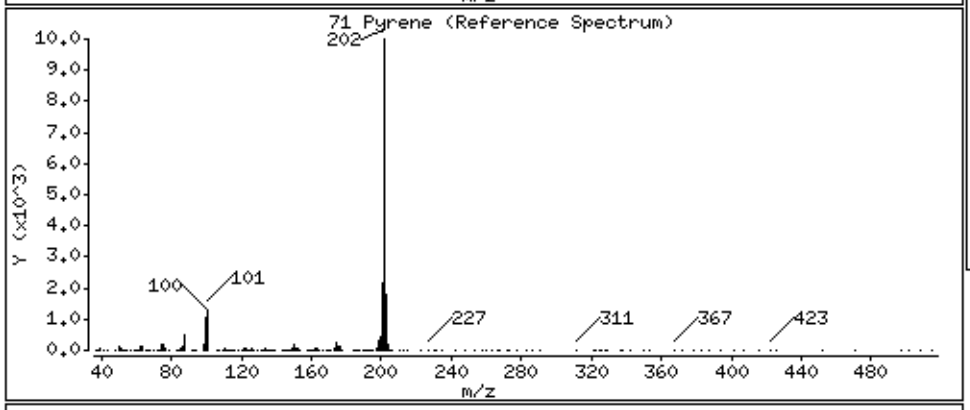
71 Pyrene Concentration: 1500 ug/Kg

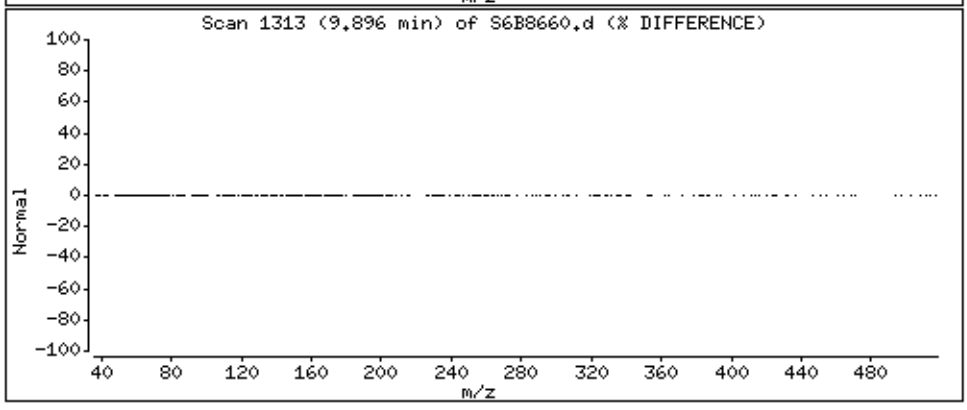












Data File: \\avogadro\organics\S6.I\140718.B\S6B8660.d

Date : 18-JUL-2014 15:53

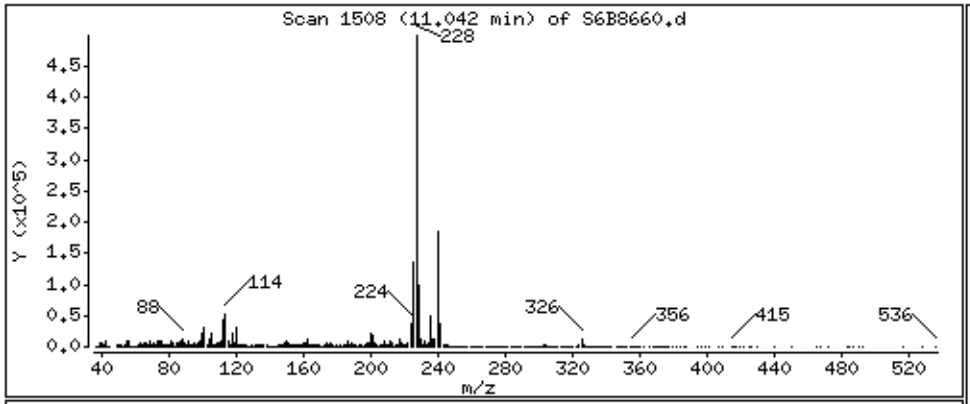
Client ID: SS-30-071014 Instrument: S6.i

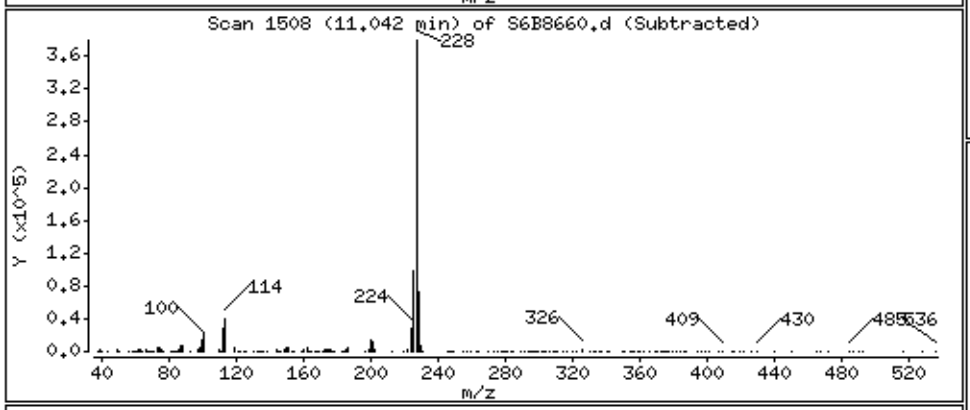
Sample Info: N1194-22A,,78076

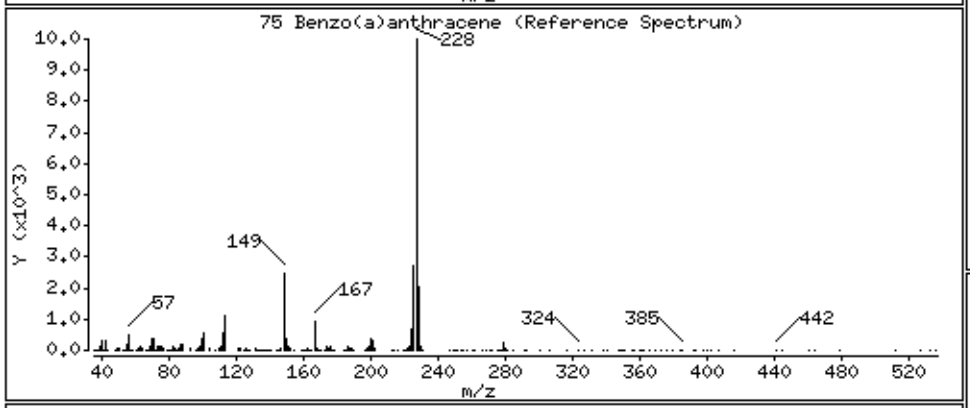
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

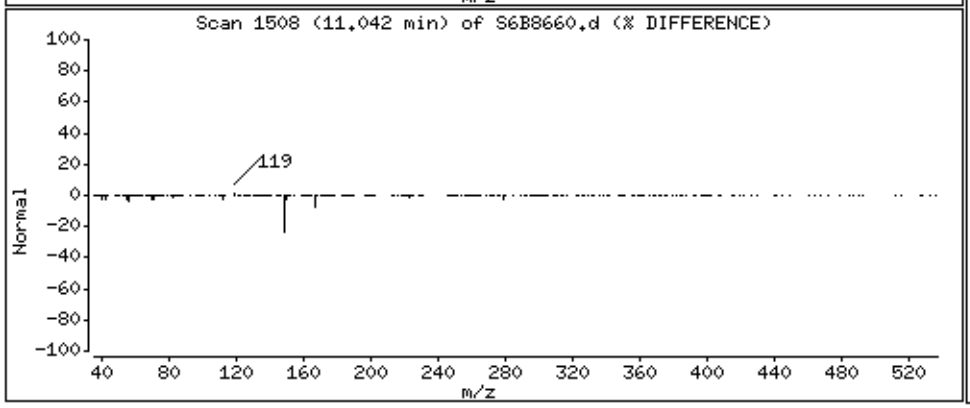
Column phase: Rxi-5Sil MS Column diameter: 0.25

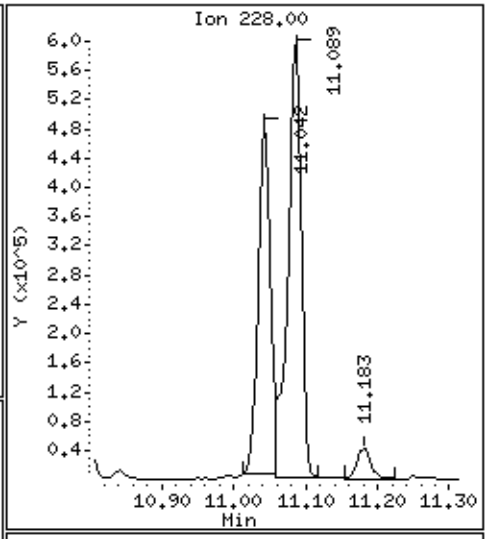
75 Benzo(a)anthracene Concentration: 1300 ug/Kg

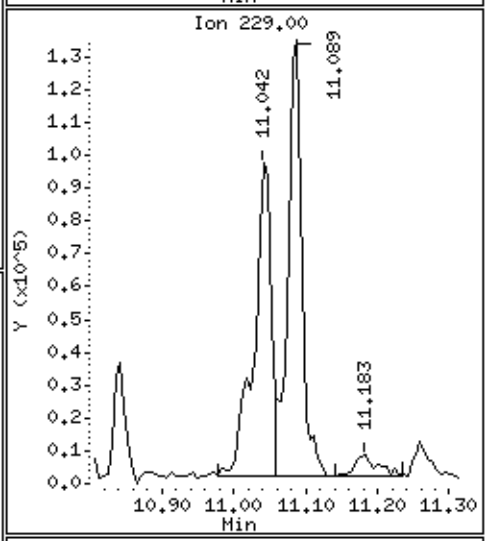


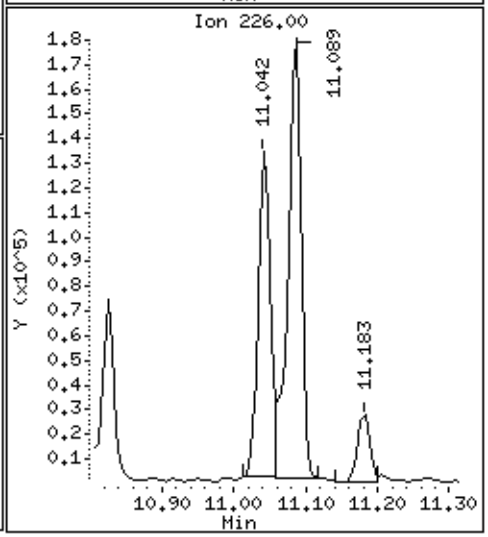












Data File: \\avogadro\organics\S6.I\140718.B\S6B8660.d

Date : 18-JUL-2014 15:53

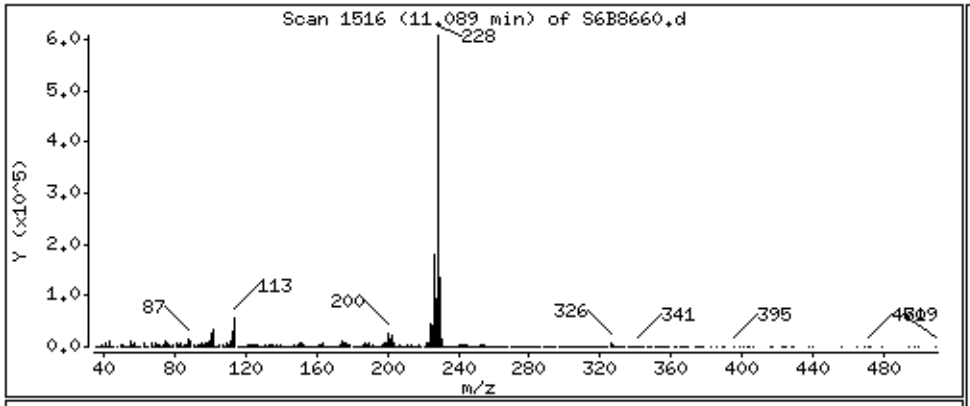
Client ID: SS-30-071014 Instrument: S6.i

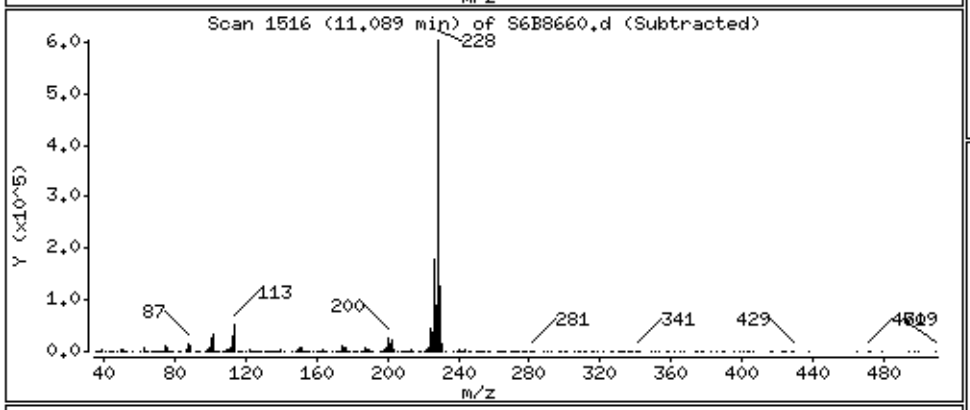
Sample Info: N1194-22A,,78076

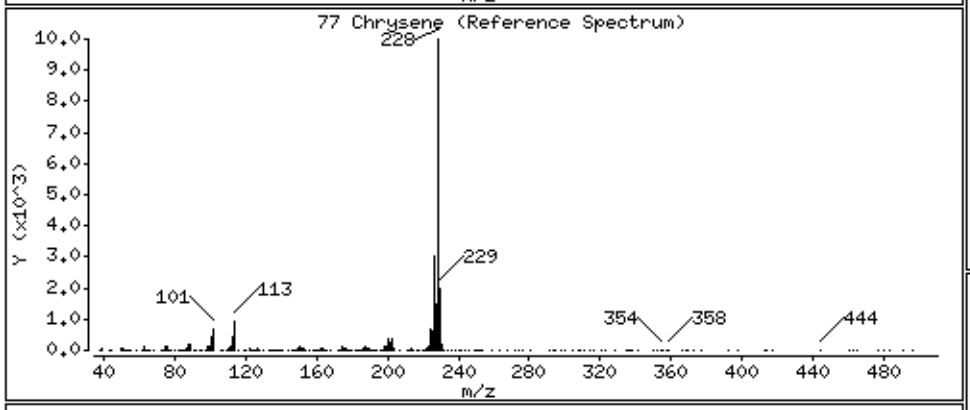
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

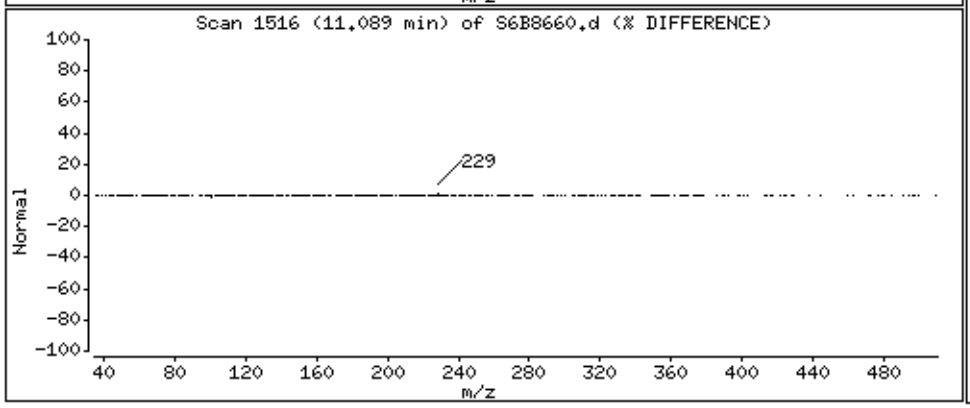
Column phase: Rxi-5Sil MS Column diameter: 0.25

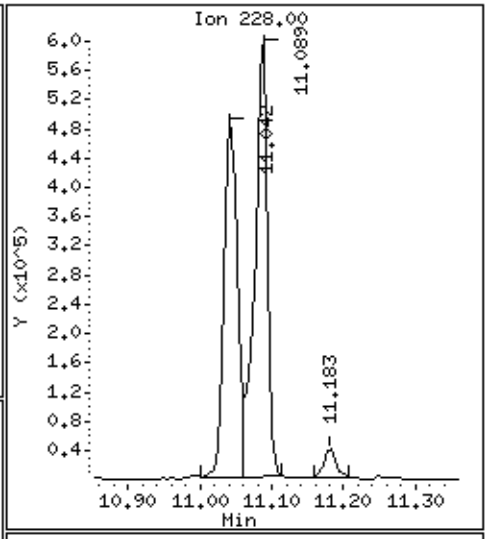
77 Chrysene Concentration: 1700 ug/Kg

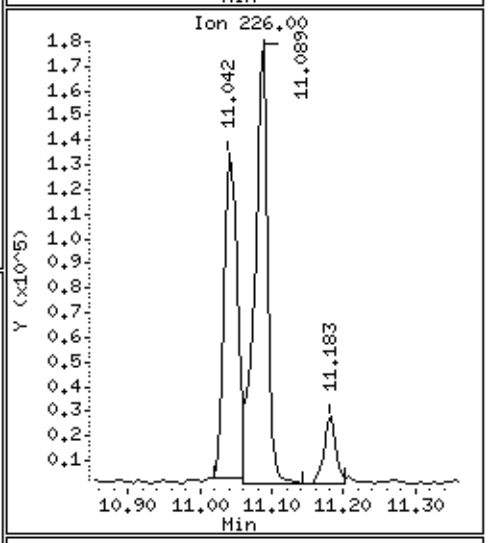


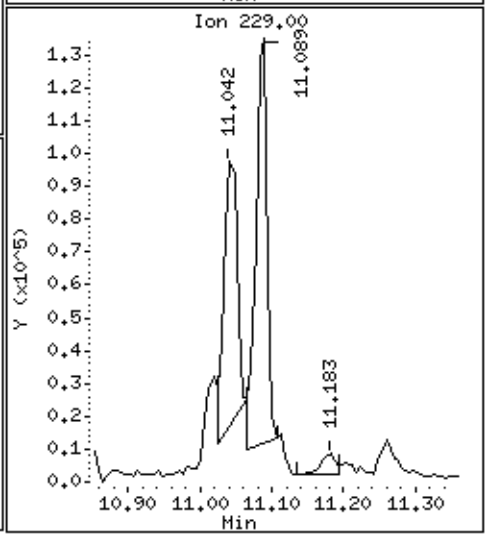












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Date : 18-JUL-2014 15:53

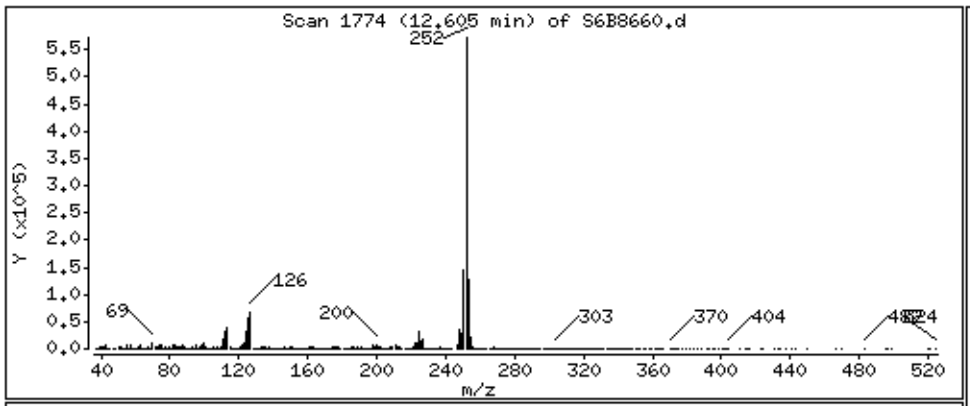
Client ID: SS-30-071014 Instrument: S6.i

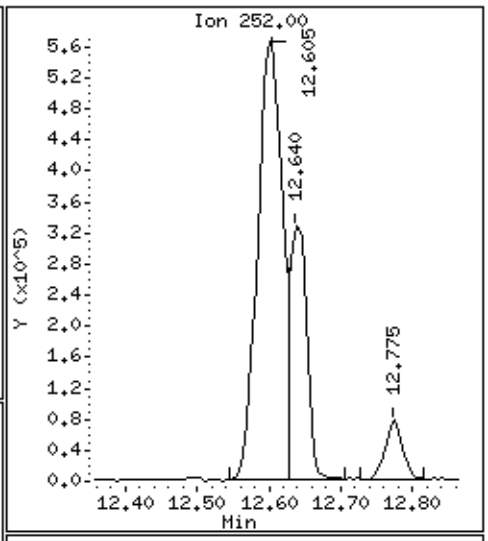
Sample Info: N1194-22A,,78076

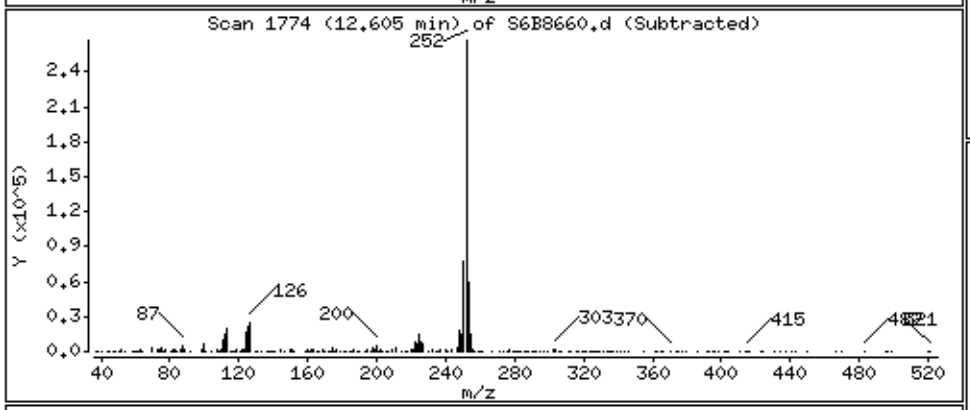
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

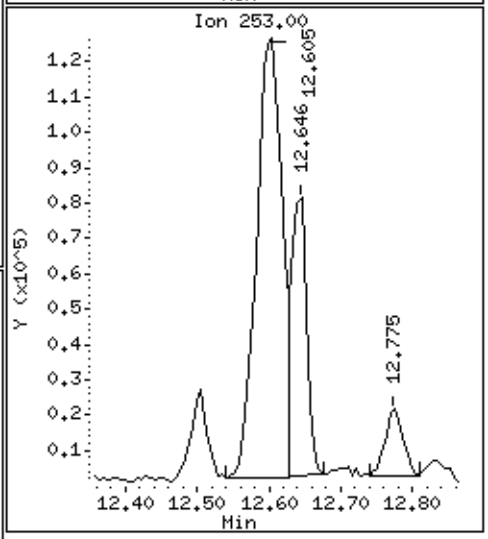
Column phase: Rxi-5Sil MS Column diameter: 0.25

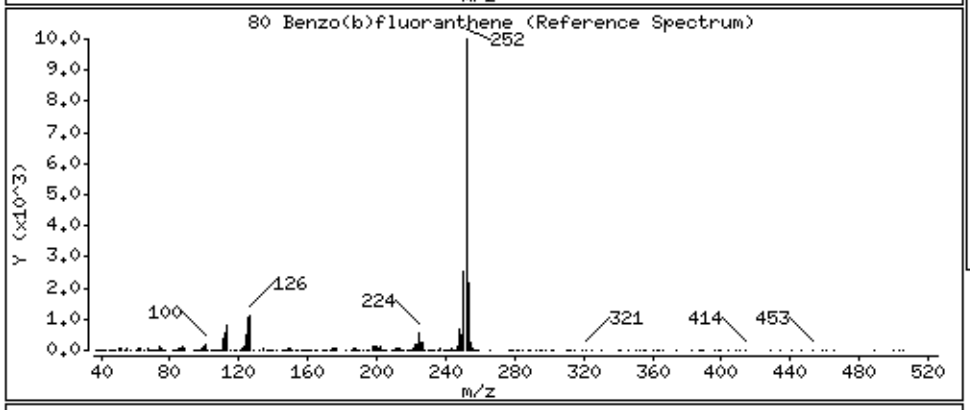
80 Benzo(b)fluoranthene Concentration: 2900 ug/Kg

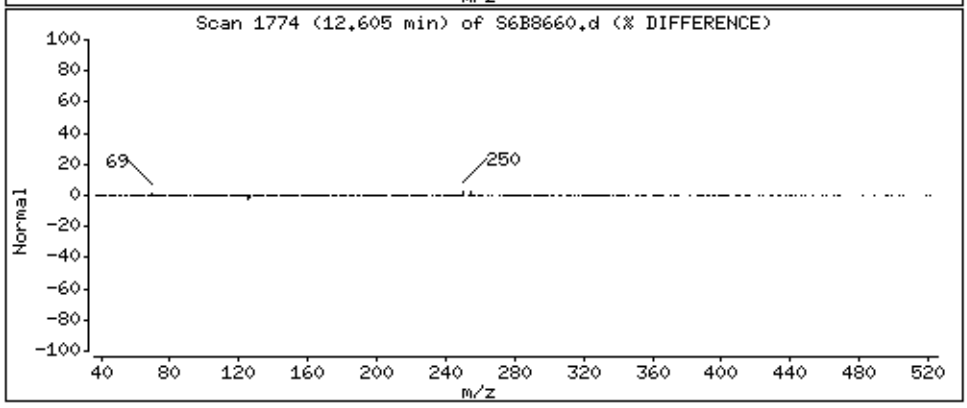












Data File: \\avogadro\organics\S6.I\140718.B\S6B8660.d

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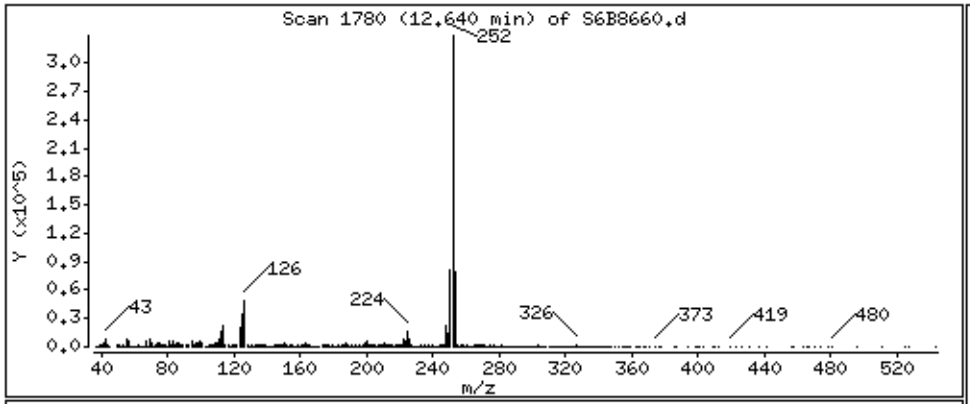
Client ID: SS-30-071014 Instrument: S6.i

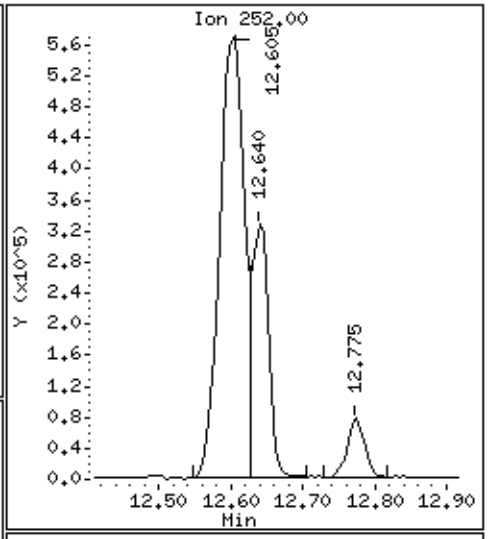
Sample Info: N1194-22A,,78076

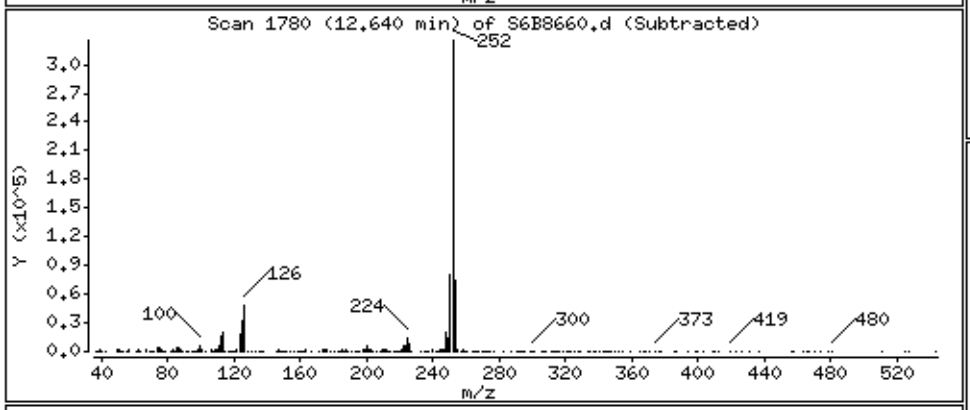
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

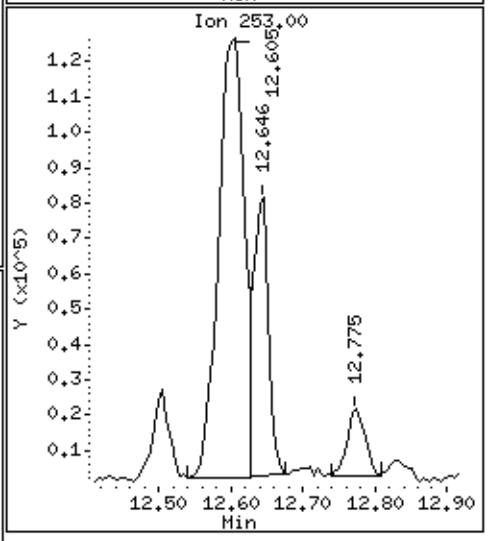
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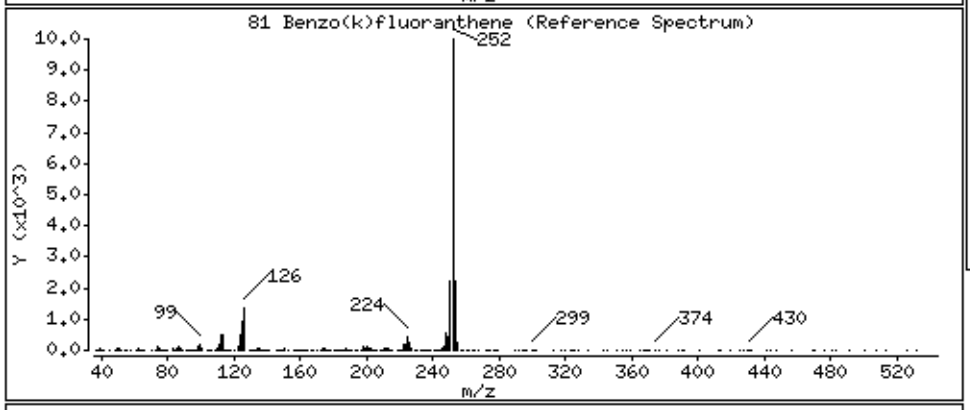
81 Benzo(k)fluoranthene Concentration: 1100 ug/Kg

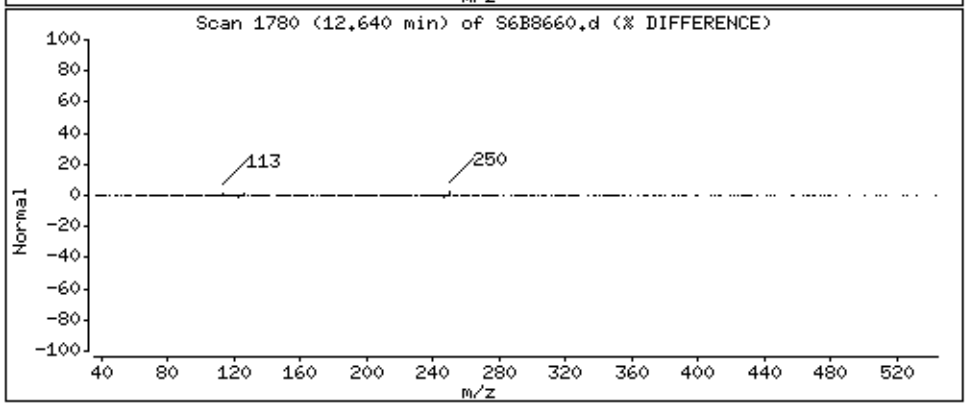












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Date : 18-JUL-2014 15:53

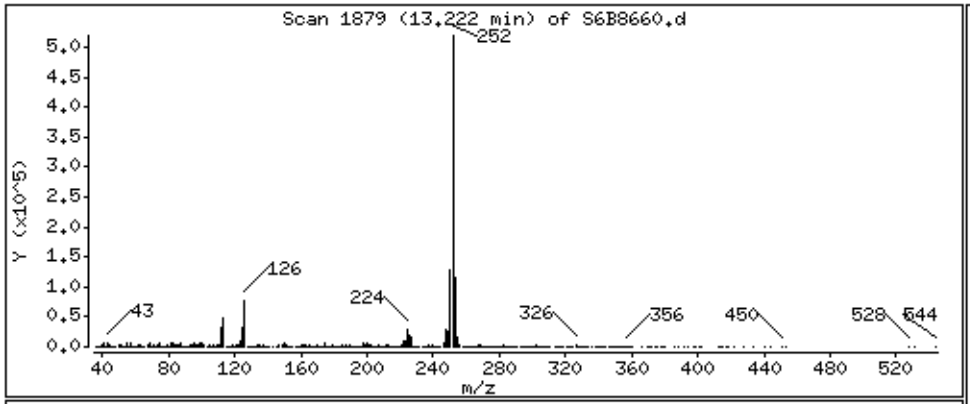
Client ID: SS-30-071014 Instrument: S6.i

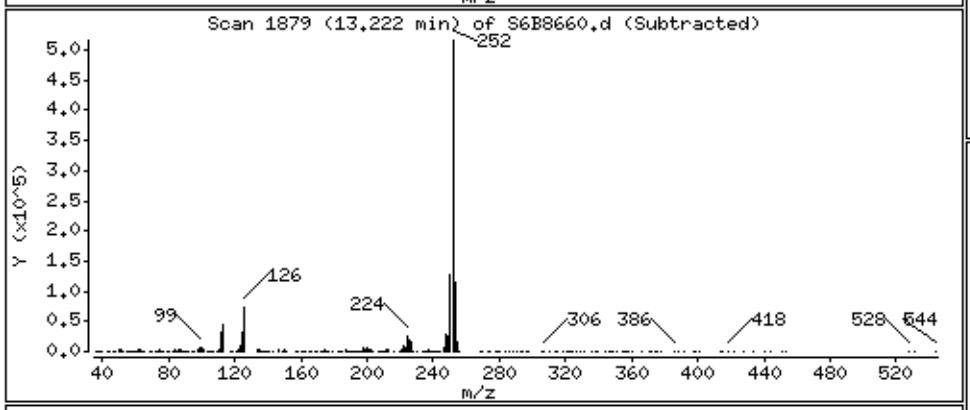
Sample Info: N1194-22A,,78076

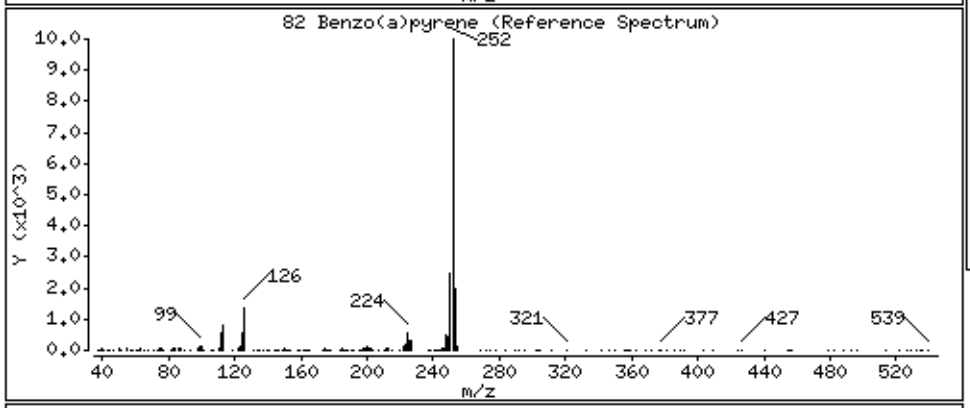
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

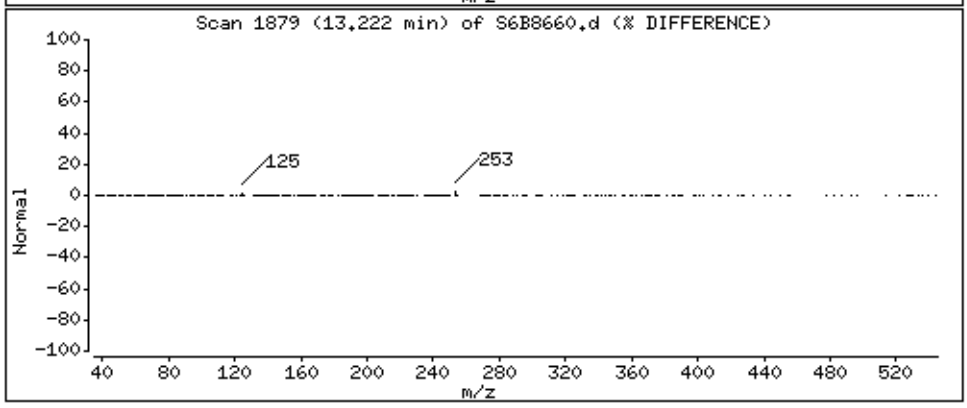
Column phase: Rxi-5Sil MS Column diameter: 0.25

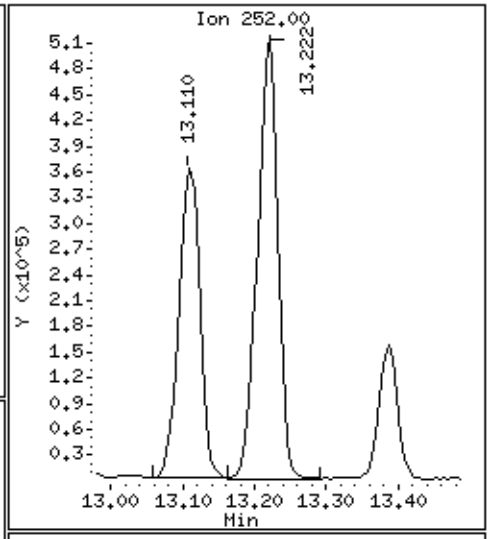
82 Benzo(a)pyrene Concentration: 2200 ug/Kg

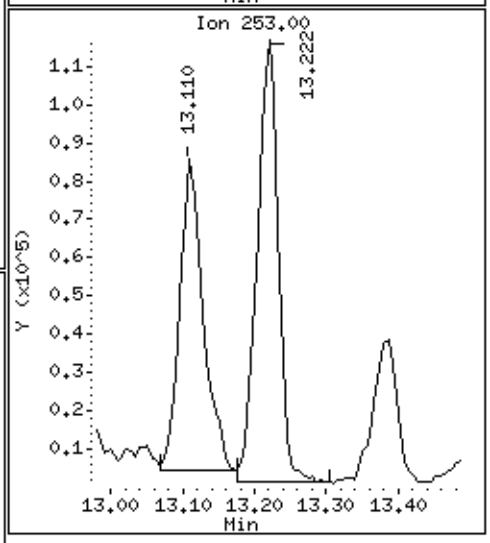












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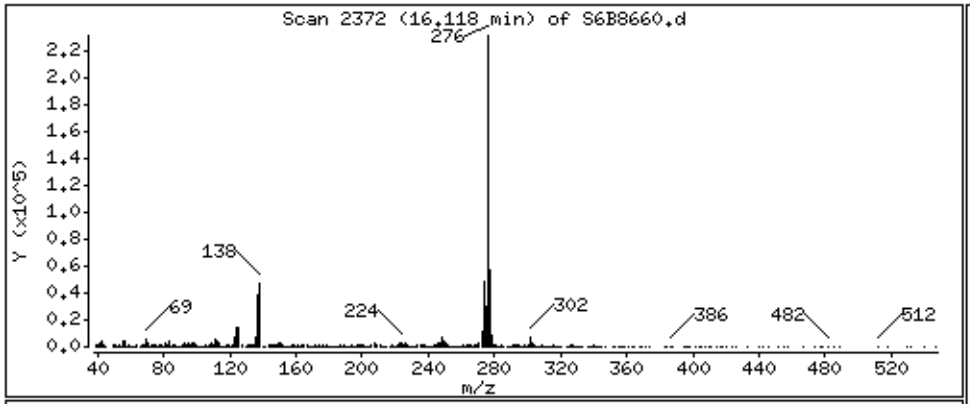
Client ID: SS-30-071014 Instrument: S6.i

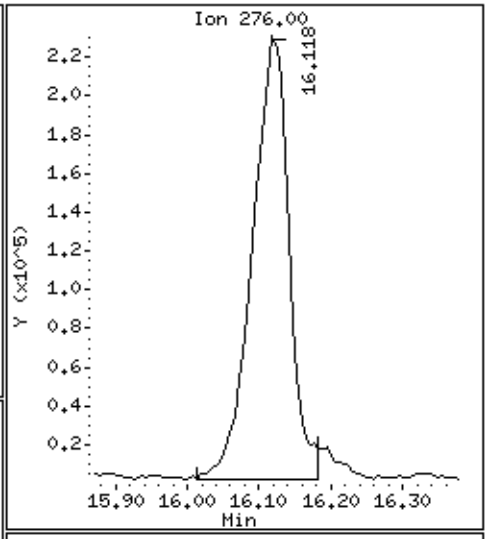
Sample Info: N1194-22A,,78076

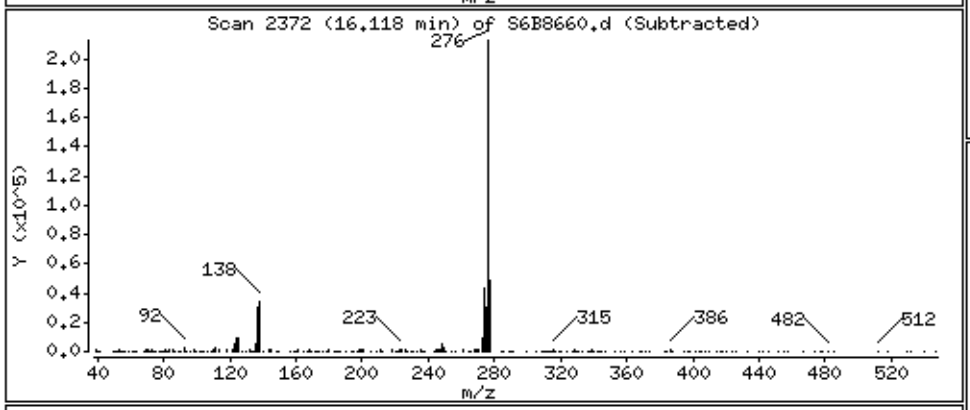
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

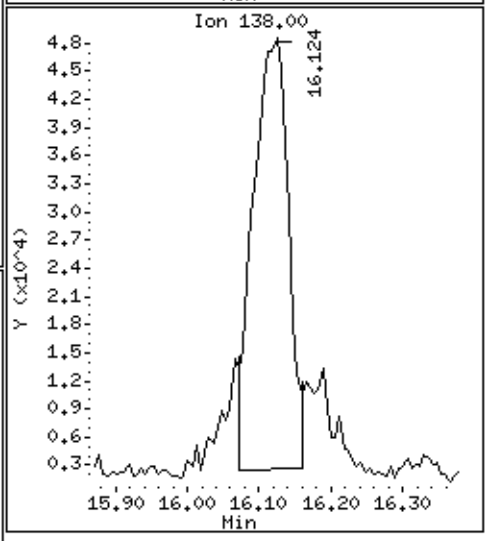
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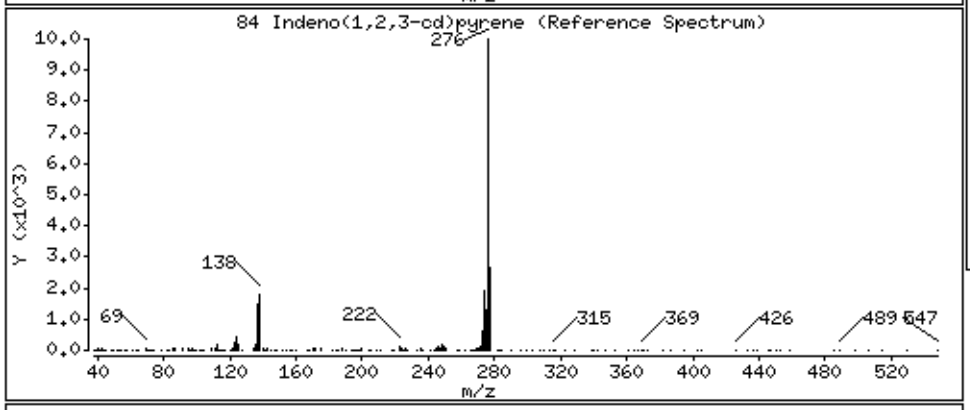
84 Indeno(1,2,3-cd)pyrene Concentration: 2000 ug/Kg

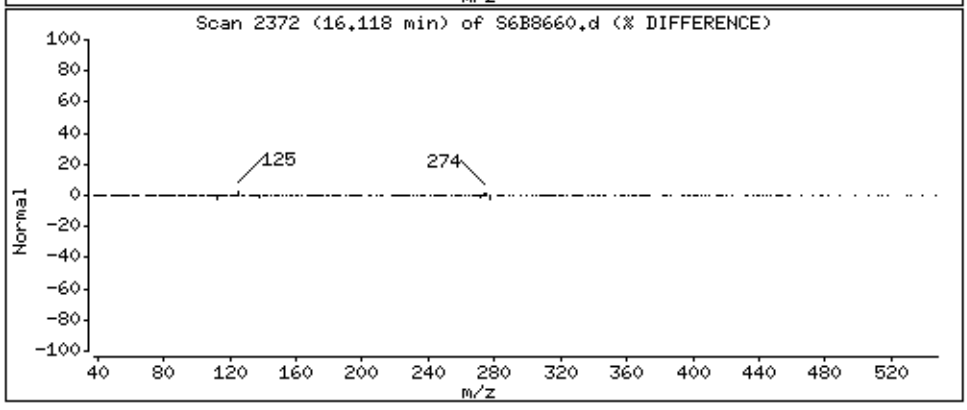












Data File: \\avogadro\organics\S6.I\140718.B\S6B8660.d

Date : 18-JUL-2014 15:53

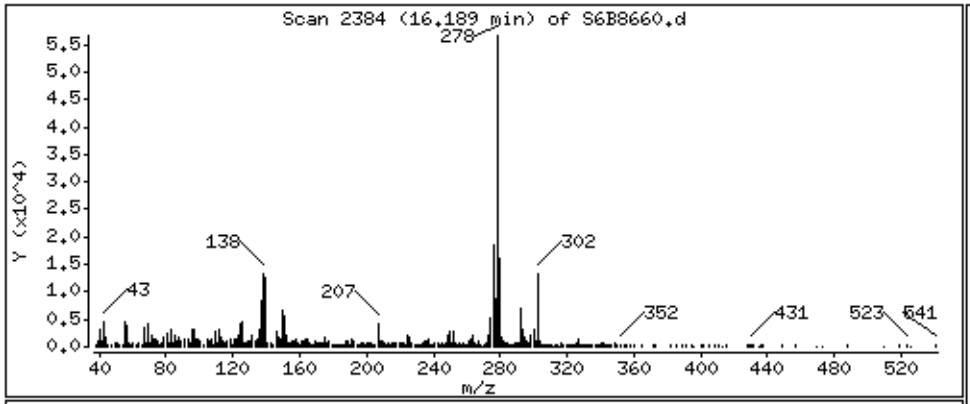
Client ID: SS-30-071014 Instrument: S6.i

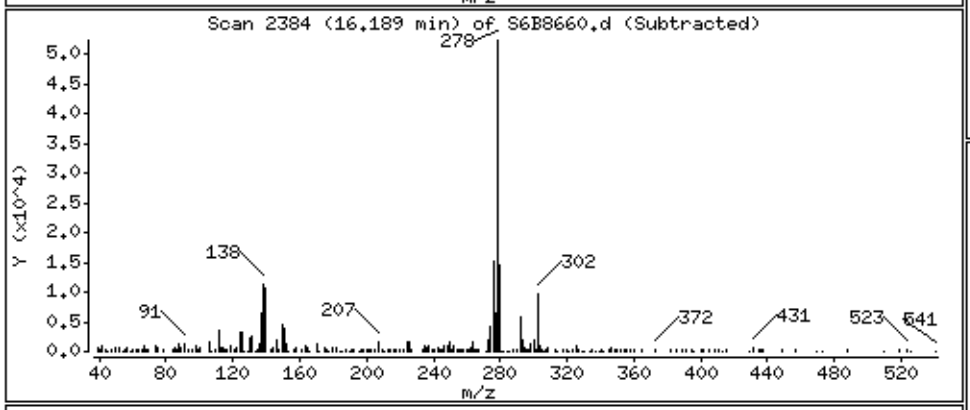
Sample Info: N1194-22A,,78076

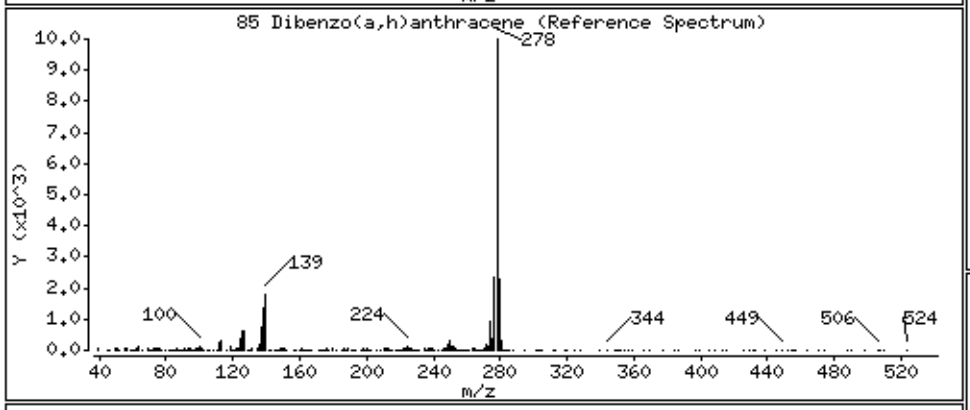
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

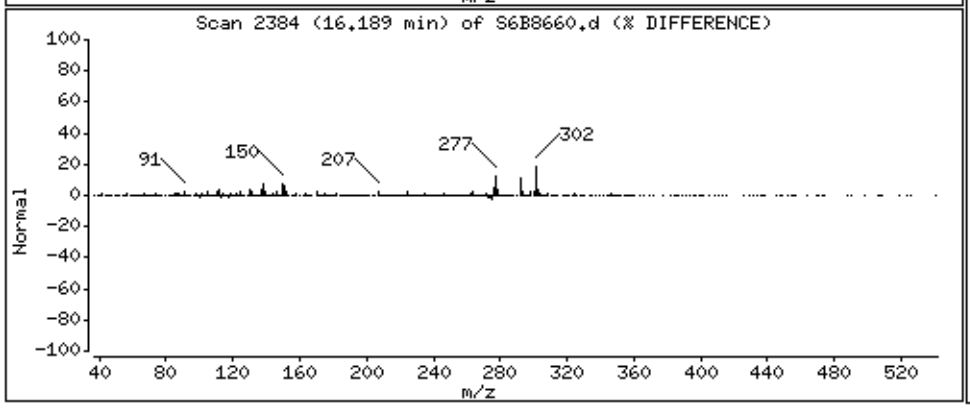
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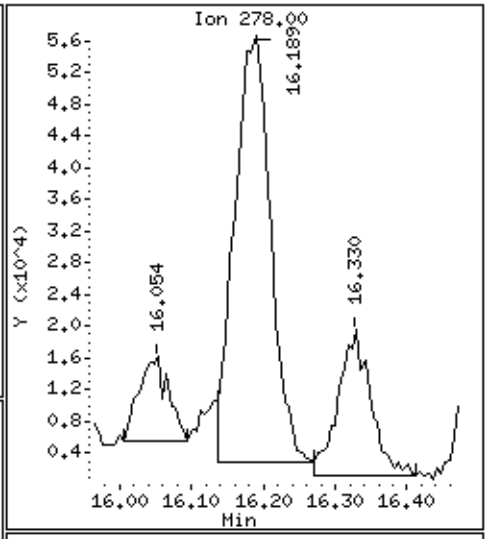
85 Dibenzo(a,h)anthracene Concentration: 480 ug/Kg

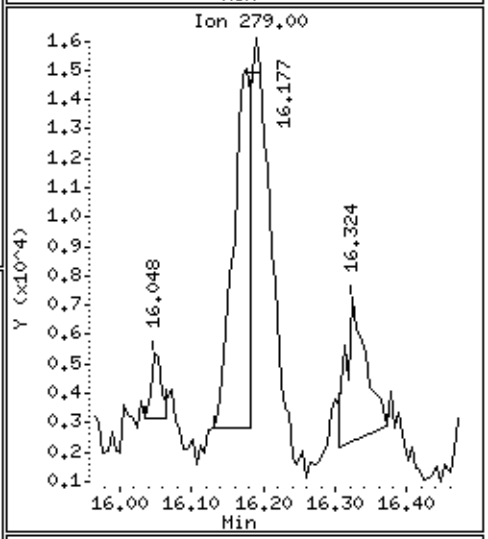


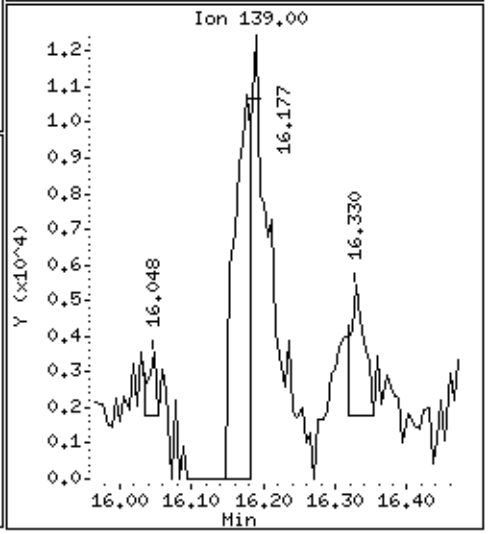












Data File: \\avogadro\organics\S6.I\140718.B\S6B8660.d

Date : 18-JUL-2014 15:53

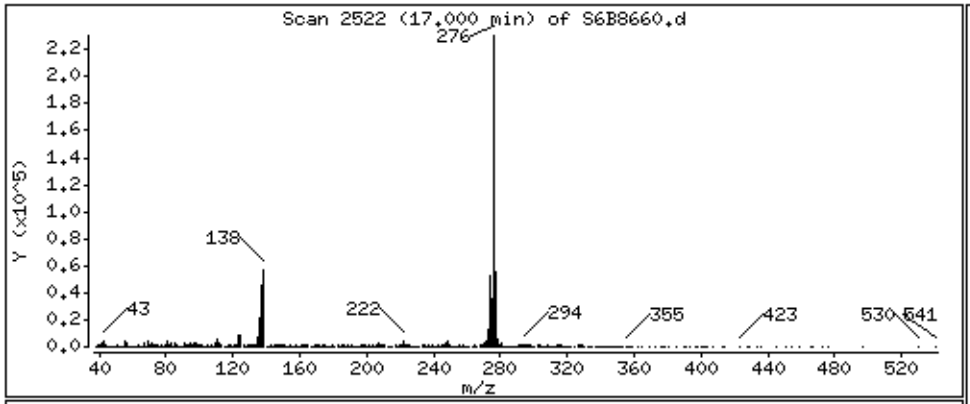
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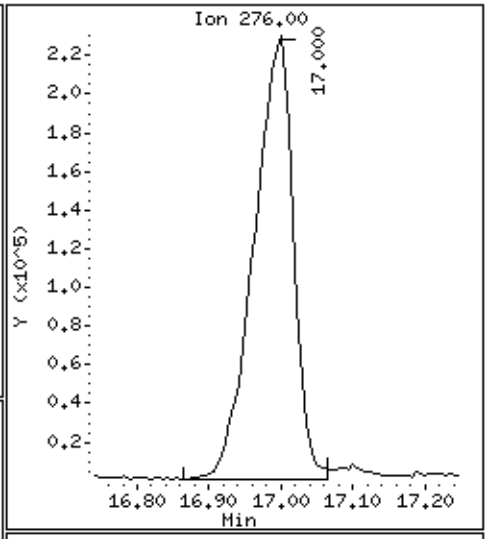
Sample Info: N1194-22A,,78076

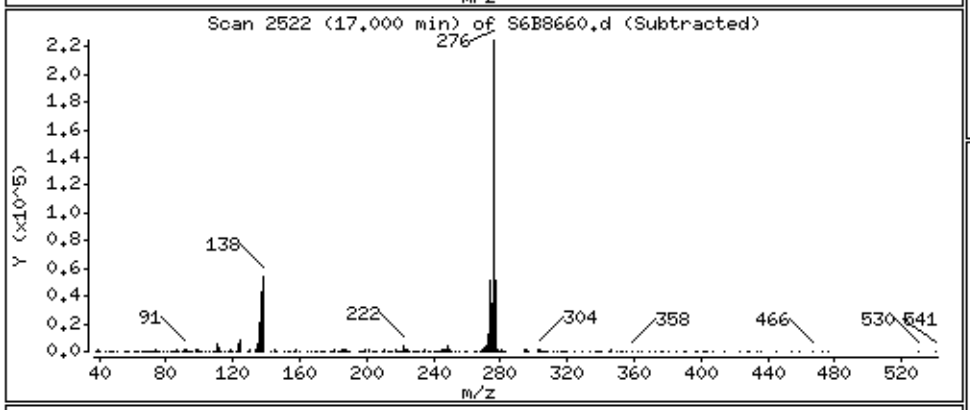
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

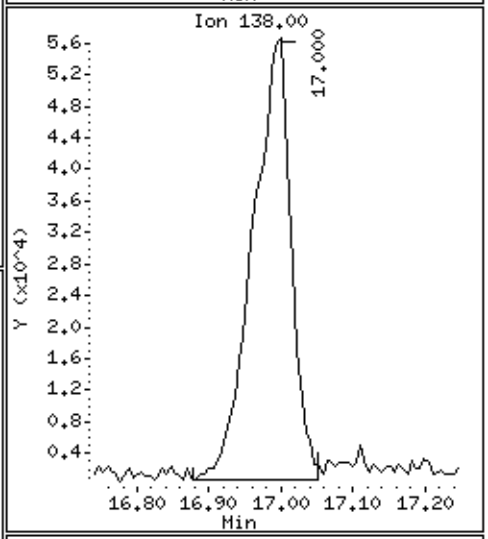
Column phase: Rxi-5Sil MS Column diameter: 0.25

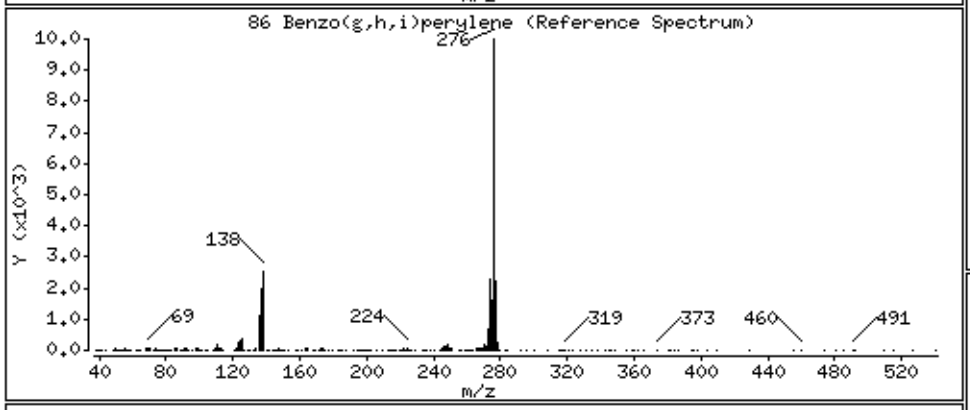
86 Benzo(g,h,i)perylene Concentration: 2100 ug/Kg

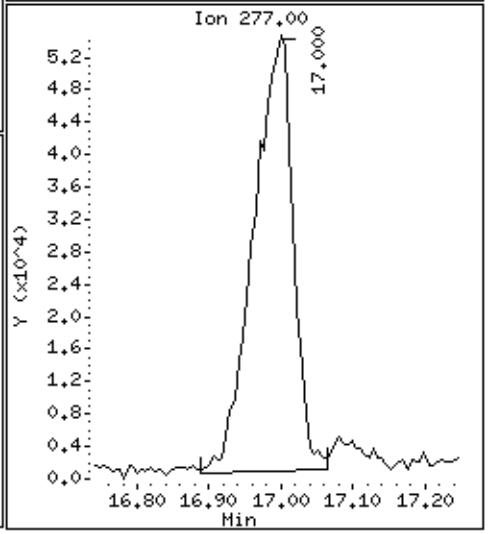


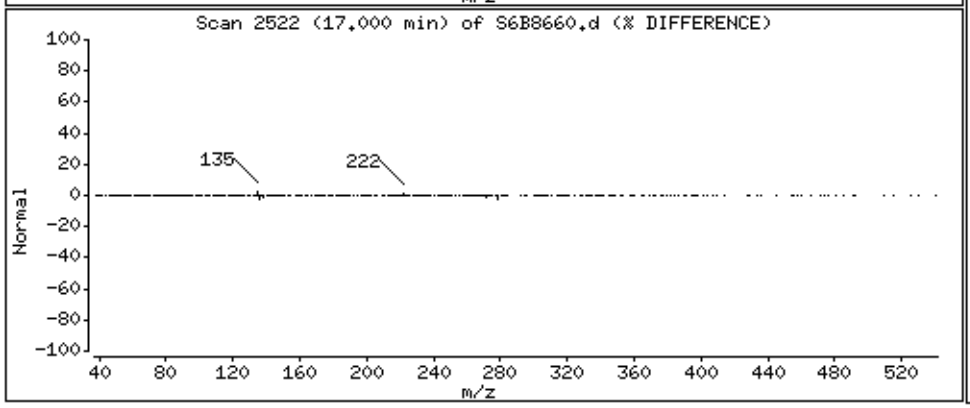












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-31-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-23A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8661.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	100	J
86-73-7	Fluorene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	240	J
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	660	
129-00-0	Pyrene	740	
56-55-3	Benzo(a)anthracene	720	
218-01-9	Chrysene	850	
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	620	
50-32-8	Benzo(a)pyrene	1300	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenzo(a,h)anthracene	290	J
191-24-2	Benzo(g,h,i)perylene	1400	

Data File: \\avogadro\organics\S6.I\140718.B\S6B8661.d
Report Date: 21-Jul-2014 13:15

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140718.B\S6B8661.d
Lab Smp Id: N1194-23A Client Smp ID: SS-31-071014
Inj Date : 18-JUL-2014 16:16
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-23A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140718.B\S6_8270C_N.m
Meth Date : 21-Jul-2014 13:13 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.300	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.814	3.803	(0.775)	306812	33.2362	2200
$	5 Phenol-d5	99	4.625	4.625	(0.939)	383647	32.5542	2100
*	12 1,4-Dichlorobenzene-d4	152	4.925	4.925	(1.000)	278693	40.0000	
$	22 Nitrobenzene-d5	82	5.395	5.395	(0.899)	382318	39.5151	2600
*	31 Naphthalene-d8	136	6.000	6.000	(1.000)	938699	40.0000	
$	41 2-Fluorobiphenyl	172	6.893	6.893	(0.924)	792821	37.8140	2500
*	48 Acenaphthene-d10	164	7.463	7.463	(1.000)	599119	40.0000	
	49 Acenaphthene	153	7.486	7.492	(1.003)	23888	1.31117	86(a)
$	60 2,4,6-Tribromophenol	330	8.115	8.115	(0.934)	100794	37.3898	2400
*	64 Phenanthrene-d10	188	8.691	8.697	(1.000)	1170957	40.0000	
	65 Phenanthrene	178	8.709	8.715	(1.002)	98271	3.10796	200(a)
	69 Fluoranthene	202	9.702	9.708	(1.116)	312872	8.64594	560(a)
	71 Pyrene	202	9.895	9.901	(0.895)	321698	9.62001	630(a)
$	72 Terphenyl-d14	244	10.013	10.019	(0.906)	867110	39.9226	2600
	75 Benzo(a)anthracene	228	11.041	11.059	(0.999)	290046	9.35614	610(a)
*	76 Chrysene-d12	240	11.053	11.077	(1.000)	1085760	40.0000	
	77 Chrysene	228	11.082	11.106	(1.003)	316180	11.1126	730
	80 Benzo(b)fluoranthene	252	12.598	12.610	(0.945)	657505	20.8388	1400
	81 Benzo(k)fluoranthene	252	12.633	12.663	(0.948)	257647	8.04243	520(a)

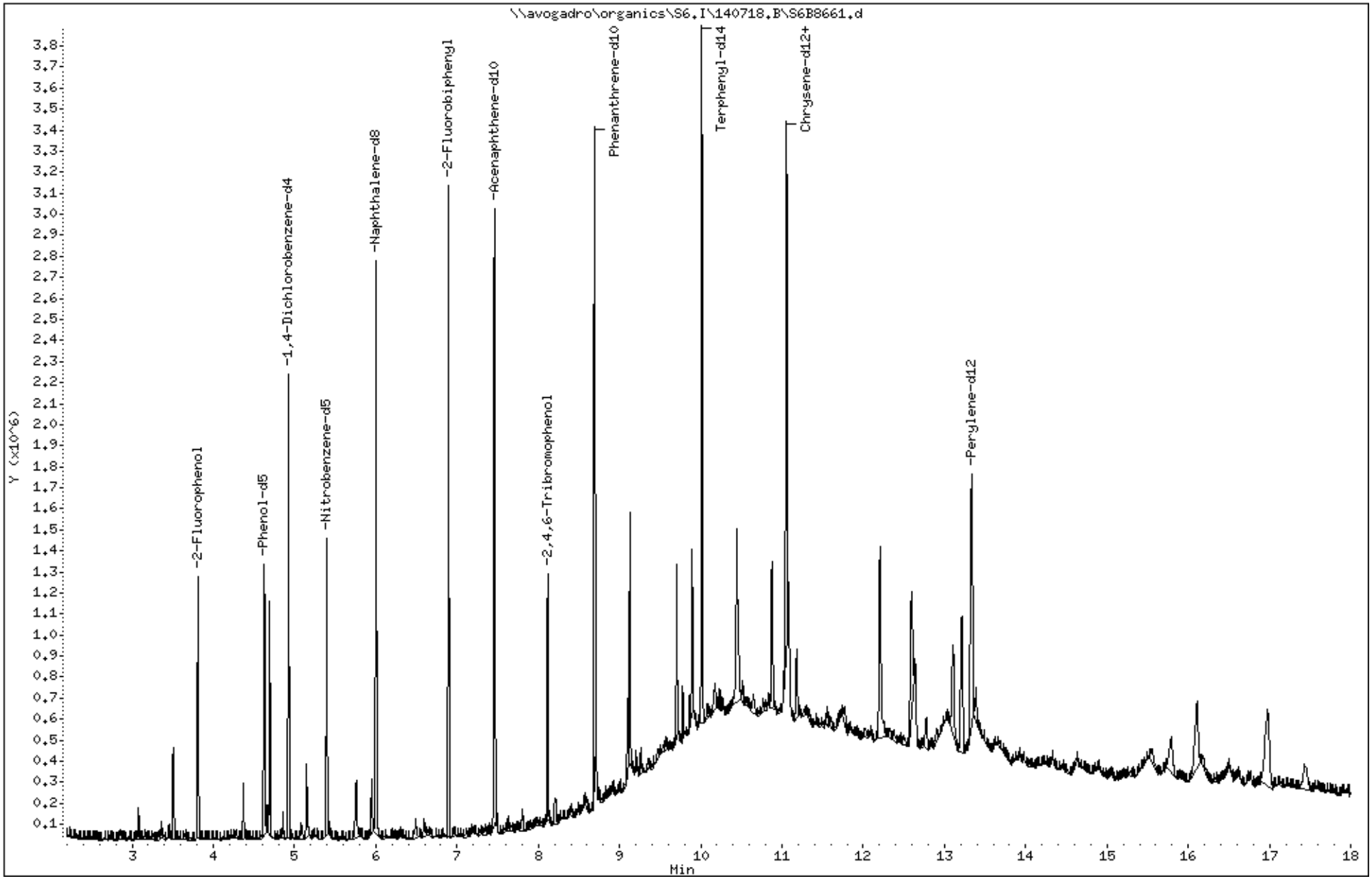
Data File: \\avogadro\organics\S6.I\140718.B\S6B8661.d
Report Date: 21-Jul-2014 13:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
82	Benzo(a)pyrene	252	13.215	13.233	(0.991)	498626	16.5640	1100
* 83	Perylene-d12	264	13.333	13.356	(1.000)	1073190	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.106	16.124	(1.208)	453533	17.2669	1100
85	Dibenzo(a,h)anthracene	278	16.182	16.218	(1.214)	96256	3.76661	250(a)
86	Benzo(g,h,i)perylene	276	16.975	16.993	(1.273)	502626	18.5301	1200

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\avogadro\organics\S6.I\140718.B\S6B8661.d
Date : 18-JUL-2014 16:16
Client ID: SS-31-071014
Instrument: S6.i
Sample Info: N1194-23A,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140718.B\S6B8661.d

Date : 18-JUL-2014 16:16

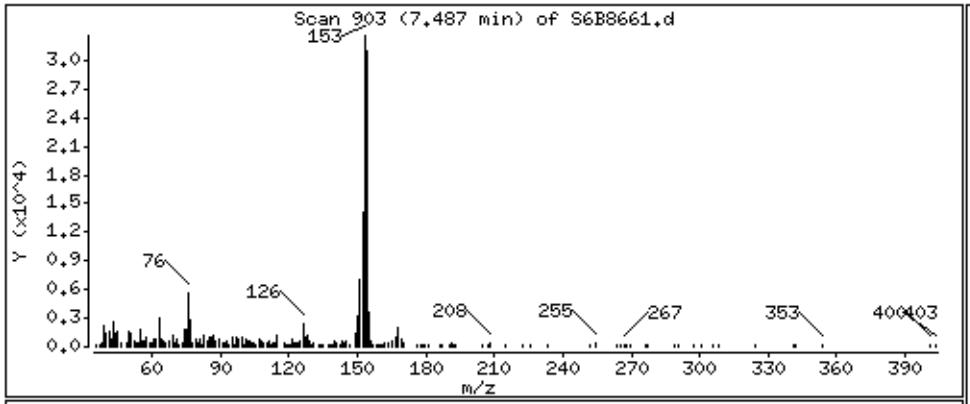
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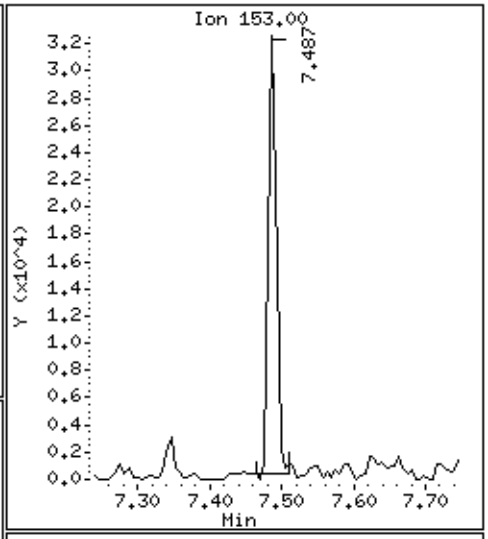
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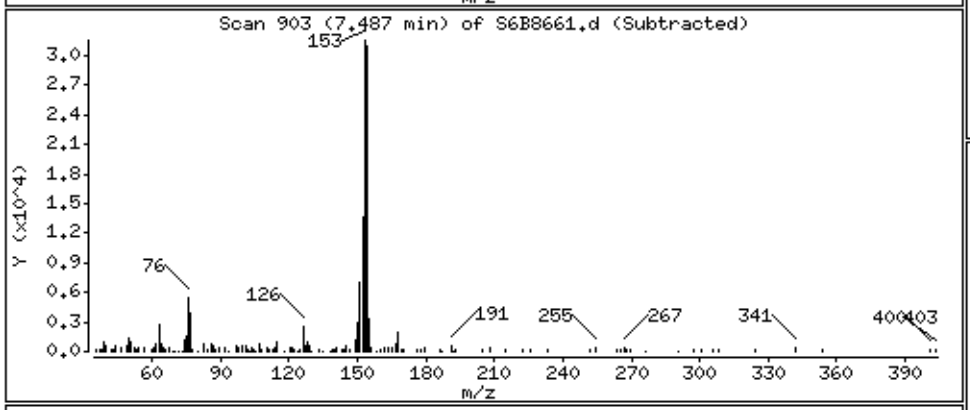
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

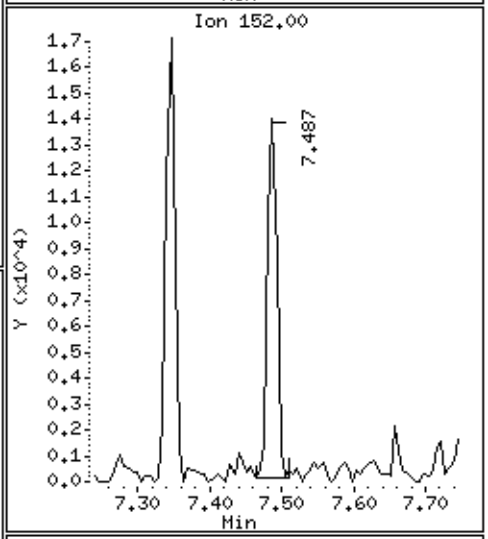
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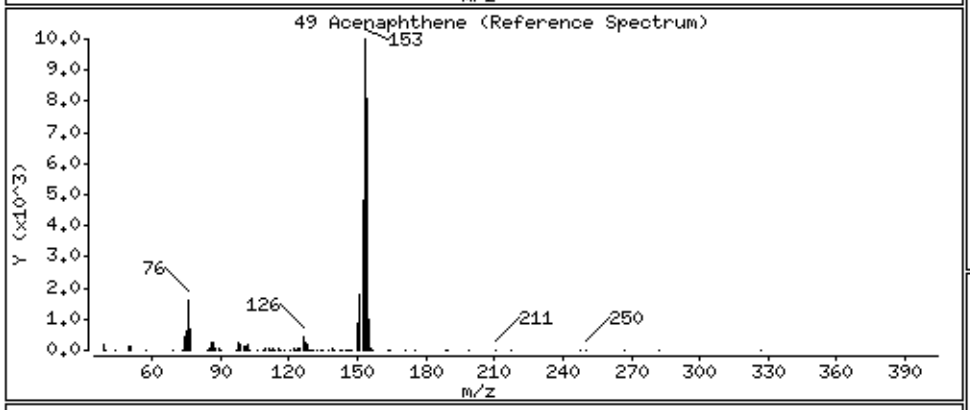
49 Acenaphthene Concentration: 86 ug/Kg

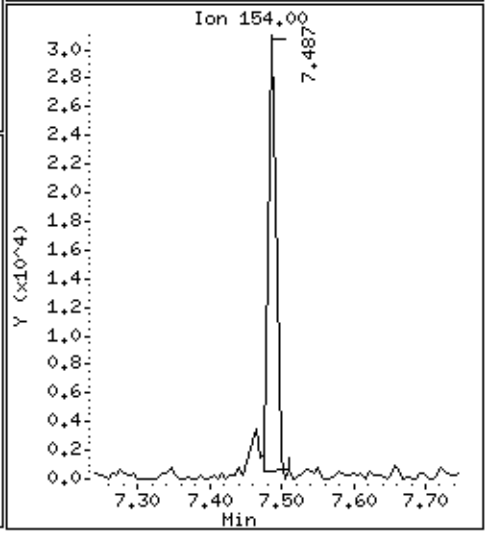


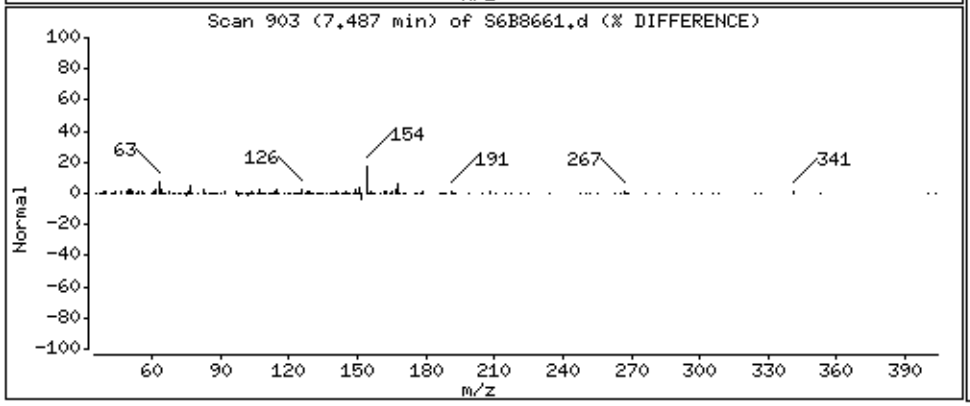












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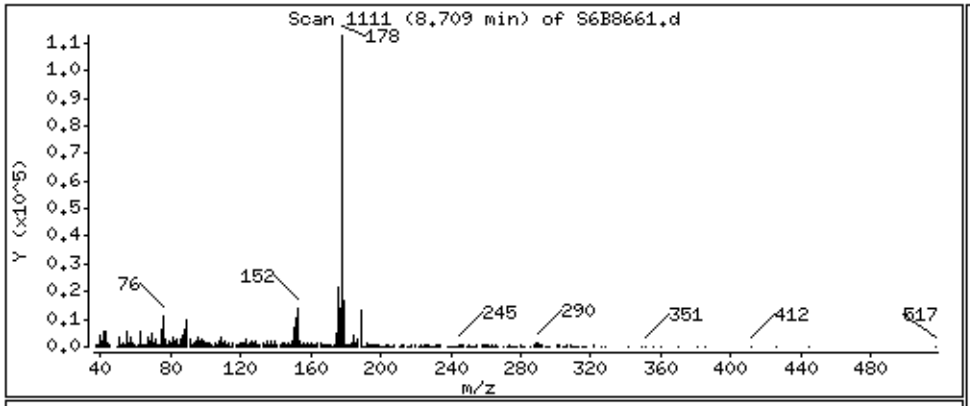
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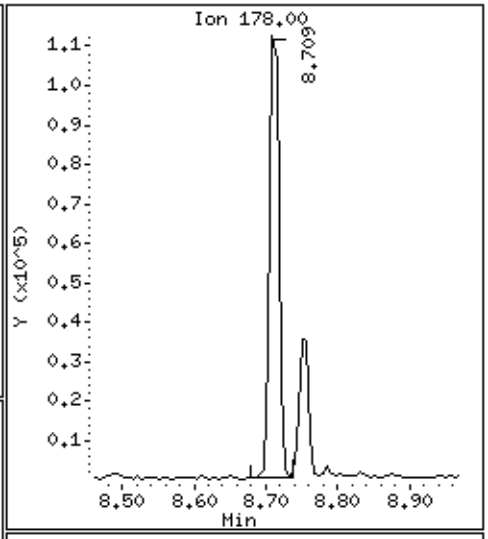
Sample Info: N1194-23A,,78076

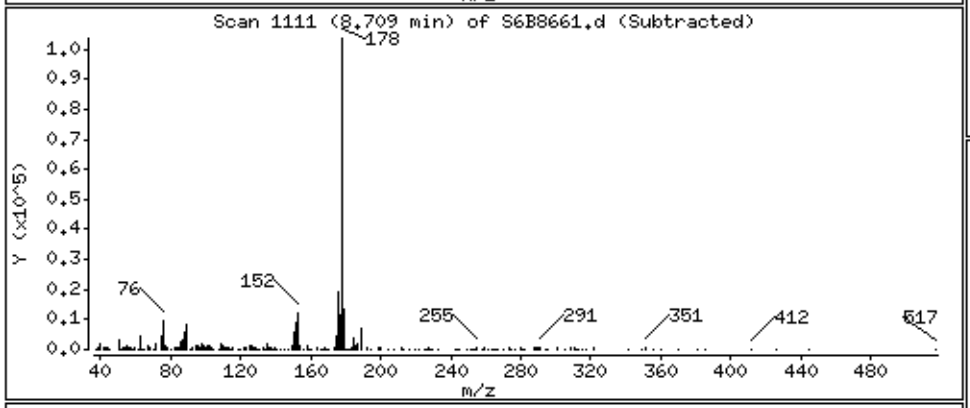
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

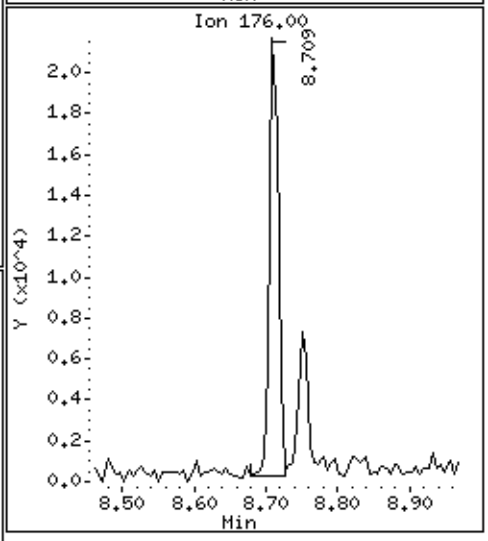
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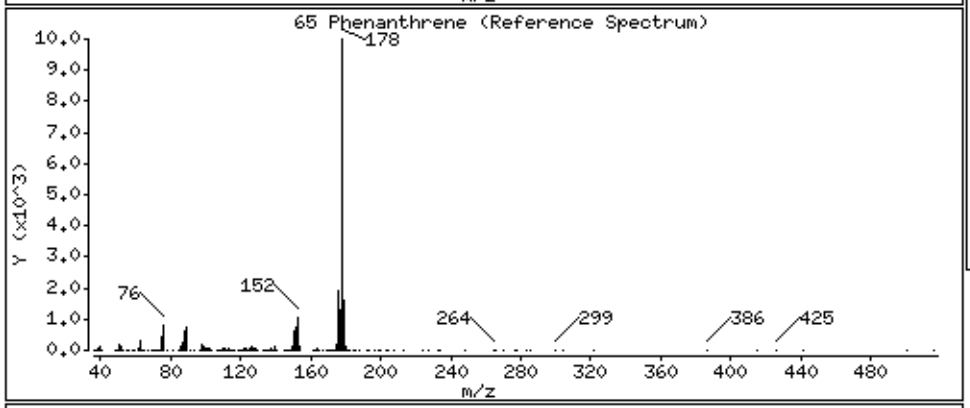
65 Phenanthrene Concentration: 200 ug/Kg

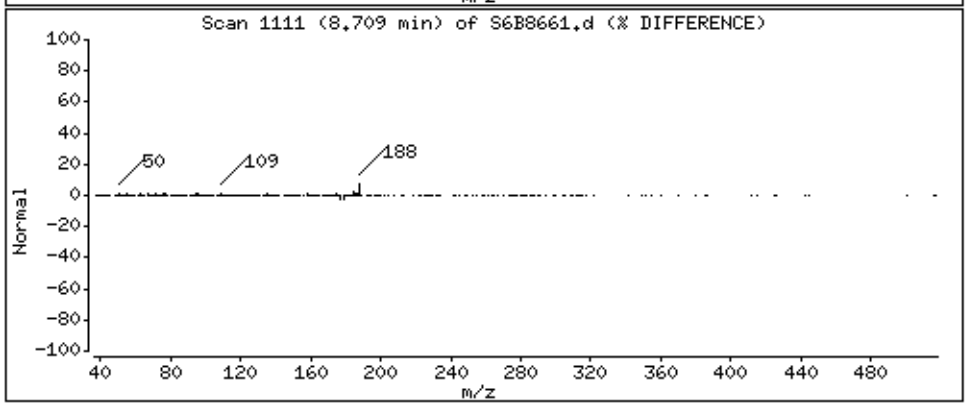












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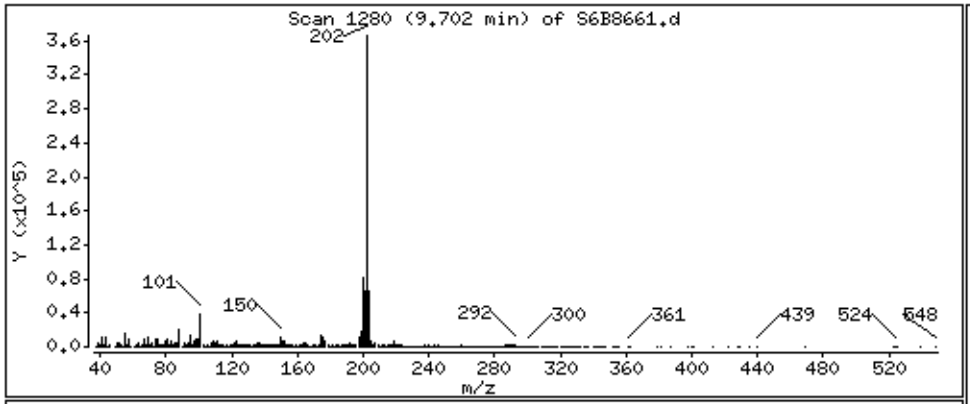
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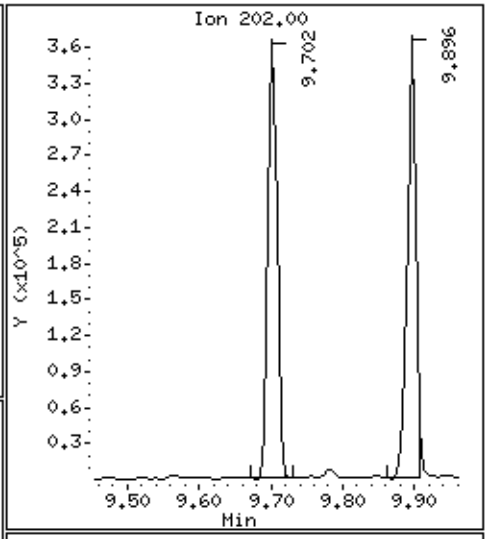
Sample Info: N1194-23A,,78076

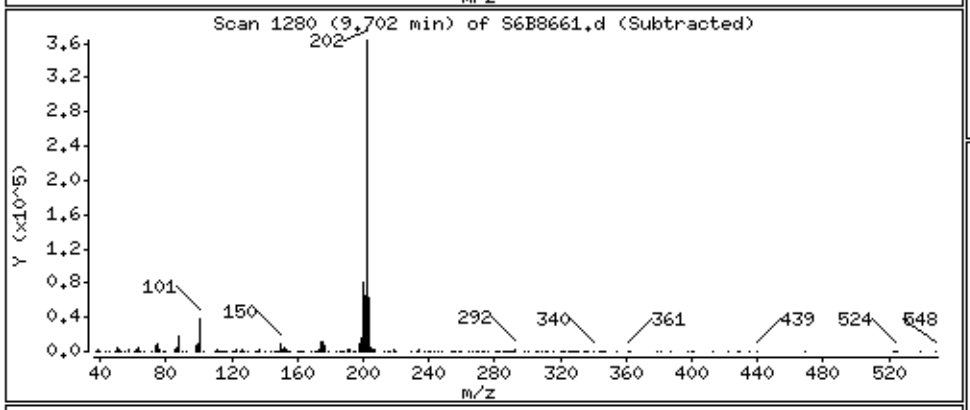
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

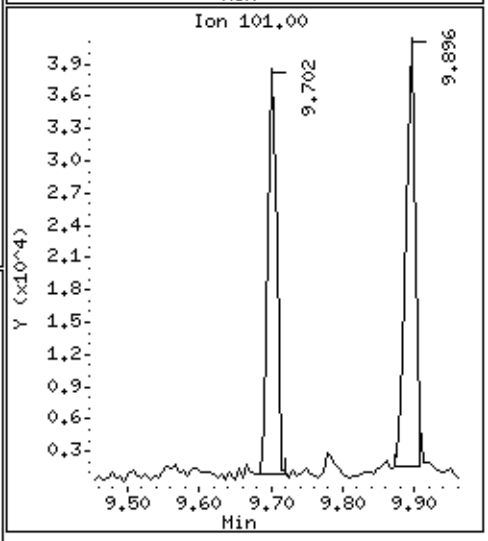
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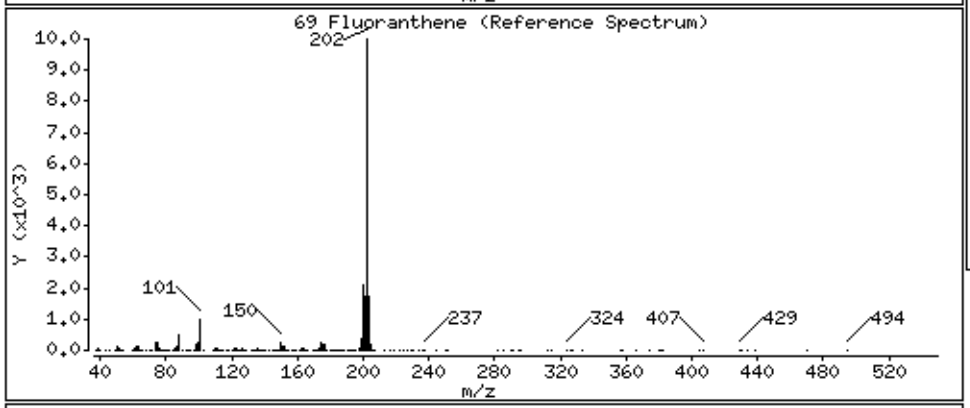
69 Fluoranthene Concentration: 560 ug/Kg

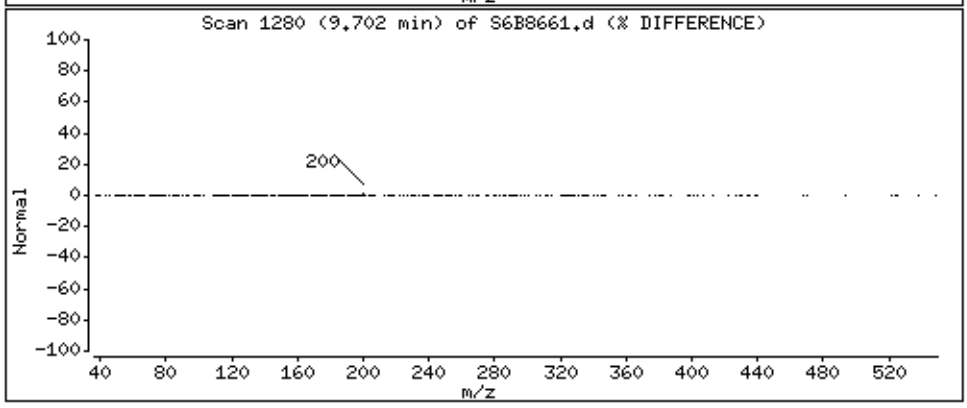












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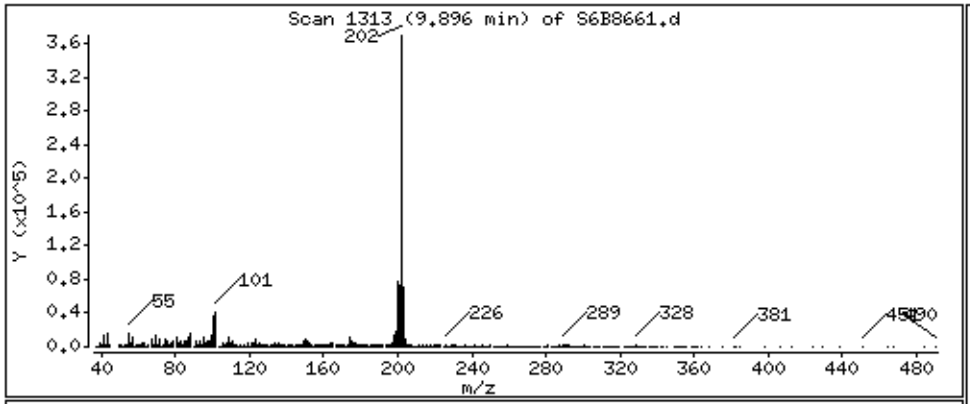
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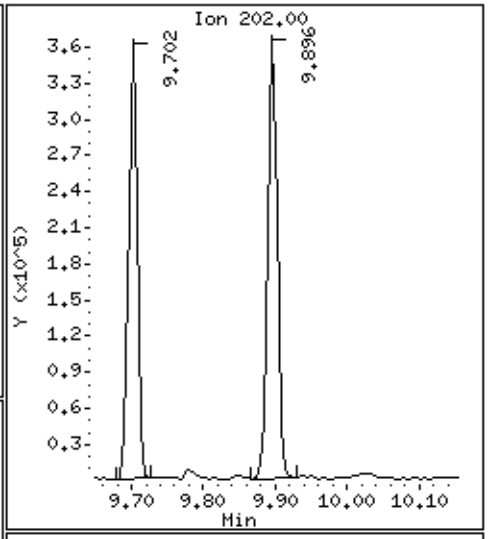
Sample Info: N1194-23A,,78076

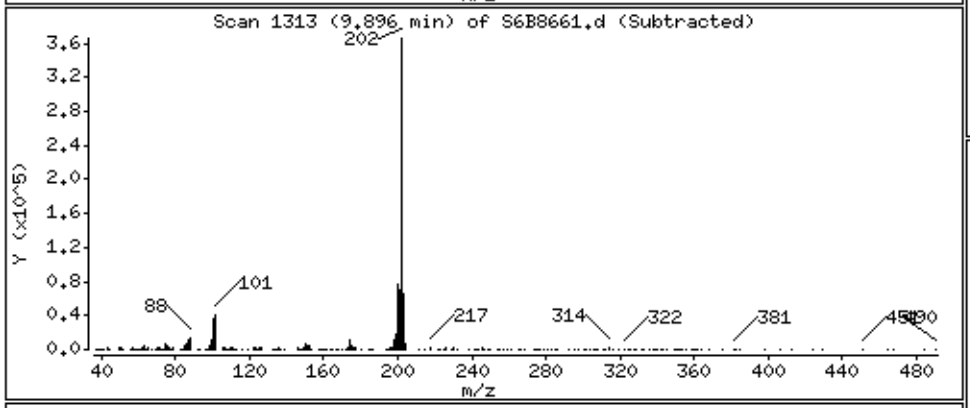
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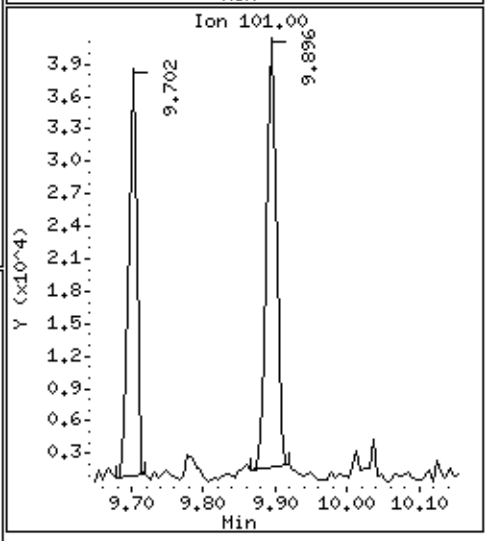
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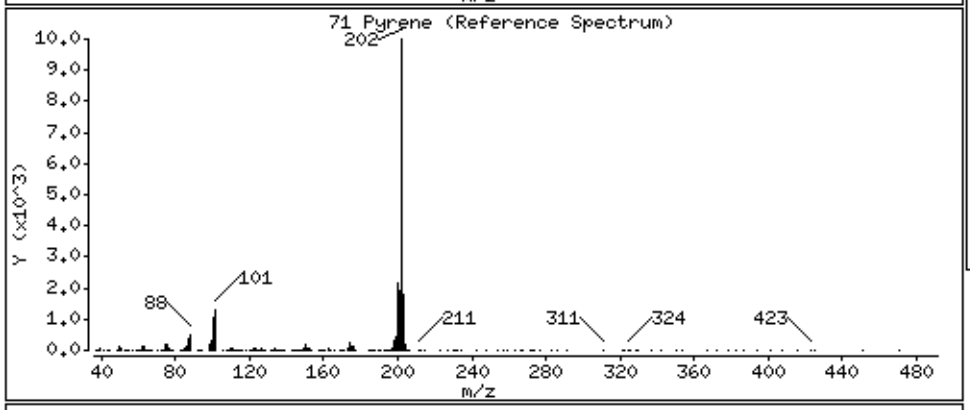
71 Pyrene Concentration: 630 ug/Kg

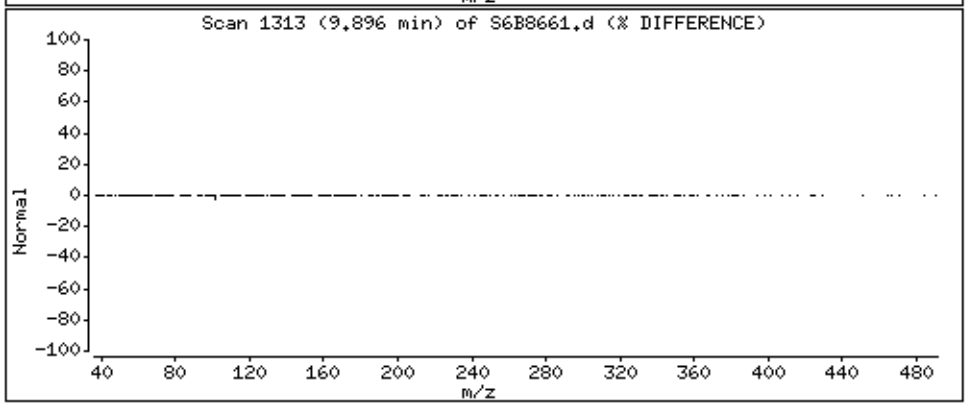












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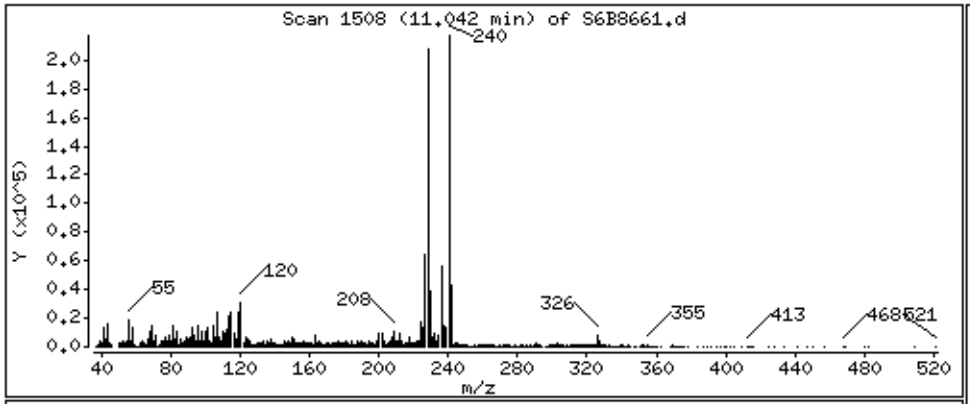
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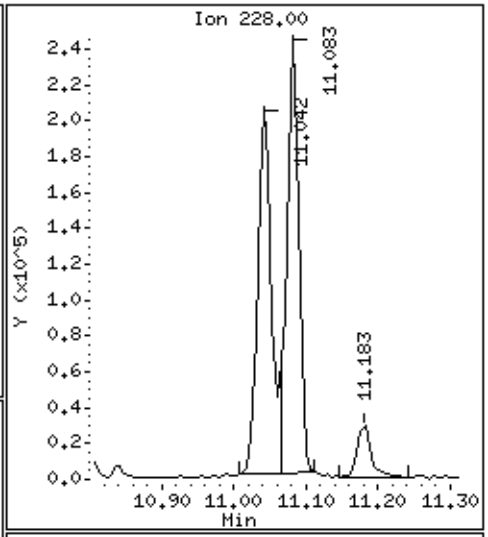
Sample Info: N1194-23A,,78076

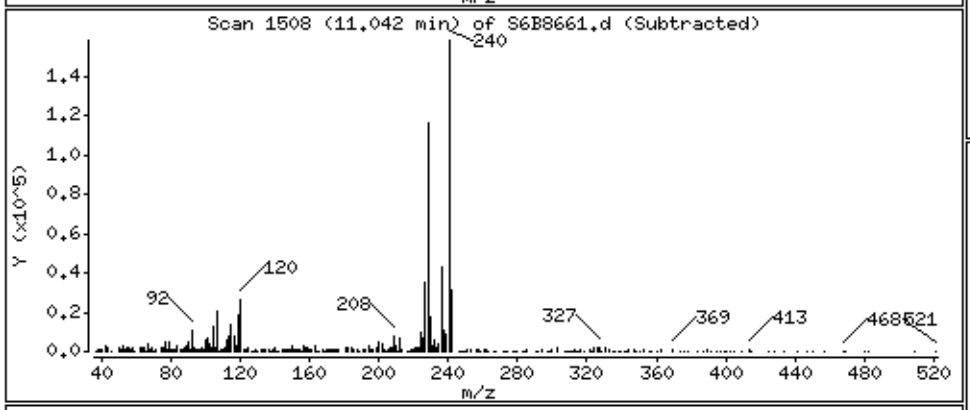
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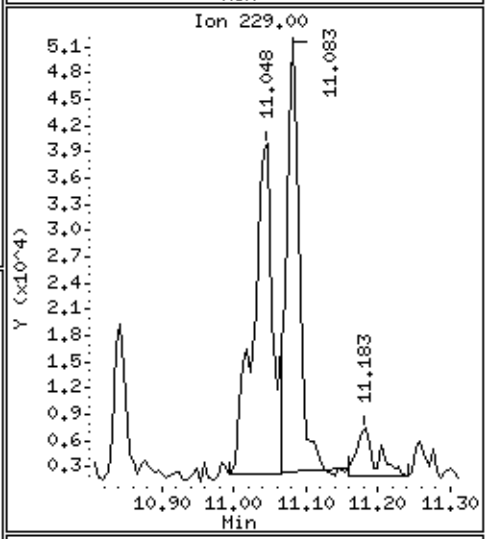
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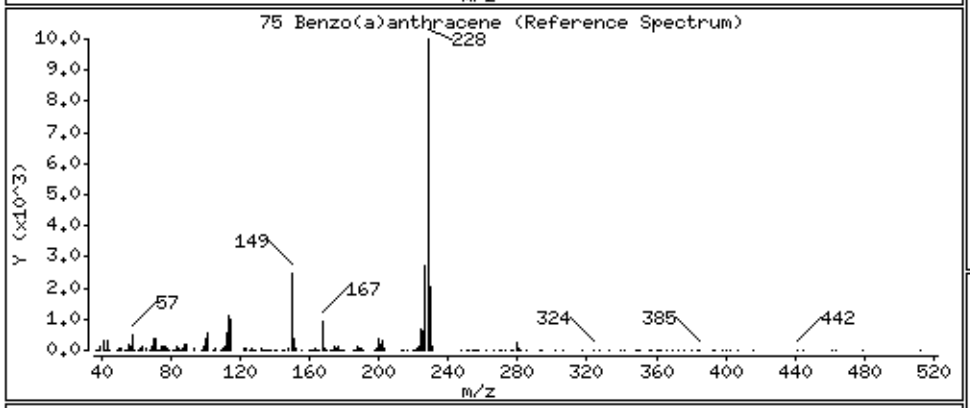
75 Benzo(a)anthracene Concentration: 610 ug/Kg

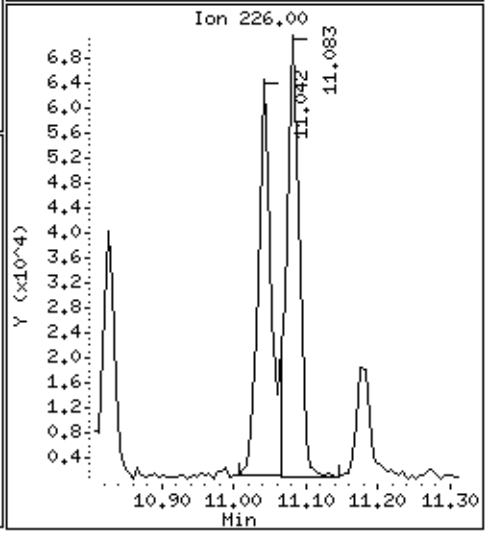


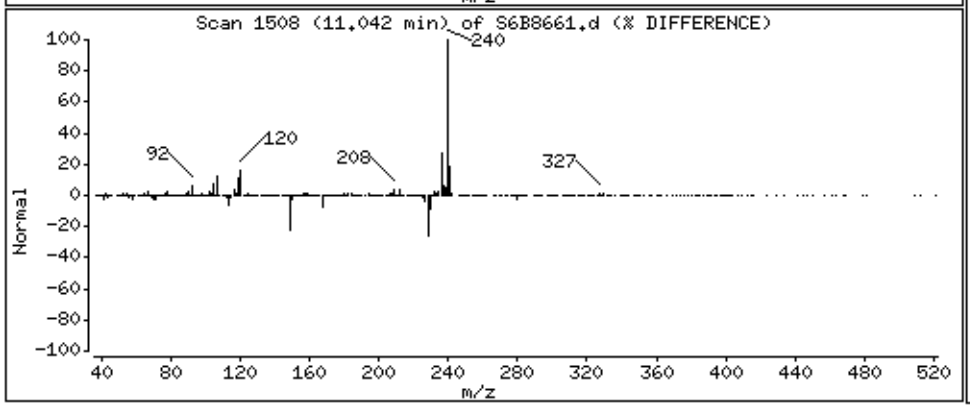












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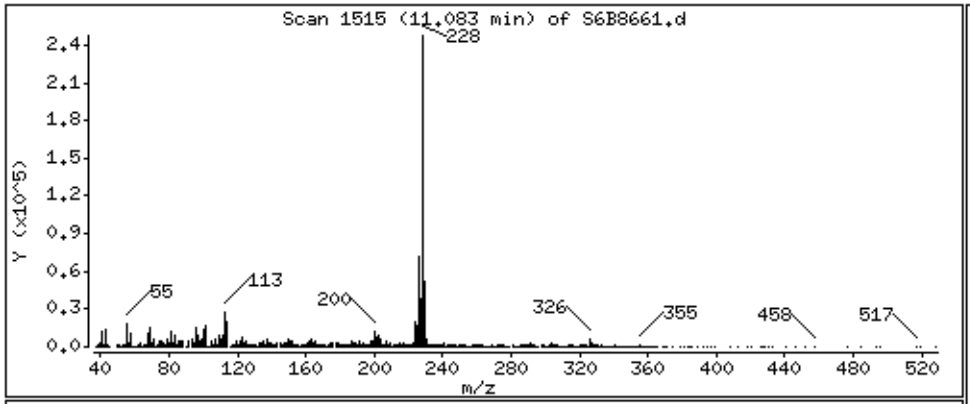
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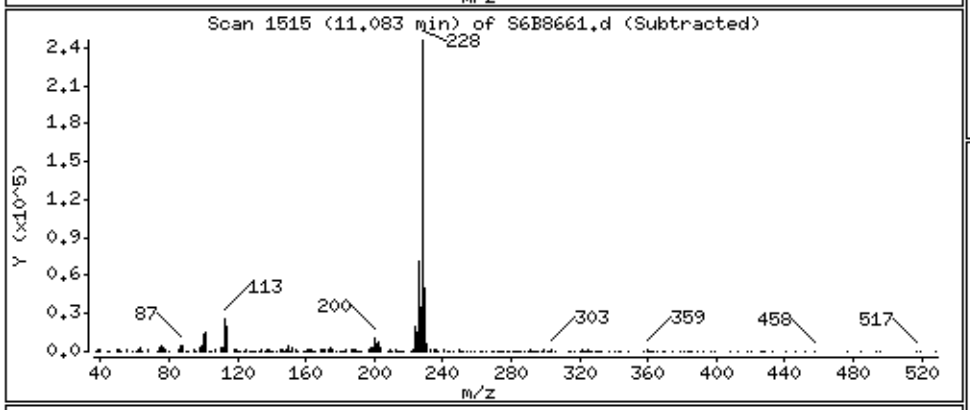
Sample Info: N1194-23A,,78076

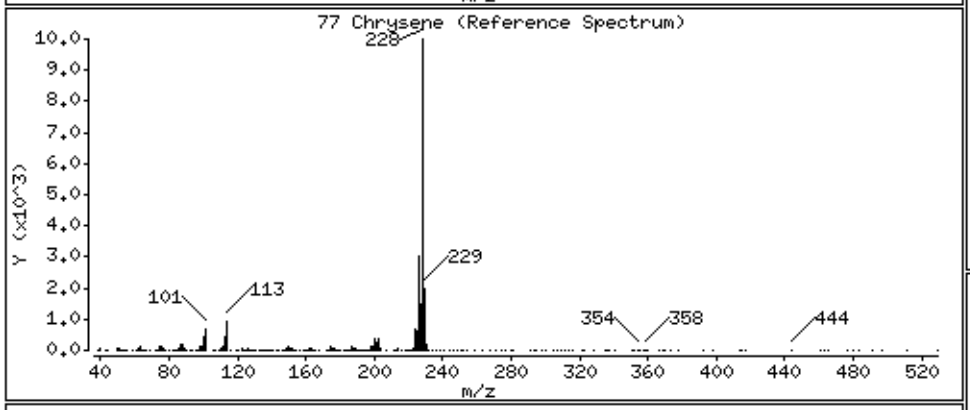
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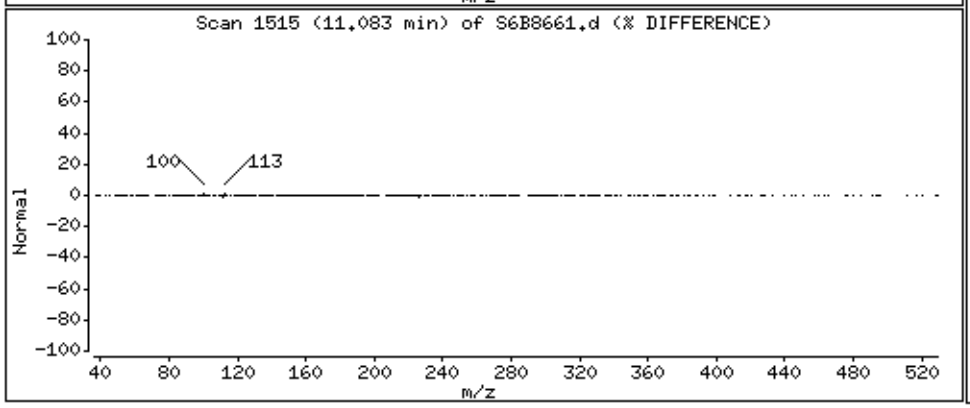
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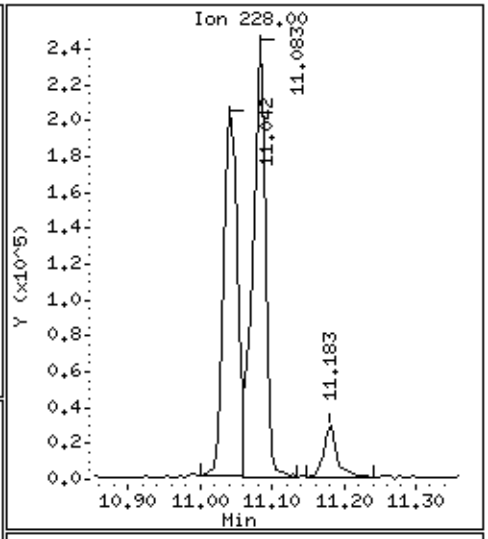
77 Chrysene Concentration: 730 ug/Kg

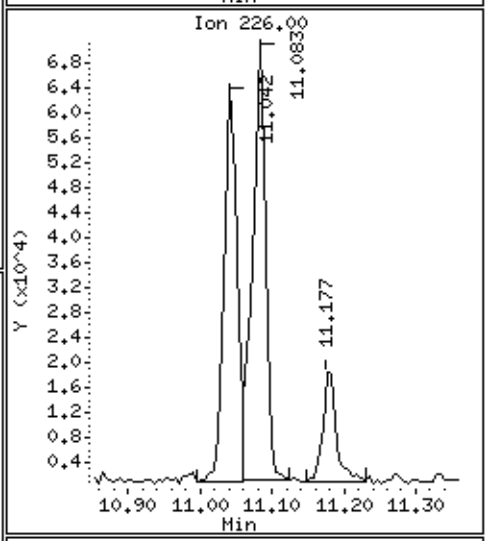


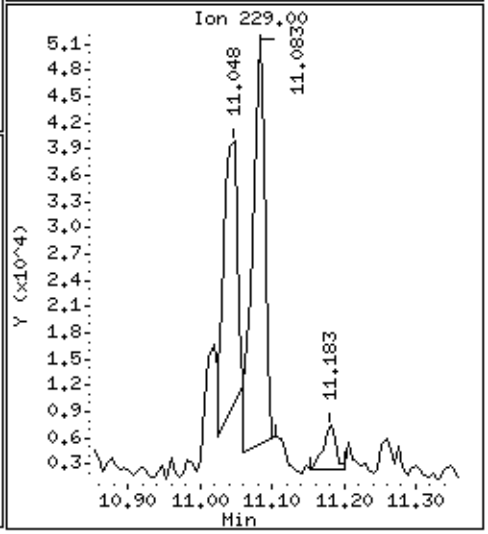












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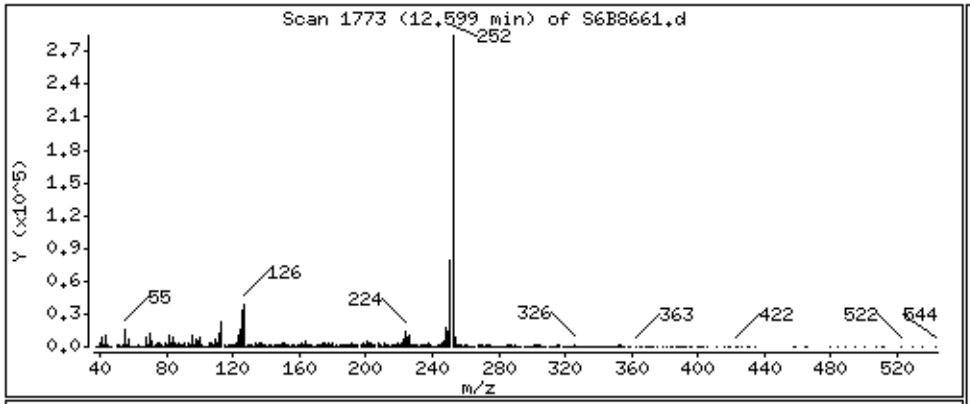
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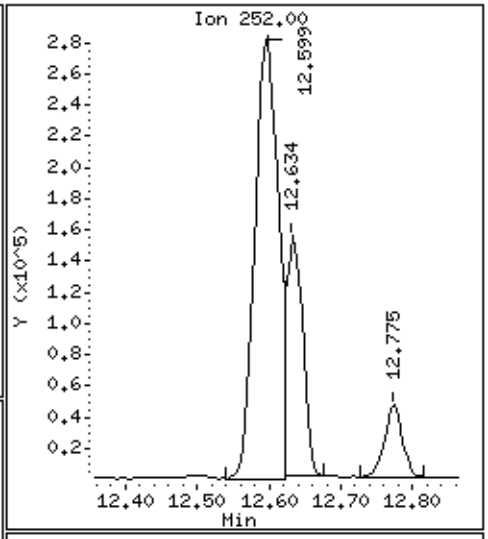
Sample Info: N1194-23A,,78076

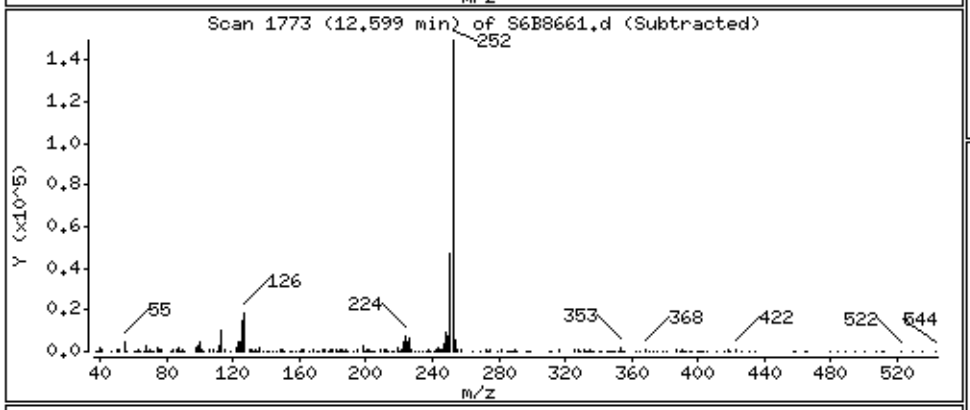
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

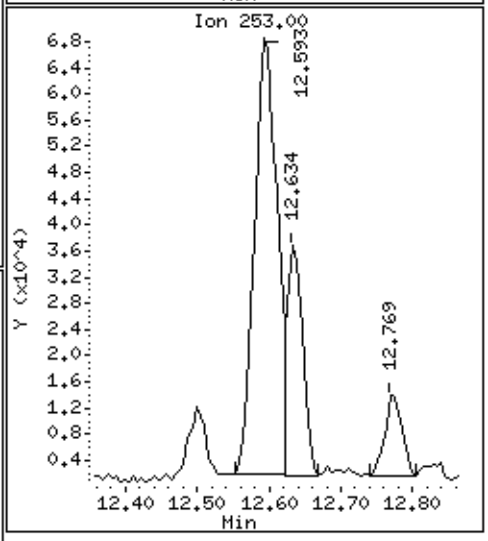
Column phase: Rxi-5Sil MS Column diameter: 0.25

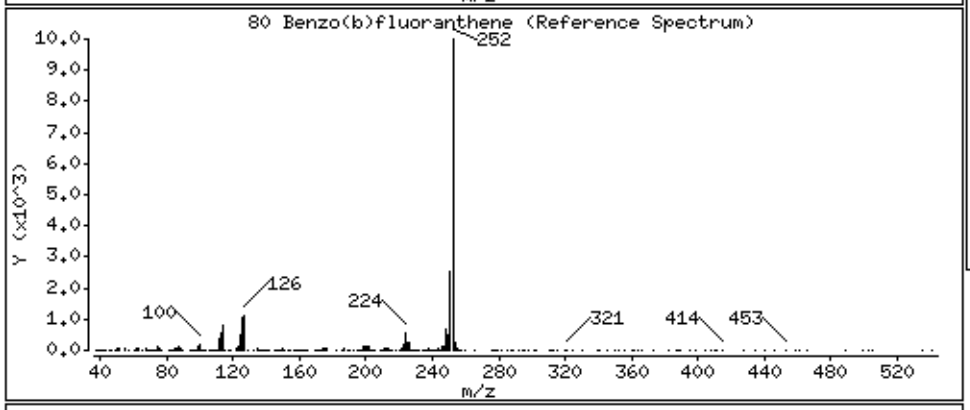
80 Benzo(b)fluoranthene Concentration: 1400 ug/Kg

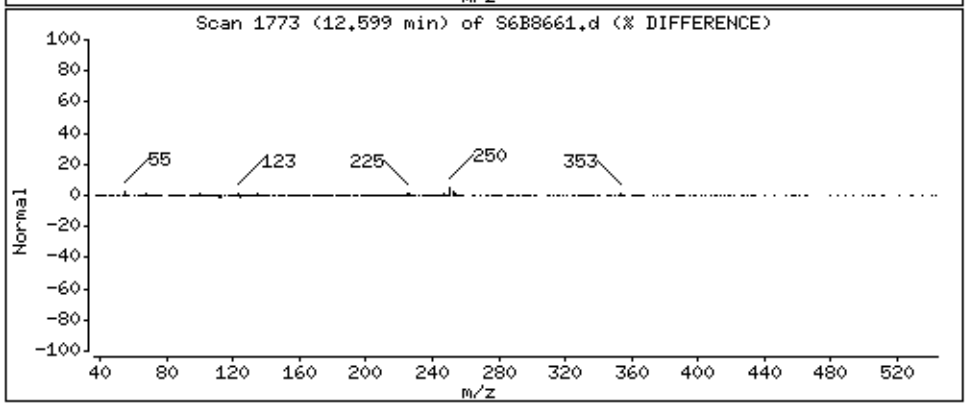












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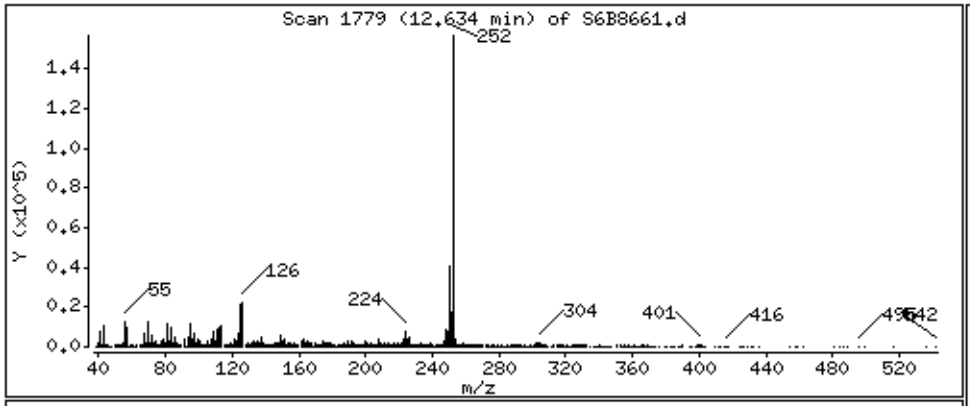
Client ID: SS-31-071014 Instrument: S6.i

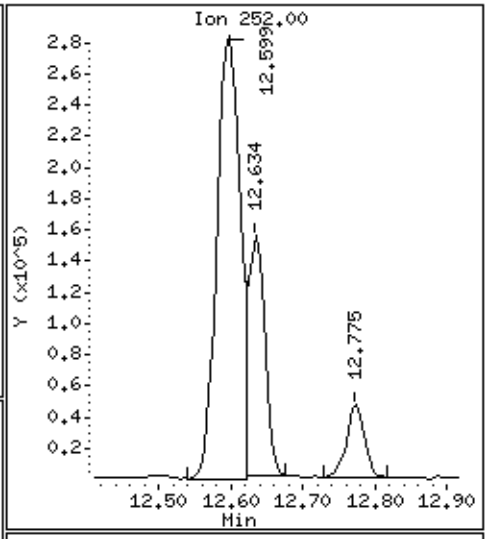
Sample Info: N1194-23A,,78076

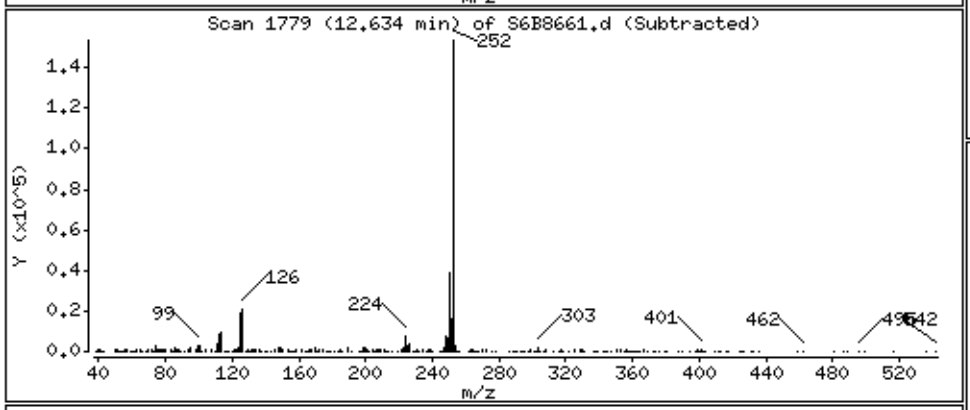
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

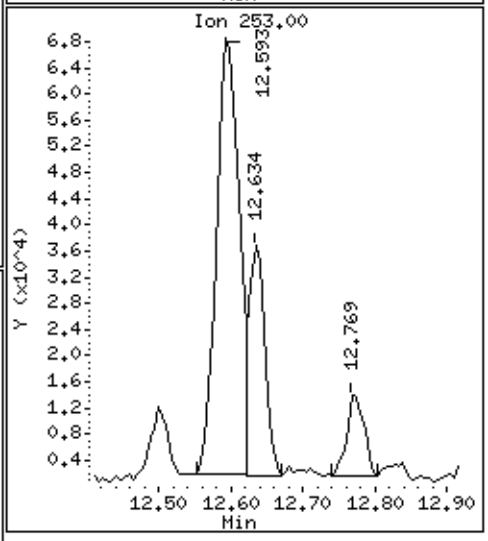
Column phase: Rxi-5Sil MS Column diameter: 0.25

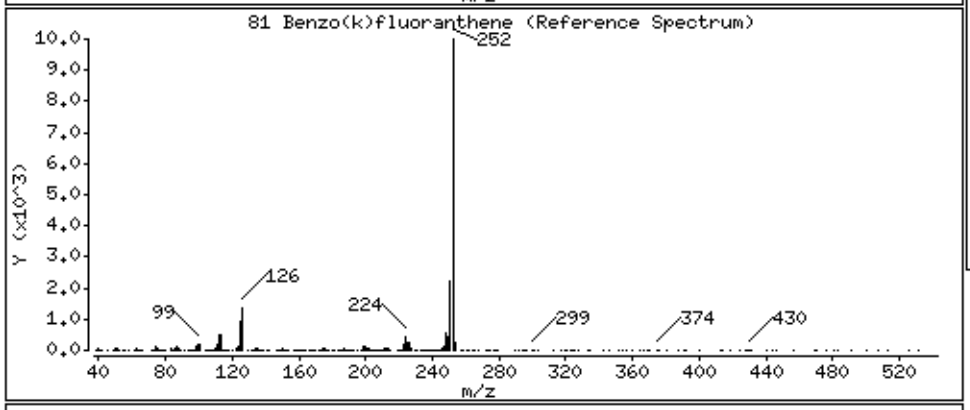
81 Benzo(k)fluoranthene Concentration: 520 ug/Kg

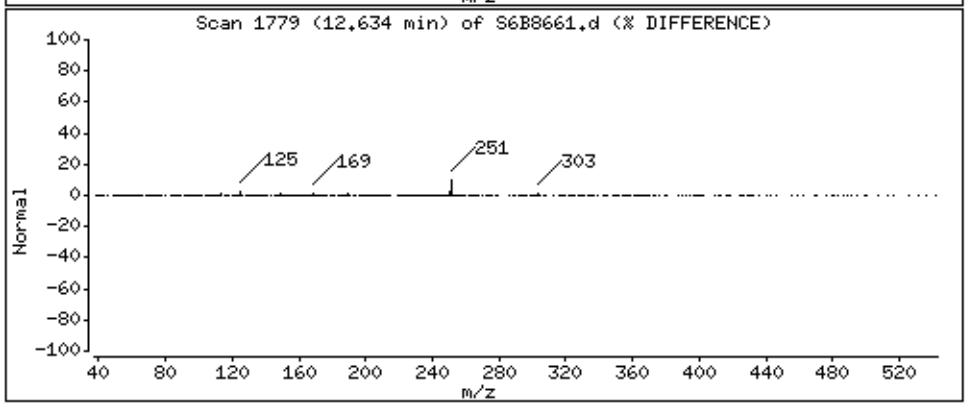












Data File: \\avogadro\organics\S6.I\140718.B\S6B8661.d

Date : 18-JUL-2014 16:16

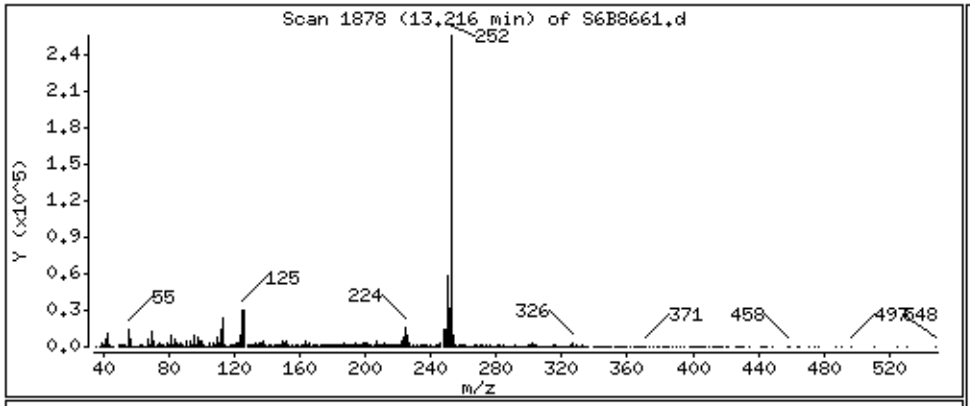
Client ID: SS-31-071014 Instrument: S6.i

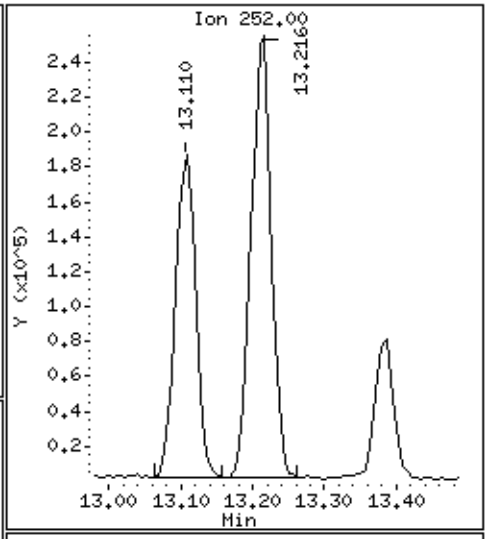
Sample Info: N1194-23A,,78076

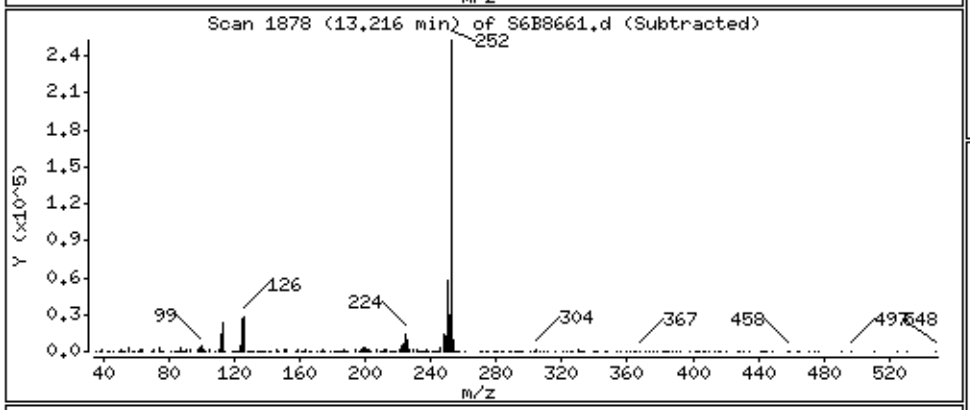
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

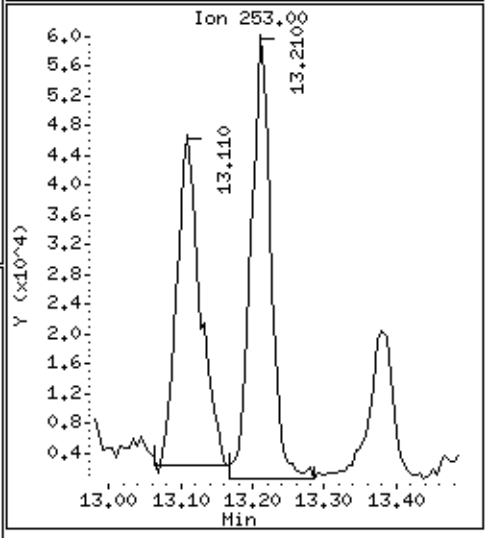
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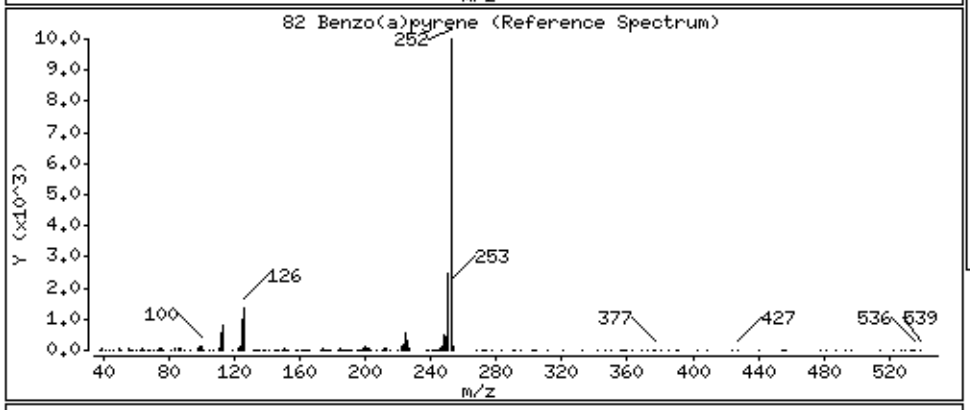
82 Benzo(a)pyrene Concentration: 1100 ug/Kg

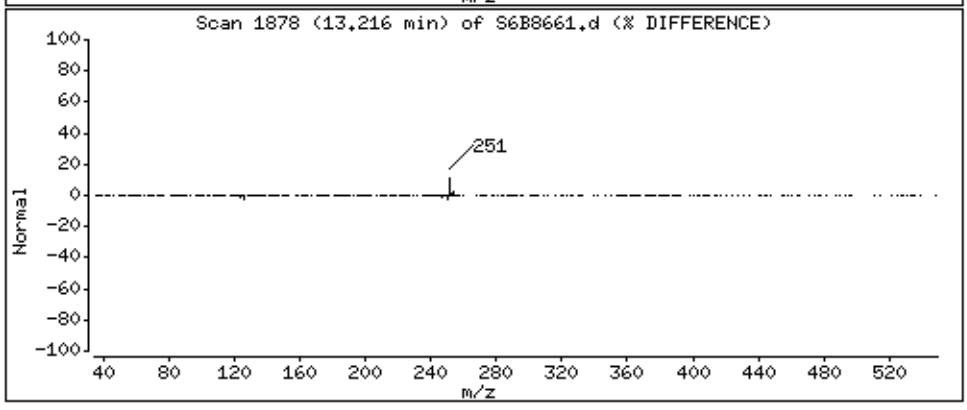












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Date : 18-JUL-2014 16:16

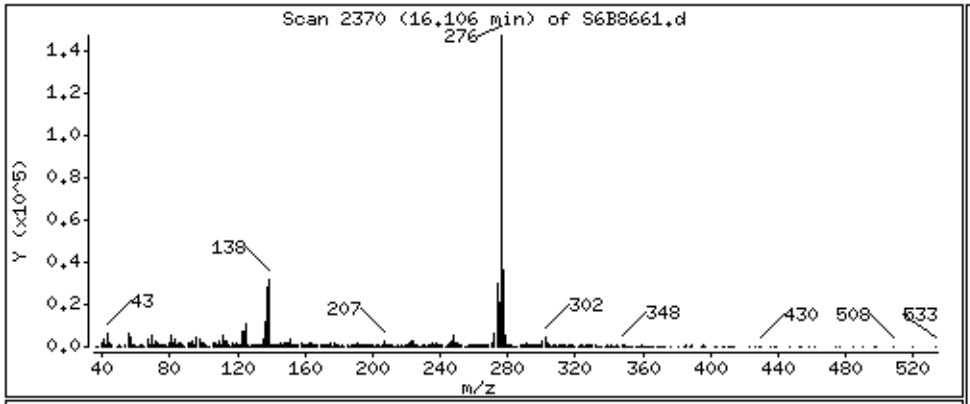
Client ID: SS-31-071014 Instrument: S6.i

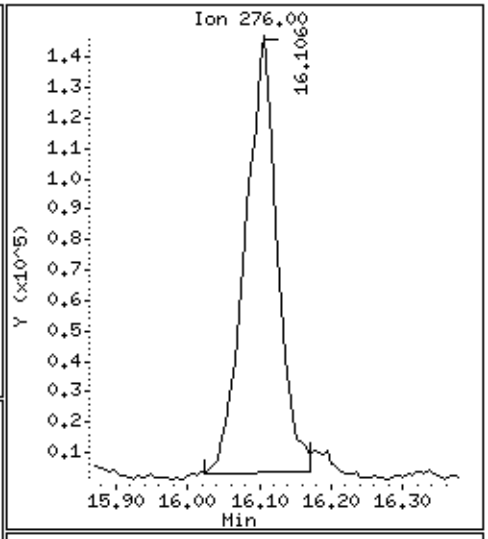
Sample Info: N1194-23A,,78076

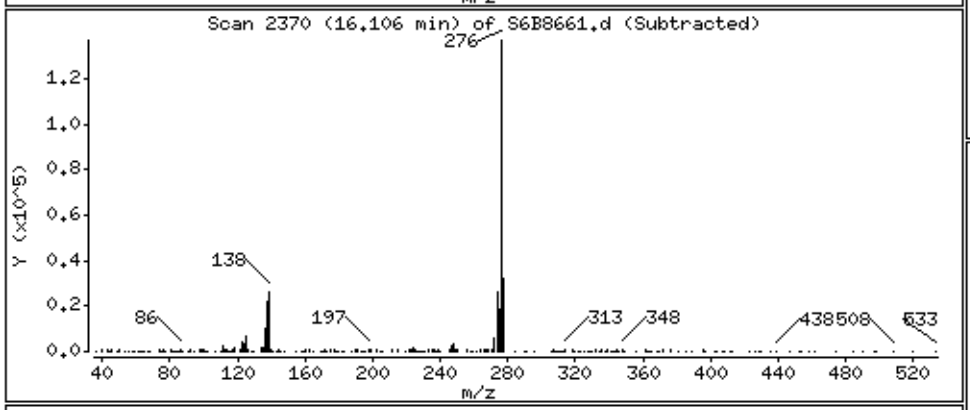
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

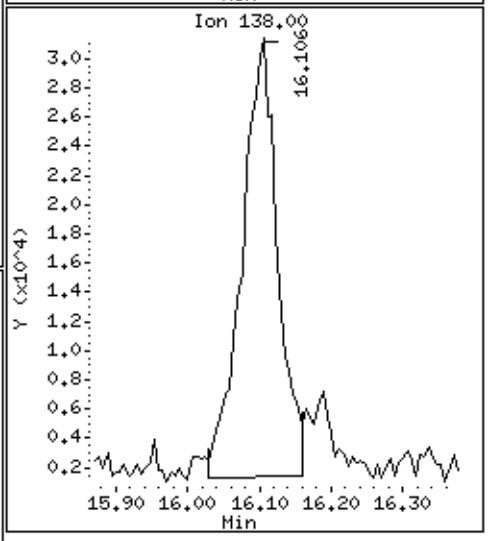
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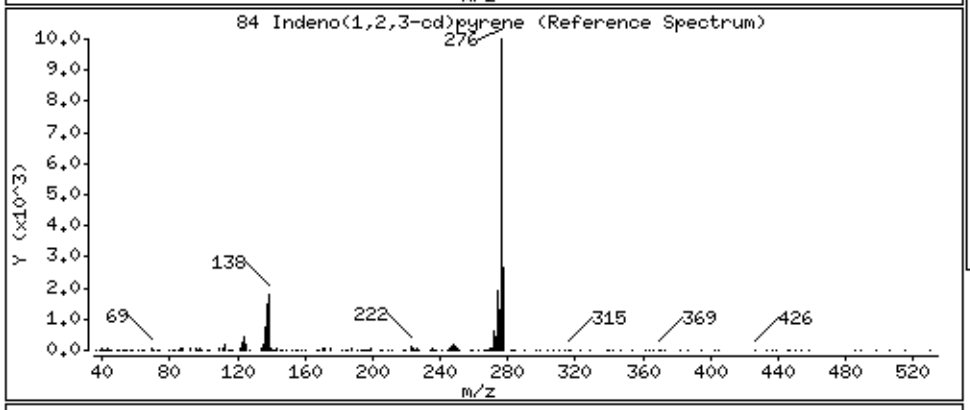
84 Indeno(1,2,3-cd)pyrene Concentration: 1100 ug/Kg

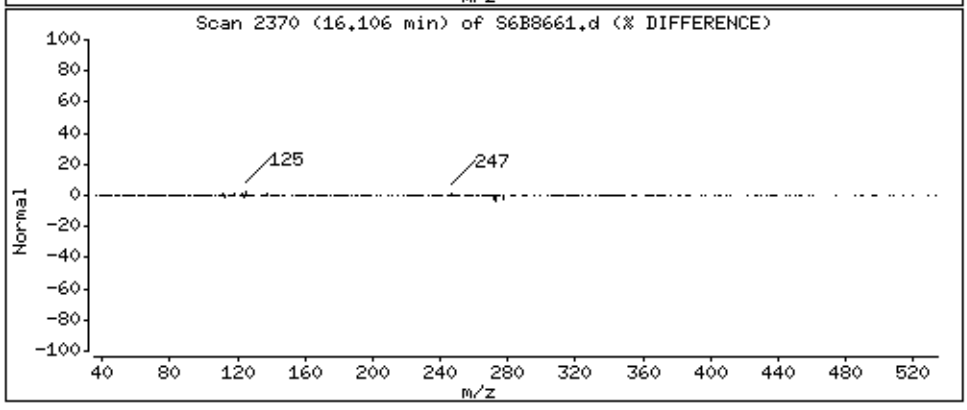












Data File: \\avogadro\organics\S6.I\140718.B\S6B8661.d

Date : 18-JUL-2014 16:16

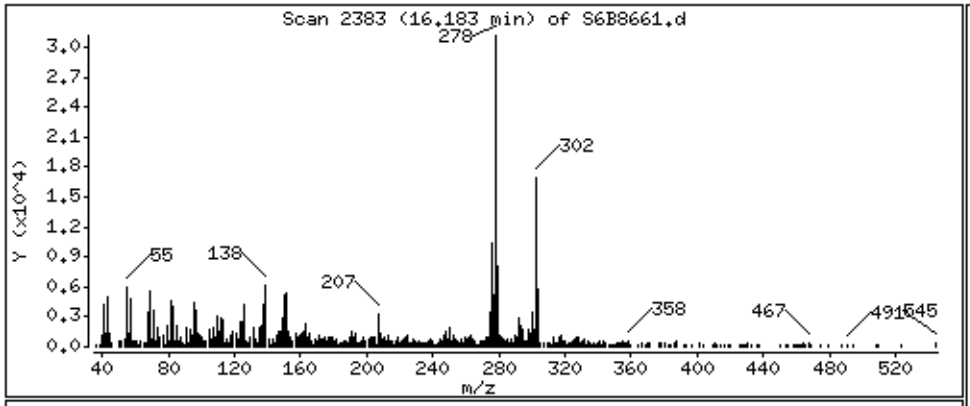
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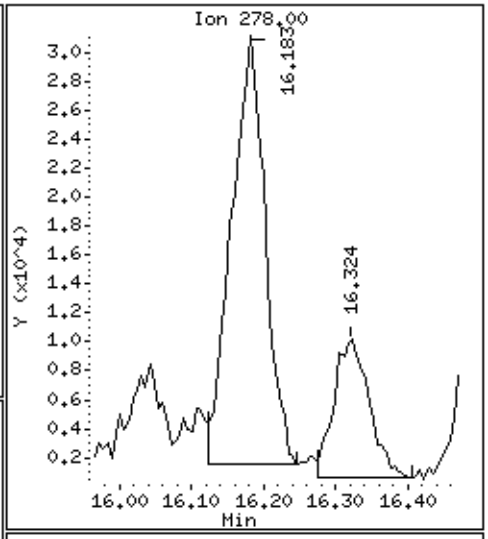
Sample Info: N1194-23A,,78076

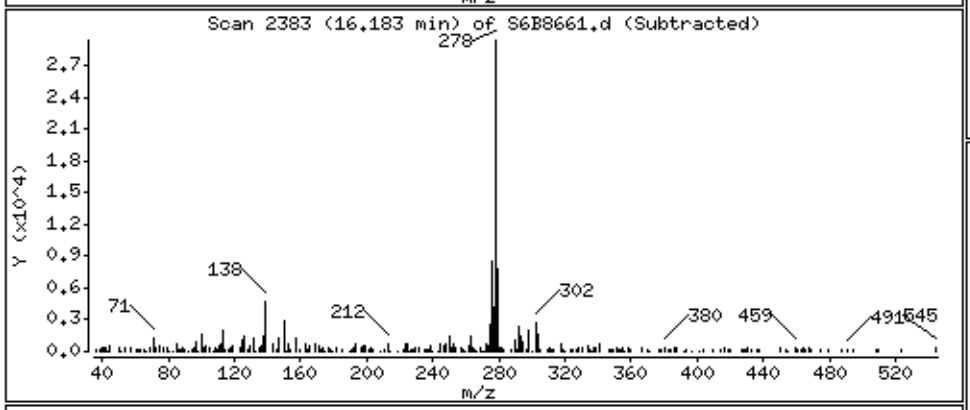
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

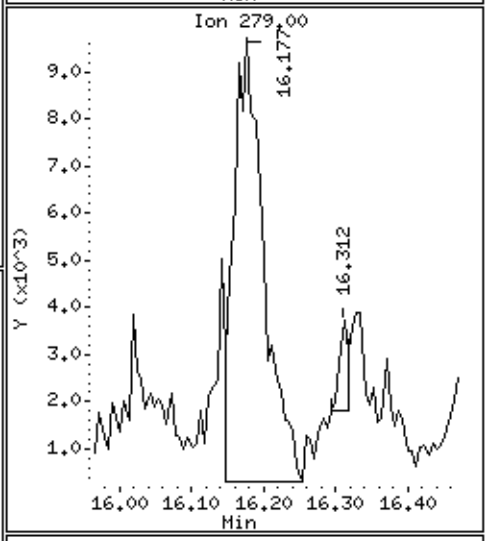
Column phase: Rxi-5Sil MS Column diameter: 0.25

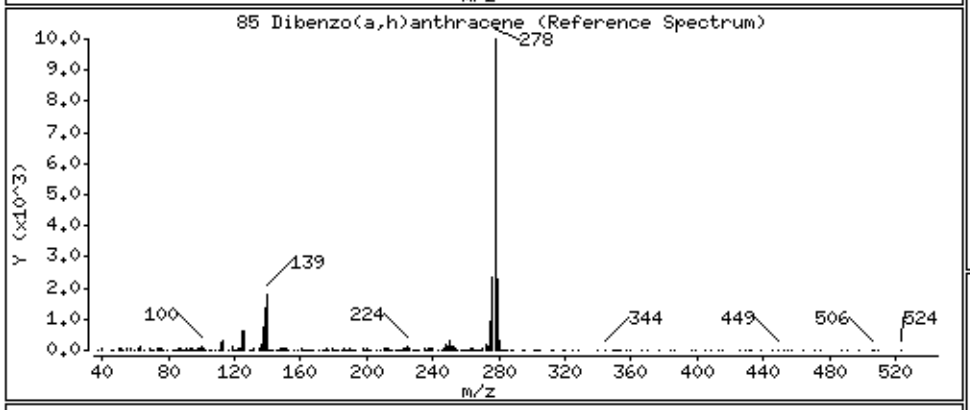
85 Dibenzo(a,h)anthracene Concentration: 250 ug/Kg

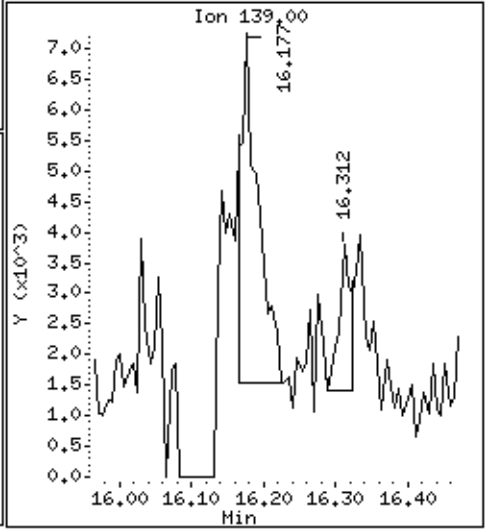


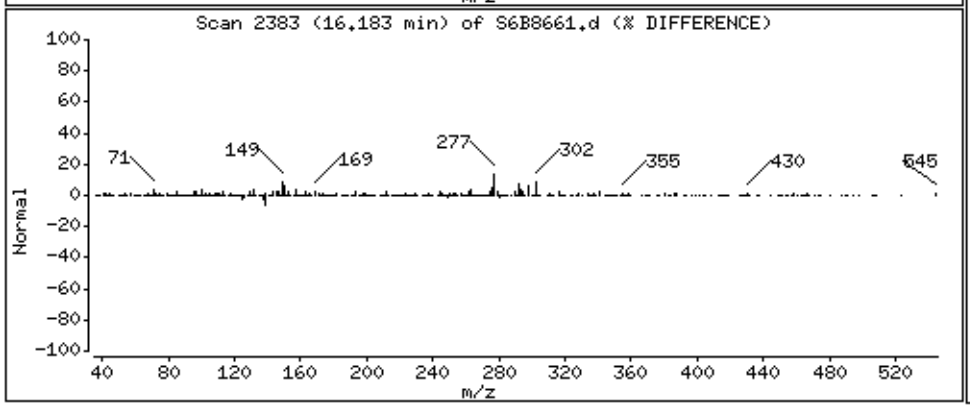












Data File: \\avogadro\organics\S6.I\140718.B\S6B8661.d

Date : 18-JUL-2014 16:16

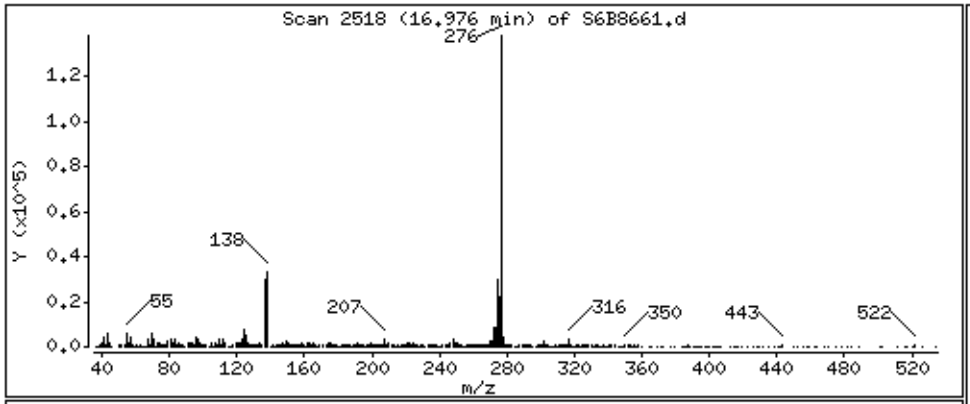
Client ID: SS-31-071014 Instrument: S6.i

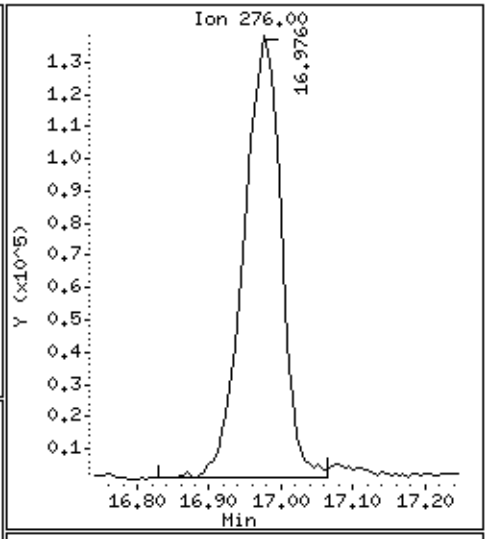
Sample Info: N1194-23A,,78076

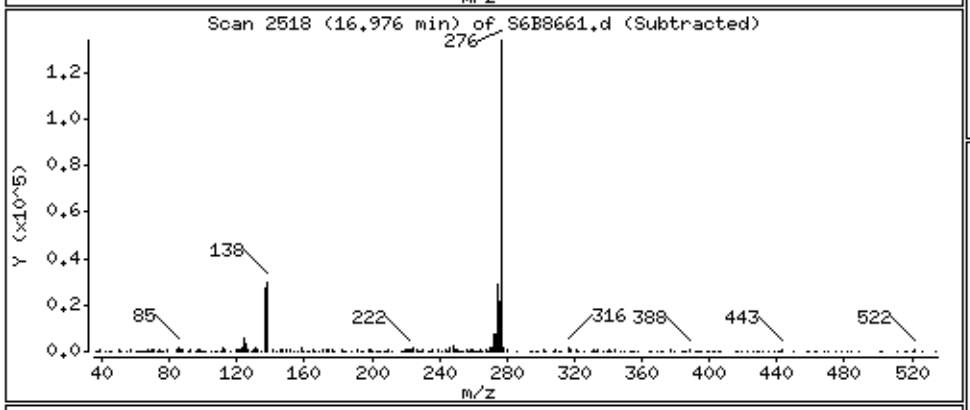
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

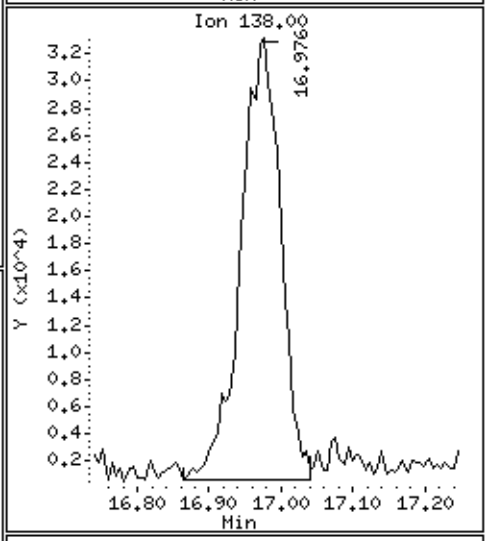
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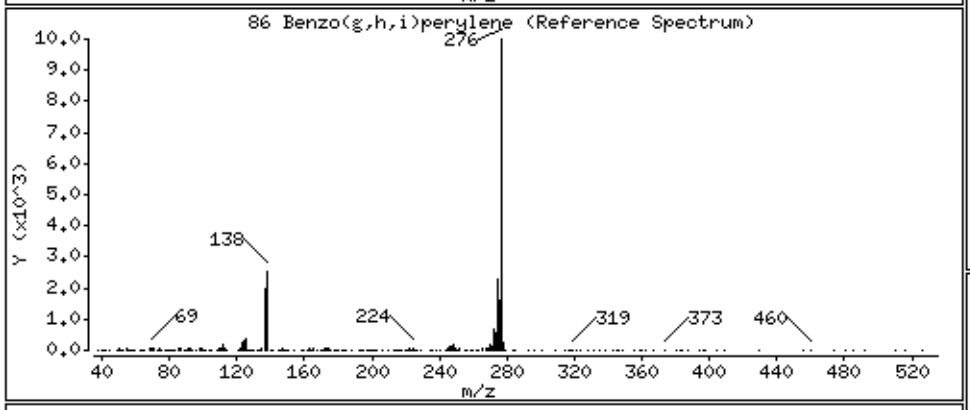
86 Benzo(g,h,i)perylene Concentration: 1200 ug/Kg

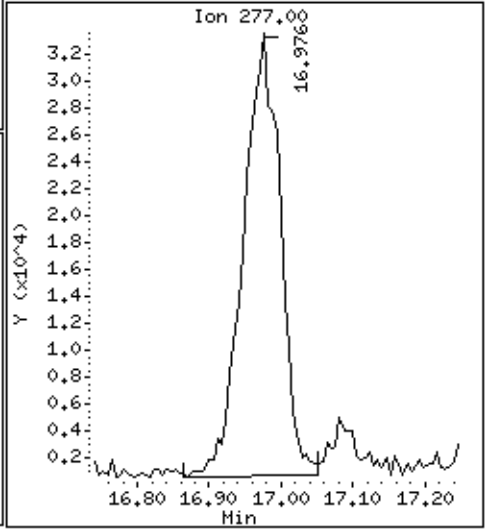


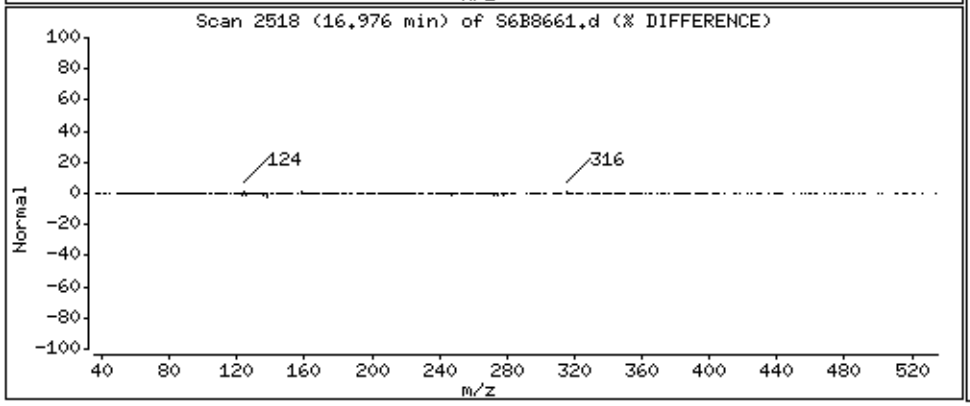












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-32-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-24A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8662.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	110	J
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	340	J
120-12-7	Anthracene	88	J
206-44-0	Fluoranthene	810	
129-00-0	Pyrene	940	
56-55-3	Benzo(a)anthracene	860	
218-01-9	Chrysene	1000	
205-99-2	Benzo(b)fluoranthene	1800	
207-08-9	Benzo(k)fluoranthene	560	
50-32-8	Benzo(a)pyrene	1300	
193-39-5	Indeno(1,2,3-cd)pyrene	1200	
53-70-3	Dibenzo(a,h)anthracene	310	J
191-24-2	Benzo(g,h,i)perylene	1200	

Data File: \\avogadro\organics\S6.I\140718.B\S6B8662.d
Report Date: 21-Jul-2014 13:15

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140718.B\S6B8662.d
Lab Smp Id: N1194-24A Client Smp ID: SS-32-071014
Inj Date : 18-JUL-2014 16:39
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-24A,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140718.B\S6_8270C_N.m
Meth Date : 21-Jul-2014 13:13 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.814	3.803	(0.775)	365207	35.4282	2400
$	5 Phenol-d5	99	4.625	4.625	(0.939)	450238	34.2128	2300
*	12 1,4-Dichlorobenzene-d4	152	4.925	4.925	(1.000)	311211	40.0000	
$	22 Nitrobenzene-d5	82	5.395	5.395	(0.899)	453889	40.2801	2700
*	31 Naphthalene-d8	136	6.000	6.000	(1.000)	1093262	40.0000	
	36 2-Methylnaphthalene	142	6.593	6.594	(1.099)	20107	1.05489	70(a)
$	41 2-Fluorobiphenyl	172	6.893	6.893	(0.924)	944884	38.1848	2500
*	48 Acenaphthene-d10	164	7.463	7.463	(1.000)	707097	40.0000	
	49 Acenaphthene	153	7.487	7.492	(1.003)	29137	1.35505	90(a)
$	60 2,4,6-Tribromophenol	330	8.115	8.115	(0.934)	119705	38.6352	2600
*	64 Phenanthrene-d10	188	8.691	8.697	(1.000)	1345824	40.0000	
	65 Phenanthrene	178	8.715	8.715	(1.003)	149783	4.12159	270(a)
	66 Anthracene	178	8.750	8.756	(1.007)	39110	1.05626	70(a)
	69 Fluoranthene	202	9.702	9.708	(1.116)	407104	9.78821	650(a)
	71 Pyrene	202	9.896	9.901	(0.895)	422755	11.3435	760
$	72 Terphenyl-d14	244	10.013	10.019	(0.906)	1026531	42.4082	2800
	75 Benzo(a)anthracene	228	11.041	11.059	(0.999)	357671	10.3525	690
*	76 Chrysene-d12	240	11.053	11.077	(1.000)	1210043	40.0000	
	78 bis(2-Ethylhexyl)phthalate	149	11.030	11.047	(0.998)	98136	4.42005	290(a)

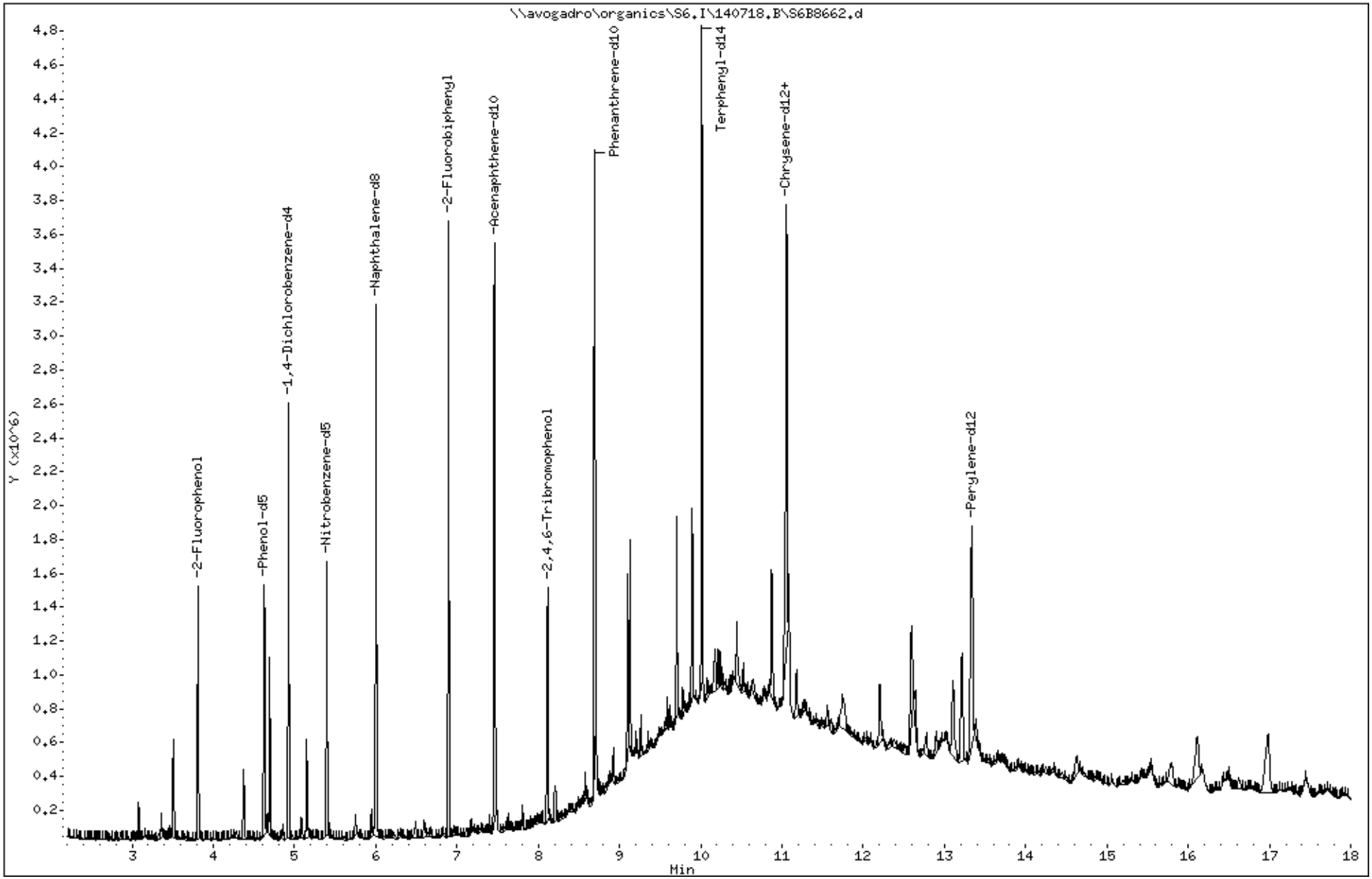
Data File: \\avogadro\organics\S6.I\140718.B\S6B8662.d
Report Date: 21-Jul-2014 13:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
77	Chrysene	228	11.082	11.106	(1.003)	400212	12.6213	840
80	Benzo(b)fluoranthene	252	12.592	12.610	(0.944)	729976	21.5934	1400
81	Benzo(k)fluoranthene	252	12.639	12.663	(0.948)	231387	6.74125	450(a)
82	Benzo(a)pyrene	252	13.215	13.233	(0.991)	511822	15.8690	1000
* 83	Perylene-d12	264	13.339	13.356	(1.000)	1149840	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.106	16.124	(1.207)	416374	14.7955	990
85	Dibenzo(a,h)anthracene	278	16.182	16.218	(1.213)	103725	3.78831	250(a)
86	Benzo(g,h,i)perylene	276	16.982	16.993	(1.273)	432037	14.8660	990

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\avogadro\organics\S6.I\140718.B\S6B8662.d
Date : 18-JUL-2014 16:39
Client ID: SS-32-071014
Instrument: S6.i
Sample Info: N1194-24A,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140718.B\S6B8662.d

Date : 18-JUL-2014 16:39

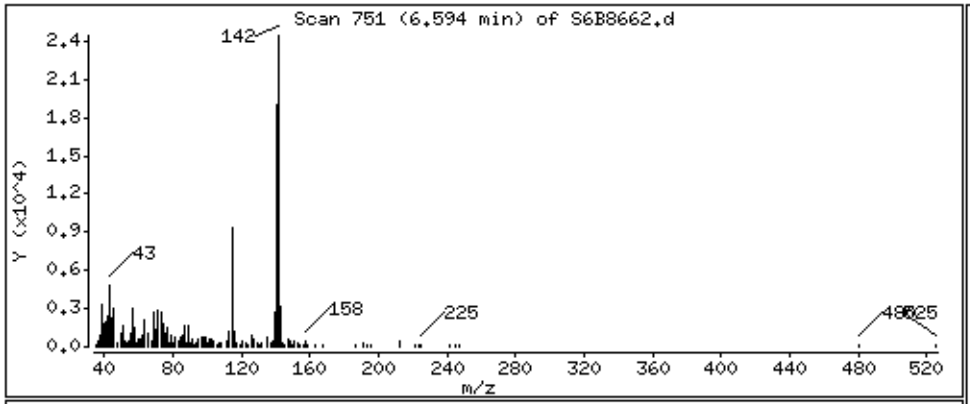
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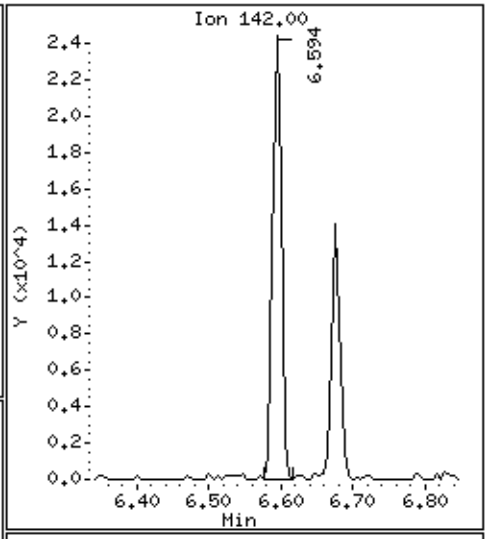
Sample Info: N1194-24A,,78076

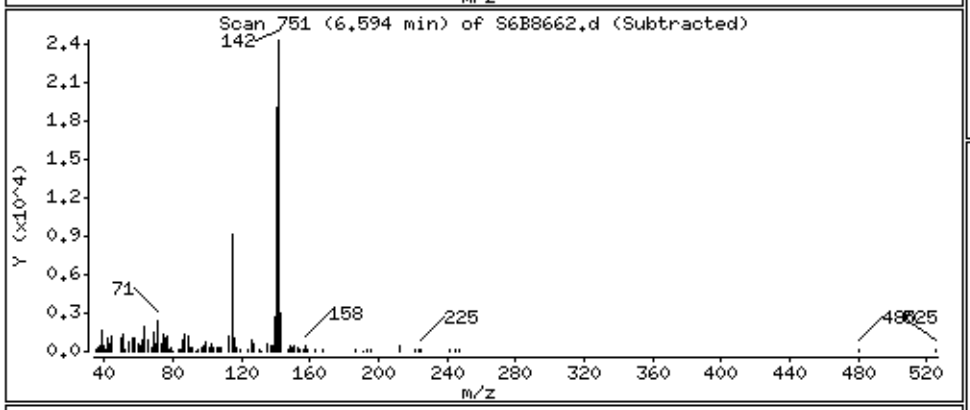
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

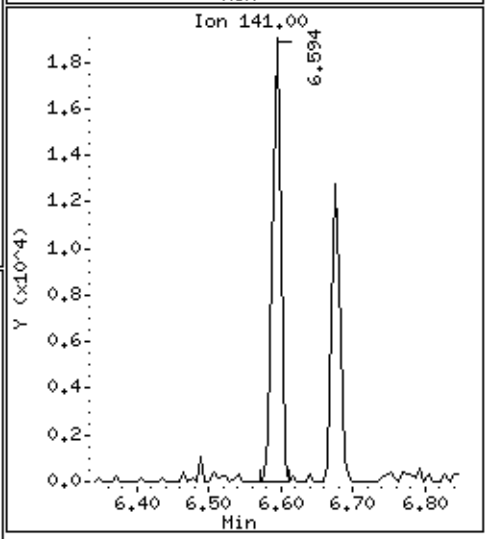
Column phase: Rxi-5Sil MS Column diameter: 0.25

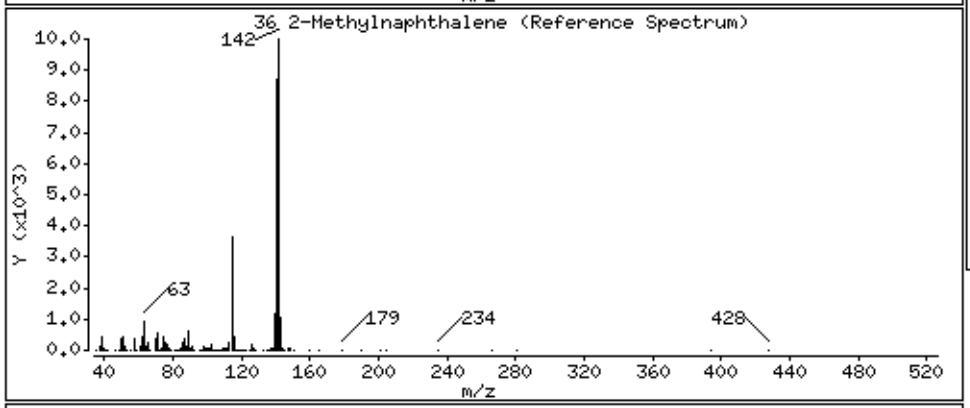
36 2-Methylnaphthalene Concentration: 70 ug/Kg

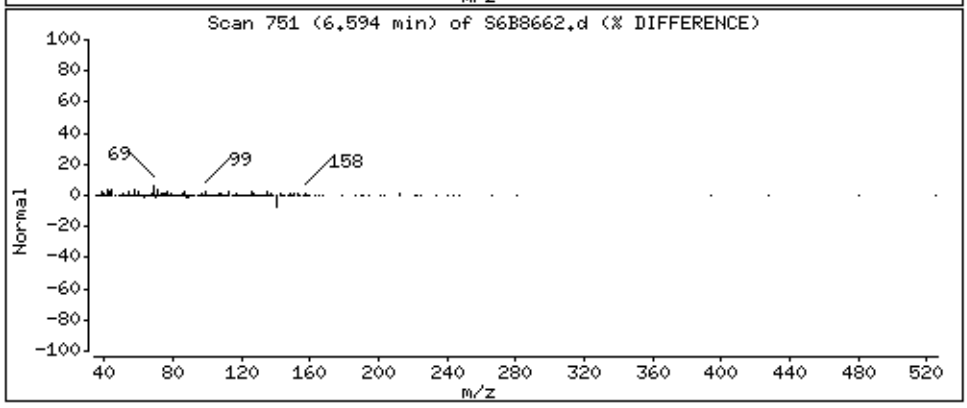












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Date : 18-JUL-2014 16:39

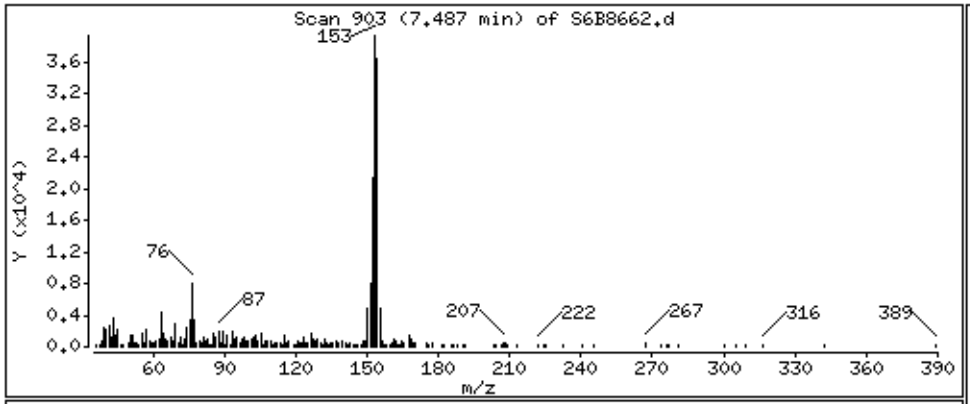
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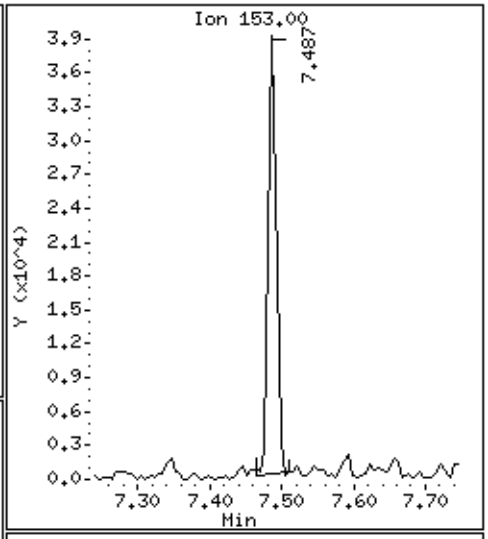
Sample Info: N1194-24A,,78076

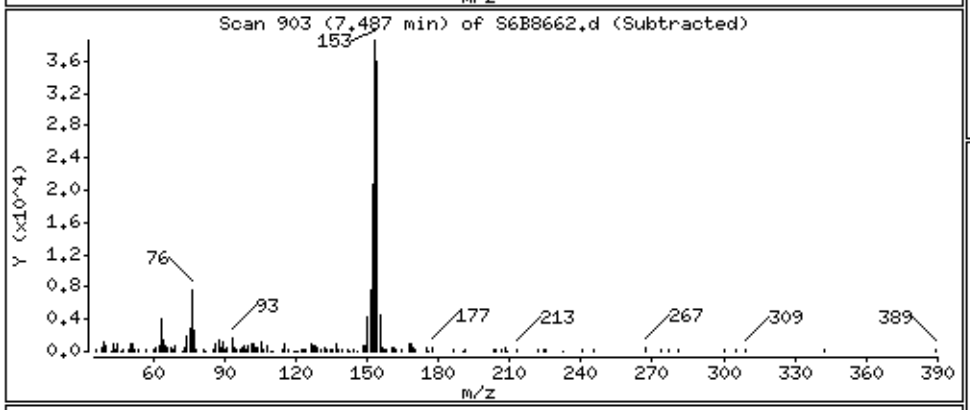
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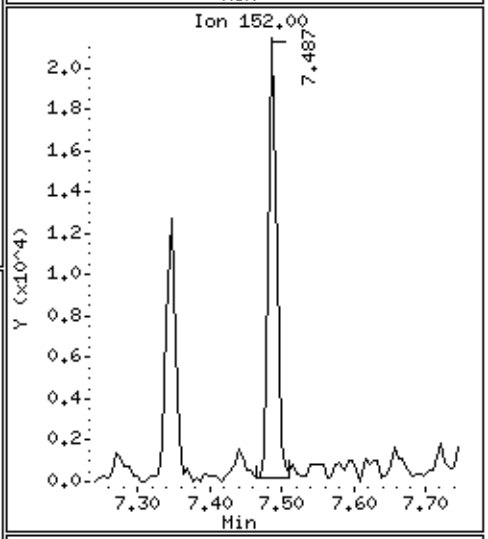
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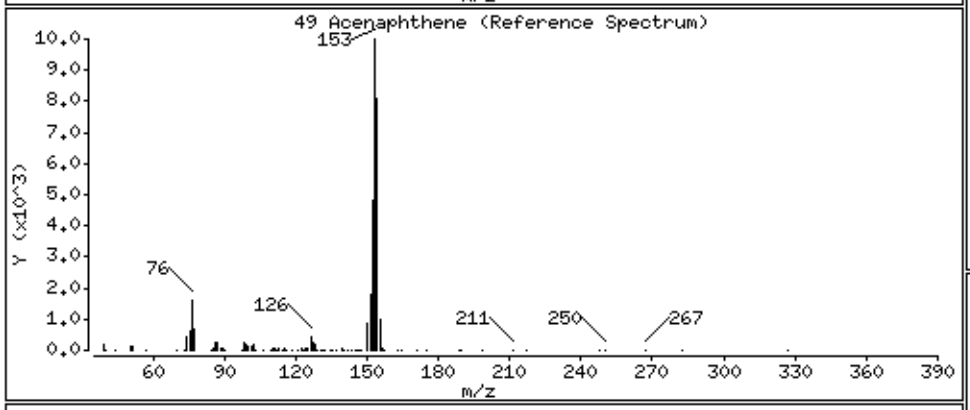
49 Acenaphthene Concentration: 90 ug/Kg

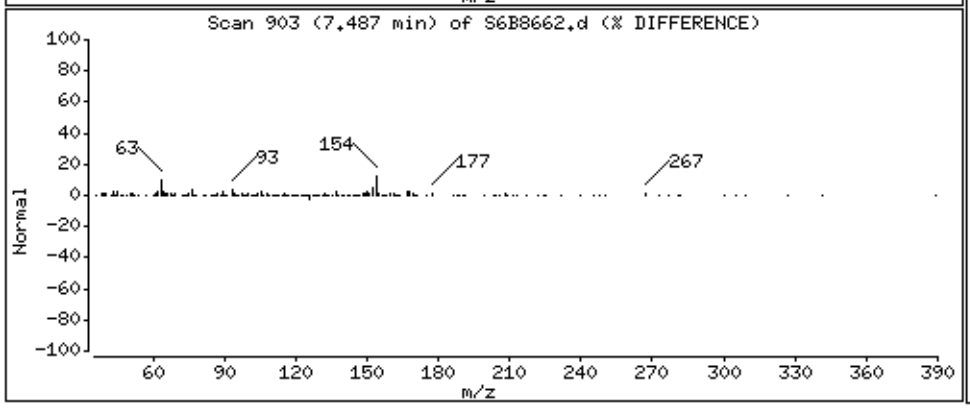


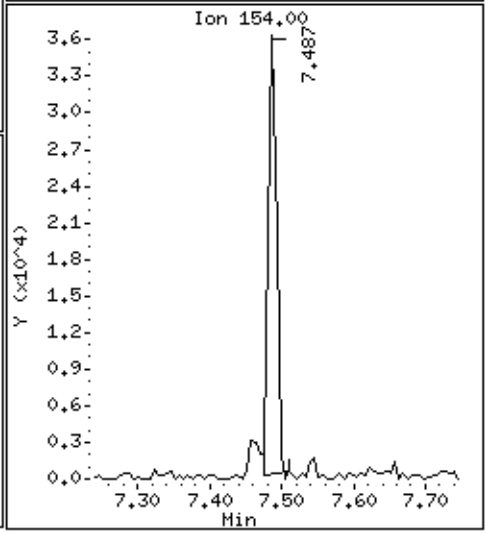












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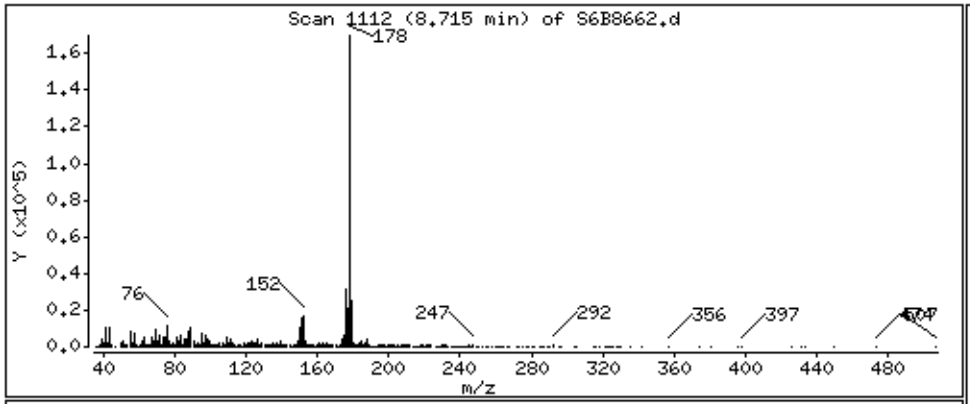
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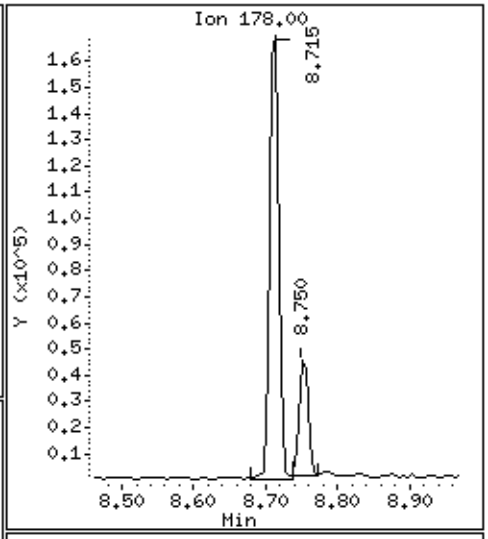
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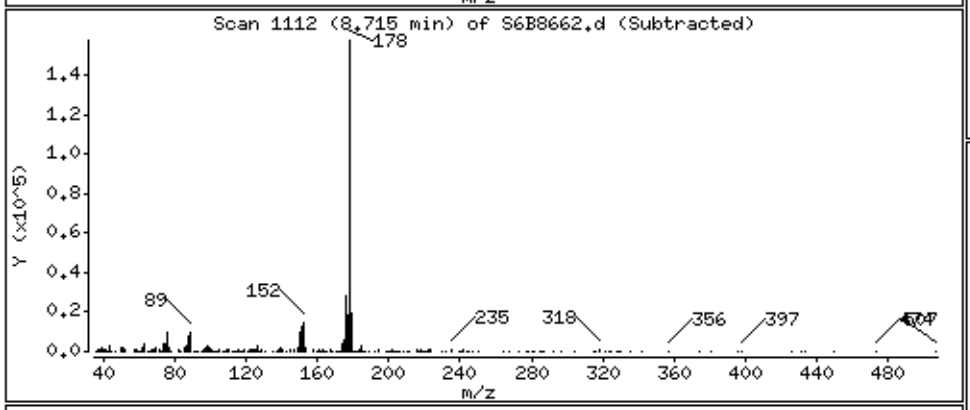
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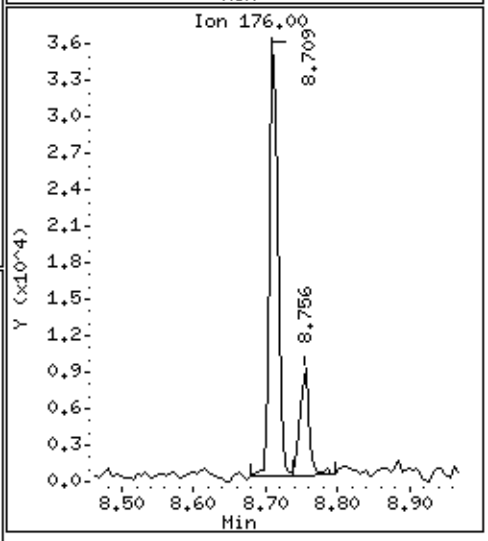
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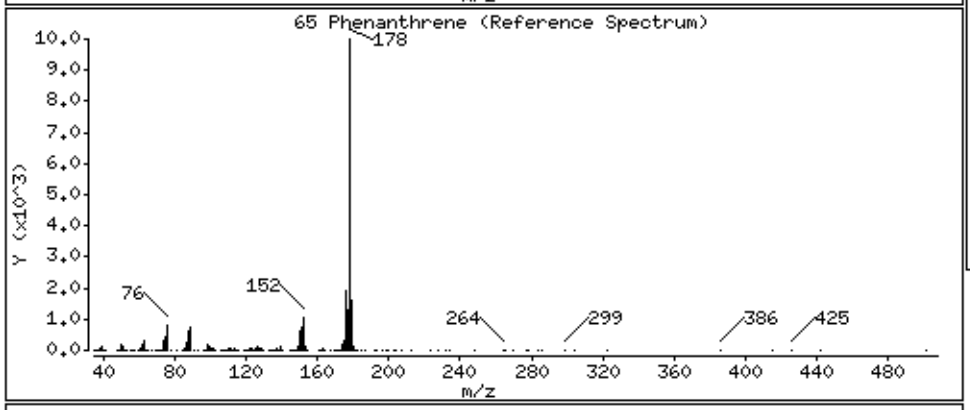
65 Phenanthrene Concentration: 270 ug/Kg

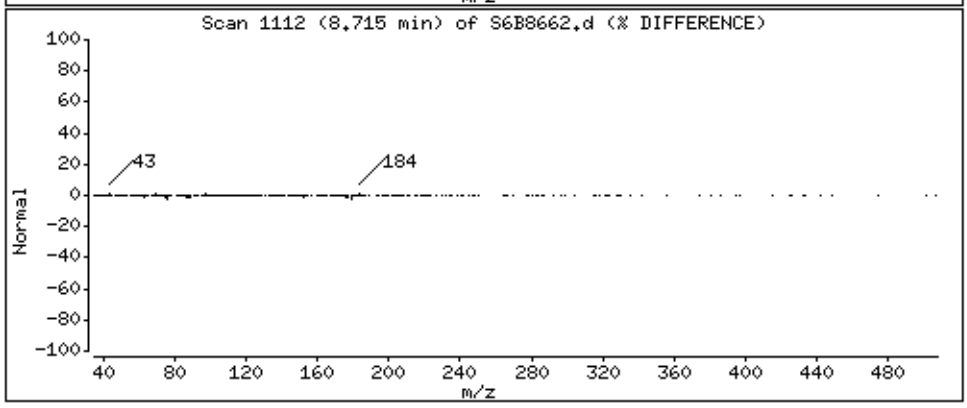












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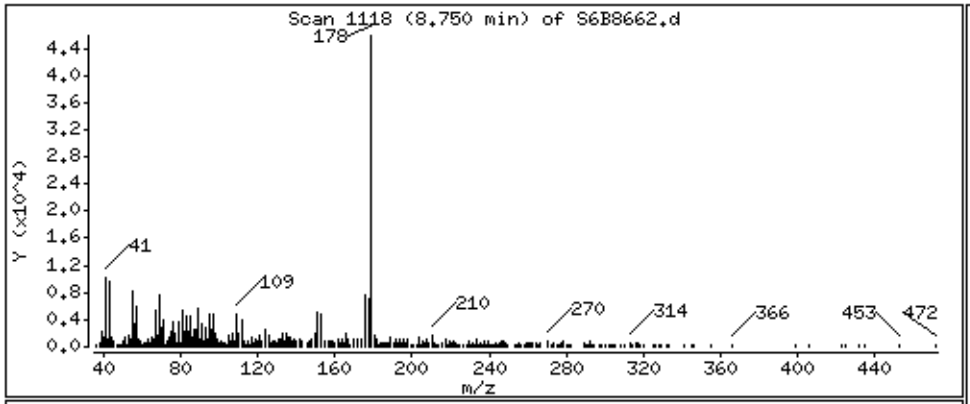
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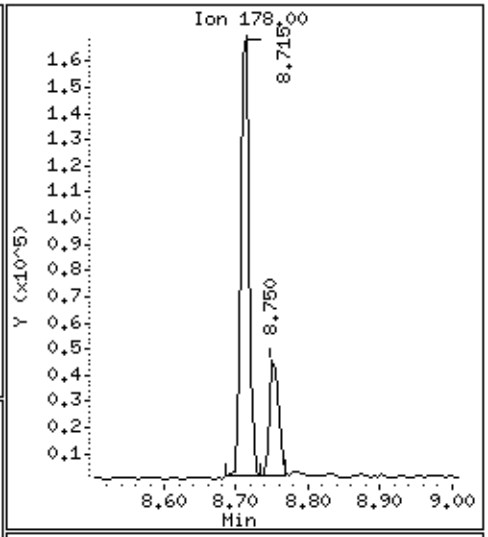
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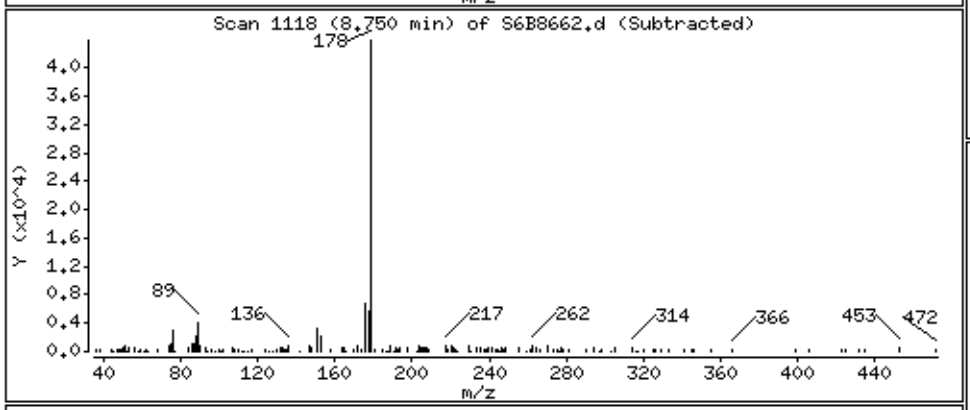
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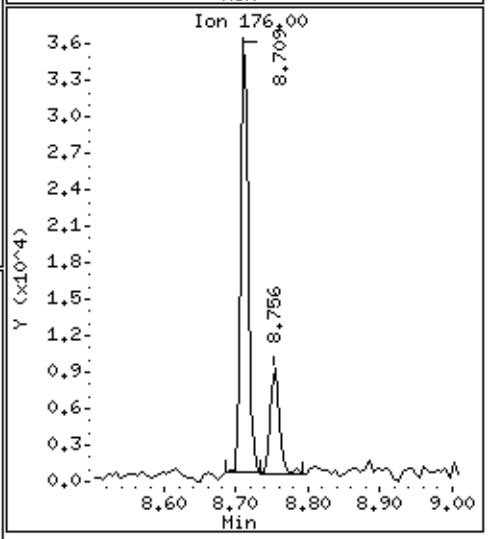
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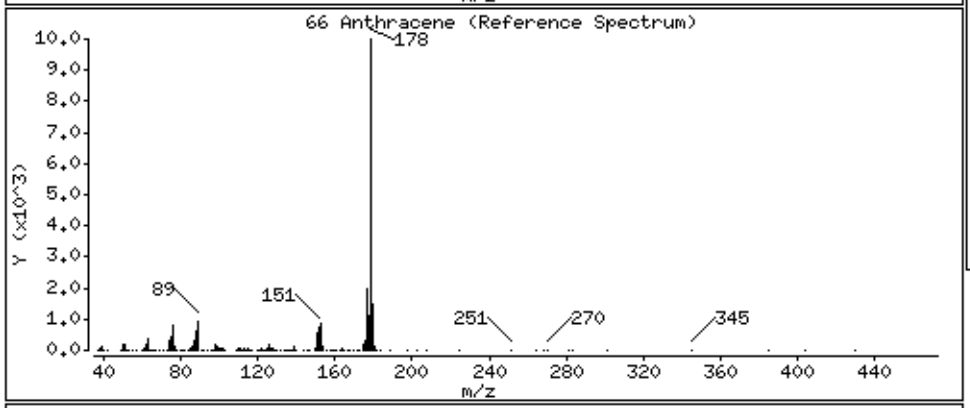
66 Anthracene Concentration: 70 ug/Kg

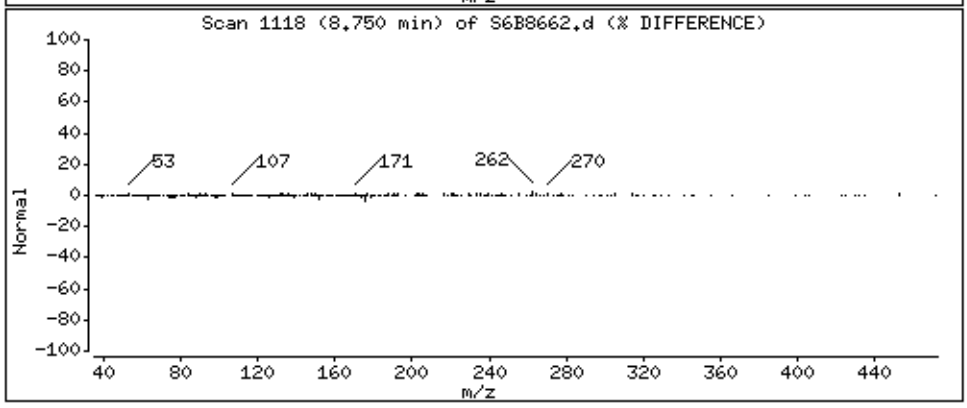












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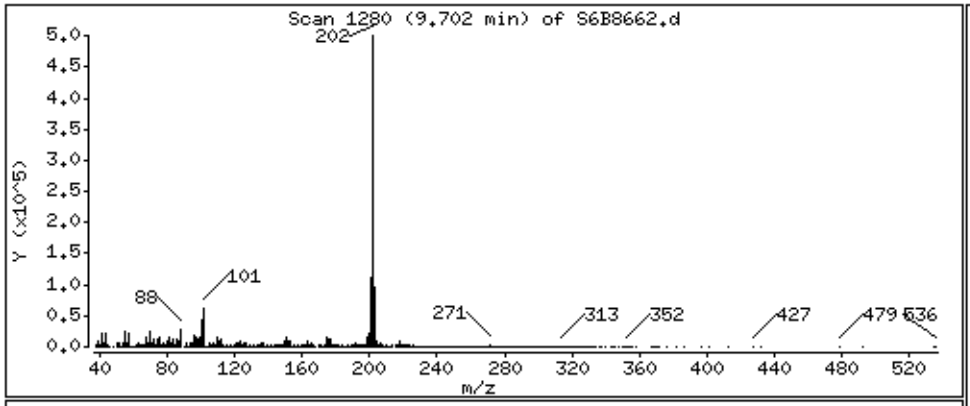
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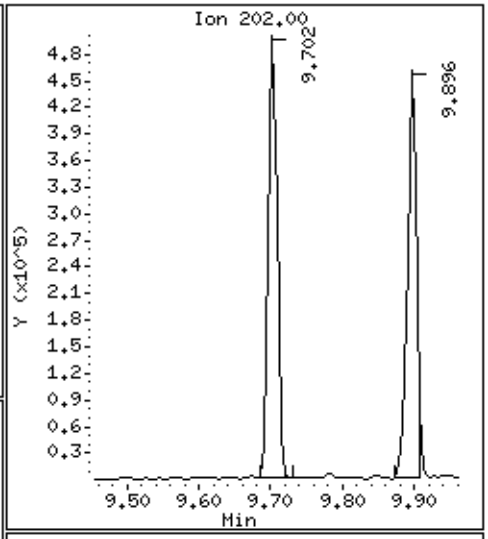
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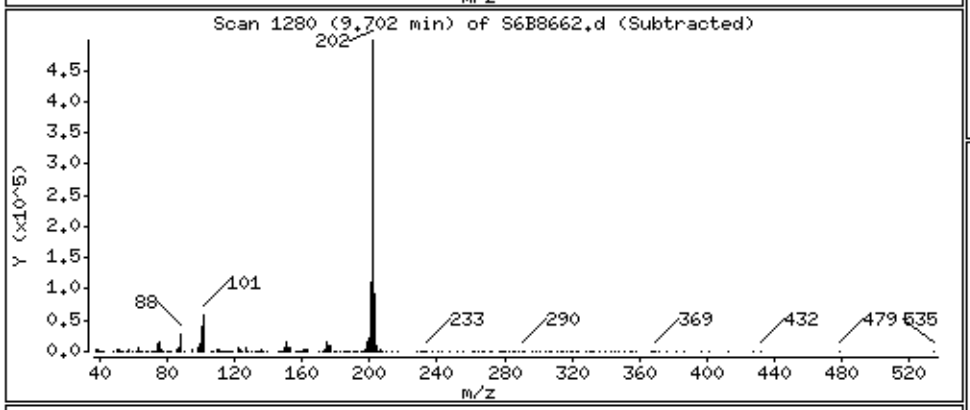
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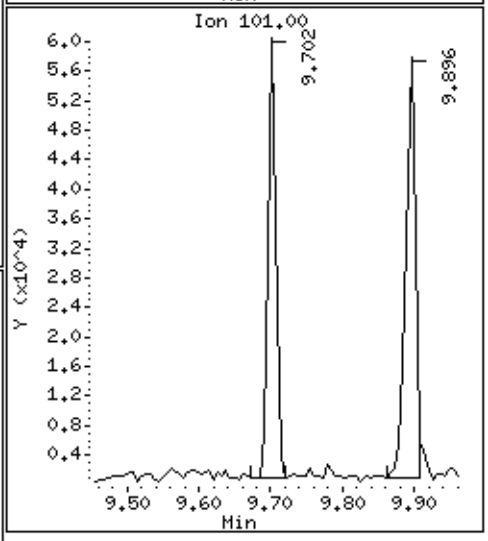
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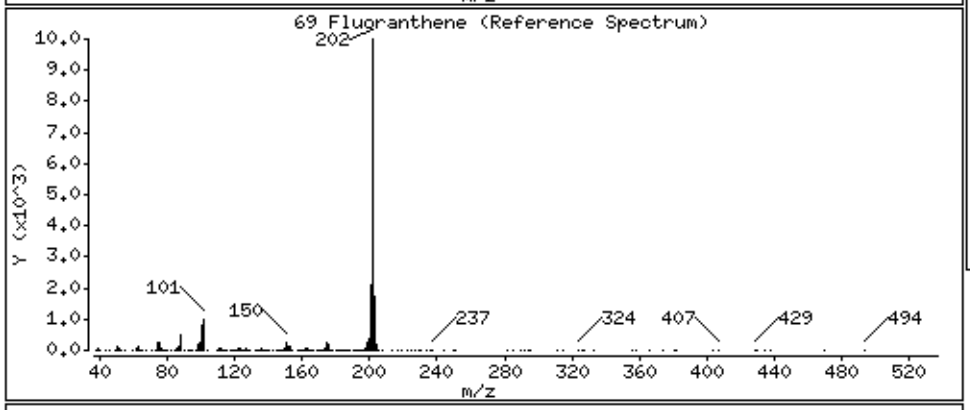
69 Fluoranthene Concentration: 650 ug/Kg

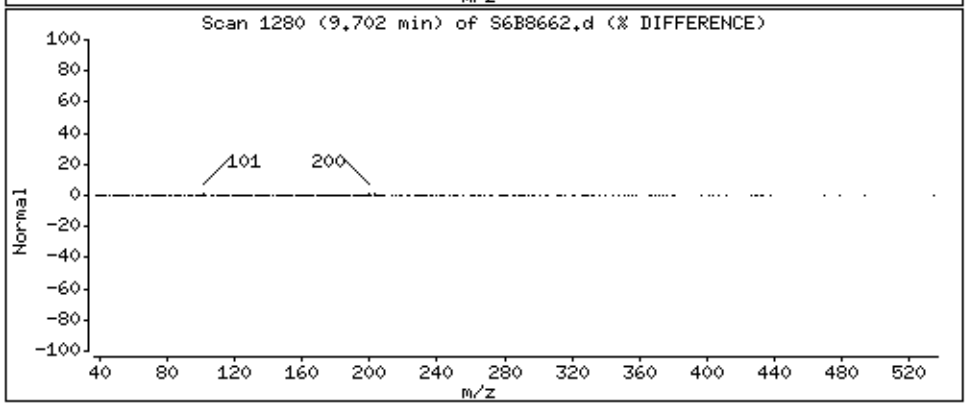












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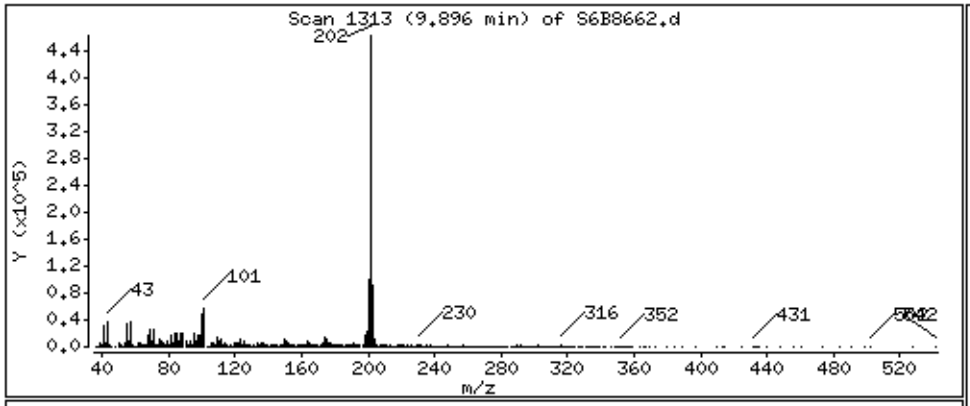
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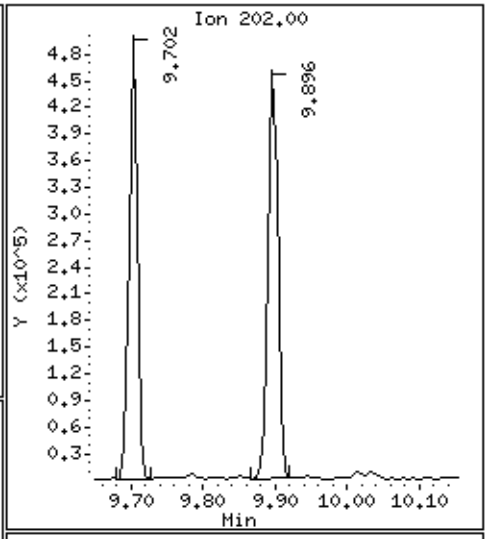
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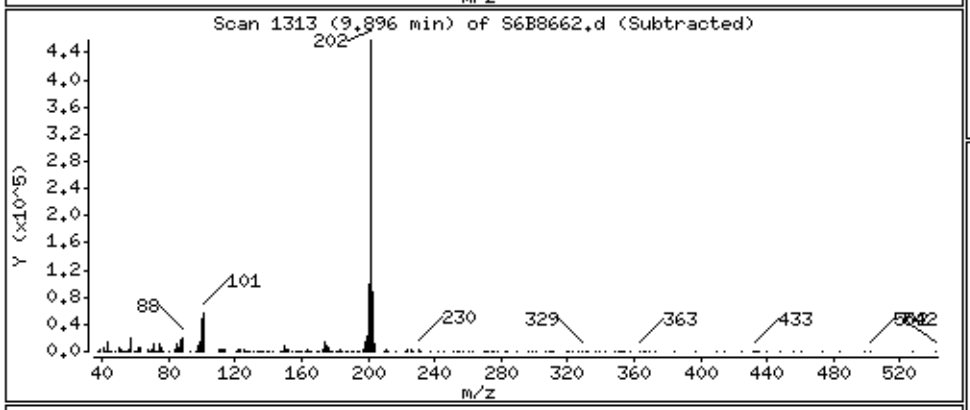
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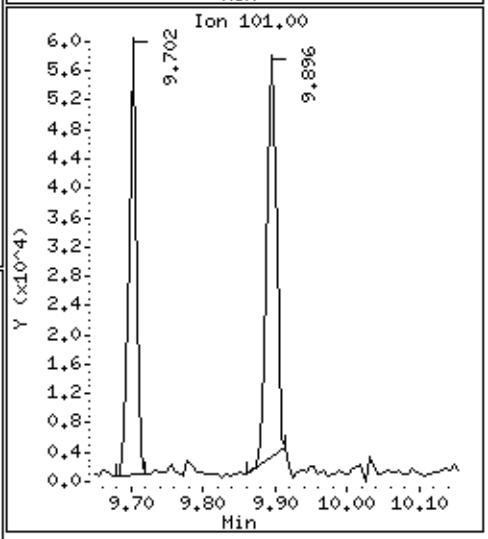
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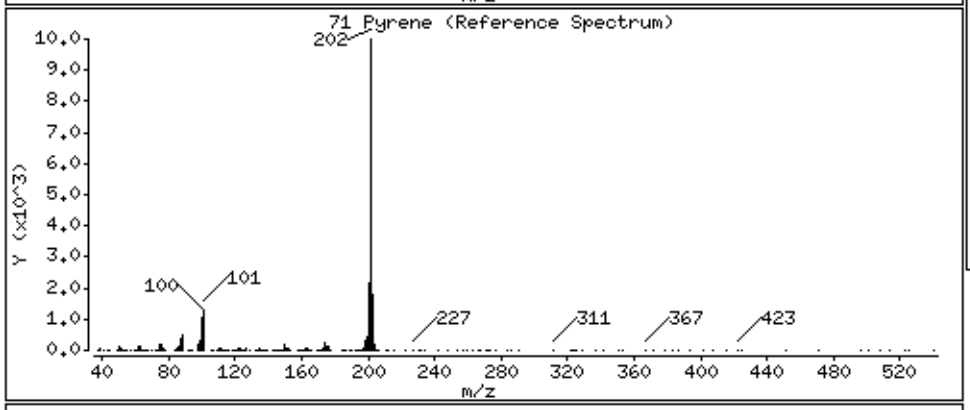
71 Pyrene Concentration: 760 ug/Kg

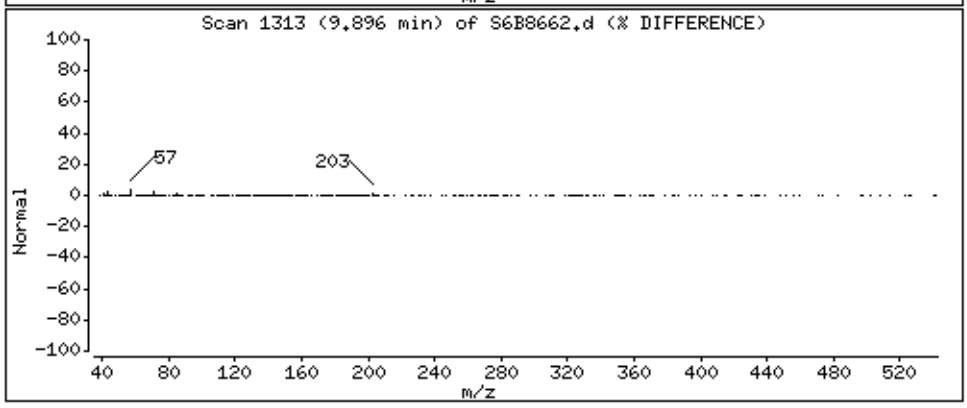












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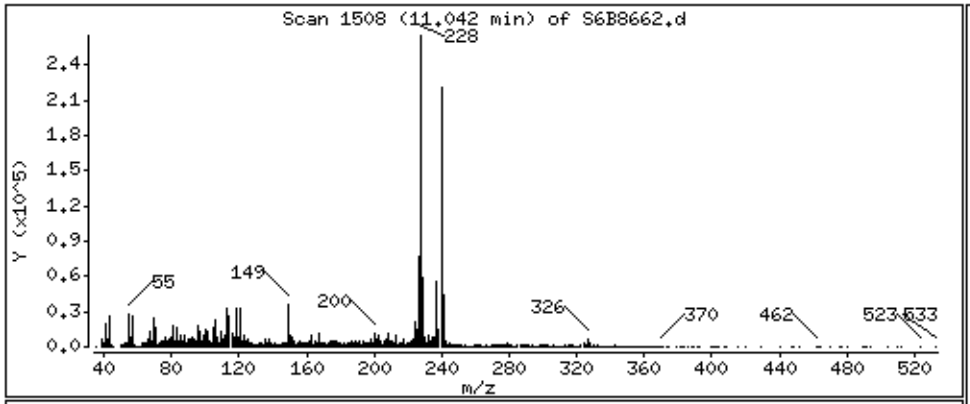
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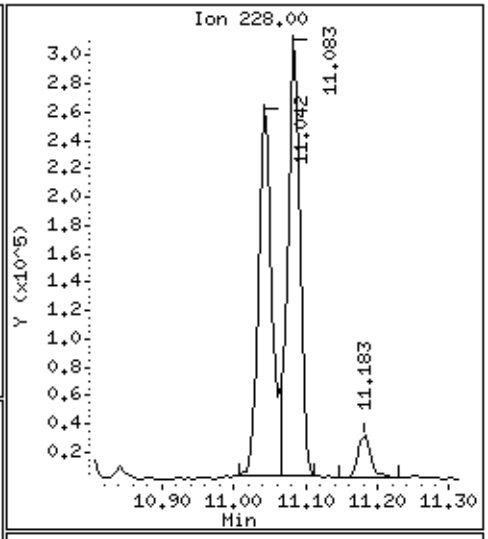
Sample Info: N1194-24A,,78076

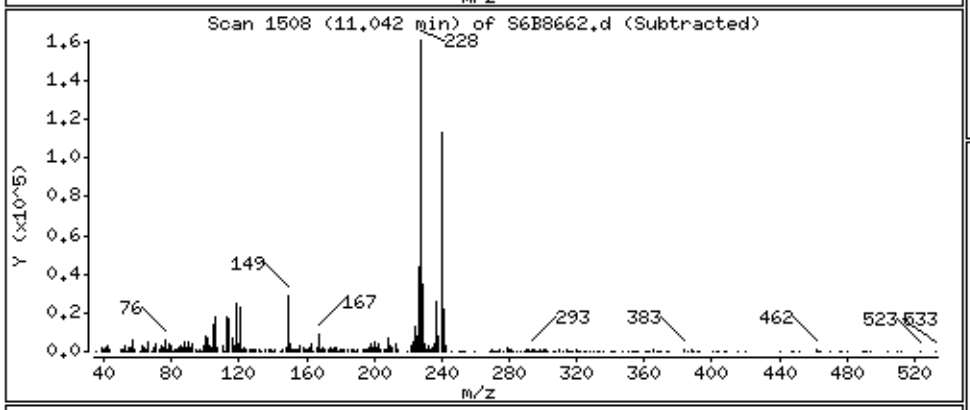
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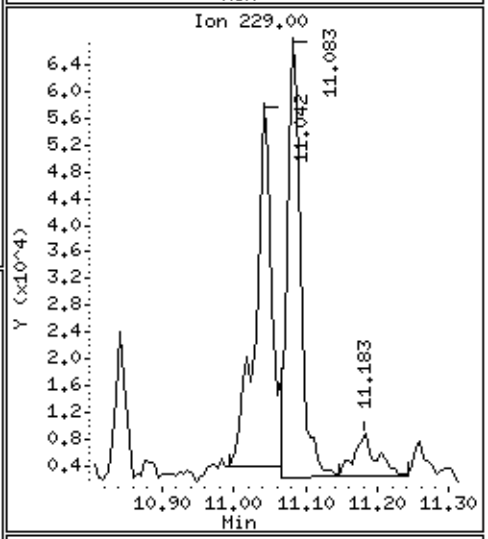
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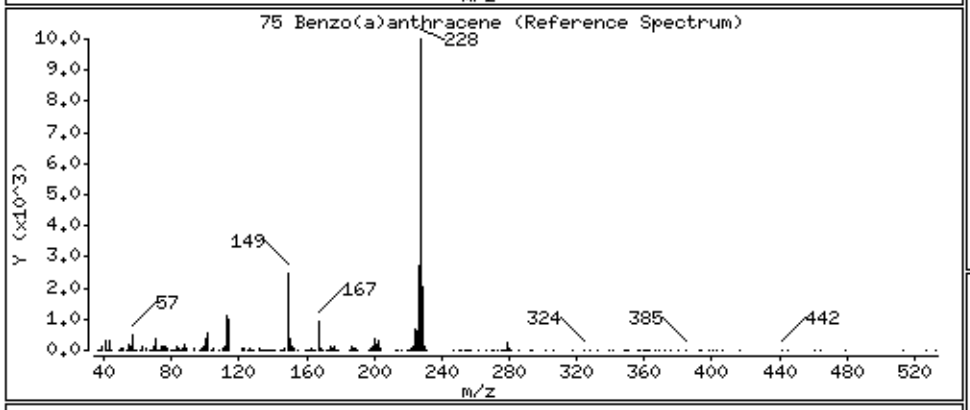
75 Benzo(a)anthracene Concentration: 690 ug/Kg

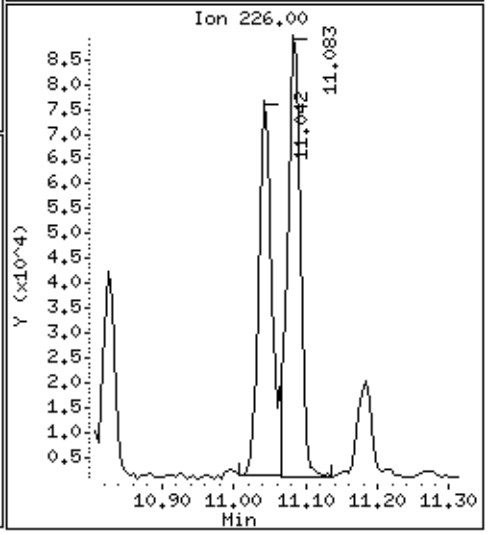


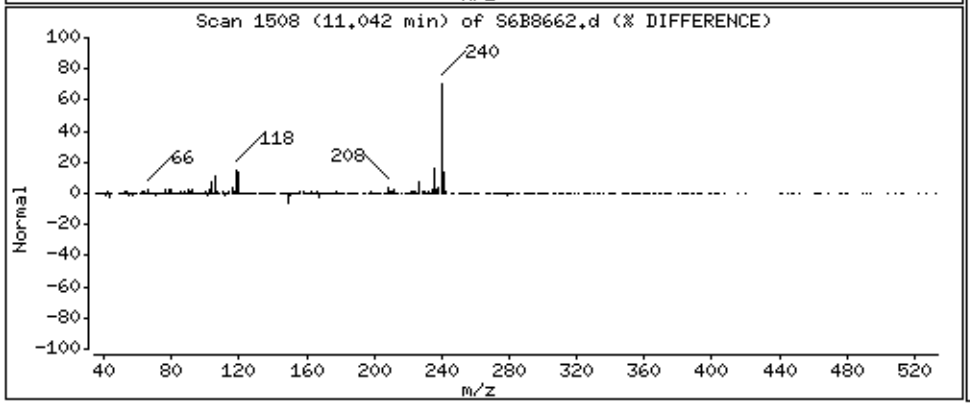












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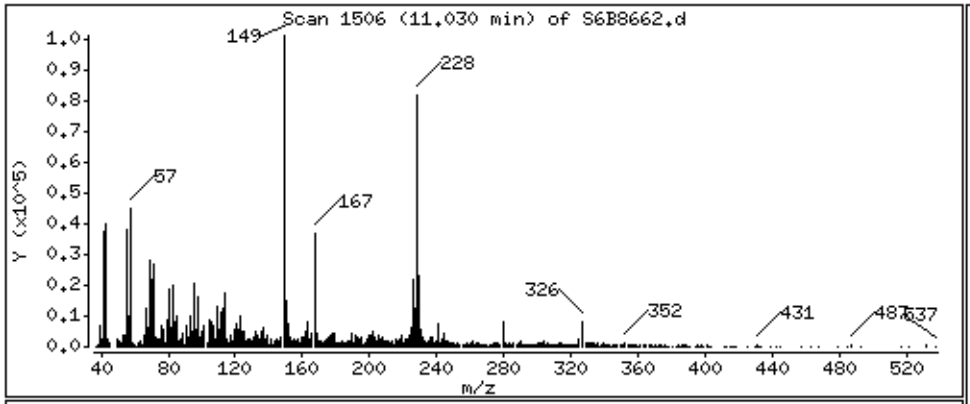
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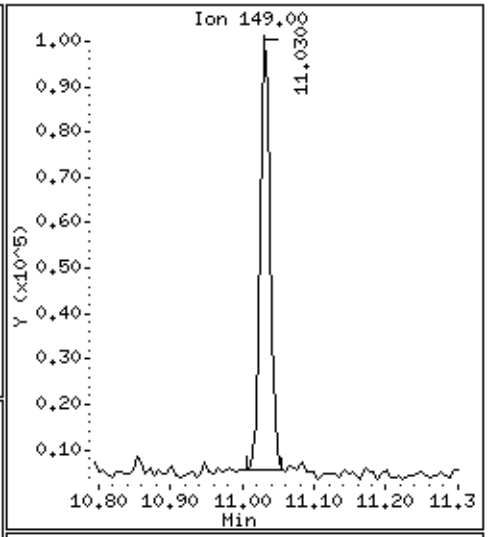
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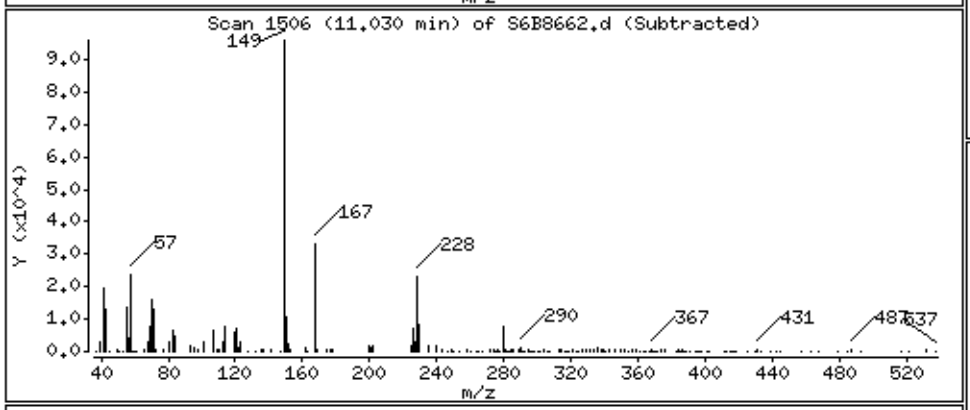
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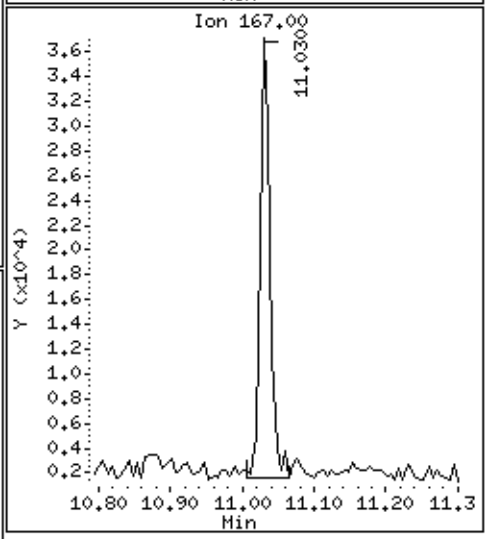
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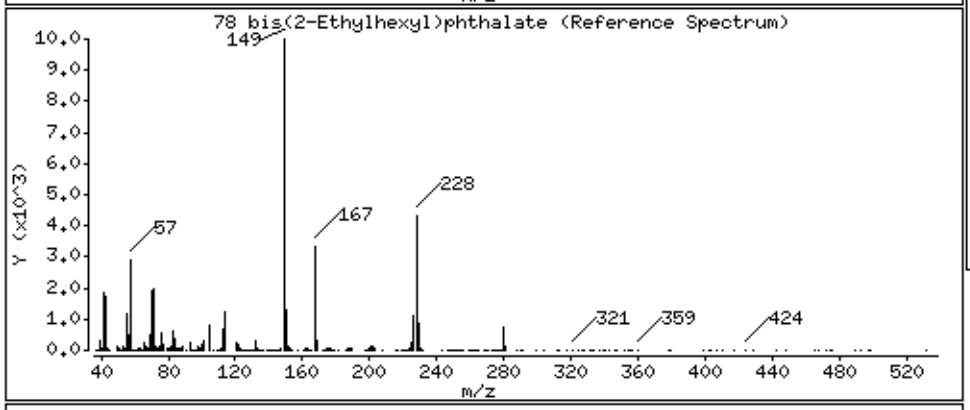
78 bis(2-Ethylhexyl)phthalate Concentration: 290 ug/Kg

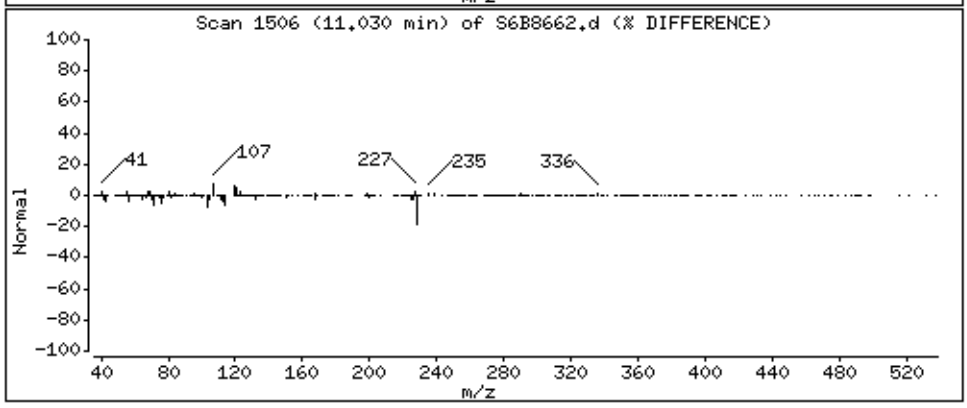












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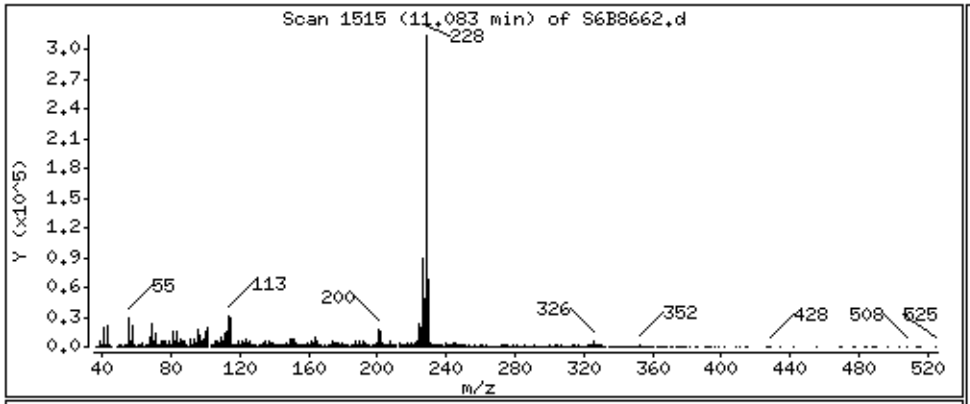
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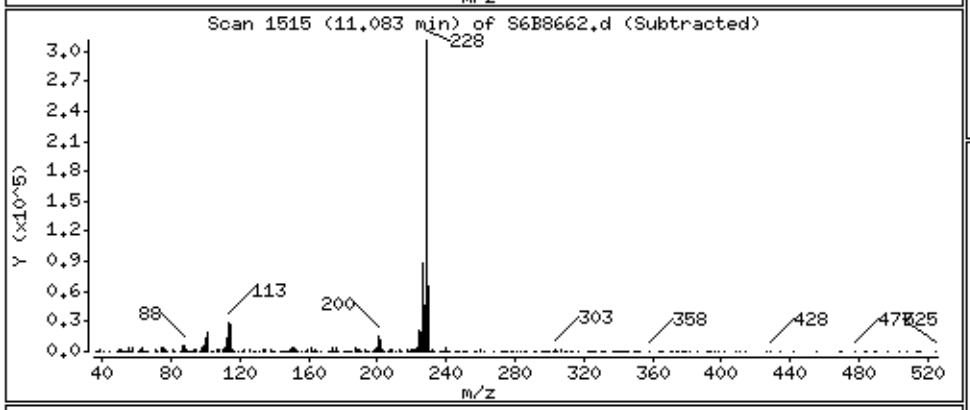
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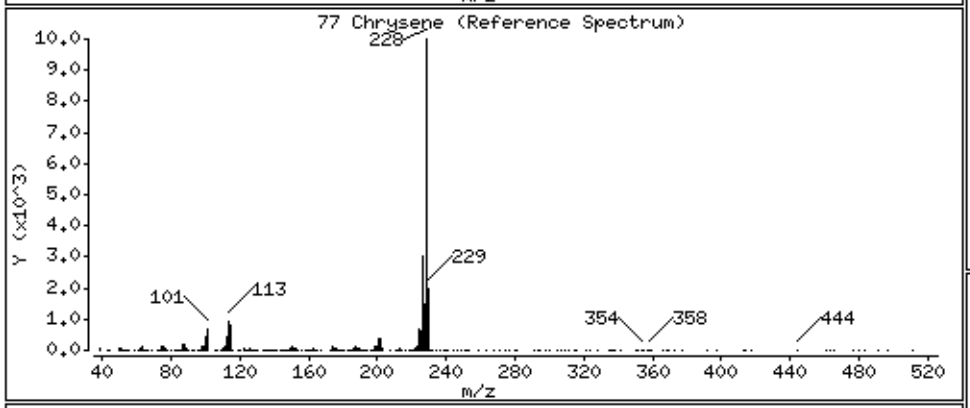
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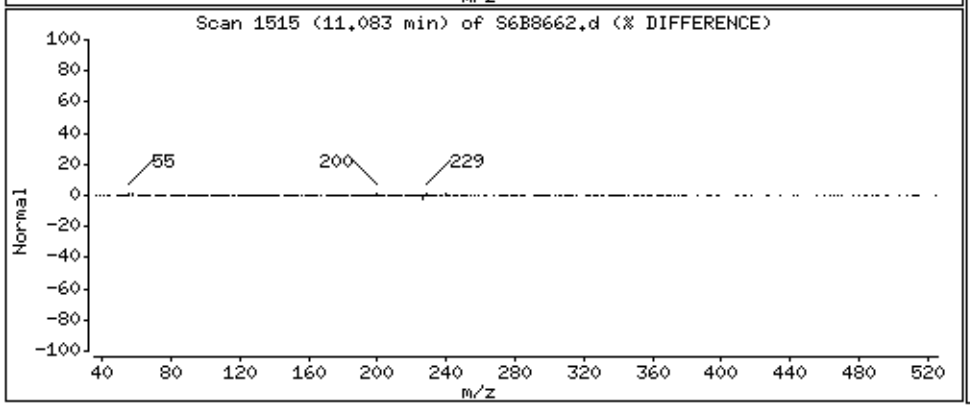
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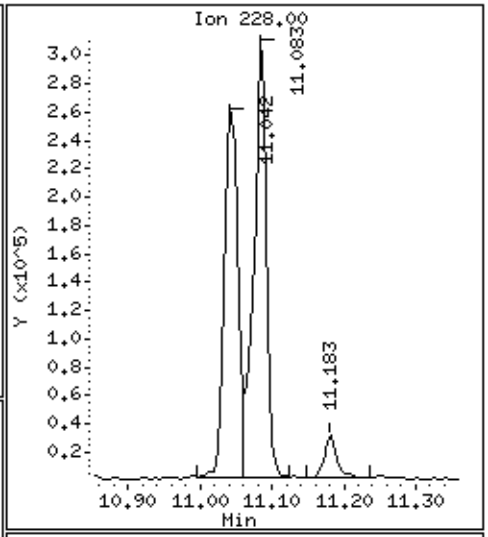
77 Chrysene Concentration: 840 ug/Kg

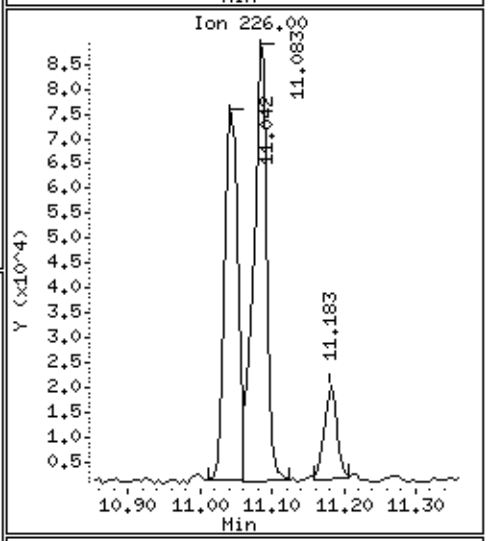


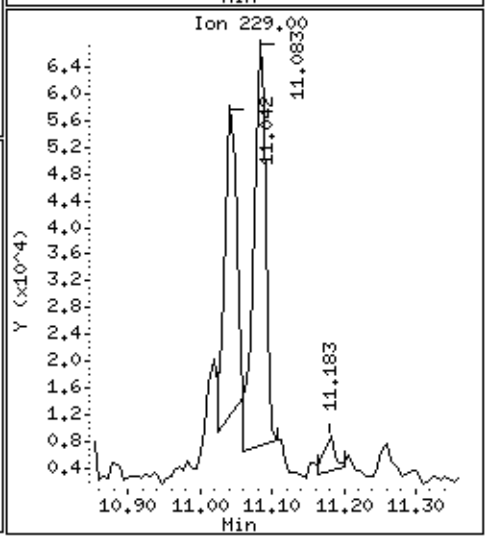












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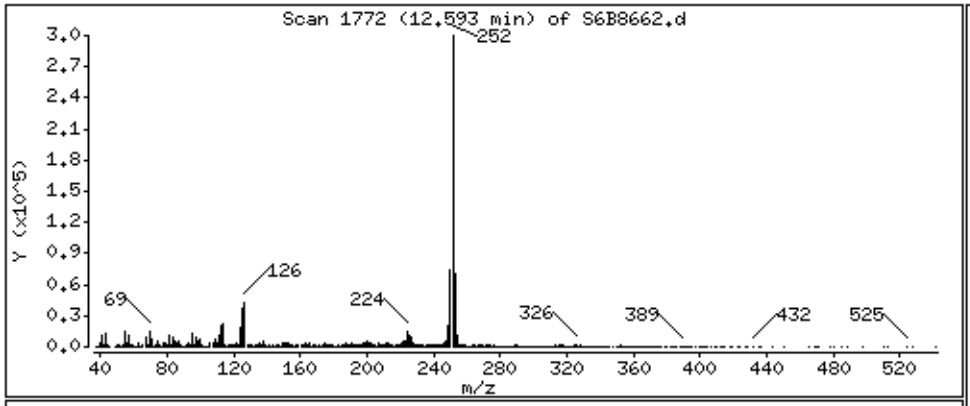
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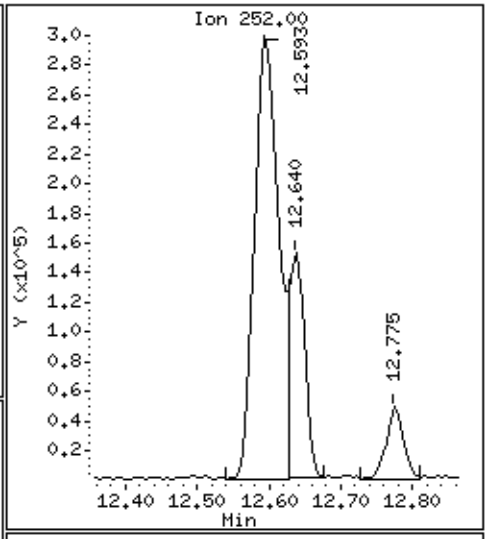
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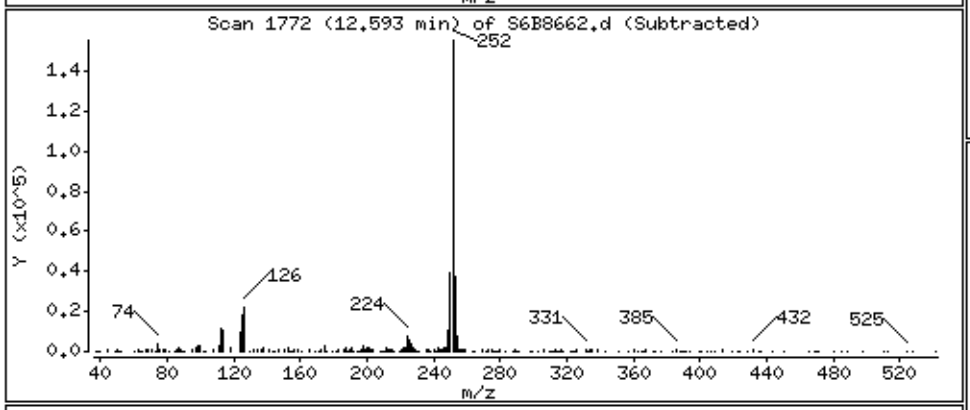
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

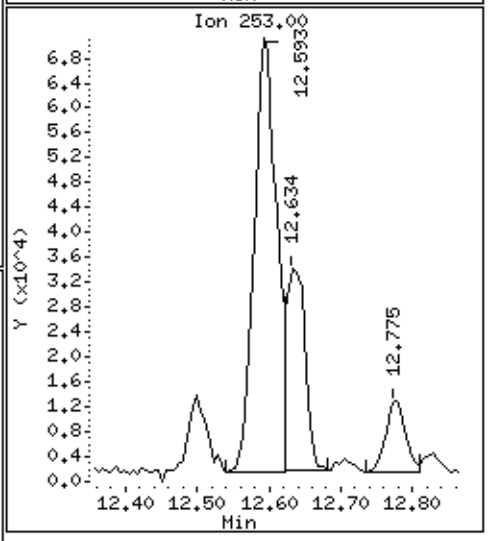
Column phase: Rxi-5Sil MS Column diameter: 0.25

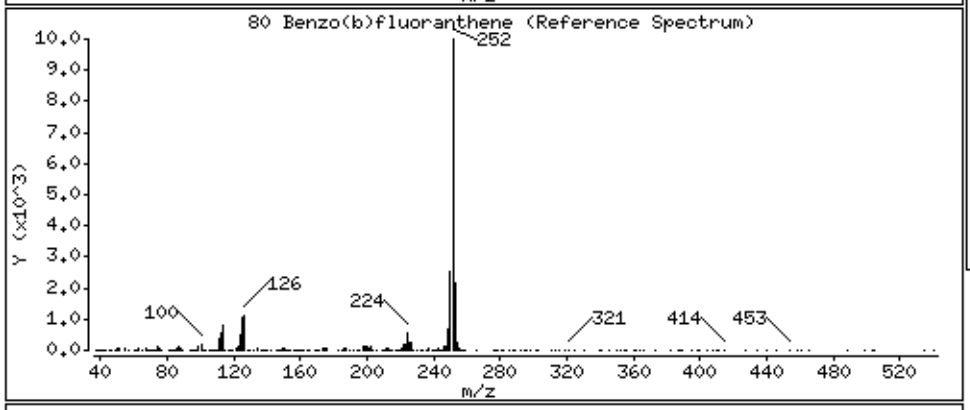
80 Benzo(b)fluoranthene Concentration: 1400 ug/Kg

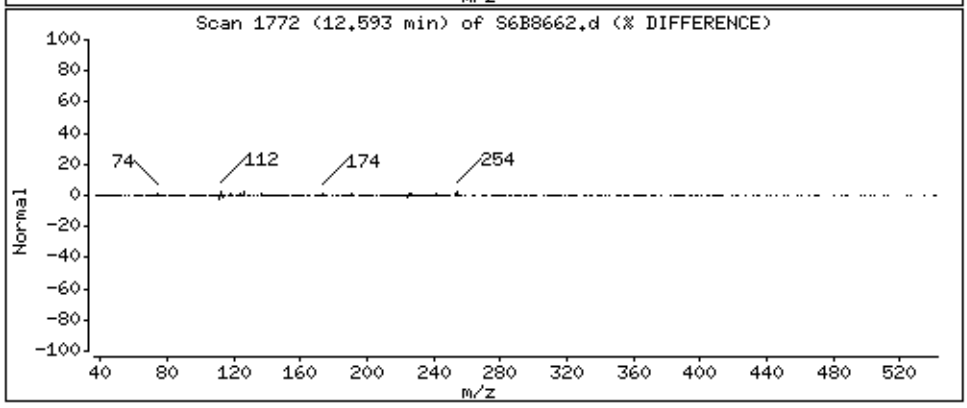












Data File: \\avogadro\organics\S6.I\140718.B\S6B8662.d

Date : 18-JUL-2014 16:39

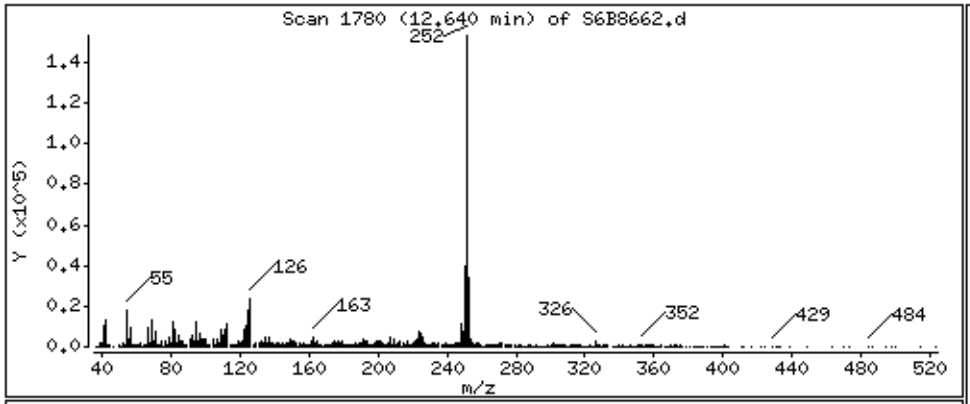
Client ID: SS-32-071014 Instrument: S6.i

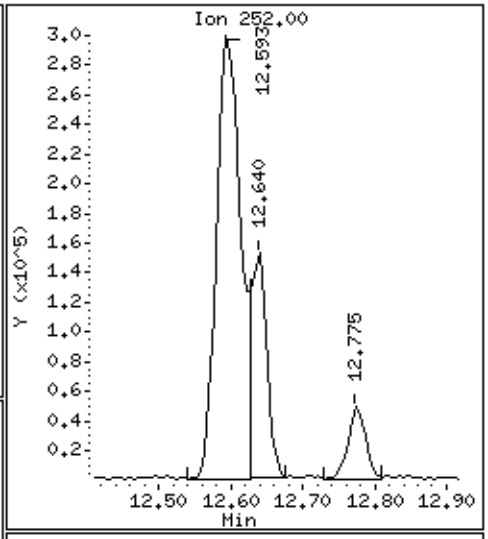
Sample Info: N1194-24A,,78076

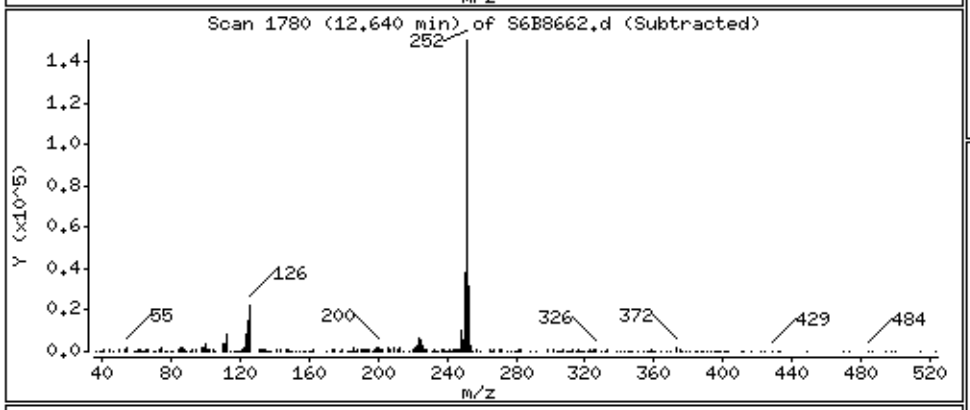
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

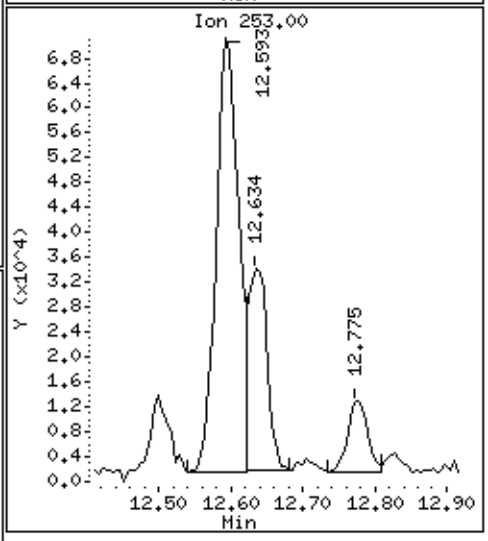
Column phase: Rxi-5Sil MS Column diameter: 0.25

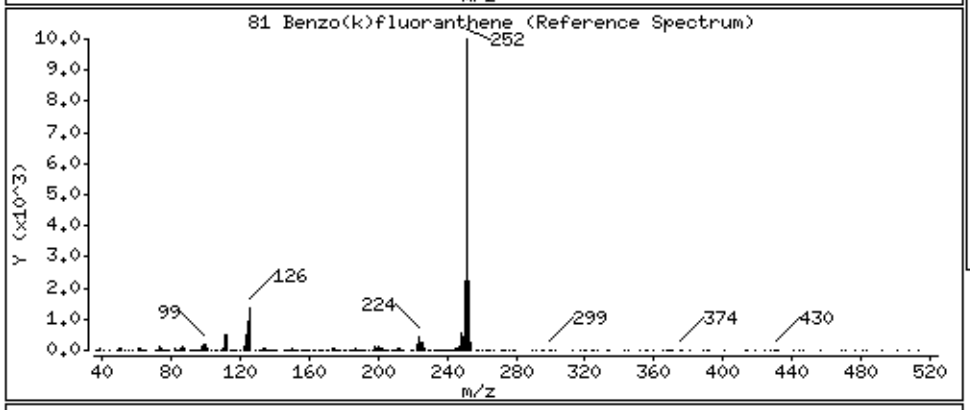
81 Benzo(k)fluoranthene Concentration: 450 ug/Kg

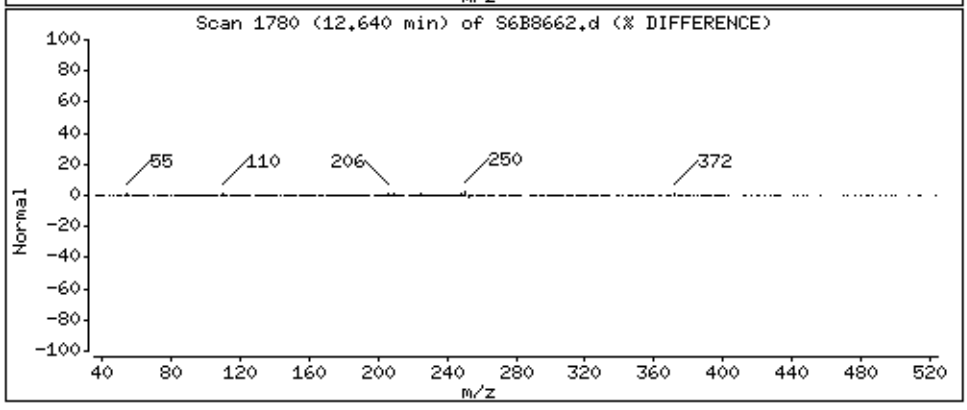












Data File: \\avogadro\organics\S6.I\140718.B\S6B8662.d

Date : 18-JUL-2014 16:39

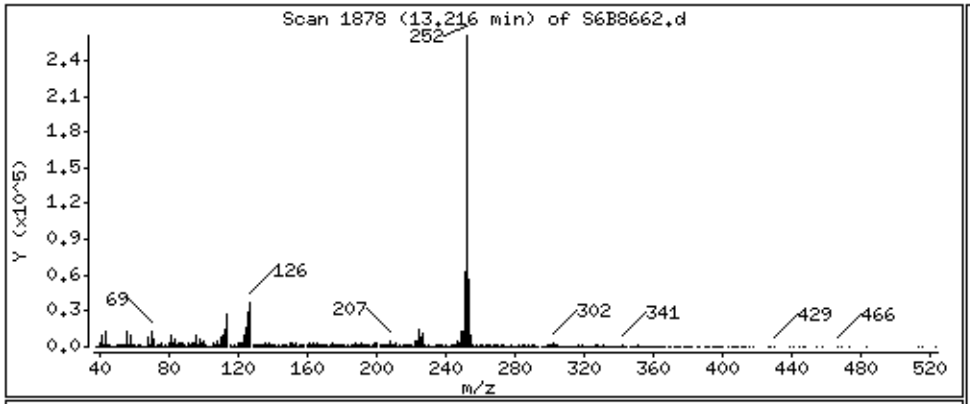
Client ID: SS-32-071014 Instrument: S6.i

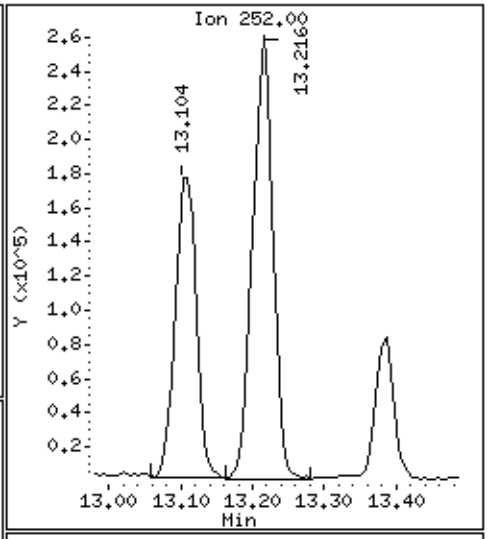
Sample Info: N1194-24A,,78076

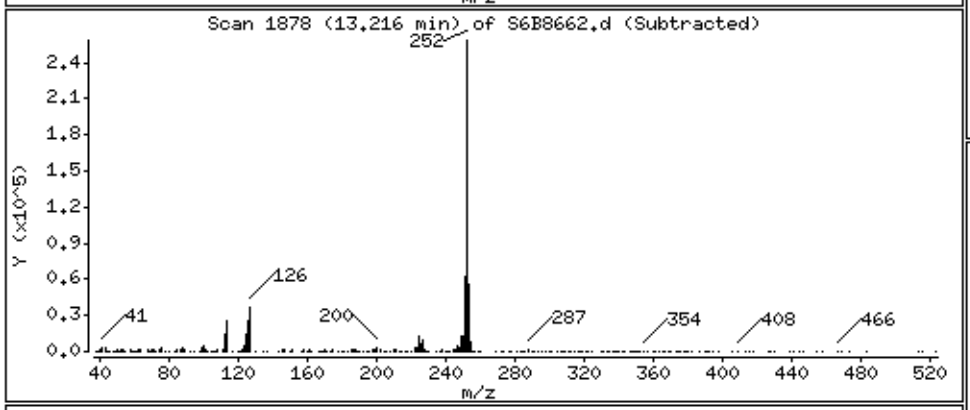
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

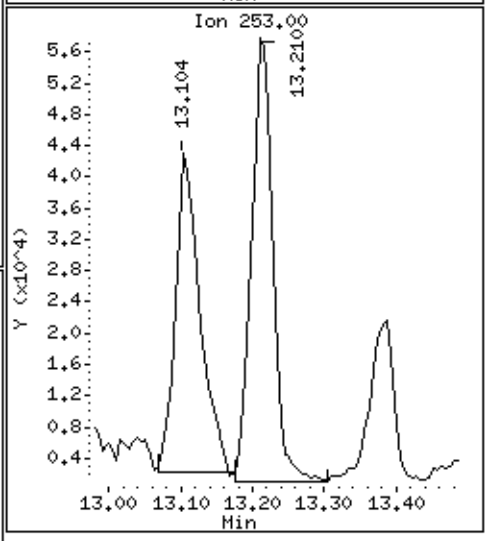
Column phase: Rxi-5Sil MS Column diameter: 0.25

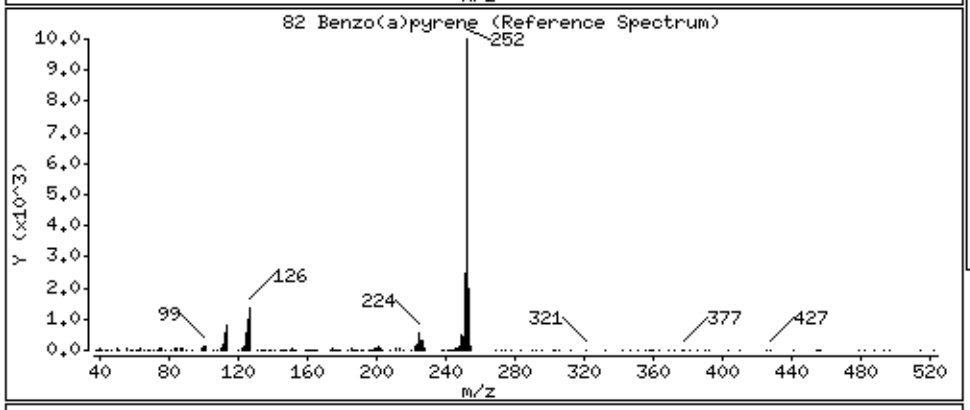
82 Benzo(a)pyrene Concentration: 1000 ug/Kg

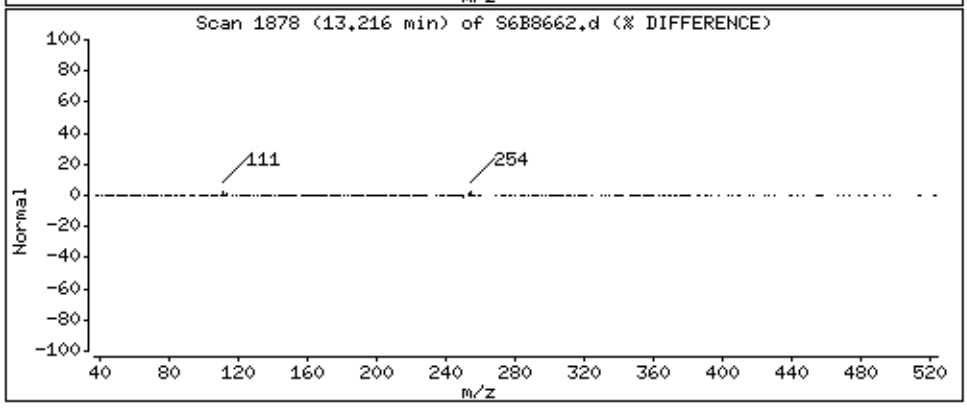












Data File: \\avogadro\organics\S6.I\140718.B\S6B8662.d

Date : 18-JUL-2014 16:39

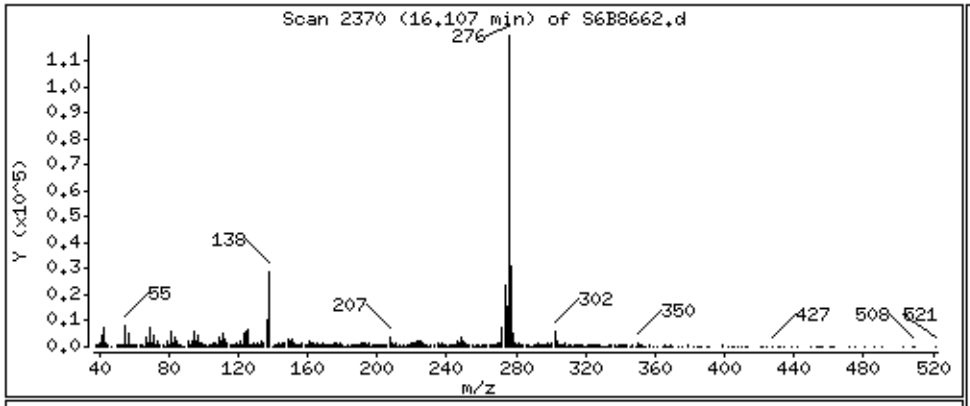
Client ID: SS-32-071014 Instrument: S6.i

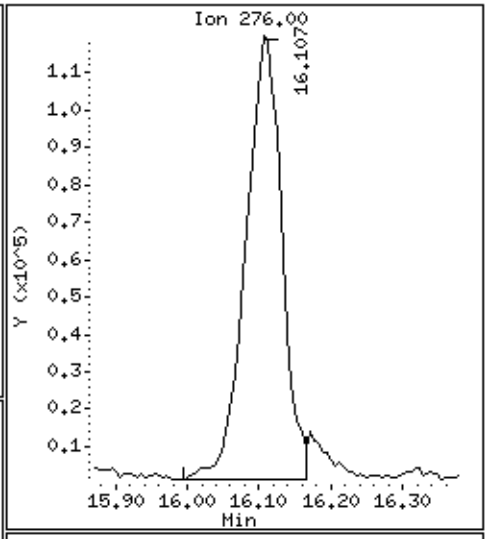
Sample Info: N1194-24A,,78076

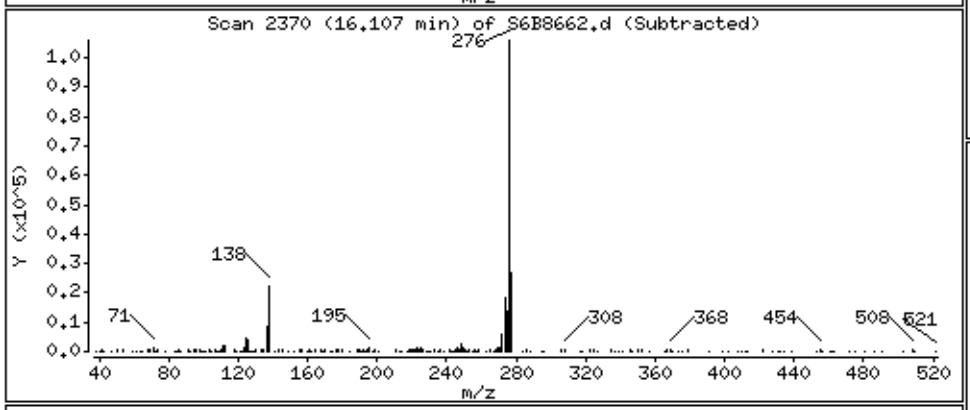
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

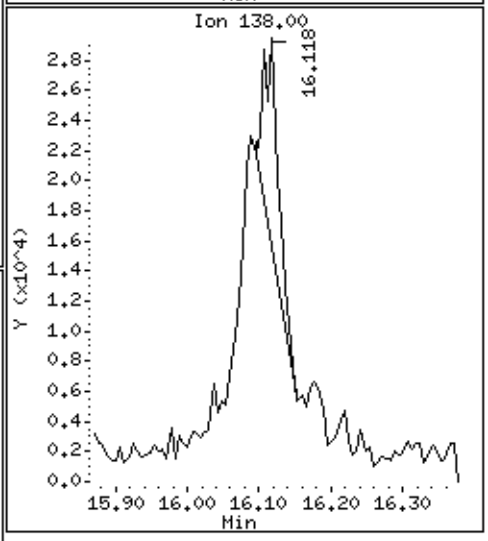
Column phase: Rxi-5Sil MS Column diameter: 0.25

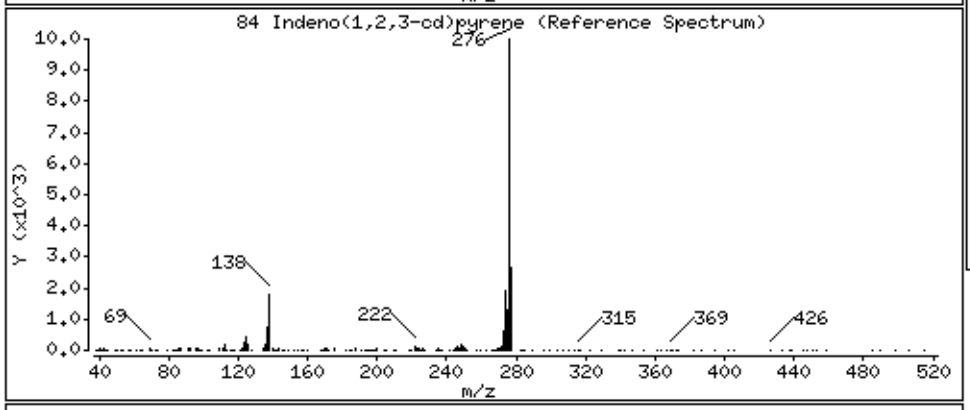
84 Indeno(1,2,3-cd)pyrene Concentration: 990 ug/Kg

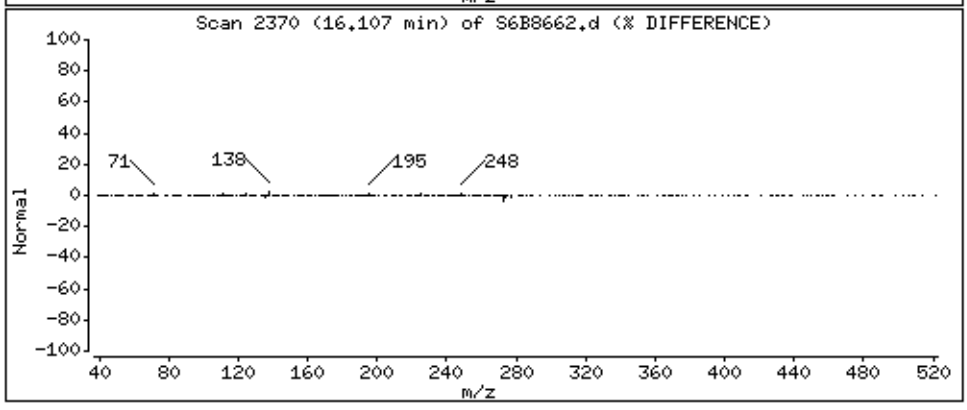












Data File: \\avogadro\organics\S6.I\140718.B\S6B8662.d

Date : 18-JUL-2014 16:39

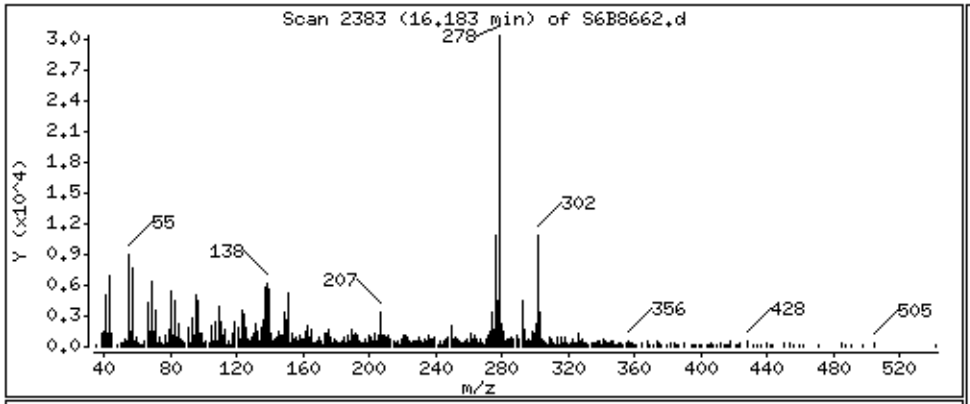
Client ID: SS-32-071014 Instrument: S6.i

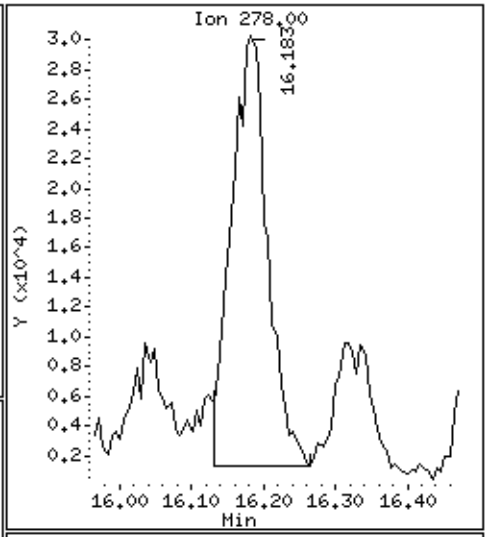
Sample Info: N1194-24A,,78076

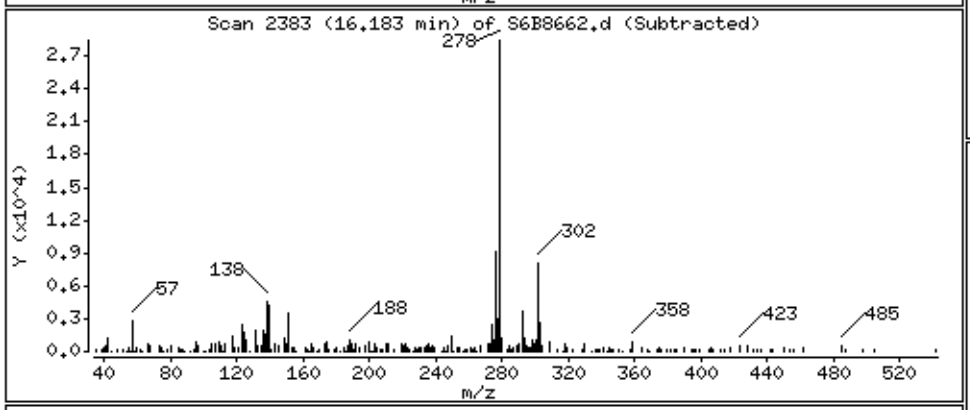
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

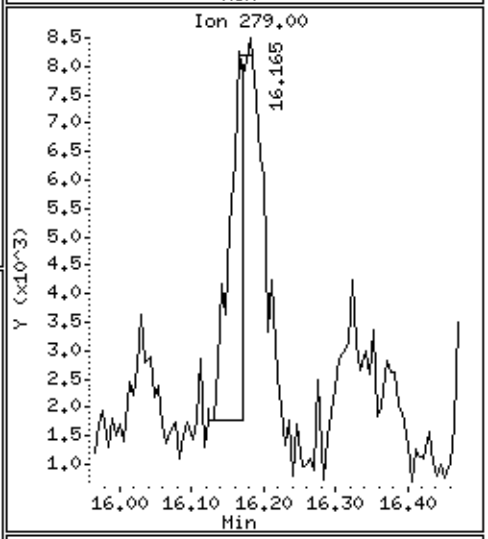
Column phase: Rxi-5Sil MS Column diameter: 0.25

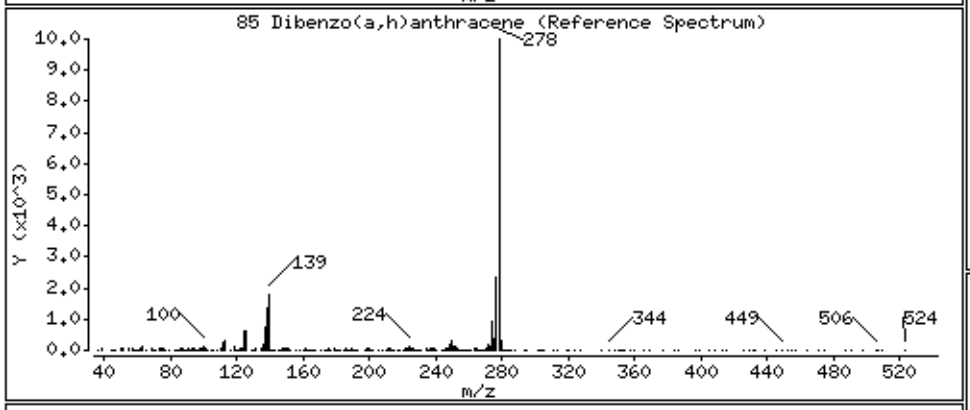
85 Dibenzo(a,h)anthracene Concentration: 250 ug/Kg

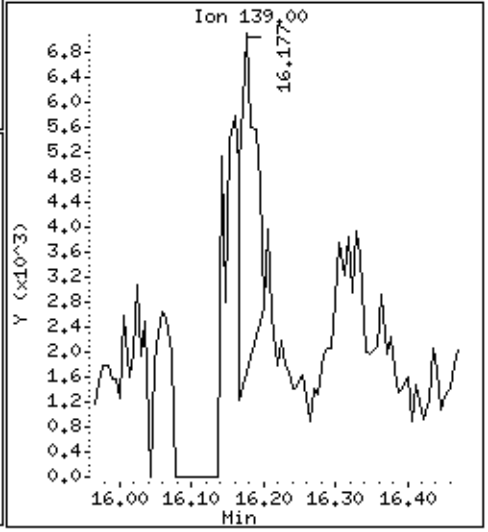


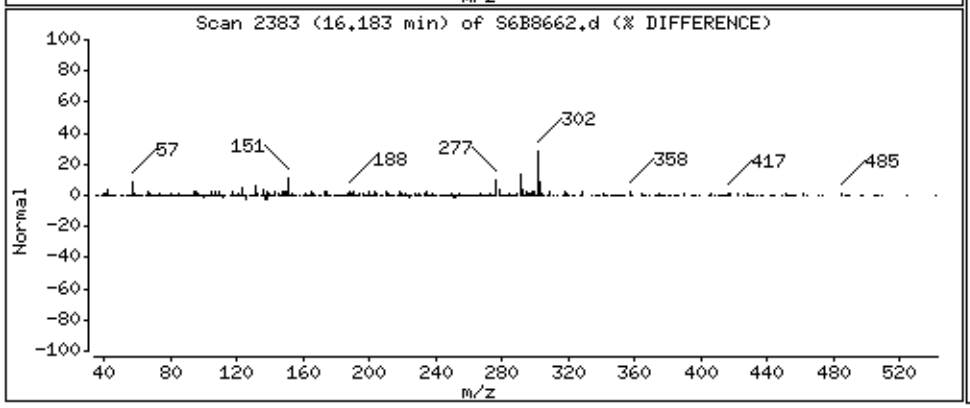












Data File: \\avogadro\organics\S6.I\140718.B\S6B8662.d

Date : 18-JUL-2014 16:39

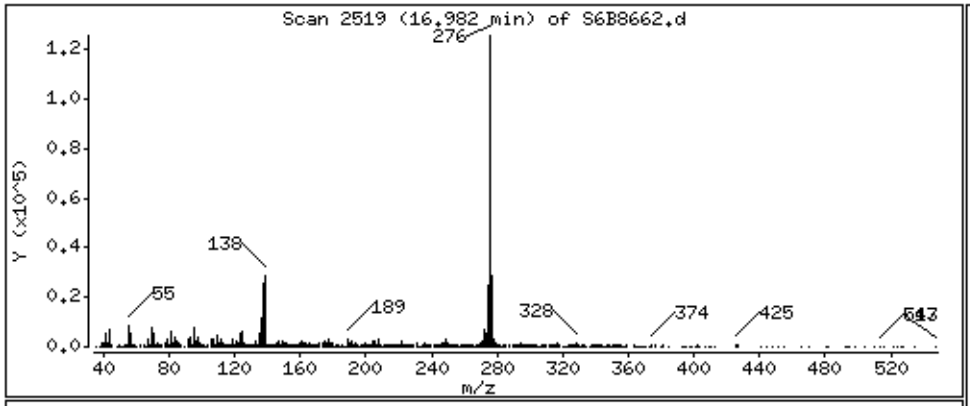
Client ID: SS-32-071014 Instrument: S6.i

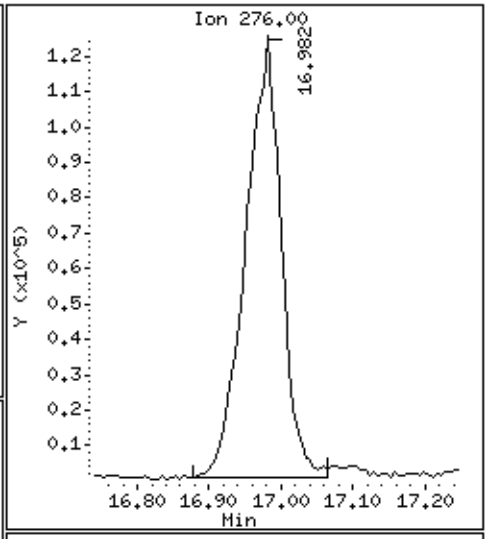
Sample Info: N1194-24A,,78076

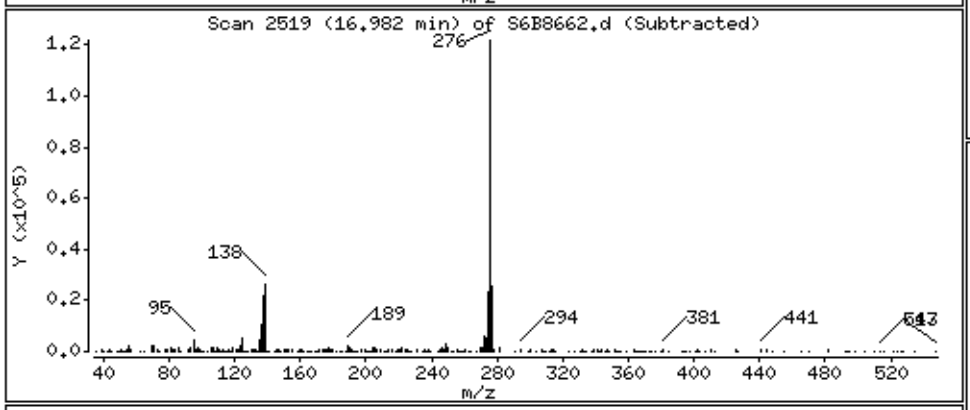
Volume Injected (uL): 1.0 Operator: TM SRC: LIMS

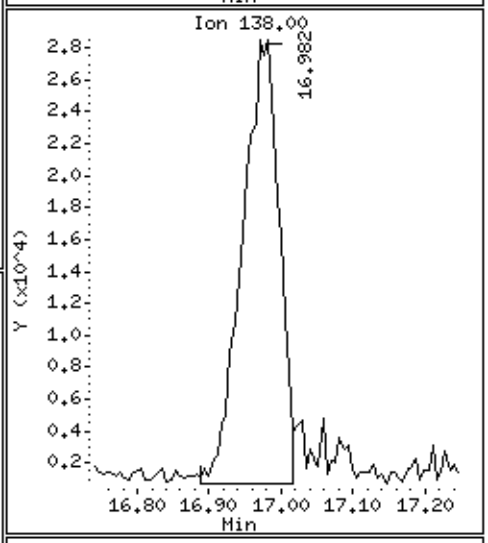
Column phase: Rxi-5Sil MS Column diameter: 0.25

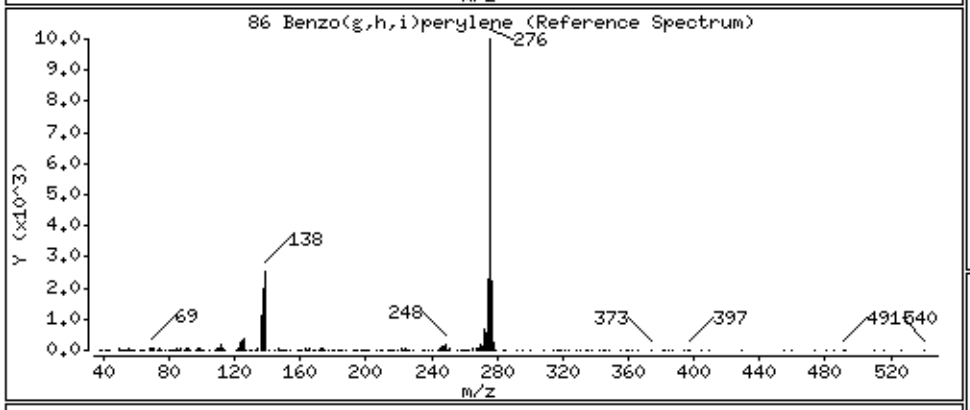
86 Benzo(g,h,i)perylene Concentration: 990 ug/Kg

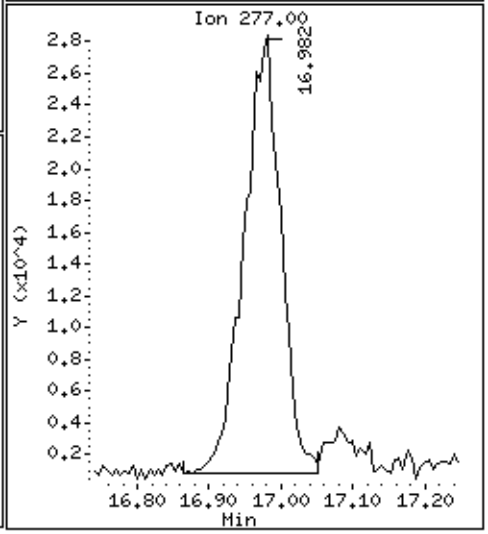


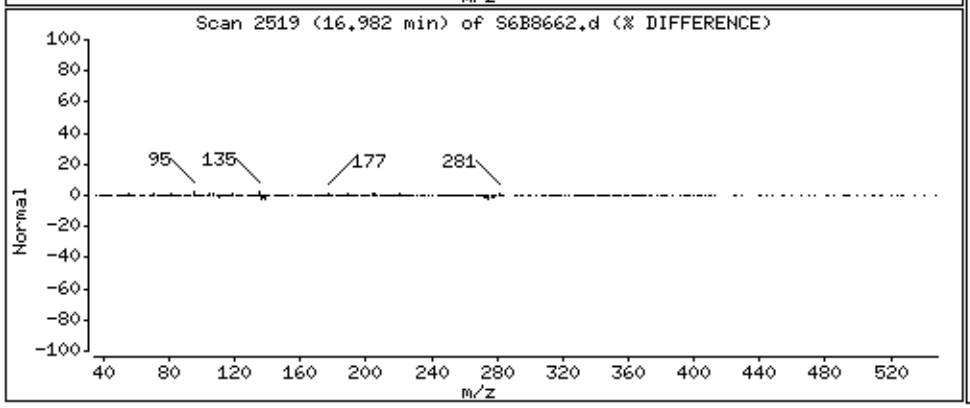












1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-03-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1194-25A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8625.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/14/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Data File: \\avogadro\organics\S6.I\140717.B\S6B8625.d
Report Date: 18-Jul-2014 15:41

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8625.d
Lab Smp Id: N1194-25A Client Smp ID: GW-TP-03-071014
Inj Date : 17-JUL-2014 14:15
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-25A,,78060
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

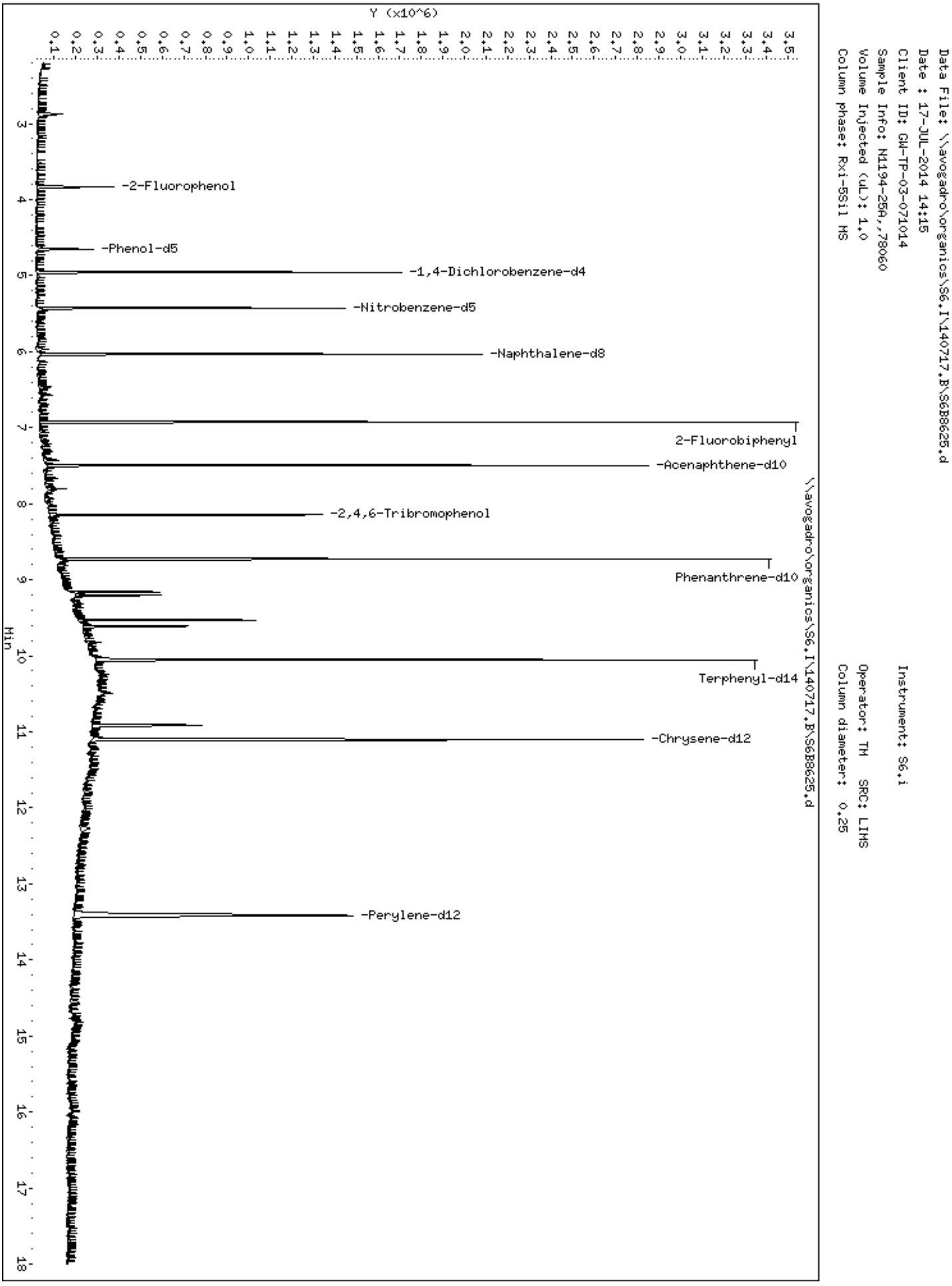
Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	3 2-Fluorophenol	112	3.832	3.832	(0.774)	96169	12.5317	12
$	5 Phenol-d5	99	4.649	4.655	(0.938)	71598	7.30823	7(a)
*	12 1,4-Dichlorobenzene-d4	152	4.954	4.960	(1.000)	231681	40.0000	
$	22 Nitrobenzene-d5	82	5.424	5.430	(0.899)	431384	51.1414	51
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	818382	40.0000	
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.925)	913401	48.5627	48
*	48 Acenaphthene-d10	164	7.493	7.498	(1.000)	537464	40.0000	
$	60 2,4,6-Tribromophenol	330	8.151	8.156	(0.934)	106441	42.0465	42
*	64 Phenanthrene-d10	188	8.726	8.732	(1.000)	1099610	40.0000	
$	72 Terphenyl-d14	244	10.048	10.060	(0.905)	844356	36.1328	36
*	76 Chrysene-d12	240	11.100	11.130	(1.000)	1168160	40.0000	
*	83 Perylene-d12	264	13.415	13.450	(1.000)	1081275	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).


Data File: \\avogadro\organics\S6.I\140717.B\S6B8625.d
Date : 17-JUL-2014 14:15
Client ID: GW-TP-03-071014
Sample Info: N1194-25A,,78060
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS
Instrument: S6.i
Operator: TM SRC: LIMS
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d5
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12
-Perylene-d12
\\avogadro\organics\S6.I\140717.B\S6B8625.d

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-02-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1194-26A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8626.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/14/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Data File: \\avogadro\organics\S6.I\140717.B\S6B8626.d
Report Date: 18-Jul-2014 15:41

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8626.d
Lab Smp Id: N1194-26A Client Smp ID: GW-TP-02-071014
Inj Date : 17-JUL-2014 14:39
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-26A,,78060
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

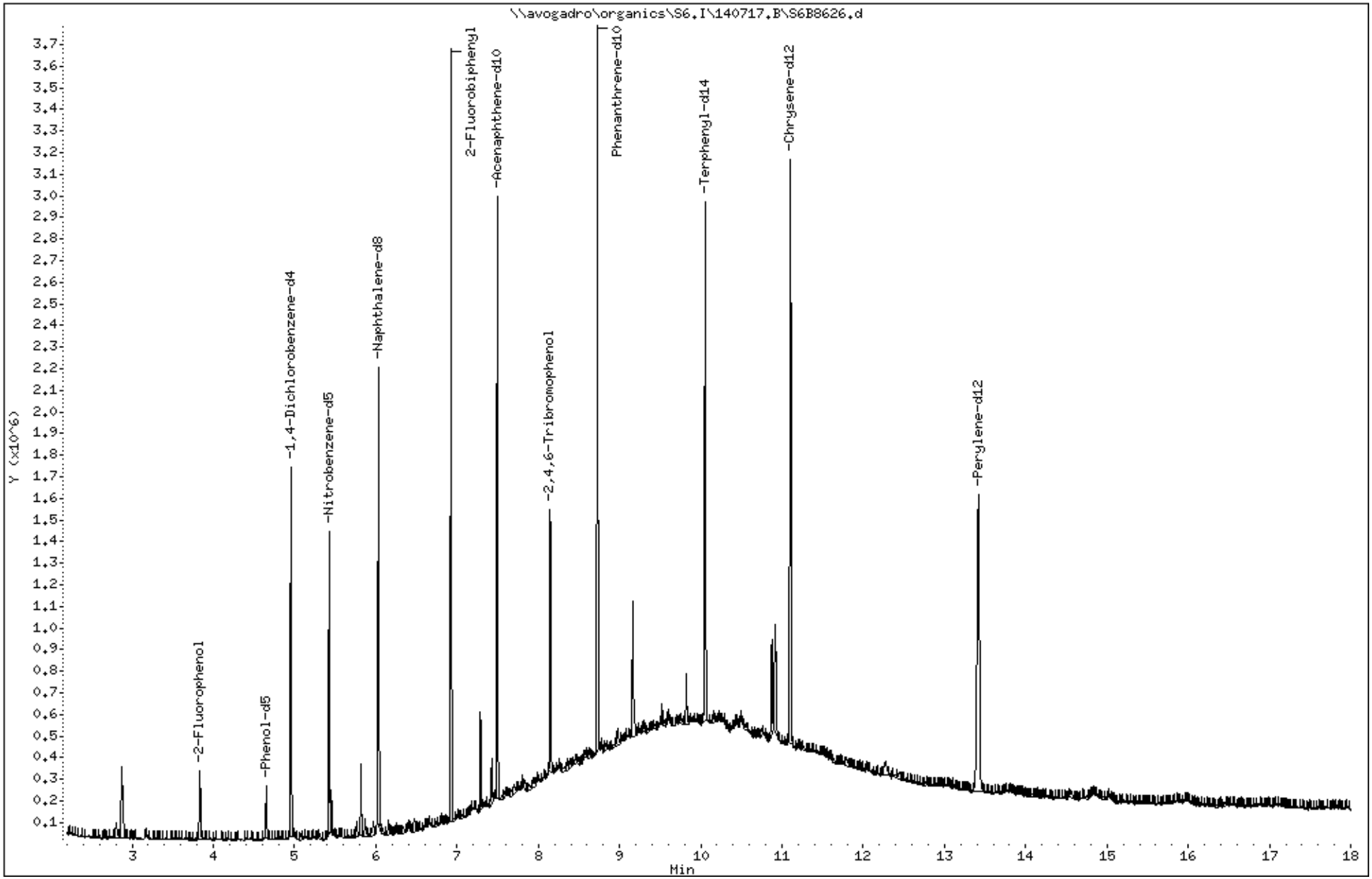
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	3 2-Fluorophenol	112	3.838	3.832	(0.775)	93522	11.7621	12
$	5 Phenol-d5	99	4.649	4.655	(0.938)	80759	7.95606	8(a)
*	12 1,4-Dichlorobenzene-d4	152	4.954	4.960	(1.000)	240046	40.0000	
$	22 Nitrobenzene-d5	82	5.424	5.430	(0.899)	421727	49.1836	49
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	831909	40.0000	
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.925)	891244	47.1479	47
*	48 Acenaphthene-d10	164	7.492	7.498	(1.000)	540163	40.0000	
$	60 2,4,6-Tribromophenol	330	8.151	8.156	(0.934)	107130	42.7517	43
*	64 Phenanthrene-d10	188	8.726	8.732	(1.000)	1088471	40.0000	
$	72 Terphenyl-d14	244	10.054	10.060	(0.902)	724395	30.5610	30
*	76 Chrysene-d12	240	11.106	11.130	(1.000)	1184912	40.0000	(H)
*	83 Perylene-d12	264	13.415	13.450	(1.000)	1098796	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8626.d
Date : 17-JUL-2014 14:39
Client ID: GW-TP-02-071014
Instrument: S6.i
Sample Info: N1194-26A,,78060
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-01-071014

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1194-27A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8627.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/14/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Data File: \\avogadro\organics\S6.I\140717.B\S6B8627.d
Report Date: 18-Jul-2014 15:41

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8627.d
Lab Smp Id: N1194-27A Client Smp ID: FB-01-071014
Inj Date : 17-JUL-2014 15:02
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-27A,,78060
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

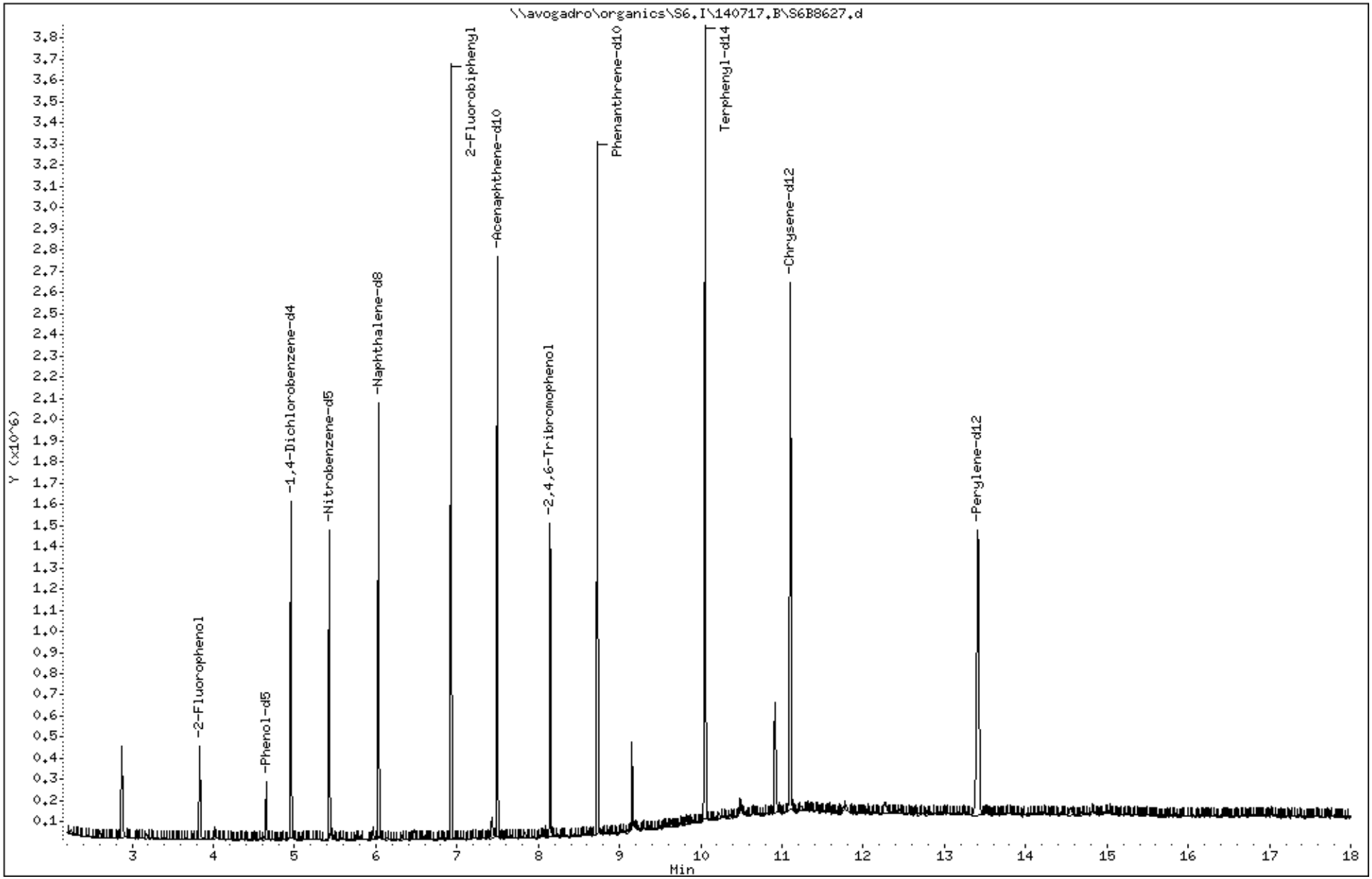
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	3 2-Fluorophenol	112	3.832	3.832	(0.773)	113381	15.2023	15
$	5 Phenol-d5	99	4.649	4.655	(0.938)	81311	8.53992	8(a)
*	12 1,4-Dichlorobenzene-d4	152	4.954	4.960	(1.000)	225163	40.0000	
$	22 Nitrobenzene-d5	82	5.424	5.430	(0.899)	455366	55.4870	55(R)
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	796222	40.0000	
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.925)	962553	51.3872	51
*	48 Acenaphthene-d10	164	7.492	7.498	(1.000)	535254	40.0000	
$	60 2,4,6-Tribromophenol	330	8.150	8.156	(0.934)	127838	51.8316	52
*	64 Phenanthrene-d10	188	8.726	8.732	(1.000)	1071334	40.0000	
$	72 Terphenyl-d14	244	10.054	10.060	(0.905)	1124781	48.5699	48
*	76 Chrysene-d12	240	11.106	11.130	(1.000)	1157655	40.0000	
*	83 Perylene-d12	264	13.409	13.450	(1.000)	1063243	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8627.d
Date : 17-JUL-2014 15:02
Client ID: FB-01-071014
Instrument: S6.i
Sample Info: N1194-27A,,78060
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



6 - FORM VI SV-2

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: N1194 SAS No.: SDG No.: SN1194

Instrument ID: S6 Calibration Date(s): 07/10/2014 07/10/2014

Calibration Times: 11:14 13:29

GC Column: Rxi-5sil MS ID: 0.25 (mm) Length: 30 (mm)

LAB FILE ID: RRF005 = S6B8393.D RRF010 = S6B8395.D RRF025 = S6B8391A.D RRF040 = S6B8396.D RRF060 = S6B8394.D
RRF080 = S6B8392.D

COMPOUND	RRF005	RRF010	RRF025	RRF040	RRF060	RRF080					RRF	% RSD
Phenol	1.704	1.817	1.770	1.769	1.694	1.746					1.750	2.6
2-Methylphenol	1.186	1.344	1.304	1.283	1.228	1.268					1.269	4.4
4-Methylphenol	1.305	1.393	1.353	1.348	1.265	1.324					1.331	3.3
Naphthalene	1.101	1.162	1.022	0.997	0.894	0.872					1.008	11.3
Acenaphthylene	1.818	2.043	1.934	1.882	1.799	1.845					1.887	4.8
Acenaphthene	1.204	1.305	1.199	1.218	1.165	1.207					1.216	3.8
Fluorene	1.403	1.536	1.463	1.430	1.367	1.403					1.434	4.2
Pentachlorophenol		0.159	0.155	0.156	0.150	0.155					0.155	2.1
Phenanthrene	1.058	1.185	1.106	1.077	1.026	1.029					1.080	5.5
Anthracene	1.059	1.203	1.144	1.086	1.053	1.057					1.101	5.5
Fluoranthene	1.172	1.379	1.290	1.213	1.169	1.193					1.236	6.7
Pyrene	1.200	1.332	1.324	1.235	1.142	1.159					1.232	6.6
Benzo(a)anthracene	1.118	1.225	1.188	1.152	1.076	1.094					1.142	5.0
Chrysene	1.026	1.128	1.102	1.051	0.980	1.003					1.048	5.5
Benzo(b)fluoranthene	1.089	1.255	1.234	1.204	1.120	1.154					1.176	5.6
Benzo(k)fluoranthene	1.082	1.295	1.286	1.163	1.154	1.185					1.194	6.9
Benzo(a)pyrene	1.031	1.176	1.202	1.120	1.086	1.116					1.122	5.5
Indeno(1,2,3-cd)pyrene	0.930	1.002	1.011	0.981	0.969	0.981					0.979	2.9
Dibenzo(a,h)anthracene	0.872	0.992	0.971	0.963	0.951	0.966					0.952	4.4
Benzo(g,h,i)perylene	0.938	1.049	1.042	1.014	1.007	1.015					1.011	3.9

6 - FORM VI SV-3

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: N1194 SAS No.: SDG No.: SN1194

Instrument ID: S6 Calibration Date(s): 07/10/2014 07/10/2014

Calibration Times: 11:14 13:29

GC Column: Rxi-5sil MS ID: 0.25 (mm) Length: 30 (mm)

LAB FILE ID: RRF005 = S6B8393.D RRF010 = S6B8395.D RRF025 = S6B8391A.D RRF040 = S6B8396.D RRF060 = S6B8394.D
RRF080 = S6B8392.D

COMPOUND	RRF005	RRF010	RRF025	RRF040	RRF060	RRF080					RRF	% RSD
Nitrobenzene-d5	0.418	0.471	0.419	0.414	0.384	0.368					0.412	8.6
2-Fluorobiphenyl	1.337	1.499	1.411	1.403	1.362	1.387					1.400	4.0
Terphenyl-d14	0.758	0.865	0.851	0.814	0.755	0.757					0.800	6.3
Phenol-d5	1.617	1.777	1.693	1.722	1.641	1.699					1.691	3.4
2-Fluorophenol	1.269	1.373	1.300	1.335	1.311	1.361					1.325	3.0
2,4,6-Tribromophenol	0.087	0.095	0.091	0.095	0.093	0.092					0.092	3.2

Data File: \\avogadro\organics\S6.I\140710.B\S6B8391A.d
Report Date: 11-Jul-2014 12:57

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140710.B\S6B8391A.d
Lab Smp Id: SSTD0256A Client Smp ID: SSTD0256A
Inj Date : 10-JUL-2014 11:14
Operator : TM   SRC: TM Inst ID: S6.i
Smp Info : SSTD0256A,SSTD0256A
Misc Info : 2,3
Comment   :
Method   : \\avogadro\organics\S6.I\140710.B\S6_8270C_N.m
Meth Date : 11-Jul-2014 12:48 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	109 1,4-Dioxane-d8	96	2.469	2.487	(0.485)	125408	25.0000	25
	108 1,4-Dioxane	58	2.492	2.499	(0.489)	80165	25.0000	25
	1 N-Nitrosodimethylamine	74	2.763	2.763	(0.542)	189699	25.0000	24(Q)
	2 Pyridine	79	2.804	2.804	(0.550)	349204	25.0000	24
$	3 2-Fluorophenol	112	3.955	3.956	(0.776)	347417	25.0000	24
	101 Benzaldehyde	77	4.725	4.725	(0.927)	324993	25.0000	32
$	5 Phenol-d5	99	4.766	4.767	(0.935)	452509	25.0000	25
	6 Phenol	94	4.778	4.778	(0.938)	473216	25.0000	25
	7 Aniline	66	4.778	4.778	(0.938)	240005	25.0000	26
	8 bis(2-Chloroethyl)Ether	63	4.866	4.866	(0.955)	245457	25.0000	25
	10 2-Chlorophenol	128	4.913	4.913	(0.964)	350593	25.0000	24
	11 1,3-Dichlorobenzene	146	5.048	5.049	(0.991)	396892	25.0000	24
*	12 1,4-Dichlorobenzene-d4	152	5.095	5.096	(1.000)	427667	40.0000	
	13 1,4-Dichlorobenzene	146	5.113	5.113	(1.003)	408032	25.0000	24
	117 2-Ethyl-1-hexanol	57	5.142	5.143	(1.009)	348199	25.0000	25
	15 Benzyl Alcohol	108	5.207	5.207	(1.022)	257442	25.0000	25
	16 1,2-Dichlorobenzene	146	5.242	5.242	(1.029)	382014	25.0000	24
	17 2-Methylphenol	108	5.295	5.295	(1.039)	348483	25.0000	26
	18 2,2'-oxybis(1-Chloropropane)	45	5.324	5.325	(1.045)	415142	25.0000	25(Q)
	99 Acetophenone	105	5.436	5.436	(1.067)	588245	25.0000	25

Data File: \\avogadro\organics\S6.I\140710.B\S6B8391A.d
Report Date: 11-Jul-2014 12:57

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
	19 N-Nitroso-di-n-propylamine	70	5.436	5.431	(1.067)	307542	25.0000	25
	20 4-Methylphenol	108	5.424	5.425	(1.065)	361683	25.0000	25
	21 Hexachloroethane	117	5.530	5.530	(1.085)	161281	25.0000	25
$	22 Nitrobenzene-d5	82	5.565	5.566	(0.901)	416443	25.0000	25
	23 Nitrobenzene	77	5.583	5.583	(0.904)	434864	25.0000	26
	24 Isophorone	82	5.783	5.783	(0.936)	756257	25.0000	26
	25 2-Nitrophenol	139	5.847	5.848	(0.947)	215164	25.0000	26
	26 2,4-Dimethylphenol	107	5.877	5.877	(0.951)	393528	25.0000	28
	27 bis(2-Chloroethoxy)methane	93	5.959	5.959	(0.965)	452013	25.0000	26
	28 Benzoic Acid	105	5.947	5.953	(0.963)	342866	25.0000	30
	29 2,4-Dichlorophenol	162	6.047	6.047	(0.979)	314322	25.0000	25
	30 1,2,4-Trichlorobenzene	180	6.124	6.124	(0.991)	341119	25.0000	25
*	31 Naphthalene-d8	136	6.176	6.177	(1.000)	1590796	40.0000	
	32 Naphthalene	128	6.194	6.194	(1.003)	1016359	25.0000	25
	115 alpha-Terpineol	59	6.194	6.188	(1.003)	221854	25.0000	26
	33 4-Chloroaniline	127	6.229	6.230	(1.009)	452204	25.0000	26
	34 Hexachlorobutadiene	225	6.294	6.294	(1.019)	207739	25.0000	24
	102 Caprolactam	113	6.523	6.523	(1.056)	142038	25.0000	26
	35 4-Chloro-3-Methylphenol	107	6.623	6.623	(1.072)	371048	25.0000	26
	36 2-Methylnaphthalene	142	6.770	6.770	(1.096)	709600	25.0000	26
	114 1-Methylnaphthalene	142	6.852	6.852	(1.109)	720179	25.0000	26
	38 Hexachlorocyclopentadiene	237	6.899	6.899	(0.904)	230231	25.0000	25
	112 1,2,4,5-Tetrachlorobenzene	216	6.905	6.905	(0.905)	384176	25.0000	25
	39 2,4,6-Trichlorophenol	196	6.993	6.993	(0.916)	261218	25.0000	24
	40 2,4,5-Trichlorophenol	196	7.028	7.029	(0.921)	276328	25.0000	25
$	41 2-Fluorobiphenyl	172	7.064	7.064	(0.925)	870979	25.0000	25
	98 1,1'-Biphenyl	154	7.152	7.152	(0.937)	1129288	25.0000	25
	42 2-Chloronaphthalene	162	7.175	7.176	(0.940)	729412	25.0000	25
	43 2-Nitroaniline	65	7.246	7.246	(0.949)	258430	25.0000	25
	44 Dimethylphthalate	163	7.399	7.399	(0.969)	878920	25.0000	25
	45 2,6-Dinitrotoluene	165	7.446	7.446	(0.975)	212889	25.0000	25
	46 Acenaphthylene	152	7.522	7.516	(0.985)	1193409	25.0000	26
	47 3-Nitroaniline	138	7.587	7.587	(0.994)	229696	25.0000	25
*	48 Acenaphthene-d10	164	7.634	7.634	(1.000)	987439	40.0000	
	49 Acenaphthene	153	7.663	7.663	(1.004)	740006	25.0000	25
	50 2,4-Dinitrophenol	184	7.669	7.669	(1.005)	128464	25.0000	23(Q)
	51 4-Nitrophenol	109	7.710	7.710	(1.010)	150697	25.0000	25
	53 2,4-Dinitrotoluene	165	7.780	7.781	(1.019)	290485	25.0000	26
	52 Dibenzofuran	168	7.804	7.804	(1.022)	1051639	25.0000	26
	110 2,3,4,6-Tetrachlorophenol	232	7.863	7.863	(1.030)	252383	25.0000	26
	54 Diethylphthalate	149	7.974	7.975	(1.045)	840669	25.0000	26
	56 4-Chlorophenyl-phenylether	204	8.080	8.080	(1.058)	463237	25.0000	25
	55 Fluorene	166	8.086	8.086	(1.059)	903089	25.0000	26
	57 4-Nitroaniline	138	8.092	8.092	(1.060)	239457	25.0000	26
	58 4,6-Dinitro-2-methylphenol	198	8.115	8.116	(0.915)	184326	25.0000	25
	59 N-Nitrosodiphenylamine	169	8.174	8.174	(0.922)	817121	25.0000	25
	97 Azobenzene	77	8.209	8.210	(0.926)	979979	25.0000	26
$	60 2,4,6-Tribromophenol	330	8.286	8.286	(0.934)	110185	25.0000	25
	61 4-Bromophenyl-phenylether	248	8.486	8.486	(0.957)	261958	25.0000	25
	62 Hexachlorobenzene	284	8.544	8.545	(0.964)	242511	25.0000	25
	100 Atrazine	200	8.609	8.609	(0.971)	209136	25.0000	29
	63 Pentachlorophenol	266	8.697	8.703	(0.981)	188249	25.0000	25
	111 Pentachloronitrobenzene	237	8.715	8.715	(0.983)	118984	25.0000	25
*	64 Phenanthrene-d10	188	8.867	8.868	(1.000)	1942149	40.0000	

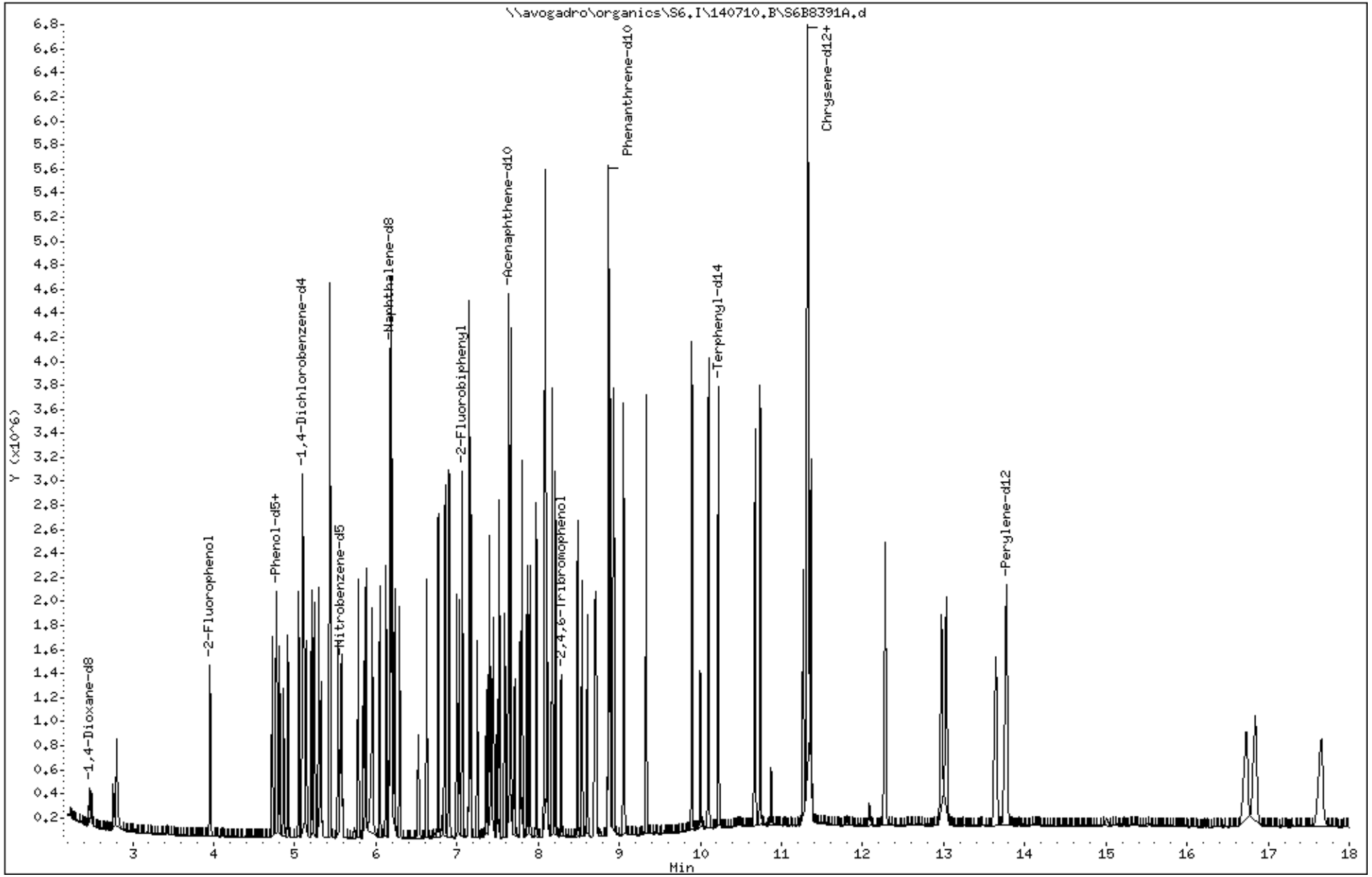
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Report Date: 11-Jul-2014 12:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
65	Phenanthrene	178	8.885	8.891	(1.002)	1342005	25.0000	26
66	Anthracene	178	8.932	8.932	(1.007)	1388542	25.0000	26
67	Carbazole	167	9.055	9.056	(1.021)	1251168	25.0000	26
68	Di-n-butylphthalate	149	9.332	9.338	(1.052)	1436285	25.0000	26
69	Fluoranthene	202	9.896	9.908	(1.116)	1565638	25.0000	26
70	Benzidine	184	10.001	10.008	(0.883)	500689	25.0000	32
71	Pyrene	202	10.101	10.107	(0.892)	1553176	25.0000	27
$ 72	Terphenyl-d14	244	10.219	10.231	(0.902)	998477	25.0000	27
73	Butylbenzylphthalate	149	10.671	10.689	(0.942)	659533	25.0000	27
74	3,3'-Dichlorobenzidine	252	11.271	11.288	(0.995)	508109	25.0000	27
78	bis(2-Ethylhexyl)phthalate	149	11.318	11.335	(0.999)	922579	25.0000	27
75	Benzo(a)anthracene	228	11.318	11.330	(0.999)	1392832	25.0000	26
* 76	Chrysene-d12	240	11.329	11.347	(1.000)	1876392	40.0000	
77	Chrysene	228	11.365	11.382	(1.003)	1292216	25.0000	26
79	Di-n-octylphthalate	149	12.275	12.299	(0.891)	1559666	25.0000	28
80	Benzo(b)fluoranthene	252	12.974	12.992	(0.942)	1224510	25.0000	26
81	Benzo(k)fluoranthene	252	13.027	13.051	(0.946)	1275550	25.0000	27
82	Benzo(a)pyrene	252	13.644	13.662	(0.991)	1192008	25.0000	27
* 83	Perylene-d12	264	13.774	13.791	(1.000)	1587070	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.729	16.753	(1.215)	1002664	25.0000	26(TQ)
85	Dibenzo(a,h)anthracene	278	16.835	16.864	(1.222)	963481	25.0000	25(TQ)
86	Benzo(g,h,i)perylene	276	17.657	17.681	(1.282)	1033903	25.0000	26(TQ)

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.

Data File: \\avogadro\organics\S6.I\140710.B\S6B8391A.d
Date : 10-JUL-2014 11:14
Client ID: SSTD0256A
Instrument: S6.i
Sample Info: SSTD0256A,SSTD0256A
Volume Injected (uL): 1.0
Operator: TM SRC: TM
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140710.B\S6B8392.d
Report Date: 11-Jul-2014 12:49

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140710.B\S6B8392.d
Lab Smp Id: SSTD0806A Client Smp ID: SSTD0806A
Inj Date : 10-JUL-2014 11:57
Operator : TM   SRC: TM Inst ID: S6.i
Smp Info : SSTD0806A,SSTD0806A
Misc Info : 1,6
Comment   :
Method   : \\avogadro\organics\S6.I\140710.B\S6_8270C_N.m
Meth Date : 11-Jul-2014 12:48 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
$	109 1,4-Dioxane-d8	96	2.469	2.487	(0.484)	352489	80.0000	81
	108 1,4-Dioxane	58	2.492	2.499	(0.489)	228497	80.0000	83(A)
	1 N-Nitrosodimethylamine	74	2.763	2.763	(0.542)	617331	80.0000	90(A)
	2 Pyridine	79	2.798	2.804	(0.549)	1065136	80.0000	83(A)
$	3 2-Fluorophenol	112	3.961	3.956	(0.777)	1019249	80.0000	82
	101 Benzaldehyde	77	4.725	4.725	(0.926)	583102	80.0000	66
$	5 Phenol-d5	99	4.772	4.767	(0.936)	1271746	80.0000	80
	6 Phenol	94	4.790	4.778	(0.939)	1307360	80.0000	80
	7 Aniline	66	4.790	4.778	(0.939)	569489	80.0000	70(Q)
	8 bis(2-Chloroethyl)Ether	63	4.872	4.866	(0.955)	706594	80.0000	82(A)
	10 2-Chlorophenol	128	4.919	4.913	(0.964)	1017431	80.0000	81(A)
	11 1,3-Dichlorobenzene	146	5.054	5.049	(0.991)	1139988	80.0000	79
*	12 1,4-Dichlorobenzene-d4	152	5.101	5.096	(1.000)	374349	40.0000	
	13 1,4-Dichlorobenzene	146	5.113	5.113	(1.002)	1144422	80.0000	78
	117 2-Ethyl-1-hexanol	57	5.148	5.143	(1.009)	986525	80.0000	80(A)
	15 Benzyl Alcohol	108	5.219	5.207	(1.023)	714459	80.0000	80(A)
	16 1,2-Dichlorobenzene	146	5.242	5.242	(1.028)	1084065	80.0000	78
	17 2-Methylphenol	108	5.301	5.295	(1.039)	949061	80.0000	80
	18 2,2'-oxybis(1-Chloropropane)	45	5.324	5.325	(1.044)	1164252	80.0000	81(A)
	99 Acetophenone	105	5.442	5.436	(1.067)	1613655	80.0000	79

Data File: \\avogadro\organics\S6.I\140710.B\S6B8392.d
Report Date: 11-Jul-2014 12:49

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
	19 N-Nitroso-di-n-propylamine	70	5.442	5.431	(1.067)	856851	80.0000	80
	20 4-Methylphenol	108	5.436	5.425	(1.066)	991302	80.0000	80
	21 Hexachloroethane	117	5.536	5.530	(1.085)	455317	80.0000	80
$	22 Nitrobenzene-d5	82	5.571	5.566	(0.902)	1156621	80.0000	71
	23 Nitrobenzene	77	5.589	5.583	(0.905)	1207878	80.0000	72
	24 Isophorone	82	5.789	5.783	(0.937)	2042801	80.0000	71
	25 2-Nitrophenol	139	5.853	5.848	(0.948)	582612	80.0000	70
	26 2,4-Dimethylphenol	107	5.883	5.877	(0.952)	1092080	80.0000	77
	27 bis(2-Chloroethoxy)methane	93	5.965	5.959	(0.966)	1228496	80.0000	71
	28 Benzoic Acid	105	5.988	5.953	(0.970)	753345	80.0000	67
	29 2,4-Dichlorophenol	162	6.053	6.047	(0.980)	877647	80.0000	71
	30 1,2,4-Trichlorobenzene	180	6.123	6.124	(0.991)	969908	80.0000	71
*	31 Naphthalene-d8	136	6.176	6.177	(1.000)	1572091	40.0000	
	32 Naphthalene	128	6.194	6.194	(1.003)	2741417	80.0000	69
	115 alpha-Terpineol	59	6.194	6.188	(1.003)	614707	80.0000	72
	33 4-Chloroaniline	127	6.235	6.230	(1.010)	1199747	80.0000	70
	34 Hexachlorobutadiene	225	6.294	6.294	(1.019)	603072	80.0000	71
	102 Caprolactam	113	6.558	6.523	(1.062)	378864	80.0000	70
	35 4-Chloro-3-Methylphenol	107	6.635	6.623	(1.074)	984912	80.0000	70
	36 2-Methylnaphthalene	142	6.770	6.770	(1.096)	1934628	80.0000	70
	114 1-Methylnaphthalene	142	6.852	6.852	(1.109)	1921473	80.0000	70
	38 Hexachlorocyclopentadiene	237	6.899	6.899	(0.903)	650523	80.0000	83(A)
	112 1,2,4,5-Tetrachlorobenzene	216	6.911	6.905	(0.905)	1058557	80.0000	80(A)
	39 2,4,6-Trichlorophenol	196	6.999	6.993	(0.916)	731395	80.0000	80(A)
	40 2,4,5-Trichlorophenol	196	7.034	7.029	(0.921)	746231	80.0000	80
$	41 2-Fluorobiphenyl	172	7.069	7.064	(0.925)	2341173	80.0000	79
	98 1,1'-Biphenyl	154	7.158	7.152	(0.937)	2986343	80.0000	78
	42 2-Chloronaphthalene	162	7.181	7.176	(0.940)	1915843	80.0000	78
	43 2-Nitroaniline	65	7.252	7.246	(0.949)	697352	80.0000	80
	44 Dimethylphthalate	163	7.404	7.399	(0.969)	2322530	80.0000	79
	45 2,6-Dinitrotoluene	165	7.457	7.446	(0.976)	568885	80.0000	79
	46 Acenaphthylene	152	7.522	7.516	(0.985)	3113723	80.0000	78
	47 3-Nitroaniline	138	7.598	7.587	(0.995)	617476	80.0000	80
*	48 Acenaphthene-d10	164	7.639	7.634	(1.000)	843992	40.0000	
	49 Acenaphthene	153	7.669	7.663	(1.004)	2038189	80.0000	79
	50 2,4-Dinitrophenol	184	7.675	7.669	(1.005)	394145	80.0000	84(A)
	51 4-Nitrophenol	109	7.722	7.710	(1.011)	395622	80.0000	77
	53 2,4-Dinitrotoluene	165	7.786	7.781	(1.019)	769422	80.0000	79
	52 Dibenzofuran	168	7.810	7.804	(1.022)	2732154	80.0000	78
	110 2,3,4,6-Tetrachlorophenol	232	7.868	7.863	(1.030)	658123	80.0000	78
	54 Diethylphthalate	149	7.980	7.975	(1.045)	2189069	80.0000	78
	56 4-Chlorophenyl-phenylether	204	8.080	8.080	(1.058)	1226643	80.0000	78
	55 Fluorene	166	8.092	8.086	(1.059)	2368987	80.0000	78
	57 4-Nitroaniline	138	8.109	8.092	(1.062)	633941	80.0000	80(A)
	58 4,6-Dinitro-2-methylphenol	198	8.127	8.116	(0.916)	511496	80.0000	80(A)
	59 N-Nitrosodiphenylamine	169	8.180	8.174	(0.922)	2142773	80.0000	78
	97 Azobenzene	77	8.215	8.210	(0.926)	2563910	80.0000	79
$	60 2,4,6-Tribromophenol	330	8.292	8.286	(0.934)	305785	80.0000	80
	61 4-Bromophenyl-phenylether	248	8.491	8.486	(0.957)	706613	80.0000	79
	62 Hexachlorobenzene	284	8.550	8.545	(0.964)	643054	80.0000	78
	100 Atrazine	200	8.609	8.609	(0.970)	332009	80.0000	54
	63 Pentachlorophenol	266	8.703	8.703	(0.981)	513807	80.0000	80(A)
	111 Pentachloronitrobenzene	237	8.720	8.715	(0.983)	309739	80.0000	77
*	64 Phenanthrene-d10	188	8.873	8.868	(1.000)	1655950	40.0000	

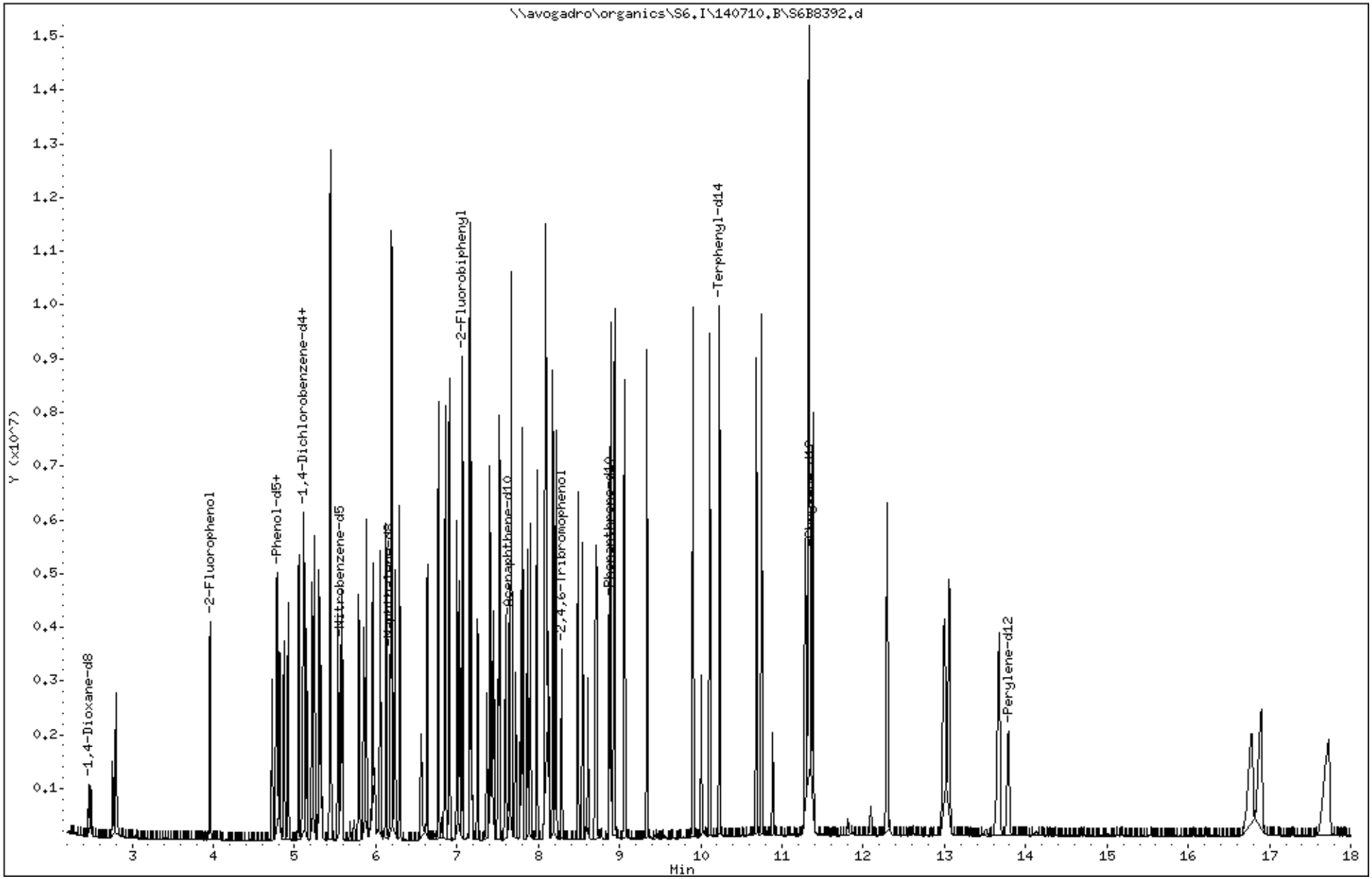
Data File: \\avogadro\organics\S6.I\140710.B\S6B8392.d
Report Date: 11-Jul-2014 12:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
65	Phenanthrene	178	8.891	8.891	(1.002)	3408027	80.0000	76
66	Anthracene	178	8.938	8.932	(1.007)	3501107	80.0000	77
67	Carbazole	167	9.061	9.056	(1.021)	3147615	80.0000	77
68	Di-n-butylphthalate	149	9.337	9.338	(1.052)	3641548	80.0000	77
69	Fluoranthene	202	9.907	9.908	(1.117)	3950644	80.0000	77
70	Benzidine	184	10.007	10.008	(0.882)	1018402	80.0000	70
71	Pyrene	202	10.113	10.107	(0.891)	3971008	80.0000	75
$ 72	Terphenyl-d14	244	10.230	10.231	(0.902)	2593573	80.0000	76
73	Butylbenzylphthalate	149	10.683	10.689	(0.941)	1758920	80.0000	78
74	3,3'-Dichlorobenzidine	252	11.288	11.288	(0.995)	1365284	80.0000	78
78	bis(2-Ethylhexyl)phthalate	149	11.329	11.335	(0.998)	2451856	80.0000	78
75	Benzo(a)anthracene	228	11.329	11.330	(0.998)	3748274	80.0000	77
* 76	Chrysene-d12	240	11.347	11.347	(1.000)	1713457	40.0000	
77	Chrysene	228	11.382	11.382	(1.003)	3436065	80.0000	76
79	Di-n-octylphthalate	149	12.293	12.299	(0.892)	4247109	80.0000	79
80	Benzo(b)fluoranthene	252	12.998	12.992	(0.943)	3539871	80.0000	78
81	Benzo(k)fluoranthene	252	13.057	13.051	(0.947)	3635005	80.0000	79
82	Benzo(a)pyrene	252	13.674	13.662	(0.992)	3424689	80.0000	80
* 83	Perylene-d12	264	13.785	13.791	(1.000)	1534343	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.782	16.753	(1.217)	3010238	80.0000	80(TAQ)
85	Dibenzo(a,h)anthracene	278	16.899	16.864	(1.226)	2964024	80.0000	81(TAQ)
86	Benzo(g,h,i)perylene	276	17.728	17.681	(1.286)	3115758	80.0000	80(TAQ)

QC Flag Legend

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\avogadro\organics\S6.I\140710.B\S6B8392.d
Date : 10-JUL-2014 11:57
Client ID: SSTD0806A
Instrument: S6.i
Sample Info: SSTD0806A,SSTD0806A
Volume Injected (uL): 1.0
Operator: TM SRC: TM
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140710.B\S6B8393.d
Report Date: 11-Jul-2014 12:49

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140710.B\S6B8393.d
Lab Smp Id: SSTD0056A Client Smp ID: SSTD0056A
Inj Date : 10-JUL-2014 12:20
Operator : TM   SRC: TM Inst ID: S6.i
Smp Info : SSTD0056A,SSTD0056A
Misc Info : 1,1
Comment   :
Method   : \\avogadro\organics\S6.I\140710.B\S6_8270C_N.m
Meth Date : 11-Jul-2014 12:48 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 109 1,4-Dioxane-d8	96	2.469	2.487	(0.484)	31659	5.00000	4(a)
108 1,4-Dioxane	58	2.498	2.499	(0.490)	21292	5.00000	4(aQ)
1 N-Nitrosodimethylamine	74	2.769	2.763	(0.543)	47153	5.00000	4(a)
2 Pyridine	79	2.810	2.804	(0.551)	96733	5.00000	4(a)
$ 3 2-Fluorophenol	112	3.955	3.956	(0.775)	102443	5.00000	5(a)
101 Benzaldehyde	77	4.725	4.725	(0.926)	76574	5.00000	5(a)
$ 5 Phenol-d5	99	4.760	4.767	(0.933)	130524	5.00000	5(a)
6 Phenol	94	4.772	4.778	(0.936)	137551	5.00000	5(a)
7 Aniline	66	4.772	4.778	(0.936)	69389	5.00000	5(aQ)
8 bis(2-Chloroethyl)Ether	63	4.860	4.866	(0.953)	70584	5.00000	5(a)
10 2-Chlorophenol	128	4.913	4.913	(0.963)	104614	5.00000	5(a)
11 1,3-Dichlorobenzene	146	5.048	5.049	(0.990)	124305	5.00000	5(a)
* 12 1,4-Dichlorobenzene-d4	152	5.101	5.096	(1.000)	645623	40.0000	
13 1,4-Dichlorobenzene	146	5.113	5.113	(1.002)	127782	5.00000	5(a)
117 2-Ethyl-1-hexanol	57	5.136	5.143	(1.007)	105544	5.00000	5(a)
15 Benzyl Alcohol	108	5.207	5.207	(1.021)	72945	5.00000	5(a)
16 1,2-Dichlorobenzene	146	5.242	5.242	(1.028)	119299	5.00000	5(a)
17 2-Methylphenol	108	5.295	5.295	(1.038)	95691	5.00000	5(a)
18 2,2'-oxybis(1-Chloropropane)	45	5.324	5.325	(1.044)	121271	5.00000	5(aQ)
99 Acetophenone	105	5.430	5.436	(1.064)	172660	5.00000	5(a)

Data File: \\avogadro\organics\S6.I\140710.B\S6B8393.d
Report Date: 11-Jul-2014 12:49

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
	19 N-Nitroso-di-n-propylamine	70	5.430	5.431	(1.064)	89601	5.00000	5(a)
	20 4-Methylphenol	108	5.424	5.425	(1.063)	105327	5.00000	5(a)
	21 Hexachloroethane	117	5.530	5.530	(1.084)	49263	5.00000	5(a)
$	22 Nitrobenzene-d5	82	5.559	5.566	(0.900)	120815	5.00000	5(a)
	23 Nitrobenzene	77	5.577	5.583	(0.903)	126233	5.00000	5(a)
	24 Isophorone	82	5.777	5.783	(0.935)	218888	5.00000	5(a)
	25 2-Nitrophenol	139	5.847	5.848	(0.947)	61737	5.00000	5(a)
	26 2,4-Dimethylphenol	107	5.871	5.877	(0.951)	78615	5.00000	4(a)
	27 bis(2-Chloroethoxy)methane	93	5.953	5.959	(0.964)	130419	5.00000	5(a)
	28 Benzoic Acid	105	5.918	5.953	(0.958)	68845	5.00000	4(aH)
	29 2,4-Dichlorophenol	162	6.047	6.047	(0.979)	90534	5.00000	5(a)
	30 1,2,4-Trichlorobenzene	180	6.124	6.124	(0.991)	101699	5.00000	5(a)
*	31 Naphthalene-d8	136	6.176	6.177	(1.000)	2314259	40.0000	
	32 Naphthalene	128	6.194	6.194	(1.003)	318365	5.00000	5(a)
	115 alpha-Terpineol	59	6.188	6.188	(1.002)	65554	5.00000	5(a)
	33 4-Chloroaniline	127	6.229	6.230	(1.009)	127424	5.00000	5(a)
	34 Hexachlorobutadiene	225	6.294	6.294	(1.019)	63917	5.00000	5(a)
	102 Caprolactam	113	6.505	6.523	(1.053)	39709	5.00000	5(a)
	35 4-Chloro-3-Methylphenol	107	6.617	6.623	(1.071)	104655	5.00000	5(a)
	36 2-Methylnaphthalene	142	6.764	6.770	(1.095)	210262	5.00000	5(a)
	114 1-Methylnaphthalene	142	6.846	6.852	(1.108)	207325	5.00000	5(a)
	38 Hexachlorocyclopentadiene	237	6.893	6.899	(0.903)	65624	5.00000	5(a)
	112 1,2,4,5-Tetrachlorobenzene	216	6.905	6.905	(0.905)	111222	5.00000	5(a)
	39 2,4,6-Trichlorophenol	196	6.993	6.993	(0.916)	77776	5.00000	5(a)
	40 2,4,5-Trichlorophenol	196	7.023	7.029	(0.920)	80200	5.00000	5(a)
$	41 2-Fluorobiphenyl	172	7.064	7.064	(0.925)	255606	5.00000	5(a)
	98 1,1'-Biphenyl	154	7.152	7.152	(0.937)	335927	5.00000	5(a)
	42 2-Chloronaphthalene	162	7.169	7.176	(0.939)	217719	5.00000	5(a)
	43 2-Nitroaniline	65	7.246	7.246	(0.949)	70264	5.00000	4(a)
	44 Dimethylphthalate	163	7.393	7.399	(0.968)	257818	5.00000	5(a)
	45 2,6-Dinitrotoluene	165	7.446	7.446	(0.975)	59221	5.00000	4(a)
	46 Acenaphthylene	152	7.516	7.516	(0.985)	347479	5.00000	5(a)
	47 3-Nitroaniline	138	7.581	7.587	(0.993)	65668	5.00000	5(a)
*	48 Acenaphthene-d10	164	7.634	7.634	(1.000)	1529030	40.0000	
	49 Acenaphthene	153	7.657	7.663	(1.003)	230093	5.00000	5(a)
	50 2,4-Dinitrophenol	184	7.669	7.669	(1.005)	29907	5.00000	4(aQ)
	51 4-Nitrophenol	109	7.704	7.710	(1.009)	41604	5.00000	4(a)
	53 2,4-Dinitrotoluene	165	7.775	7.781	(1.018)	82293	5.00000	5(a)
	52 Dibenzofuran	168	7.804	7.804	(1.022)	304489	5.00000	5(a)
	110 2,3,4,6-Tetrachlorophenol	232	7.863	7.863	(1.030)	68821	5.00000	4(a)
	54 Diethylphthalate	149	7.968	7.975	(1.044)	244779	5.00000	5(a)
	56 4-Chlorophenyl-phenylether	204	8.080	8.080	(1.058)	136693	5.00000	5(a)
	55 Fluorene	166	8.086	8.086	(1.059)	268064	5.00000	5(a)
	57 4-Nitroaniline	138	8.086	8.092	(1.059)	65148	5.00000	4(a)
	58 4,6-Dinitro-2-methylphenol	198	8.109	8.116	(0.915)	45715	5.00000	4(a)
	59 N-Nitrosodiphenylamine	169	8.174	8.174	(0.922)	238287	5.00000	5(a)
	97 Azobenzene	77	8.209	8.210	(0.926)	284684	5.00000	5(a)
$	60 2,4,6-Tribromophenol	330	8.280	8.286	(0.934)	32635	5.00000	5(a)
	61 4-Bromophenyl-phenylether	248	8.486	8.486	(0.957)	73967	5.00000	4(a)
	62 Hexachlorobenzene	284	8.538	8.545	(0.963)	69147	5.00000	5(a)
	100 Atrazine	200	8.603	8.609	(0.970)	71112	5.00000	6(a)
	63 Pentachlorophenol	266	8.697	8.703	(0.981)	48031	5.00000	4(a)
	111 Pentachloronitrobenzene	237	8.709	8.715	(0.982)	33750	5.00000	5(a)
*	64 Phenanthrene-d10	188	8.867	8.868	(1.000)	3005713	40.0000	

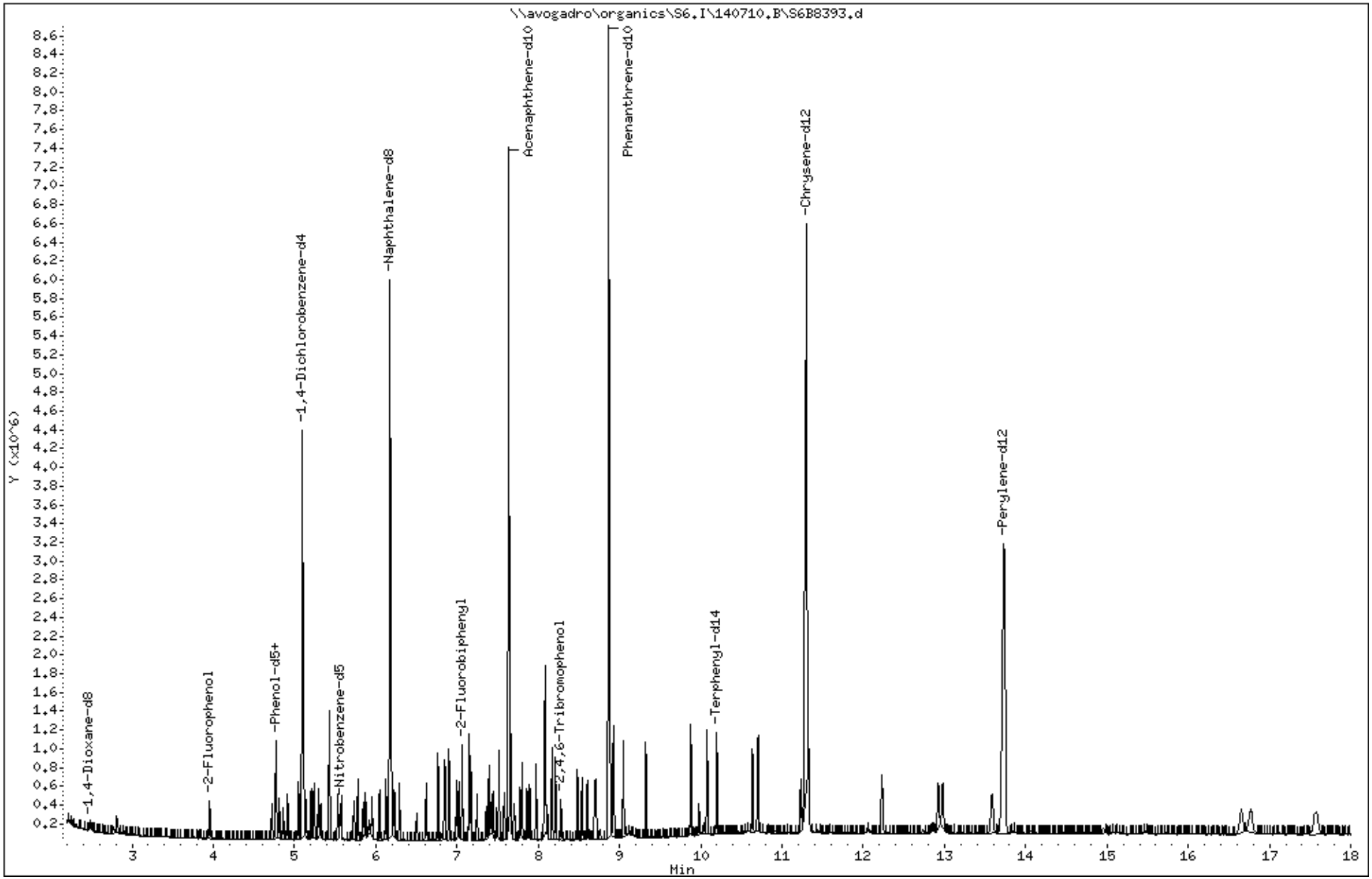
Data File: \\avogadro\organics\S6.I\140710.B\S6B8393.d
Report Date: 11-Jul-2014 12:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
65	Phenanthrene	178	8.885	8.891	(1.002)	397399	5.00000	5(a)
66	Anthracene	178	8.926	8.932	(1.007)	397930	5.00000	5(a)
67	Carbazole	167	9.050	9.056	(1.021)	360644	5.00000	5(a)
68	Di-n-butylphthalate	149	9.320	9.338	(1.051)	420932	5.00000	5(a)
69	Fluoranthene	202	9.878	9.908	(1.114)	440411	5.00000	5(a)
70	Benzidine	184	9.978	10.008	(0.880)	117310	5.00000	5(a)
71	Pyrene	202	10.078	10.107	(0.889)	451155	5.00000	5(a)
$ 72	Terphenyl-d14	244	10.195	10.231	(0.899)	284843	5.00000	5(a)
73	Butylbenzylphthalate	149	10.636	10.689	(0.938)	186088	5.00000	5(aH)
74	3,3'-Dichlorobenzidine	252	11.229	11.288	(0.990)	142462	5.00000	5(a)
78	bis(2-Ethylhexyl)phthalate	149	11.276	11.335	(0.994)	263630	5.00000	5(aH)
75	Benzo(a)anthracene	228	11.282	11.330	(0.995)	420077	5.00000	5(aH)
* 76	Chrysene-d12	240	11.300	11.347	(1.000)	3006756	40.0000	(H)
77	Chrysene	228	11.323	11.382	(0.998)	385451	5.00000	5(a)
79	Di-n-octylphthalate	149	12.228	12.299	(0.890)	446482	5.00000	5(a)
80	Benzo(b)fluoranthene	252	12.922	12.992	(0.941)	370504	5.00000	5(a)
81	Benzo(k)fluoranthene	252	12.980	13.051	(0.945)	367874	5.00000	4(a)
82	Benzo(a)pyrene	252	13.586	13.662	(0.989)	350777	5.00000	4(a)
* 83	Perylene-d12	264	13.732	13.791	(1.000)	2720870	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.653	16.753	(1.213)	316335	5.00000	5(Ta)
85	Dibenzo(a,h)anthracene	278	16.770	16.864	(1.221)	296445	5.00000	4(TaQ)
86	Benzo(g,h,i)perylene	276	17.575	17.681	(1.280)	319069	5.00000	5(TaQ)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140710.B\S6B8393.d
Date : 10-JUL-2014 12:20
Client ID: SSTD0056A
Instrument: S6.i
Sample Info: SSTD0056A,SSTD0056A
Volume Injected (uL): 1.0
Operator: TM SRC: TM
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140710.B\S6B8394.d
Report Date: 11-Jul-2014 12:49

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140710.B\S6B8394.d
Lab Smp Id: SSTD0606A Client Smp ID: SSTD0606A
Inj Date : 10-JUL-2014 12:43
Operator : TM   SRC: TM Inst ID: S6.i
Smp Info : SSTD0606A,SSTD0606A
Misc Info : 1,5
Comment   :
Method   : \\avogadro\organics\S6.I\140710.B\S6_8270C_N.m
Meth Date : 11-Jul-2014 12:48 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	109 1,4-Dioxane-d8	96	2.475	2.487	(0.485)	370340	60.0000	61
	108 1,4-Dioxane	58	2.504	2.499	(0.491)	237648	60.0000	61
	1 N-Nitrosodimethylamine	74	2.774	2.763	(0.544)	645645	60.0000	67
	2 Pyridine	79	2.804	2.804	(0.550)	1095261	60.0000	60
$	3 2-Fluorophenol	112	3.961	3.956	(0.777)	1035462	60.0000	59
	101 Benzaldehyde	77	4.725	4.725	(0.926)	652204	60.0000	53
$	5 Phenol-d5	99	4.778	4.767	(0.937)	1295907	60.0000	58
	6 Phenol	94	4.790	4.778	(0.939)	1338124	60.0000	58
	7 Aniline	66	4.790	4.778	(0.939)	685316	60.0000	60
	8 bis(2-Chloroethyl)Ether	63	4.872	4.866	(0.955)	702558	60.0000	58
	10 2-Chlorophenol	128	4.925	4.913	(0.965)	1046812	60.0000	59
	11 1,3-Dichlorobenzene	146	5.054	5.049	(0.991)	1194472	60.0000	59
*	12 1,4-Dichlorobenzene-d4	152	5.101	5.096	(1.000)	526579	40.0000	
	13 1,4-Dichlorobenzene	146	5.119	5.113	(1.003)	1201282	60.0000	58
	117 2-Ethyl-1-hexanol	57	5.148	5.143	(1.009)	997876	60.0000	58
	15 Benzyl Alcohol	108	5.219	5.207	(1.023)	736053	60.0000	59
	16 1,2-Dichlorobenzene	146	5.248	5.242	(1.029)	1134739	60.0000	58
	17 2-Methylphenol	108	5.301	5.295	(1.039)	969778	60.0000	58
	18 2,2'-oxybis(1-Chloropropane)	45	5.330	5.325	(1.045)	1153075	60.0000	57
	99 Acetophenone	105	5.442	5.436	(1.067)	1637149	60.0000	57

Data File: \\avogadro\organics\S6.I\140710.B\S6B8394.d
Report Date: 11-Jul-2014 12:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19	N-Nitroso-di-n-propylamine	70	5.448	5.431	(1.068)	867319	60.0000	57
20	4-Methylphenol	108	5.436	5.425	(1.066)	999076	60.0000	57
21	Hexachloroethane	117	5.536	5.530	(1.085)	475681	60.0000	59
$ 22	Nitrobenzene-d5	82	5.571	5.566	(0.902)	1194180	60.0000	56
23	Nitrobenzene	77	5.589	5.583	(0.905)	1223076	60.0000	55
24	Isophorone	82	5.794	5.783	(0.938)	2059379	60.0000	54
25	2-Nitrophenol	139	5.853	5.848	(0.948)	608484	60.0000	56
26	2,4-Dimethylphenol	107	5.883	5.877	(0.952)	1100211	60.0000	59
27	bis(2-Chloroethoxy)methane	93	5.965	5.959	(0.966)	1246245	60.0000	55
28	Benzoic Acid	105	5.994	5.953	(0.971)	815869	60.0000	55
29	2,4-Dichlorophenol	162	6.053	6.047	(0.980)	900797	60.0000	55
30	1,2,4-Trichlorobenzene	180	6.129	6.124	(0.992)	1007671	60.0000	56
* 31	Naphthalene-d8	136	6.176	6.177	(1.000)	2072846	40.0000	
32	Naphthalene	128	6.200	6.194	(1.004)	2778335	60.0000	53
115	alpha-Terpineol	59	6.200	6.188	(1.004)	619918	60.0000	55
33	4-Chloroaniline	127	6.235	6.230	(1.010)	1202657	60.0000	53
34	Hexachlorobutadiene	225	6.294	6.294	(1.019)	641320	60.0000	58
102	Caprolactam	113	6.564	6.523	(1.063)	374072	60.0000	53
35	4-Chloro-3-Methylphenol	107	6.635	6.623	(1.074)	998388	60.0000	54
36	2-Methylnaphthalene	142	6.770	6.770	(1.096)	1966916	60.0000	54
114	1-Methylnaphthalene	142	6.852	6.852	(1.109)	1974754	60.0000	55
38	Hexachlorocyclopentadiene	237	6.899	6.899	(0.903)	654374	60.0000	60
112	1,2,4,5-Tetrachlorobenzene	216	6.911	6.905	(0.905)	1089389	60.0000	60
39	2,4,6-Trichlorophenol	196	6.999	6.993	(0.916)	731453	60.0000	58
40	2,4,5-Trichlorophenol	196	7.034	7.029	(0.921)	761871	60.0000	59
$ 41	2-Fluorobiphenyl	172	7.069	7.064	(0.925)	2386048	60.0000	58
98	1,1'-Biphenyl	154	7.158	7.152	(0.937)	3020505	60.0000	57
42	2-Chloronaphthalene	162	7.175	7.176	(0.939)	1953070	60.0000	58
43	2-Nitroaniline	65	7.252	7.246	(0.949)	701423	60.0000	58
44	Dimethylphthalate	163	7.404	7.399	(0.969)	2345609	60.0000	57
45	2,6-Dinitrotoluene	165	7.457	7.446	(0.976)	573366	60.0000	58
46	Acenaphthylene	152	7.522	7.516	(0.985)	3151652	60.0000	57
47	3-Nitroaniline	138	7.598	7.587	(0.995)	613791	60.0000	57
* 48	Acenaphthene-d10	164	7.639	7.634	(1.000)	1167963	40.0000	
49	Acenaphthene	153	7.669	7.663	(1.004)	2040992	60.0000	57
50	2,4-Dinitrophenol	184	7.680	7.669	(1.005)	388400	60.0000	60
51	4-Nitrophenol	109	7.722	7.710	(1.011)	410253	60.0000	58
53	2,4-Dinitrotoluene	165	7.786	7.781	(1.019)	770943	60.0000	58
52	Dibenzofuran	168	7.810	7.804	(1.022)	2797654	60.0000	58
110	2,3,4,6-Tetrachlorophenol	232	7.869	7.863	(1.030)	680290	60.0000	58
54	Diethylphthalate	149	7.980	7.975	(1.045)	2227686	60.0000	57
56	4-Chlorophenyl-phenylether	204	8.080	8.080	(1.058)	1243354	60.0000	57
55	Fluorene	166	8.092	8.086	(1.059)	2394044	60.0000	57
57	4-Nitroaniline	138	8.109	8.092	(1.062)	617660	60.0000	56
58	4,6-Dinitro-2-methylphenol	198	8.127	8.116	(0.917)	519167	60.0000	60
59	N-Nitrosodiphenylamine	169	8.180	8.174	(0.922)	2152405	60.0000	58
97	Azobenzene	77	8.215	8.210	(0.926)	2555843	60.0000	58
$ 60	2,4,6-Tribromophenol	330	8.292	8.286	(0.935)	313140	60.0000	60
61	4-Bromophenyl-phenylether	248	8.485	8.486	(0.957)	728521	60.0000	60
62	Hexachlorobenzene	284	8.544	8.545	(0.964)	671162	60.0000	60
100	Atrazine	200	8.609	8.609	(0.971)	299911	60.0000	36
63	Pentachlorophenol	266	8.703	8.703	(0.981)	505388	60.0000	58
111	Pentachloronitrobenzene	237	8.715	8.715	(0.983)	333151	60.0000	61
* 64	Phenanthrene-d10	188	8.867	8.868	(1.000)	2244729	40.0000	

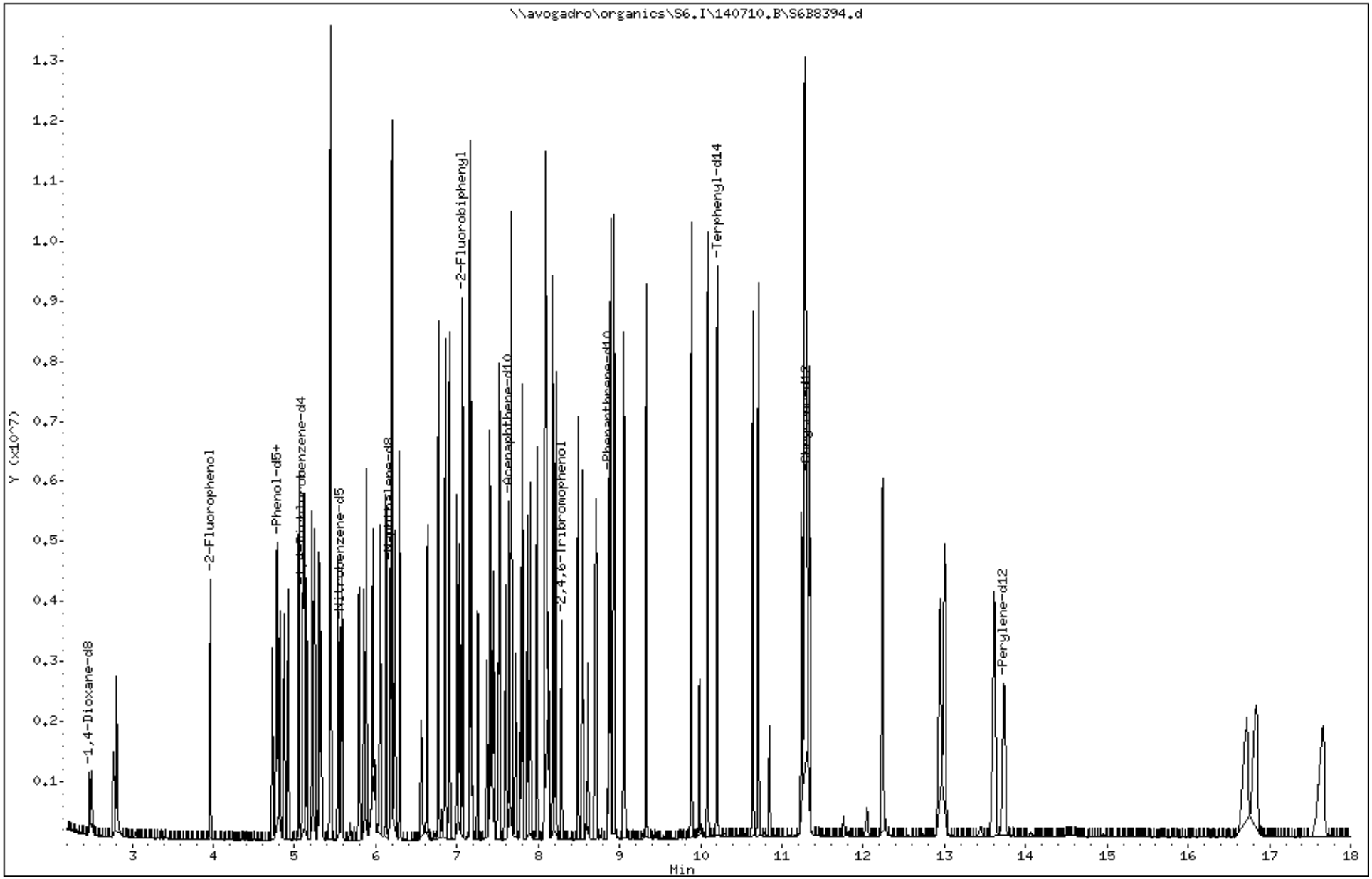
Data File: \\avogadro\organics\S6.I\140710.B\S6B8394.d
Report Date: 11-Jul-2014 12:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
65	Phenanthrene	178	8.891	8.891	(1.003)	3455328	60.0000	57
66	Anthracene	178	8.932	8.932	(1.007)	3546148	60.0000	57
67	Carbazole	167	9.055	9.056	(1.021)	3135620	60.0000	56
68	Di-n-butylphthalate	149	9.326	9.338	(1.052)	3586673	60.0000	56
69	Fluoranthene	202	9.884	9.908	(1.115)	3937556	60.0000	57
70	Benzidine	184	9.984	10.008	(0.883)	977764	60.0000	50
71	Pyrene	202	10.084	10.107	(0.892)	3949353	60.0000	56
$ 72	Terphenyl-d14	244	10.201	10.231	(0.902)	2611704	60.0000	57
73	Butylbenzylphthalate	149	10.642	10.689	(0.941)	1703534	60.0000	56
74	3,3'-Dichlorobenzidine	252	11.241	11.288	(0.994)	1349288	60.0000	58
78	bis(2-Ethylhexyl)phthalate	149	11.276	11.335	(0.997)	2370488	60.0000	56
75	Benzo(a)anthracene	228	11.288	11.330	(0.998)	3721967	60.0000	56
* 76	Chrysene-d12	240	11.306	11.347	(1.000)	2306042	40.0000	
77	Chrysene	228	11.335	11.382	(1.003)	3389168	60.0000	56
79	Di-n-octylphthalate	149	12.240	12.299	(0.891)	4088326	60.0000	55
80	Benzo(b)fluoranthene	252	12.945	12.992	(0.942)	3526377	60.0000	57
81	Benzo(k)fluoranthene	252	13.004	13.051	(0.947)	3633079	60.0000	58
82	Benzo(a)pyrene	252	13.615	13.662	(0.991)	3421038	60.0000	58
* 83	Perylene-d12	264	13.738	13.791	(1.000)	2099586	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.717	16.753	(1.217)	3051164	60.0000	59(TQ)
85	Dibenzo(a,h)anthracene	278	16.841	16.864	(1.226)	2996179	60.0000	60(TQ)
86	Benzo(g,h,i)perylene	276	17.657	17.681	(1.285)	3171186	60.0000	60(TQ)

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.

Data File: \\avogadro\organics\S6.I\140710.B\S6B8394.d
Date : 10-JUL-2014 12:43
Client ID: SSTD0606A
Instrument: S6.i
Sample Info: SSTD0606A,SSTD0606A
Volume Injected (uL): 1.0
Operator: TM SRC: TM
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140710.B\S6B8395.d
Report Date: 11-Jul-2014 12:49

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140710.B\S6B8395.d
Lab Smp Id: SSTD0106A Client Smp ID: SSTD0106A
Inj Date : 10-JUL-2014 13:06
Operator : TM   SRC: TM Inst ID: S6.i
Smp Info : SSTD0106A,SSTD0106A
Misc Info : 1,2
Comment   :
Method   : \\avogadro\organics\S6.I\140710.B\S6_8270C_N.m
Meth Date : 11-Jul-2014 12:48 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
$	109 1,4-Dioxane-d8	96	2.475	2.487	(0.485)	76940	10.0000	11
	108 1,4-Dioxane	58	2.498	2.499	(0.490)	46322	10.0000	10(Q)
	1 N-Nitrosodimethylamine	74	2.768	2.763	(0.543)	106006	10.0000	9(a)
	2 Pyridine	79	2.809	2.804	(0.551)	211161	10.0000	10
$	3 2-Fluorophenol	112	3.955	3.956	(0.775)	211228	10.0000	10
	101 Benzaldehyde	77	4.725	4.725	(0.926)	158786	10.0000	11
$	5 Phenol-d5	99	4.766	4.767	(0.934)	273395	10.0000	10
	6 Phenol	94	4.778	4.778	(0.937)	279511	10.0000	10
	7 Aniline	66	4.778	4.778	(0.937)	141282	10.0000	10
	8 bis(2-Chloroethyl)Ether	63	4.866	4.866	(0.954)	145713	10.0000	10
	10 2-Chlorophenol	128	4.913	4.913	(0.963)	217959	10.0000	10
	11 1,3-Dichlorobenzene	146	5.048	5.049	(0.990)	254752	10.0000	11
*	12 1,4-Dichlorobenzene-d4	152	5.101	5.096	(1.000)	615284	40.0000	
	13 1,4-Dichlorobenzene	146	5.113	5.113	(1.002)	257804	10.0000	11
	117 2-Ethyl-1-hexanol	57	5.142	5.143	(1.008)	207865	10.0000	10
	15 Benzyl Alcohol	108	5.207	5.207	(1.021)	154032	10.0000	10
	16 1,2-Dichlorobenzene	146	5.242	5.242	(1.028)	243822	10.0000	11
	17 2-Methylphenol	108	5.295	5.295	(1.038)	206734	10.0000	10
	18 2,2'-oxybis(1-Chloropropane)	45	5.324	5.325	(1.044)	245759	10.0000	10(Q)
	99 Acetophenone	105	5.436	5.436	(1.066)	355966	10.0000	11

Data File: \\avogadro\organics\S6.I\140710.B\S6B8395.d
Report Date: 11-Jul-2014 12:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19	N-Nitroso-di-n-propylamine	70	5.430	5.431	(1.064)	187597	10.0000	11
20	4-Methylphenol	108	5.424	5.425	(1.063)	214289	10.0000	10
21	Hexachloroethane	117	5.530	5.530	(1.084)	94694	10.0000	10
$ 22	Nitrobenzene-d5	82	5.565	5.566	(0.901)	260182	10.0000	11
23	Nitrobenzene	77	5.583	5.583	(0.904)	265778	10.0000	11
24	Isophorone	82	5.777	5.783	(0.935)	462013	10.0000	11
25	2-Nitrophenol	139	5.847	5.848	(0.947)	131072	10.0000	11
26	2,4-Dimethylphenol	107	5.871	5.877	(0.951)	219259	10.0000	11
27	bis(2-Chloroethoxy)methane	93	5.959	5.959	(0.965)	276548	10.0000	11
28	Benzoic Acid	105	5.935	5.953	(0.961)	165749	10.0000	10(a)
29	2,4-Dichlorophenol	162	6.047	6.047	(0.979)	198490	10.0000	11
30	1,2,4-Trichlorobenzene	180	6.123	6.124	(0.991)	219002	10.0000	11
* 31	Naphthalene-d8	136	6.176	6.177	(1.000)	2209733	40.0000	
32	Naphthalene	128	6.194	6.194	(1.003)	642057	10.0000	12
115	alpha-Terpineol	59	6.188	6.188	(1.002)	131032	10.0000	11
33	4-Chloroaniline	127	6.229	6.230	(1.009)	276993	10.0000	12
34	Hexachlorobutadiene	225	6.294	6.294	(1.019)	133296	10.0000	11
102	Caprolactam	113	6.517	6.523	(1.055)	88598	10.0000	12
35	4-Chloro-3-Methylphenol	107	6.623	6.623	(1.072)	223823	10.0000	11
36	2-Methylnaphthalene	142	6.764	6.770	(1.095)	435638	10.0000	11
114	1-Methylnaphthalene	142	6.852	6.852	(1.109)	435526	10.0000	11
38	Hexachlorocyclopentadiene	237	6.893	6.899	(0.903)	135464	10.0000	10
112	1,2,4,5-Tetrachlorobenzene	216	6.905	6.905	(0.905)	238684	10.0000	10
39	2,4,6-Trichlorophenol	196	6.993	6.993	(0.916)	169653	10.0000	11
40	2,4,5-Trichlorophenol	196	7.022	7.029	(0.920)	169898	10.0000	10(a)
$ 41	2-Fluorobiphenyl	172	7.063	7.064	(0.925)	542889	10.0000	11
98	1,1'-Biphenyl	154	7.152	7.152	(0.937)	703556	10.0000	11
42	2-Chloronaphthalene	162	7.169	7.176	(0.939)	443720	10.0000	10
43	2-Nitroaniline	65	7.246	7.246	(0.949)	159465	10.0000	11(a)
44	Dimethylphthalate	163	7.392	7.399	(0.968)	550634	10.0000	11
45	2,6-Dinitrotoluene	165	7.445	7.446	(0.975)	135516	10.0000	11
46	Acenaphthylene	152	7.516	7.516	(0.985)	739921	10.0000	11
47	3-Nitroaniline	138	7.586	7.587	(0.994)	141897	10.0000	11(a)
* 48	Acenaphthene-d10	164	7.633	7.634	(1.000)	1449016	40.0000	
49	Acenaphthene	153	7.663	7.663	(1.004)	472568	10.0000	11
50	2,4-Dinitrophenol	184	7.669	7.669	(1.005)	77248	10.0000	10(aQ)
51	4-Nitrophenol	109	7.704	7.710	(1.009)	93682	10.0000	11(a)
53	2,4-Dinitrotoluene	165	7.774	7.781	(1.018)	178279	10.0000	11
52	Dibenzofuran	168	7.804	7.804	(1.022)	652217	10.0000	11
110	2,3,4,6-Tetrachlorophenol	232	7.862	7.863	(1.030)	156504	10.0000	11
54	Diethylphthalate	149	7.974	7.975	(1.045)	527317	10.0000	11
56	4-Chlorophenyl-phenylether	204	8.080	8.080	(1.058)	292858	10.0000	11
55	Fluorene	166	8.086	8.086	(1.059)	556409	10.0000	11
57	4-Nitroaniline	138	8.086	8.092	(1.059)	152589	10.0000	11(a)
58	4,6-Dinitro-2-methylphenol	198	8.109	8.116	(0.915)	110893	10.0000	10(a)
59	N-Nitrosodiphenylamine	169	8.174	8.174	(0.922)	510774	10.0000	11
97	Azobenzene	77	8.209	8.210	(0.926)	599403	10.0000	10
$ 60	2,4,6-Tribromophenol	330	8.280	8.286	(0.934)	69047	10.0000	10
61	4-Bromophenyl-phenylether	248	8.485	8.486	(0.957)	164643	10.0000	10
62	Hexachlorobenzene	284	8.538	8.545	(0.963)	152343	10.0000	10
100	Atrazine	200	8.603	8.609	(0.970)	154146	10.0000	14
63	Pentachlorophenol	266	8.697	8.703	(0.981)	115636	10.0000	10(a)
111	Pentachloronitrobenzene	237	8.709	8.715	(0.982)	76704	10.0000	11
* 64	Phenanthrene-d10	188	8.867	8.868	(1.000)	2907774	40.0000	

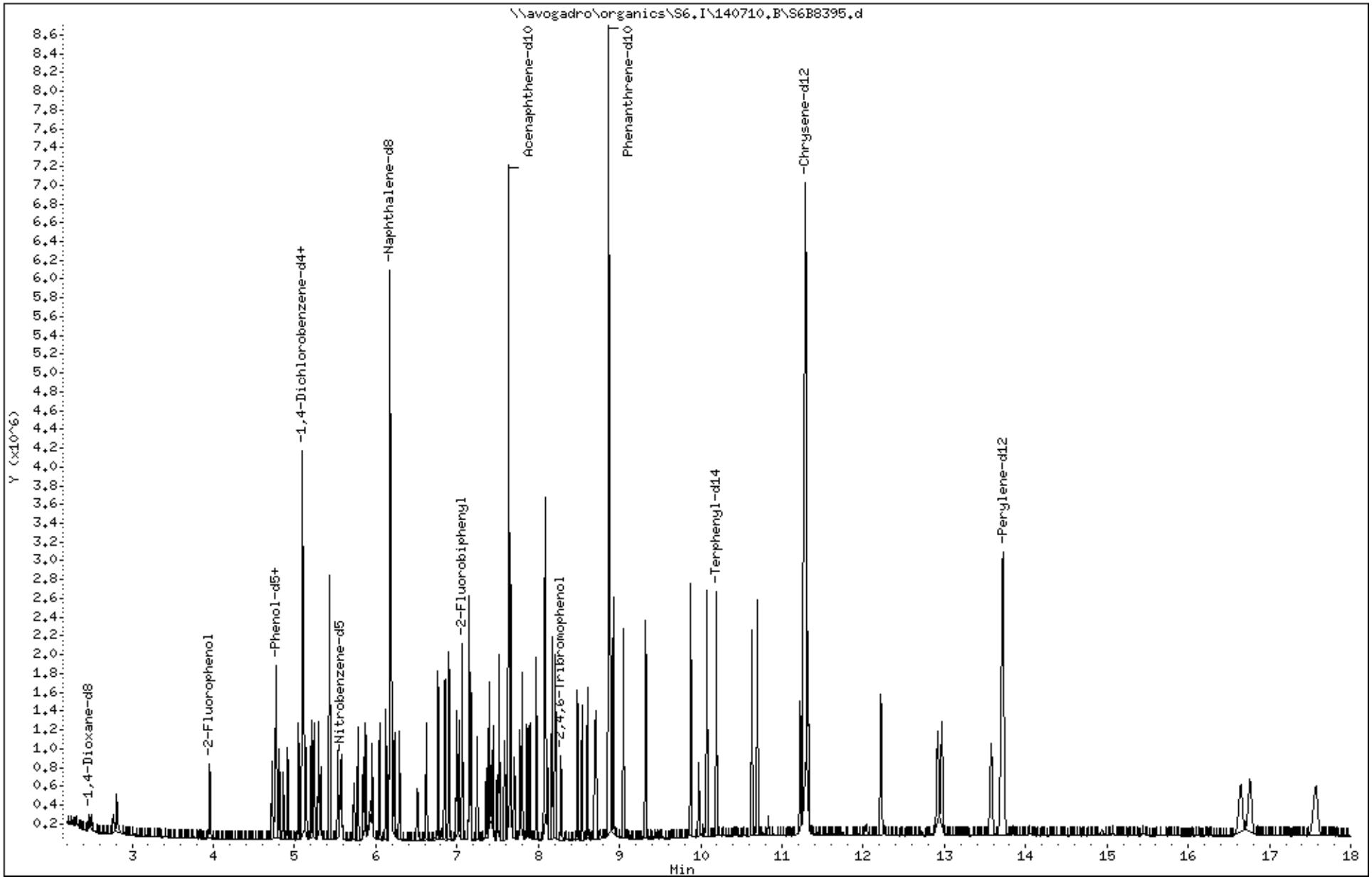
Data File: \\avogadro\organics\S6.I\140710.B\S6B8395.d
Report Date: 11-Jul-2014 12:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
65	Phenanthrene	178	8.885	8.891	(1.002)	861750	10.0000	11
66	Anthracene	178	8.926	8.932	(1.007)	874847	10.0000	11
67	Carbazole	167	9.049	9.056	(1.021)	802107	10.0000	11
68	Di-n-butylphthalate	149	9.320	9.338	(1.051)	915242	10.0000	11
69	Fluoranthene	202	9.878	9.908	(1.114)	1002729	10.0000	11
70	Benzidine	184	9.978	10.008	(0.879)	299434	10.0000	12(aH)
71	Pyrene	202	10.072	10.107	(0.888)	1008206	10.0000	11
$ 72	Terphenyl-d14	244	10.189	10.231	(0.898)	655231	10.0000	11
73	Butylbenzylphthalate	149	10.630	10.689	(0.937)	417324	10.0000	10(H)
74	3,3'-Dichlorobenzidine	252	11.223	11.288	(0.989)	322807	10.0000	10(H)
78	bis(2-Ethylhexyl)phthalate	149	11.264	11.335	(0.993)	596236	10.0000	11(H)
75	Benzo(a)anthracene	228	11.270	11.330	(0.993)	927749	10.0000	11(H)
* 76	Chrysene-d12	240	11.288	11.347	(1.000)	3028240	40.0000	(H)
77	Chrysene	228	11.317	11.382	(0.997)	854046	10.0000	11
79	Di-n-octylphthalate	149	12.216	12.299	(0.890)	998873	10.0000	11
80	Benzo(b)fluoranthene	252	12.915	12.992	(0.941)	831680	10.0000	11
81	Benzo(k)fluoranthene	252	12.968	13.051	(0.945)	858395	10.0000	11
82	Benzo(a)pyrene	252	13.579	13.662	(0.990)	779654	10.0000	10
* 83	Perylene-d12	264	13.720	13.791	(1.000)	2650820	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.646	16.753	(1.213)	664124	10.0000	10(TQ)
85	Dibenzo(a,h)anthracene	278	16.764	16.864	(1.222)	657120	10.0000	10(TQ)
86	Benzo(g,h,i)perylene	276	17.563	17.681	(1.280)	695074	10.0000	10(TQ)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140710.B\S6B8395.d
Date : 10-JUL-2014 13:06
Client ID: SSTD0106A
Instrument: S6.i
Sample Info: SSTD0106A,SSTD0106A
Volume Injected (uL): 1.0
Operator: TM SRC: TM
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140710.B\S6B8396.d
Report Date: 11-Jul-2014 12:49

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140710.B\S6B8396.d
Lab Smp Id: SSTD0406A Client Smp ID: SSTD0406A
Inj Date : 10-JUL-2014 13:29
Operator : TM   SRC: TM Inst ID: S6.i
Smp Info : SSTD0406A,SSTD0406A
Misc Info : 1,4
Comment   :
Method   : \\avogadro\organics\S6.I\140710.B\S6_8270C_N.m
Meth Date : 11-Jul-2014 12:48 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

			QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
$	109	1,4-Dioxane-d8	96	2.475	2.487	(0.485)	305936	40.0000	41
	108	1,4-Dioxane	58	2.504	2.499	(0.491)	191717	40.0000	40
	1	N-Nitrosodimethylamine	74	2.769	2.763	(0.543)	494036	40.0000	42
	2	Pyridine	79	2.804	2.804	(0.550)	892094	40.0000	40
$	3	2-Fluorophenol	112	3.961	3.956	(0.777)	857028	40.0000	40
	101	Benzaldehyde	77	4.725	4.725	(0.926)	527532	40.0000	35
$	5	Phenol-d5	99	4.772	4.767	(0.936)	1105356	40.0000	41
	6	Phenol	94	4.790	4.778	(0.939)	1135595	40.0000	40
	7	Aniline	66	4.784	4.778	(0.938)	592037	40.0000	42
	8	bis(2-Chloroethyl)Ether	63	4.872	4.866	(0.955)	590780	40.0000	40
	10	2-Chlorophenol	128	4.919	4.913	(0.964)	881775	40.0000	41
	11	1,3-Dichlorobenzene	146	5.054	5.049	(0.991)	995162	40.0000	40
*	12	1,4-Dichlorobenzene-d4	152	5.101	5.096	(1.000)	641986	40.0000	
	13	1,4-Dichlorobenzene	146	5.119	5.113	(1.003)	1031780	40.0000	41
	117	2-Ethyl-1-hexanol	57	5.148	5.143	(1.009)	840672	40.0000	40
	15	Benzyl Alcohol	108	5.219	5.207	(1.023)	601382	40.0000	40
	16	1,2-Dichlorobenzene	146	5.242	5.242	(1.028)	964611	40.0000	41
	17	2-Methylphenol	108	5.301	5.295	(1.039)	823908	40.0000	40
	18	2,2'-oxybis(1-Chloropropane)	45	5.330	5.325	(1.045)	967220	40.0000	39
	99	Acetophenone	105	5.442	5.436	(1.067)	1421103	40.0000	40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19	N-Nitroso-di-n-propylamine	70	5.442	5.431	(1.067)	751606	40.0000	41
20	4-Methylphenol	108	5.436	5.425	(1.066)	865089	40.0000	40
21	Hexachloroethane	117	5.536	5.530	(1.085)	391553	40.0000	40
$ 22	Nitrobenzene-d5	82	5.571	5.566	(0.902)	1004441	40.0000	40
23	Nitrobenzene	77	5.589	5.583	(0.905)	1043810	40.0000	40
24	Isophorone	82	5.789	5.783	(0.937)	1764486	40.0000	40
25	2-Nitrophenol	139	5.853	5.848	(0.948)	518307	40.0000	41
26	2,4-Dimethylphenol	107	5.883	5.877	(0.952)	935974	40.0000	43
27	bis(2-Chloroethoxy)methane	93	5.965	5.959	(0.966)	1061175	40.0000	40
28	Benzoic Acid	105	5.988	5.953	(0.970)	692840	40.0000	40
29	2,4-Dichlorophenol	162	6.053	6.047	(0.980)	782494	40.0000	41
30	1,2,4-Trichlorobenzene	180	6.129	6.124	(0.992)	861395	40.0000	41
* 31	Naphthalene-d8	136	6.176	6.177	(1.000)	2424428	40.0000	
32	Naphthalene	128	6.200	6.194	(1.004)	2417362	40.0000	40
115	alpha-Terpineol	59	6.200	6.188	(1.004)	522490	40.0000	40
33	4-Chloroaniline	127	6.235	6.230	(1.010)	1061626	40.0000	40
34	Hexachlorobutadiene	225	6.294	6.294	(1.019)	529860	40.0000	41
102	Caprolactam	113	6.558	6.523	(1.062)	336102	40.0000	40
35	4-Chloro-3-Methylphenol	107	6.635	6.623	(1.074)	875533	40.0000	40
36	2-Methylnaphthalene	142	6.770	6.770	(1.096)	1714784	40.0000	40
114	1-Methylnaphthalene	142	6.852	6.852	(1.109)	1717469	40.0000	41
38	Hexachlorocyclopentadiene	237	6.899	6.899	(0.903)	564917	40.0000	41
112	1,2,4,5-Tetrachlorobenzene	216	6.911	6.905	(0.905)	948881	40.0000	41
39	2,4,6-Trichlorophenol	196	6.999	6.993	(0.916)	643469	40.0000	40
40	2,4,5-Trichlorophenol	196	7.034	7.029	(0.921)	665261	40.0000	40
$ 41	2-Fluorobiphenyl	172	7.069	7.064	(0.925)	2079352	40.0000	40
98	1,1'-Biphenyl	154	7.158	7.152	(0.937)	2654184	40.0000	40
42	2-Chloronaphthalene	162	7.175	7.176	(0.939)	1724218	40.0000	40
43	2-Nitroaniline	65	7.252	7.246	(0.949)	598051	40.0000	39
44	Dimethylphthalate	163	7.404	7.399	(0.969)	2065718	40.0000	40
45	2,6-Dinitrotoluene	165	7.457	7.446	(0.976)	507392	40.0000	40
46	Acenaphthylene	152	7.522	7.516	(0.985)	2789643	40.0000	40
47	3-Nitroaniline	138	7.598	7.587	(0.995)	529847	40.0000	39
* 48	Acenaphthene-d10	164	7.639	7.634	(1.000)	1482421	40.0000	
49	Acenaphthene	153	7.669	7.663	(1.004)	1806131	40.0000	40
50	2,4-Dinitrophenol	184	7.675	7.669	(1.005)	346736	40.0000	42
51	4-Nitrophenol	109	7.716	7.710	(1.010)	355764	40.0000	40
53	2,4-Dinitrotoluene	165	7.786	7.781	(1.019)	689500	40.0000	40
52	Dibenzofuran	168	7.810	7.804	(1.022)	2478004	40.0000	40
110	2,3,4,6-Tetrachlorophenol	232	7.869	7.863	(1.030)	605012	40.0000	41
54	Diethylphthalate	149	7.980	7.975	(1.045)	1958784	40.0000	40
56	4-Chlorophenyl-phenylether	204	8.080	8.080	(1.058)	1116024	40.0000	40
55	Fluorene	166	8.092	8.086	(1.059)	2119144	40.0000	40
57	4-Nitroaniline	138	8.104	8.092	(1.061)	547988	40.0000	39
58	4,6-Dinitro-2-methylphenol	198	8.121	8.116	(0.916)	451592	40.0000	41
59	N-Nitrosodiphenylamine	169	8.180	8.174	(0.922)	1918690	40.0000	40
97	Azobenzene	77	8.215	8.210	(0.926)	2256798	40.0000	40
$ 60	2,4,6-Tribromophenol	330	8.286	8.286	(0.934)	270434	40.0000	41
61	4-Bromophenyl-phenylether	248	8.485	8.486	(0.957)	630368	40.0000	41
62	Hexachlorobenzene	284	8.544	8.545	(0.964)	595809	40.0000	42
100	Atrazine	200	8.609	8.609	(0.971)	348958	40.0000	33
63	Pentachlorophenol	266	8.703	8.703	(0.981)	446585	40.0000	40
111	Pentachloronitrobenzene	237	8.715	8.715	(0.983)	283733	40.0000	41
* 64	Phenanthrene-d10	188	8.867	8.868	(1.000)	2859377	40.0000	

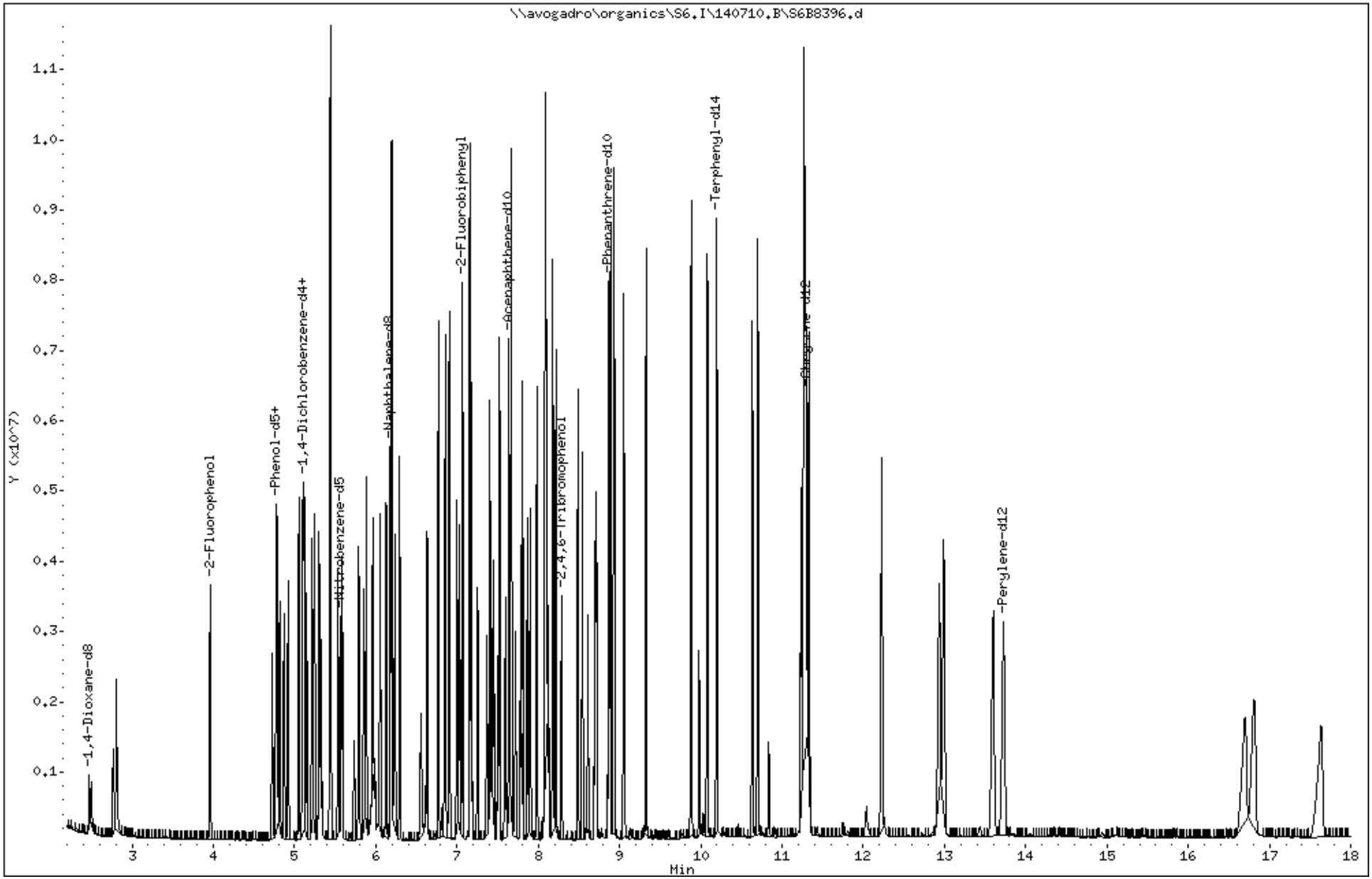
Data File: \\avogadro\organics\S6.I\140710.B\S6B8396.d
Report Date: 11-Jul-2014 12:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	65 Phenanthrene	178	8.891	8.891	(1.003)	3078702	40.0000	40
	66 Anthracene	178	8.932	8.932	(1.007)	3105832	40.0000	39
	67 Carbazole	167	9.055	9.056	(1.021)	2740101	40.0000	39
	68 Di-n-butylphthalate	149	9.326	9.338	(1.052)	3191764	40.0000	39
	69 Fluoranthene	202	9.884	9.908	(1.115)	3469183	40.0000	39
	70 Benzidine	184	9.978	10.008	(0.883)	878177	40.0000	37
	71 Pyrene	202	10.078	10.107	(0.892)	3486659	40.0000	40
$	72 Terphenyl-d14	244	10.195	10.231	(0.902)	2299591	40.0000	41
	73 Butylbenzylphthalate	149	10.636	10.689	(0.941)	1475304	40.0000	40
	74 3,3'-Dichlorobenzidine	252	11.235	11.288	(0.994)	1154115	40.0000	40
	78 bis(2-Ethylhexyl)phthalate	149	11.271	11.335	(0.997)	2053356	40.0000	40
	75 Benzo(a)anthracene	228	11.282	11.330	(0.998)	3252555	40.0000	40
*	76 Chrysene-d12	240	11.300	11.347	(1.000)	2823701	40.0000	
	77 Chrysene	228	11.329	11.382	(1.003)	2968275	40.0000	40
	79 Di-n-octylphthalate	149	12.228	12.299	(0.885)	3518237	40.0000	39
	80 Benzo(b)fluoranthene	252	12.933	12.992	(0.936)	3093040	40.0000	41(H)
	81 Benzo(k)fluoranthene	252	12.992	13.051	(0.940)	2988543	40.0000	39(H)
	82 Benzo(a)pyrene	252	13.603	13.662	(0.985)	2877826	40.0000	40(H)
*	83 Perylene-d12	264	13.726	13.791	(1.000)	2569081	40.0000	(H)
	84 Indeno(1,2,3-cd)pyrene	276	16.700	16.753	(1.209)	2520482	40.0000	40(TQH)
	85 Dibenzo(a,h)anthracene	278	16.811	16.864	(1.217)	2474481	40.0000	40(TQH)
	86 Benzo(g,h,i)perylene	276	17.634	17.681	(1.276)	2606117	40.0000	40(TQH)

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140710.B\S6B8396.d
Date : 10-JUL-2014 13:29
Client ID: SSTD0406A
Instrument: S6.i
Sample Info: SSTD0406A,SSTD0406A
Volume Injected (uL): 1.0
Operator: TM SRC: TM
Column phase: Rxi-5Sil MS
Column diameter: 0.25



7E - FORM VII SV-1

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Instrument ID: S6 Calibration Date: 07/15/2014 Time: 15:33

Lab File ID: S6B8520.D Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256G Init. Calib. Time(s): 11:14 13:29

GC Column: Rxi-5sil MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF025	MIN RRF	%D	MAX %D
Phenol	1.750	1.843	0.800	5.3	20.0
2-Methylphenol	1.269	1.336	0.700	5.3	20.0
4-Methylphenol	1.331	1.391	0.600	4.5	20.0
Naphthalene	1.008	1.007	0.700	-0.1	20.0
Acenaphthylene	1.887	1.937	0.900	2.7	20.0
Acenaphthene	1.216	1.238	0.900	1.8	20.0
Fluorene	1.434	1.497	0.900	4.4	20.0
Pentachlorophenol	0.155	0.153	0.050	-1.1	20.0
Phenanthrene	1.080	1.071	0.700	-0.9	20.0
Anthracene	1.101	1.107	0.700	0.6	20.0
Fluoranthene	1.236	1.324	0.600	7.1	20.0
Pyrene	1.232	1.307	0.600	6.1	20.0
Benzo(a)anthracene	1.142	1.202	0.800	5.2	20.0
Chrysene	1.048	1.086	0.700	3.7	20.0
Benzo(b)fluoranthene	1.176	1.303	0.700	10.8	20.0
Benzo(k)fluoranthene	1.194	1.333	0.700	11.7	20.0
Benzo(a)pyrene	1.122	1.200	0.700	6.9	20.0
Indeno(1,2,3-cd)pyrene	0.979	0.945	0.500	-3.4	20.0
Dibenzo(a,h)anthracene	0.952	0.949	0.400	-0.4	20.0
Benzo(g,h,i)perylene	1.011	0.963	0.500	-4.7	20.0

7F - FORM VII SV-2

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Instrument ID: S6 Calibration Date: 07/15/2014 Time: 15:33

Lab File ID: S6B8520.D Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256G Init. Calib. Time(s): 11:14 13:29

GC Column: Rxi-5sil MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF025	MIN RRF	%D	MAX %D
Nitrobenzene-d5	0.412	0.423	0.010	2.6	20.0
2-Fluorobiphenyl	1.400	1.422	0.010	1.6	20.0
Terphenyl-d14	0.800	0.872	0.010	9.0	20.0
Phenol-d5	1.691	1.706	0.010	0.9	20.0
2-Fluorophenol	1.325	1.313	0.010	-0.9	20.0
2,4,6-Tribromophenol	0.092	0.097	0.010	5.4	20.0

7E - FORM VII SV-1

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Instrument ID: S6 Calibration Date: 07/16/2014 Time: 17:35

Lab File ID: S6B8579.D Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256H Init. Calib. Time(s): 11:14 13:29

GC Column: Rxi-5sil MS ID: 0.25 (mm)

COMPOUND	$\overline{\text{RRF}}$	RRF025	MIN RRF	%D	MAX %D
Phenol	1.750	1.913	0.800	9.3	20.0
2-Methylphenol	1.269	1.346	0.700	6.1	20.0
4-Methylphenol	1.331	1.390	0.600	4.4	20.0
Naphthalene	1.008	1.026	0.700	1.8	20.0
Acenaphthylene	1.887	1.923	0.900	1.9	20.0
Acenaphthene	1.216	1.245	0.900	2.3	20.0
Fluorene	1.434	1.533	0.900	6.9	20.0
Pentachlorophenol	0.155	0.148	0.050	-4.5	20.0
Phenanthrene	1.080	1.082	0.700	0.2	20.0
Anthracene	1.101	1.121	0.700	1.9	20.0
Fluoranthene	1.236	1.417	0.600	14.7	20.0
Pyrene	1.232	1.161	0.600	-5.7	20.0
Benzo(a)anthracene	1.142	1.238	0.800	8.4	20.0
Chrysene	1.048	1.118	0.700	6.6	20.0
Benzo(b)fluoranthene	1.176	1.264	0.700	7.5	20.0
Benzo(k)fluoranthene	1.194	1.282	0.700	7.4	20.0
Benzo(a)pyrene	1.122	1.190	0.700	6.0	20.0
Indeno(1,2,3-cd)pyrene	0.979	0.864	0.500	-11.8	20.0
Dibenzo(a,h)anthracene	0.952	0.980	0.400	2.9	20.0
Benzo(g,h,i)perylene	1.011	0.819	0.500	-19.0	20.0

7F - FORM VII SV-2

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Instrument ID: S6 Calibration Date: 07/16/2014 Time: 17:35

Lab File ID: S6B8579.D Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256H Init. Calib. Time(s): 11:14 13:29

GC Column: Rxi-5sil MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF025	MIN RRF	%D	MAX %D
Nitrobenzene-d5	0.412	0.435	0.010	5.4	20.0
2-Fluorobiphenyl	1.400	1.361	0.010	-2.7	20.0
Terphenyl-d14	0.800	0.775	0.010	-3.1	20.0
Phenol-d5	1.691	1.746	0.010	3.2	20.0
2-Fluorophenol	1.325	1.314	0.010	-0.8	20.0
2,4,6-Tribromophenol	0.092	0.093	0.010	1.1	20.0

7E - FORM VII SV-1

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Instrument ID: S6 Calibration Date: 07/17/2014 Time: 10:47

Lab File ID: S6B8617.D Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256J Init. Calib. Time(s): 11:14 13:29

GC Column: Rxi-5sil MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF025	MIN RRF	%D	MAX %D
Phenol	1.750	1.812	0.800	3.5	20.0
2-Methylphenol	1.269	1.262	0.700	-0.5	20.0
4-Methylphenol	1.331	1.304	0.600	-2.0	20.0
Naphthalene	1.008	1.008	0.700	0.1	20.0
Acenaphthylene	1.887	1.967	0.900	4.3	20.0
Acenaphthene	1.216	1.259	0.900	3.5	20.0
Fluorene	1.434	1.498	0.900	4.5	20.0
Pentachlorophenol	0.155	0.130	0.050	-15.9	20.0
Phenanthrene	1.080	1.073	0.700	-0.7	20.0
Anthracene	1.101	1.104	0.700	0.3	20.0
Fluoranthene	1.236	1.287	0.600	4.1	20.0
Pyrene	1.232	1.243	0.600	0.9	20.0
Benzo(a)anthracene	1.142	1.201	0.800	5.2	20.0
Chrysene	1.048	1.108	0.700	5.7	20.0
Benzo(b)fluoranthene	1.176	1.217	0.700	3.5	20.0
Benzo(k)fluoranthene	1.194	1.275	0.700	6.7	20.0
Benzo(a)pyrene	1.122	1.182	0.700	5.4	20.0
Indeno(1,2,3-cd)pyrene	0.979	1.074	0.500	9.7	20.0
Dibenzo(a,h)anthracene	0.952	1.033	0.400	8.5	20.0
Benzo(g,h,i)perylene	1.011	1.105	0.500	9.3	20.0

7F - FORM VII SV-2

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Instrument ID: S6 Calibration Date: 07/17/2014 Time: 10:47

Lab File ID: S6B8617.D Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256J Init. Calib. Time(s): 11:14 13:29

GC Column: Rxi-5sil MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF025	MIN RRF	%D	MAX %D
Nitrobenzene-d5	0.412	0.422	0.010	2.4	20.0
2-Fluorobiphenyl	1.400	1.447	0.010	3.4	20.0
Terphenyl-d14	0.800	0.822	0.010	2.7	20.0
Phenol-d5	1.691	1.664	0.010	-1.6	20.0
2-Fluorophenol	1.325	1.287	0.010	-2.8	20.0
2,4,6-Tribromophenol	0.092	0.097	0.010	5.8	20.0

7E - FORM VII SV-1

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Instrument ID: S6 Calibration Date: 07/18/2014 Time: 11:32

Lab File ID: S6B8649.D Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256K Init. Calib. Time(s): 11:14 13:29

GC Column: Rxi-5sil MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF025	MIN RRF	%D	MAX %D
Phenol	1.750	1.815	0.800	3.7	20.0
2-Methylphenol	1.269	1.285	0.700	1.3	20.0
4-Methylphenol	1.331	1.329	0.600	-0.2	20.0
Naphthalene	1.008	1.011	0.700	0.3	20.0
Acenaphthylene	1.887	1.935	0.900	2.6	20.0
Acenaphthene	1.216	1.244	0.900	2.3	20.0
Fluorene	1.434	1.492	0.900	4.1	20.0
Pentachlorophenol	0.155	0.141	0.050	-9.1	20.0
Phenanthrene	1.080	1.086	0.700	0.5	20.0
Anthracene	1.101	1.106	0.700	0.5	20.0
Fluoranthene	1.236	1.328	0.600	7.4	20.0
Pyrene	1.232	1.246	0.600	1.1	20.0
Benzo(a)anthracene	1.142	1.202	0.800	5.2	20.0
Chrysene	1.048	1.098	0.700	4.8	20.0
Benzo(b)fluoranthene	1.176	1.256	0.700	6.8	20.0
Benzo(k)fluoranthene	1.194	1.290	0.700	8.0	20.0
Benzo(a)pyrene	1.122	1.197	0.700	6.7	20.0
Indeno(1,2,3-cd)pyrene	0.979	0.984	0.500	0.5	20.0
Dibenzo(a,h)anthracene	0.952	0.978	0.400	2.7	20.0
Benzo(g,h,i)perylene	1.011	0.992	0.500	-1.9	20.0

7F - FORM VII SV-2

SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Instrument ID: S6 Calibration Date: 07/18/2014 Time: 11:32

Lab File ID: S6B8649.D Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256K Init. Calib. Time(s): 11:14 13:29

GC Column: Rxi-5sil MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF025	MIN RRF	%D	MAX %D
Nitrobenzene-d5	0.412	0.425	0.010	3.1	20.0
2-Fluorobiphenyl	1.400	1.417	0.010	1.2	20.0
Terphenyl-d14	0.800	0.832	0.010	4.0	20.0
Phenol-d5	1.691	1.678	0.010	-0.8	20.0
2-Fluorophenol	1.325	1.247	0.010	-5.9	20.0
2,4,6-Tribromophenol	0.092	0.095	0.010	3.0	20.0

Data File: \\avogadro\organics\S6.I\140715A.B\S6B8520.d
Report Date: 16-Jul-2014 12:50

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140715A.B\S6B8520.d
Lab Smp Id: SSTD0256G Client Smp ID: SSTD0256G
Inj Date : 15-JUL-2014 15:33
Operator : TM   SRC: TM Inst ID: S6.i
Smp Info : SSTD0256G,SSTD0256G
Misc Info : 2,3
Comment   :
Method   : \\avogadro\organics\S6.I\140715A.B\S6_8270C_N.m
Meth Date : 16-Jul-2014 12:50 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
$	109 1,4-Dioxane-d8	96	2.369	2.369	(0.472)	112249	25.0000	25
	108 1,4-Dioxane	58	2.398	2.398	(0.478)	70117	25.0000	25
	1 N-Nitrosodimethylamine	74	2.669	2.669	(0.532)	186060	25.0000	26(M)M6 TM 07/16
	2 Pyridine	79	2.710	2.710	(0.540)	325374	25.0000	25
$	3 2-Fluorophenol	112	3.885	3.885	(0.774)	315577	25.0000	25
	101 Benzaldehyde	77	4.643	4.643	(0.925)	275117	25.0000	30
$	5 Phenol-d5	99	4.702	4.702	(0.937)	409971	25.0000	25
	6 Phenol	94	4.713	4.713	(0.939)	442891	25.0000	26
	7 Aniline	66	4.713	4.713	(0.939)	220794	25.0000	26(M)M6 TM 07/16
	8 bis(2-Chloroethyl)Ether	63	4.784	4.784	(0.953)	227025	25.0000	26
	10 2-Chlorophenol	128	4.837	4.837	(0.964)	328362	25.0000	25
	11 1,3-Dichlorobenzene	146	4.966	4.966	(0.989)	362863	25.0000	24
*	12 1,4-Dichlorobenzene-d4	152	5.019	5.019	(1.000)	384535	40.0000	
	13 1,4-Dichlorobenzene	146	5.031	5.031	(1.002)	371700	25.0000	24
	117 2-Ethyl-1-hexanol	57	5.066	5.066	(1.009)	313699	25.0000	25
	15 Benzyl Alcohol	108	5.131	5.131	(1.022)	240160	25.0000	26
	16 1,2-Dichlorobenzene	146	5.160	5.160	(1.028)	351155	25.0000	25
	17 2-Methylphenol	108	5.230	5.230	(1.042)	321039	25.0000	26
	18 2,2'-oxybis(1-Chloropropane)	45	5.242	5.242	(1.044)	359950	25.0000	24
	99 Acetophenone	105	5.360	5.360	(1.068)	539442	25.0000	26

Data File: \\avogadro\organics\S6.I\140715A.B\S6B8520.d
Report Date: 16-Jul-2014 12:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19	N-Nitroso-di-n-propylamine	70	5.354	5.354	(1.067)	287723	25.0000	26
20	4-Methylphenol	108	5.360	5.360	(1.068)	334286	25.0000	26
21	Hexachloroethane	117	5.448	5.448	(1.085)	152601	25.0000	26
$ 22	Nitrobenzene-d5	82	5.483	5.483	(0.900)	396648	25.0000	26
23	Nitrobenzene	77	5.501	5.501	(0.903)	410910	25.0000	26
24	Isophorone	82	5.706	5.706	(0.936)	716851	25.0000	26
25	2-Nitrophenol	139	5.771	5.771	(0.947)	207533	25.0000	26
26	2,4-Dimethylphenol	107	5.806	5.806	(0.953)	387392	25.0000	29
27	bis(2-Chloroethoxy)methane	93	5.883	5.883	(0.965)	425449	25.0000	26
28	Benzoic Acid	105	5.894	5.894	(0.967)	296764	25.0000	28
29	2,4-Dichlorophenol	162	5.977	5.977	(0.981)	309387	25.0000	26
30	1,2,4-Trichlorobenzene	180	6.041	6.041	(0.991)	333799	25.0000	26
* 31	Naphthalene-d8	136	6.094	6.094	(1.000)	1501011	40.0000	
32	Naphthalene	128	6.112	6.112	(1.003)	944789	25.0000	25
115	alpha-Terpineol	59	6.112	6.112	(1.003)	205791	25.0000	25
33	4-Chloroaniline	127	6.153	6.153	(1.010)	417150	25.0000	26
34	Hexachlorobutadiene	225	6.212	6.212	(1.019)	211967	25.0000	26
102	Caprolactam	113	6.458	6.458	(1.060)	139395	25.0000	27
35	4-Chloro-3-Methylphenol	107	6.558	6.558	(1.076)	359725	25.0000	27
36	2-Methylnaphthalene	142	6.688	6.688	(1.097)	690883	25.0000	26
114	1-Methylnaphthalene	142	6.770	6.770	(1.111)	690853	25.0000	26
38	Hexachlorocyclopentadiene	237	6.817	6.817	(0.902)	211337	25.0000	24
112	1,2,4,5-Tetrachlorobenzene	216	6.829	6.829	(0.904)	386837	25.0000	26
39	2,4,6-Trichlorophenol	196	6.923	6.923	(0.916)	264573	25.0000	25
40	2,4,5-Trichlorophenol	196	6.958	6.958	(0.921)	277157	25.0000	26
$ 41	2-Fluorobiphenyl	172	6.987	6.987	(0.925)	858967	25.0000	25
98	1,1'-Biphenyl	154	7.075	7.075	(0.936)	1095278	25.0000	25
42	2-Chloronaphthalene	162	7.093	7.093	(0.939)	689757	25.0000	25
43	2-Nitroaniline	65	7.175	7.175	(0.949)	264324	25.0000	26
44	Dimethylphthalate	163	7.322	7.322	(0.969)	901048	25.0000	27
45	2,6-Dinitrotoluene	165	7.375	7.375	(0.976)	228652	25.0000	28
46	Acenaphthylene	152	7.440	7.440	(0.984)	1169904	25.0000	26
47	3-Nitroaniline	138	7.516	7.516	(0.995)	240065	25.0000	27
* 48	Acenaphthene-d10	164	7.557	7.557	(1.000)	966468	40.0000	
49	Acenaphthene	153	7.587	7.587	(1.004)	747852	25.0000	25
50	2,4-Dinitrophenol	184	7.604	7.604	(1.006)	132693	25.0000	25(Q)
51	4-Nitrophenol	109	7.651	7.651	(1.012)	159648	25.0000	27
53	2,4-Dinitrotoluene	165	7.710	7.710	(1.020)	303786	25.0000	27
52	Dibenzofuran	168	7.728	7.728	(1.023)	1061494	25.0000	26
110	2,3,4,6-Tetrachlorophenol	232	7.792	7.792	(1.031)	265141	25.0000	28
54	Diethylphthalate	149	7.898	7.898	(1.045)	868141	25.0000	27
56	4-Chlorophenyl-phenylether	204	8.004	8.004	(1.059)	473572	25.0000	26
55	Fluorene	166	8.010	8.010	(1.060)	903961	25.0000	26
57	4-Nitroaniline	138	8.021	8.021	(1.061)	240663	25.0000	26
58	4,6-Dinitro-2-methylphenol	198	8.051	8.051	(0.916)	192852	25.0000	25
59	N-Nitrosodiphenylamine	169	8.104	8.104	(0.922)	839014	25.0000	25
97	Azobenzene	77	8.133	8.133	(0.925)	973569	25.0000	24
$ 60	2,4,6-Tribromophenol	330	8.209	8.209	(0.934)	122984	25.0000	26
61	4-Bromophenyl-phenylether	248	8.409	8.409	(0.957)	282334	25.0000	26
62	Hexachlorobenzene	284	8.468	8.468	(0.963)	265222	25.0000	26
100	Atrazine	200	8.532	8.532	(0.971)	219895	25.0000	29
63	Pentachlorophenol	266	8.626	8.626	(0.981)	194290	25.0000	25
111	Pentachloronitrobenzene	237	8.638	8.638	(0.983)	129370	25.0000	26
* 64	Phenanthrene-d10	188	8.791	8.791	(1.000)	2026431	40.0000	

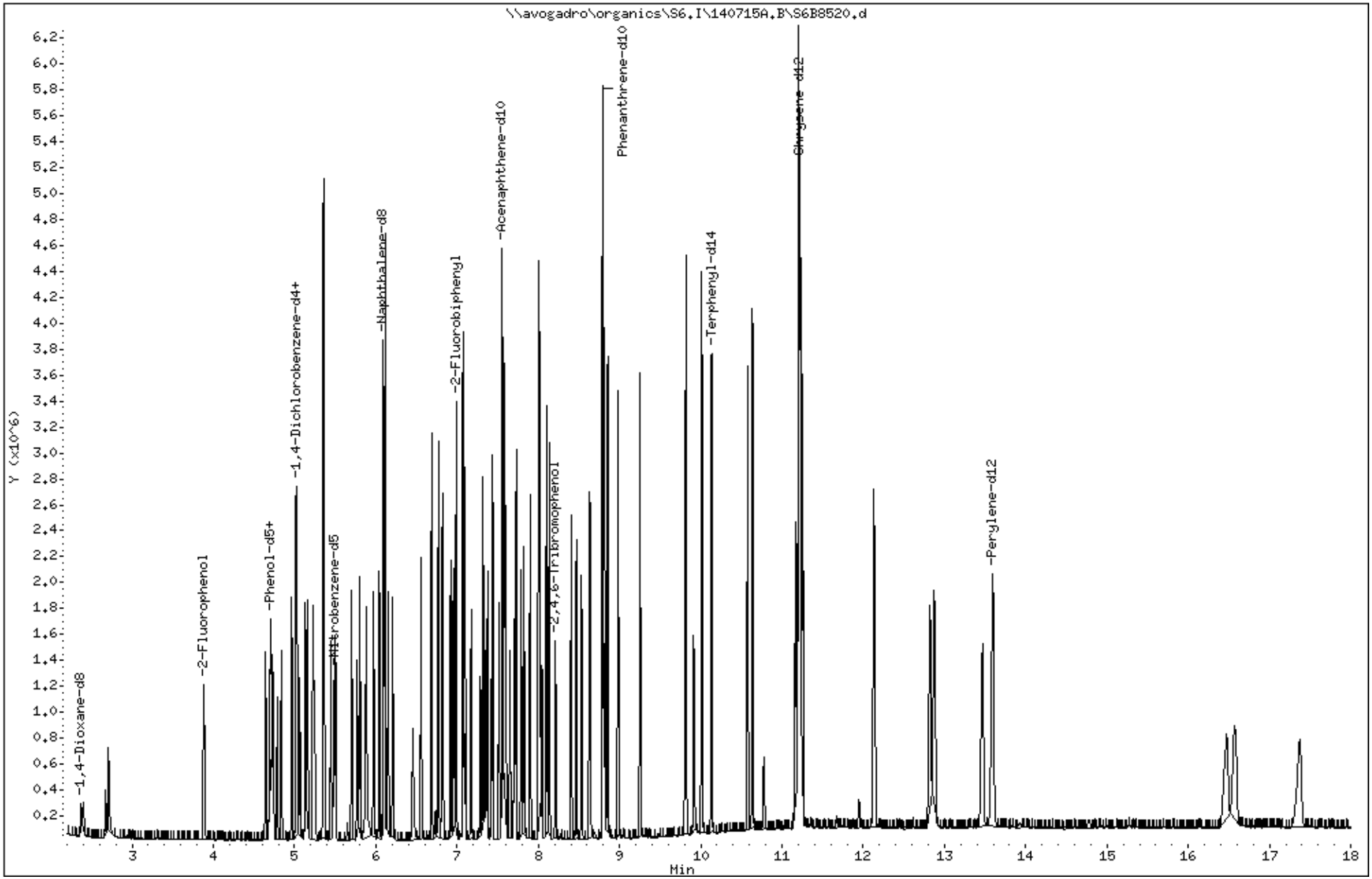
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Report Date: 16-Jul-2014 12:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
65	Phenanthrene	178	8.809	8.809	(1.002)	1356333	25.0000	25
66	Anthracene	178	8.856	8.856	(1.007)	1402312	25.0000	25
67	Carbazole	167	8.979	8.979	(1.021)	1276152	25.0000	25
68	Di-n-butylphthalate	149	9.249	9.249	(1.052)	1522356	25.0000	26
69	Fluoranthene	202	9.813	9.813	(1.116)	1676761	25.0000	27
70	Benzidine	184	9.913	9.913	(0.883)	551156	25.0000	32
71	Pyrene	202	10.013	10.013	(0.892)	1684317	25.0000	26
$ 72	Terphenyl-d14	244	10.137	10.137	(0.903)	1123550	25.0000	27
73	Butylbenzylphthalate	149	10.577	10.577	(0.942)	727000	25.0000	27
74	3,3'-Dichlorobenzidine	252	11.165	11.165	(0.995)	560504	25.0000	27
78	bis(2-Ethylhexyl)phthalate	149	11.200	11.200	(0.998)	1044515	25.0000	28
75	Benzo(a)anthracene	228	11.206	11.206	(0.998)	1548718	25.0000	26
* 76	Chrysene-d12	240	11.223	11.223	(1.000)	2061794	40.0000	
77	Chrysene	228	11.253	11.253	(1.003)	1400062	25.0000	26
79	Di-n-octylphthalate	149	12.134	12.134	(0.892)	1817961	25.0000	32
80	Benzo(b)fluoranthene	252	12.822	12.822	(0.943)	1294441	25.0000	28
81	Benzo(k)fluoranthene	252	12.875	12.875	(0.947)	1323995	25.0000	28
82	Benzo(a)pyrene	252	13.468	13.468	(0.990)	1191603	25.0000	27
* 83	Perylene-d12	264	13.597	13.597	(1.000)	1588916	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.470	16.470	(1.211)	938815	25.0000	24
85	Dibenzo(a,h)anthracene	278	16.570	16.570	(1.219)	942361	25.0000	25
86	Benzo(g,h,i)perylene	276	17.369	17.369	(1.277)	956771	25.0000	24

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\avogadro\organics\S6.I\140715A.B\S6B8520.d
Date : 15-JUL-2014 15:33
Client ID: SSTD0256G
Instrument: S6.i
Sample Info: SSTD0256G,SSTD0256G
Volume Injected (uL): 1.0
Operator: TM SRC: TM
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140716A.B\S6B8579.d
Report Date: 17-Jul-2014 13:57

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140716A.B\S6B8579.d
Lab Smp Id: SSTD0256H Client Smp ID: SSTD0256H
Inj Date : 16-JUL-2014 17:35
Operator : TM   SRC: TM Inst ID: S6.i
Smp Info : SSTD0256H,SSTD0256H
Misc Info : 2,3
Comment   :
Method   : \\avogadro\organics\S6.I\140716A.B\S6_8270C_N.m
Meth Date : 17-Jul-2014 13:57 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	
$ 109 1,4-Dioxane-d8	96	2.328	2.328	(0.467)	77595	25.0000	25	
108 1,4-Dioxane	58	2.357	2.357	(0.473)	49022	25.0000	25	
1 N-Nitrosodimethylamine	74	2.633	2.633	(0.528)	133478	25.0000	27	
2 Pyridine	79	2.669	2.669	(0.536)	227186	25.0000	24	
$ 3 2-Fluorophenol	112	3.850	3.850	(0.772)	221349	25.0000	25	
101 Benzaldehyde	77	4.608	4.608	(0.925)	191420	25.0000	30	
$ 5 Phenol-d5	99	4.666	4.666	(0.936)	294149	25.0000	26	
6 Phenol	94	4.678	4.678	(0.939)	322191	25.0000	27	
7 Aniline	66	4.678	4.678	(0.939)	167244	25.0000	28(M)M6 TM 07/17	
8 bis(2-Chloroethyl)Ether	63	4.755	4.755	(0.954)	151386	25.0000	24	
10 2-Chlorophenol	128	4.807	4.807	(0.965)	233140	25.0000	26	
11 1,3-Dichlorobenzene	146	4.937	4.937	(0.991)	253050	25.0000	24	
* 12 1,4-Dichlorobenzene-d4	152	4.984	4.984	(1.000)	269524	40.0000		
13 1,4-Dichlorobenzene	146	4.995	4.995	(1.002)	255981	25.0000	24	
117 2-Ethyl-1-hexanol	57	5.031	5.031	(1.009)	215016	25.0000	24	
15 Benzyl Alcohol	108	5.101	5.101	(1.024)	167839	25.0000	26	
16 1,2-Dichlorobenzene	146	5.125	5.125	(1.028)	244940	25.0000	24	
17 2-Methylphenol	108	5.195	5.195	(1.042)	226773	25.0000	26	
18 2,2'-oxybis(1-Chloropropane)	45	5.213	5.213	(1.046)	248843	25.0000	24	
99 Acetophenone	105	5.324	5.324	(1.068)	395014	25.0000	27	

Data File: \\avogadro\organics\S6.I\140716A.B\S6B8579.d
Report Date: 17-Jul-2014 13:57

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
	19 N-Nitroso-di-n-propylamine	70	5.324	5.324	(1.068)	201564	25.0000	26
	20 4-Methylphenol	108	5.324	5.324	(1.068)	234099	25.0000	26
	21 Hexachloroethane	117	5.413	5.413	(1.086)	101031	25.0000	25
$	22 Nitrobenzene-d5	82	5.454	5.454	(0.899)	281543	25.0000	26
	23 Nitrobenzene	77	5.471	5.471	(0.902)	297943	25.0000	27
	24 Isophorone	82	5.671	5.671	(0.935)	511543	25.0000	27
	25 2-Nitrophenol	139	5.736	5.736	(0.946)	147645	25.0000	27
	26 2,4-Dimethylphenol	107	5.771	5.771	(0.952)	269925	25.0000	29
	27 bis(2-Chloroethoxy)methane	93	5.847	5.847	(0.964)	301753	25.0000	26
	28 Benzoic Acid	105	5.859	5.859	(0.966)	229385	25.0000	31
	29 2,4-Dichlorophenol	162	5.941	5.941	(0.980)	221525	25.0000	27
	30 1,2,4-Trichlorobenzene	180	6.012	6.012	(0.991)	231241	25.0000	26
*	31 Naphthalene-d8	136	6.065	6.065	(1.000)	1036479	40.0000	
	32 Naphthalene	128	6.082	6.082	(1.003)	664660	25.0000	25
	115 alpha-Terpineol	59	6.082	6.082	(1.003)	142459	25.0000	25
	33 4-Chloroaniline	127	6.118	6.118	(1.009)	296869	25.0000	26
	34 Hexachlorobutadiene	225	6.176	6.176	(1.018)	142202	25.0000	26
	102 Caprolactam	113	6.423	6.423	(1.059)	106330	25.0000	30
	35 4-Chloro-3-Methylphenol	107	6.529	6.529	(1.077)	265302	25.0000	29
	36 2-Methylnaphthalene	142	6.652	6.652	(1.097)	487132	25.0000	27
	114 1-Methylnaphthalene	142	6.740	6.740	(1.111)	478728	25.0000	26
	38 Hexachlorocyclopentadiene	237	6.782	6.782	(0.902)	85432	25.0000	13
	112 1,2,4,5-Tetrachlorobenzene	216	6.793	6.793	(0.903)	273110	25.0000	25
	39 2,4,6-Trichlorophenol	196	6.887	6.887	(0.916)	191645	25.0000	25
	40 2,4,5-Trichlorophenol	196	6.923	6.923	(0.920)	196589	25.0000	25
$	41 2-Fluorobiphenyl	172	6.958	6.958	(0.925)	600936	25.0000	24
	98 1,1'-Biphenyl	154	7.040	7.040	(0.936)	785038	25.0000	25
	42 2-Chloronaphthalene	162	7.064	7.064	(0.939)	489121	25.0000	24
	43 2-Nitroaniline	65	7.140	7.140	(0.949)	193481	25.0000	26
	44 Dimethylphthalate	163	7.287	7.287	(0.969)	664222	25.0000	27
	45 2,6-Dinitrotoluene	165	7.340	7.340	(0.976)	161473	25.0000	27
	46 Acenaphthylene	152	7.410	7.410	(0.985)	848592	25.0000	25
	47 3-Nitroaniline	138	7.481	7.481	(0.995)	178174	25.0000	27
*	48 Acenaphthene-d10	164	7.522	7.522	(1.000)	706236	40.0000	
	49 Acenaphthene	153	7.551	7.551	(1.004)	549386	25.0000	26
	50 2,4-Dinitrophenol	184	7.569	7.569	(1.006)	86495	25.0000	22
	51 4-Nitrophenol	109	7.622	7.622	(1.013)	124345	25.0000	29
	53 2,4-Dinitrotoluene	165	7.675	7.675	(1.020)	227774	25.0000	28
	52 Dibenzofuran	168	7.692	7.692	(1.023)	763535	25.0000	26
	110 2,3,4,6-Tetrachlorophenol	232	7.757	7.757	(1.031)	189744	25.0000	27
	54 Diethylphthalate	149	7.869	7.869	(1.046)	641476	25.0000	27
	56 4-Chlorophenyl-phenylether	204	7.968	7.968	(1.059)	337484	25.0000	26
	55 Fluorene	166	7.974	7.974	(1.060)	676578	25.0000	27
	57 4-Nitroaniline	138	7.992	7.992	(1.062)	186461	25.0000	28
	58 4,6-Dinitro-2-methylphenol	198	8.015	8.015	(0.911)	147819	25.0000	24
	59 N-Nitrosodiphenylamine	169	8.068	8.068	(0.917)	628772	25.0000	24(H)
	97 Azobenzene	77	8.098	8.098	(0.921)	724010	25.0000	23(H)
$	60 2,4,6-Tribromophenol	330	8.174	8.174	(0.929)	92193	25.0000	25
	61 4-Bromophenyl-phenylether	248	8.374	8.374	(0.952)	208964	25.0000	24
	62 Hexachlorobenzene	284	8.433	8.433	(0.959)	197342	25.0000	25
	100 Atrazine	200	8.503	8.503	(0.967)	167764	25.0000	29
	63 Pentachlorophenol	266	8.597	8.597	(0.977)	146590	25.0000	24
	111 Pentachloronitrobenzene	237	8.603	8.603	(0.978)	102192	25.0000	26
*	64 Phenanthrene-d10	188	8.756	8.756	(1.000)	1583791	40.0000	(H)

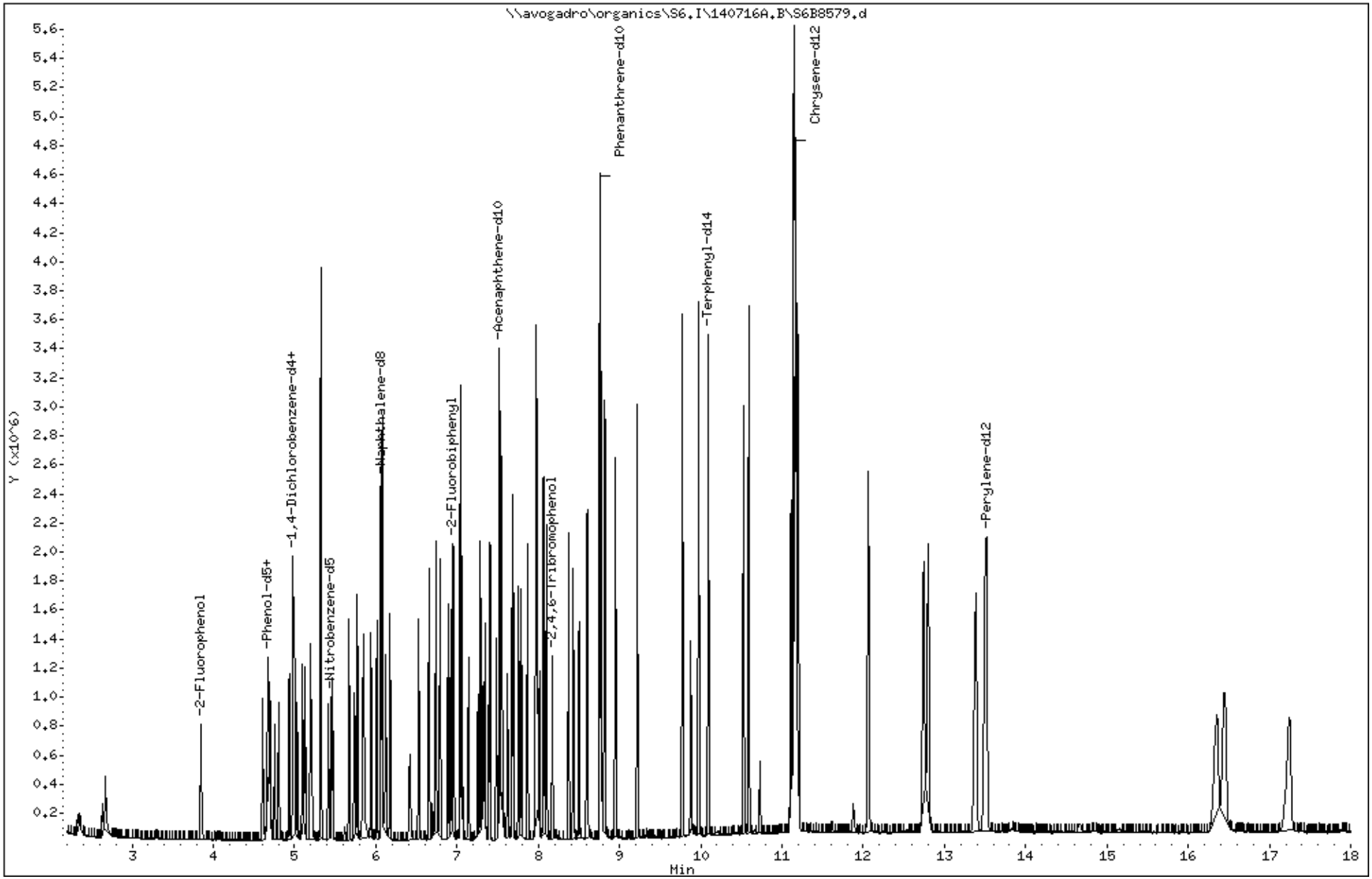
Data File: \\avogadro\organics\S6.I\140716A.B\S6B8579.d
Report Date: 17-Jul-2014 13:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
65	Phenanthrene	178	8.773	8.773	(0.997)	1071383	25.0000	25(H)
66	Anthracene	178	8.815	8.815	(1.002)	1110112	25.0000	25
67	Carbazole	167	8.950	8.950	(1.017)	1039929	25.0000	26(H)
68	Di-n-butylphthalate	149	9.214	9.214	(1.047)	1207836	25.0000	27
69	Fluoranthene	202	9.772	9.772	(1.111)	1403091	25.0000	29
70	Benzidine	184	9.878	9.878	(0.884)	462891	25.0000	28
71	Pyrene	202	9.972	9.972	(0.893)	1435633	25.0000	24
$ 72	Terphenyl-d14	244	10.090	10.090	(0.903)	957998	25.0000	24
73	Butylbenzylphthalate	149	10.530	10.530	(0.943)	632522	25.0000	24
74	3,3'-Dichlorobenzidine	252	11.112	11.112	(0.995)	557094	25.0000	28
78	bis(2-Ethylhexyl)phthalate	149	11.147	11.147	(0.998)	910550	25.0000	25
75	Benzo(a)anthracene	228	11.153	11.153	(0.998)	1530771	25.0000	27
* 76	Chrysene-d12	240	11.171	11.171	(1.000)	1977677	40.0000	
77	Chrysene	228	11.200	11.200	(1.003)	1381748	25.0000	27
79	Di-n-octylphthalate	149	12.064	12.064	(0.884)	1680555	25.0000	26(H)
80	Benzo(b)fluoranthene	252	12.745	12.745	(0.934)	1427786	25.0000	27(H)
81	Benzo(k)fluoranthene	252	12.798	12.798	(0.938)	1447970	25.0000	27(H)
82	Benzo(a)pyrene	252	13.386	13.386	(0.981)	1343593	25.0000	26(H)
* 83	Perylene-d12	264	13.515	13.515	(1.000)	1807147	40.0000	(H)
84	Indeno(1,2,3-cd)pyrene	276	16.353	16.353	(1.198)	975588	25.0000	22(H)
85	Dibenzo(a,h)anthracene	278	16.447	16.447	(1.205)	1107409	25.0000	26(H)
86	Benzo(g,h,i)perylene	276	17.246	17.246	(1.263)	924920	25.0000	20(H)

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140716A.B\S6B8579.d
Date : 16-JUL-2014 17:35
Client ID: SSTD0256H
Instrument: S6.i
Sample Info: SSTD0256H,SSTD0256H
Volume Injected (uL): 1.0
Operator: TM SRC: TM
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8617.d
Report Date: 18-Jul-2014 15:40

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8617.d
Lab Smp Id: SSTD0256J Client Smp ID: SSTD0256J
Inj Date : 17-JUL-2014 10:47
Operator : TM   SRC: TM Inst ID: S6.i
Smp Info : SSTD0256J,SSTD0256J
Misc Info : 2,3
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
$	109	1,4-Dioxane-d8	96	2.310	2.310	(0.466)	91398	25.0000	26
	108	1,4-Dioxane	58	2.334	2.334	(0.471)	61548	25.0000	28
	1	N-Nitrosodimethylamine	74	2.610	2.610	(0.526)	150466	25.0000	27
	2	Pyridine	79	2.651	2.651	(0.534)	262539	25.0000	25
$	3	2-Fluorophenol	112	3.832	3.832	(0.773)	241902	25.0000	24
	101	Benzaldehyde	77	4.584	4.584	(0.924)	203169	25.0000	29
$	5	Phenol-d5	99	4.655	4.655	(0.938)	312637	25.0000	24
	6	Phenol	94	4.666	4.666	(0.941)	340525	25.0000	26
	7	Aniline	66	4.672	4.672	(0.942)	224814	25.0000	34(M)M6 TM 07/18
	8	bis(2-Chloroethyl)Ether	63	4.731	4.731	(0.954)	170947	25.0000	25
	10	2-Chlorophenol	128	4.784	4.784	(0.964)	252627	25.0000	25
	11	1,3-Dichlorobenzene	146	4.907	4.907	(0.989)	285259	25.0000	24
*	12	1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	300662	40.0000	
	13	1,4-Dichlorobenzene	146	4.972	4.972	(1.002)	283572	25.0000	24
	117	2-Ethyl-1-hexanol	57	5.007	5.007	(1.009)	244289	25.0000	25
	15	Benzyl Alcohol	108	5.078	5.078	(1.024)	179873	25.0000	25
	16	1,2-Dichlorobenzene	146	5.101	5.101	(1.028)	272312	25.0000	24
	17	2-Methylphenol	108	5.178	5.178	(1.044)	237099	25.0000	25
	18	2,2'-oxybis(1-Chloropropane)	45	5.183	5.183	(1.045)	265446	25.0000	23
	99	Acetophenone	105	5.301	5.301	(1.069)	415178	25.0000	25

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
	19 N-Nitroso-di-n-propylamine	70	5.301	5.301	(1.069)	216558	25.0000	25
	20 4-Methylphenol	108	5.307	5.307	(1.070)	245093	25.0000	24
	21 Hexachloroethane	117	5.389	5.389	(1.086)	113770	25.0000	25
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.893)	294689	25.0000	26
	23 Nitrobenzene	77	5.448	5.448	(0.896)	313390	25.0000	26
	24 Isophorone	82	5.648	5.648	(0.929)	530378	25.0000	26(H)
	25 2-Nitrophenol	139	5.712	5.712	(0.939)	154203	25.0000	26
	26 2,4-Dimethylphenol	107	5.753	5.753	(0.946)	283419	25.0000	28
	27 bis(2-Chloroethoxy)methane	93	5.824	5.824	(0.958)	314477	25.0000	26(H)
	28 Benzoic Acid	105	5.847	5.847	(0.961)	189574	25.0000	24
	29 2,4-Dichlorophenol	162	5.924	5.924	(0.974)	231642	25.0000	26
	30 1,2,4-Trichlorobenzene	180	5.988	5.988	(0.985)	256971	25.0000	26
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	1116740	40.0000	(H)
	32 Naphthalene	128	6.053	6.053	(0.995)	703851	25.0000	25(H)
	115 alpha-Terpineol	59	6.059	6.059	(0.996)	153671	25.0000	25
	33 4-Chloroaniline	127	6.100	6.100	(1.003)	316173	25.0000	26
	34 Hexachlorobutadiene	225	6.153	6.153	(1.012)	162384	25.0000	27
	102 Caprolactam	113	6.400	6.400	(1.052)	100296	25.0000	26
	35 4-Chloro-3-Methylphenol	107	6.511	6.511	(1.071)	262545	25.0000	26
	36 2-Methylnaphthalene	142	6.629	6.629	(1.090)	507916	25.0000	26(H)
	114 1-Methylnaphthalene	142	6.711	6.711	(1.103)	504529	25.0000	26
	38 Hexachlorocyclopentadiene	237	6.758	6.758	(0.901)	102330	25.0000	16
	112 1,2,4,5-Tetrachlorobenzene	216	6.770	6.770	(0.903)	289129	25.0000	26
	39 2,4,6-Trichlorophenol	196	6.870	6.870	(0.916)	192077	25.0000	26
	40 2,4,5-Trichlorophenol	196	6.905	6.905	(0.921)	196940	25.0000	25
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	630360	25.0000	26
	98 1,1'-Biphenyl	154	7.017	7.017	(0.936)	789320	25.0000	25
	42 2-Chloronaphthalene	162	7.040	7.040	(0.939)	514260	25.0000	25
	43 2-Nitroaniline	65	7.122	7.122	(0.950)	187492	25.0000	26
	44 Dimethylphthalate	163	7.269	7.269	(0.969)	659775	25.0000	27
	45 2,6-Dinitrotoluene	165	7.322	7.322	(0.976)	159250	25.0000	27
	46 Acenaphthylene	152	7.381	7.381	(0.984)	856617	25.0000	26
	47 3-Nitroaniline	138	7.463	7.463	(0.995)	167295	25.0000	26
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	696827	40.0000	
	49 Acenaphthene	153	7.528	7.528	(1.004)	548469	25.0000	26
	50 2,4-Dinitrophenol	184	7.551	7.551	(1.007)	75422	25.0000	19(aQ)
	51 4-Nitrophenol	109	7.610	7.610	(1.015)	109985	25.0000	26
	53 2,4-Dinitrotoluene	165	7.657	7.657	(1.021)	218016	25.0000	27
	52 Dibenzofuran	168	7.669	7.669	(1.023)	768686	25.0000	26
	110 2,3,4,6-Tetrachlorophenol	232	7.733	7.733	(1.031)	180474	25.0000	26
	54 Diethylphthalate	149	7.845	7.845	(1.046)	673170	25.0000	29
	56 4-Chlorophenyl-phenylether	204	7.945	7.945	(1.060)	343295	25.0000	26
	55 Fluorene	166	7.951	7.951	(1.060)	652614	25.0000	26
	57 4-Nitroaniline	138	7.968	7.968	(1.063)	169538	25.0000	26
	58 4,6-Dinitro-2-methylphenol	198	7.998	7.998	(0.911)	129263	25.0000	23
	59 N-Nitrosodiphenylamine	169	8.045	8.045	(0.916)	599889	25.0000	25(H)
	97 Azobenzene	77	8.074	8.074	(0.920)	685578	25.0000	24
$	60 2,4,6-Tribromophenol	330	8.156	8.156	(0.929)	88308	25.0000	26
	61 4-Bromophenyl-phenylether	248	8.350	8.350	(0.951)	200185	25.0000	26(H)
	62 Hexachlorobenzene	284	8.409	8.409	(0.958)	189264	25.0000	26
	100 Atrazine	200	8.480	8.480	(0.966)	150527	25.0000	28
	63 Pentachlorophenol	266	8.574	8.574	(0.977)	118290	25.0000	21
	111 Pentachloronitrobenzene	237	8.580	8.580	(0.977)	95611	25.0000	27
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1450478	40.0000	(H)

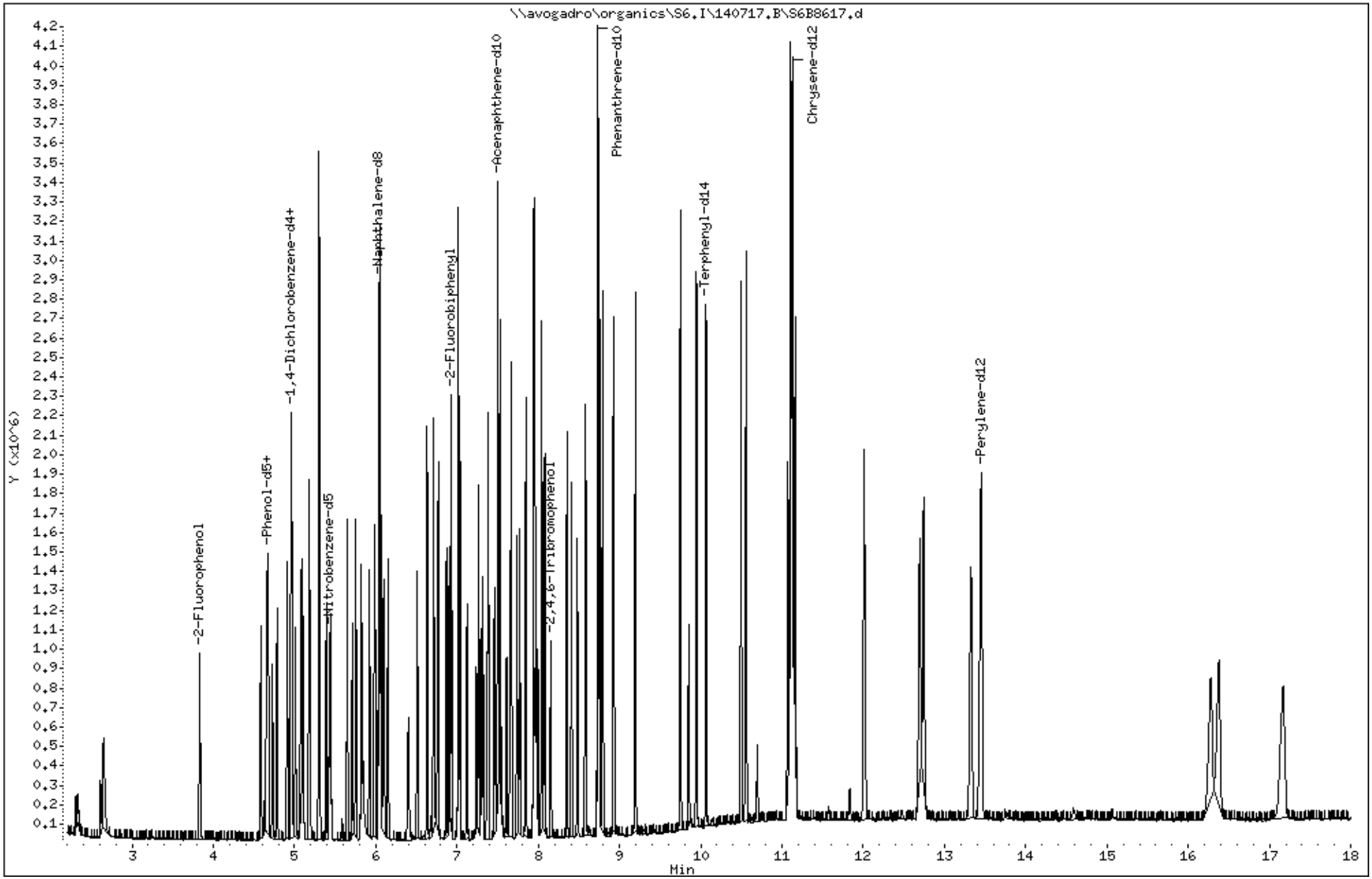
Data File: \\avogadro\organics\S6.I\140717.B\S6B8617.d
Report Date: 18-Jul-2014 15:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
65	Phenanthrene	178	8.756	8.756	(0.997)	972380	25.0000	25(H)
66	Anthracene	178	8.797	8.797	(1.002)	1000805	25.0000	25
67	Carbazole	167	8.926	8.926	(1.017)	919099	25.0000	26
68	Di-n-butylphthalate	149	9.191	9.191	(1.047)	1102811	25.0000	27
69	Fluoranthene	202	9.749	9.749	(1.110)	1167090	25.0000	26(H)
70	Benzidine	184	9.849	9.849	(0.881)	356259	25.0000	28
71	Pyrene	202	9.949	9.949	(0.890)	1185986	25.0000	25
$ 72	Terphenyl-d14	244	10.060	10.060	(0.900)	784032	25.0000	26
73	Butylbenzylphthalate	149	10.495	10.495	(0.939)	508457	25.0000	25(H)
74	3,3'-Dichlorobenzidine	252	11.071	11.071	(0.991)	437084	25.0000	28(H)
78	bis(2-Ethylhexyl)phthalate	149	11.106	11.106	(0.994)	715105	25.0000	26(H)
75	Benzo(a)anthracene	228	11.112	11.112	(0.994)	1145916	25.0000	26(H)
* 76	Chrysene-d12	240	11.130	11.130	(1.000)	1526123	40.0000	(H)
77	Chrysene	228	11.159	11.159	(0.998)	1057152	25.0000	26
79	Di-n-octylphthalate	149	12.011	12.011	(0.893)	1291886	25.0000	26
80	Benzo(b)fluoranthene	252	12.692	12.692	(0.944)	1093647	25.0000	26
81	Benzo(k)fluoranthene	252	12.745	12.745	(0.948)	1144899	25.0000	27
82	Benzo(a)pyrene	252	13.327	13.327	(0.991)	1062189	25.0000	26
* 83	Perylene-d12	264	13.450	13.450	(1.000)	1437269	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.277	16.277	(1.210)	964427	25.0000	27
85	Dibenzo(a,h)anthracene	278	16.376	16.376	(1.218)	928166	25.0000	27
86	Benzo(g,h,i)perylene	276	17.170	17.170	(1.277)	992491	25.0000	27

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8617.d
Date : 17-JUL-2014 10:47
Client ID: SSTD0256J
Instrument: S6.i
Sample Info: SSTD0256J,SSTD0256J
Volume Injected (uL): 1.0
Operator: TM SRC: TM
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140718.B\S6B8649.d
Report Date: 21-Jul-2014 13:13

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140718.B\S6B8649.d
Lab Smp Id: SSTD0256K Client Smp ID: SSTD0256K
Inj Date : 18-JUL-2014 11:32
Operator : TM   SRC: TM Inst ID: S6.i
Smp Info : SSTD0256K,SSTD0256K
Misc Info : 2,3
Comment   :
Method   : \\avogadro\organics\S6.I\140718.B\S6_8270C_N.m
Meth Date : 21-Jul-2014 13:13 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
$	109 1,4-Dioxane-d8	96	2.275	2.275	(0.462)	81599	25.0000	26
	108 1,4-Dioxane	58	2.304	2.304	(0.468)	53011	25.0000	27
	1 N-Nitrosodimethylamine	74	2.581	2.581	(0.524)	128796	25.0000	26
	2 Pyridine	79	2.616	2.616	(0.531)	222288	25.0000	24
$	3 2-Fluorophenol	112	3.803	3.803	(0.772)	207437	25.0000	24
	101 Benzaldehyde	77	4.555	4.555	(0.925)	183199	25.0000	29
$	5 Phenol-d5	99	4.625	4.625	(0.939)	279291	25.0000	25
	6 Phenol	94	4.637	4.637	(0.942)	302067	25.0000	26
	7 Aniline	66	4.637	4.637	(0.942)	163963	25.0000	28(M)M2 TM 07/21
	8 bis(2-Chloroethyl)Ether	63	4.696	4.696	(0.953)	151785	25.0000	25
	10 2-Chlorophenol	128	4.749	4.749	(0.964)	219412	25.0000	24
	11 1,3-Dichlorobenzene	146	4.878	4.878	(0.990)	253772	25.0000	25
*	12 1,4-Dichlorobenzene-d4	152	4.925	4.925	(1.000)	266235	40.0000	
	13 1,4-Dichlorobenzene	146	4.937	4.937	(1.002)	251947	25.0000	24
	117 2-Ethyl-1-hexanol	57	4.972	4.972	(1.010)	217140	25.0000	25
	15 Benzyl Alcohol	108	5.042	5.042	(1.024)	158910	25.0000	25
	16 1,2-Dichlorobenzene	146	5.066	5.066	(1.029)	237763	25.0000	24
	17 2-Methylphenol	108	5.148	5.148	(1.045)	213903	25.0000	25
	18 2,2'-oxybis(1-Chloropropane)	45	5.154	5.154	(1.047)	239467	25.0000	24
	99 Acetophenone	105	5.266	5.266	(1.069)	379498	25.0000	26

Data File: \\avogadro\organics\S6.I\140718.B\S6B8649.d
Report Date: 21-Jul-2014 13:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19	N-Nitroso-di-n-propylamine	70	5.266	5.266	(1.069)	199273	25.0000	26
20	4-Methylphenol	108	5.277	5.277	(1.072)	221132	25.0000	25
21	Hexachloroethane	117	5.354	5.354	(1.087)	101203	25.0000	25
$ 22	Nitrobenzene-d5	82	5.395	5.395	(0.899)	267831	25.0000	26
23	Nitrobenzene	77	5.413	5.413	(0.902)	280672	25.0000	26
24	Isophorone	82	5.612	5.612	(0.935)	490662	25.0000	26
25	2-Nitrophenol	139	5.677	5.677	(0.946)	138572	25.0000	26
26	2,4-Dimethylphenol	107	5.718	5.718	(0.953)	263504	25.0000	29
27	bis(2-Chloroethoxy)methane	93	5.789	5.789	(0.965)	289443	25.0000	26
28	Benzoic Acid	105	5.812	5.812	(0.969)	211133	25.0000	29
29	2,4-Dichlorophenol	162	5.888	5.888	(0.981)	214328	25.0000	27
30	1,2,4-Trichlorobenzene	180	5.953	5.953	(0.992)	225502	25.0000	26
* 31	Naphthalene-d8	136	6.000	6.000	(1.000)	1007805	40.0000	
32	Naphthalene	128	6.018	6.018	(1.003)	636905	25.0000	25
115	alpha-Terpineol	59	6.024	6.024	(1.004)	133824	25.0000	24
33	4-Chloroaniline	127	6.065	6.065	(1.011)	281565	25.0000	26
34	Hexachlorobutadiene	225	6.118	6.118	(1.020)	143995	25.0000	27
102	Caprolactam	113	6.364	6.364	(1.061)	95304	25.0000	28
35	4-Chloro-3-Methylphenol	107	6.476	6.476	(1.079)	249825	25.0000	28
36	2-Methylnaphthalene	142	6.594	6.594	(1.099)	456662	25.0000	26
114	1-Methylnaphthalene	142	6.676	6.676	(1.113)	464738	25.0000	26
38	Hexachlorocyclopentadiene	237	6.723	6.723	(0.901)	94090	25.0000	16
112	1,2,4,5-Tetrachlorobenzene	216	6.735	6.735	(0.902)	260720	25.0000	26
39	2,4,6-Trichlorophenol	196	6.834	6.834	(0.916)	175727	25.0000	25
40	2,4,5-Trichlorophenol	196	6.870	6.870	(0.920)	183210	25.0000	25
$ 41	2-Fluorobiphenyl	172	6.893	6.893	(0.924)	578264	25.0000	25
98	1,1'-Biphenyl	154	6.981	6.981	(0.935)	734566	25.0000	25
42	2-Chloronaphthalene	162	7.005	7.005	(0.939)	461111	25.0000	24
43	2-Nitroaniline	65	7.087	7.087	(0.950)	179212	25.0000	26
44	Dimethylphthalate	163	7.228	7.228	(0.969)	616788	25.0000	27
45	2,6-Dinitrotoluene	165	7.287	7.287	(0.976)	148585	25.0000	27
46	Acenaphthylene	152	7.346	7.346	(0.984)	789882	25.0000	26
47	3-Nitroaniline	138	7.428	7.428	(0.995)	155119	25.0000	26
* 48	Acenaphthene-d10	164	7.463	7.463	(1.000)	653026	40.0000	
49	Acenaphthene	153	7.492	7.492	(1.004)	507719	25.0000	26
50	2,4-Dinitrophenol	184	7.516	7.516	(1.007)	75987	25.0000	21(Q)
51	4-Nitrophenol	109	7.575	7.575	(1.015)	107310	25.0000	27
53	2,4-Dinitrotoluene	165	7.616	7.616	(1.020)	206408	25.0000	28
52	Dibenzofuran	168	7.633	7.633	(1.023)	703634	25.0000	26
110	2,3,4,6-Tetrachlorophenol	232	7.698	7.698	(1.031)	177374	25.0000	27
54	Diethylphthalate	149	7.810	7.810	(1.046)	607452	25.0000	28
56	4-Chlorophenyl-phenylether	204	7.910	7.910	(1.060)	322441	25.0000	26
55	Fluorene	166	7.916	7.916	(1.061)	608887	25.0000	26
57	4-Nitroaniline	138	7.933	7.933	(1.063)	157744	25.0000	26
58	4,6-Dinitro-2-methylphenol	198	7.957	7.957	(0.911)	123014	25.0000	23
59	N-Nitrosodiphenylamine	169	8.010	8.010	(0.917)	551301	25.0000	24(H)
97	Azobenzene	77	8.039	8.039	(0.920)	654373	25.0000	24(H)
$ 60	2,4,6-Tribromophenol	330	8.115	8.115	(0.929)	81151	25.0000	26
61	4-Bromophenyl-phenylether	248	8.315	8.315	(0.952)	189400	25.0000	26(H)
62	Hexachlorobenzene	284	8.374	8.374	(0.958)	183052	25.0000	27
100	Atrazine	200	8.444	8.444	(0.966)	156275	25.0000	31
63	Pentachlorophenol	266	8.538	8.538	(0.977)	120682	25.0000	23
111	Pentachloronitrobenzene	237	8.544	8.544	(0.978)	87827	25.0000	26
* 64	Phenanthrene-d10	188	8.697	8.697	(1.000)	1369057	40.0000	(H)

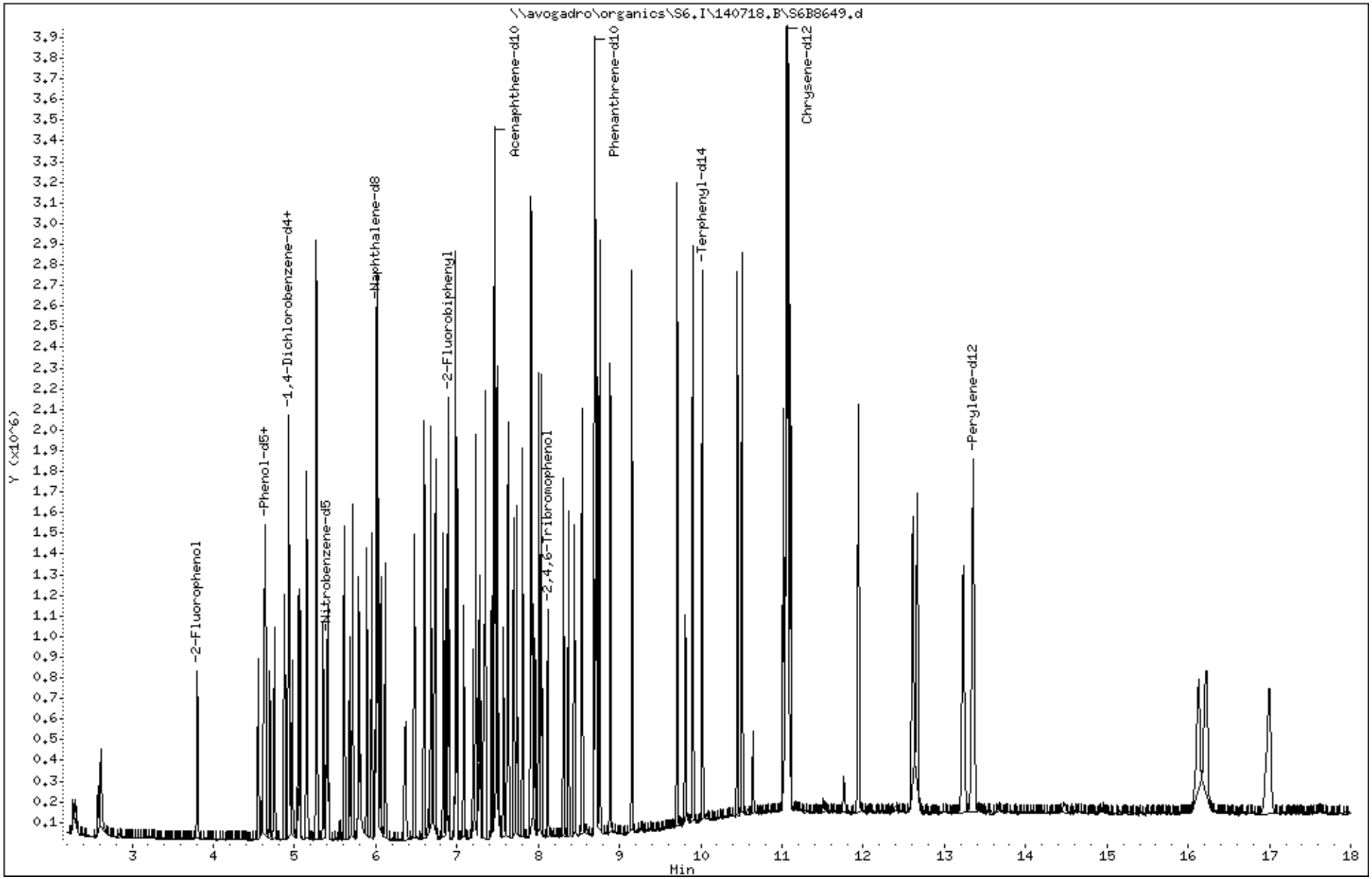
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Report Date: 21-Jul-2014 13:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
65	Phenanthrene	178	8.715	8.715	(0.997)	929044	25.0000	25(H)
66	Anthracene	178	8.756	8.756	(1.002)	946544	25.0000	25
67	Carbazole	167	8.885	8.885	(1.017)	857134	25.0000	25
68	Di-n-butylphthalate	149	9.155	9.155	(1.048)	1030465	25.0000	26
69	Fluoranthene	202	9.708	9.708	(1.111)	1136349	25.0000	27
70	Benzidine	184	9.807	9.807	(0.885)	354185	25.0000	29
71	Pyrene	202	9.901	9.901	(0.894)	1141335	25.0000	25
$ 72	Terphenyl-d14	244	10.019	10.019	(0.905)	762371	25.0000	26
73	Butylbenzylphthalate	149	10.448	10.448	(0.943)	501629	25.0000	26
74	3,3'-Dichlorobenzidine	252	11.018	11.018	(0.995)	425890	25.0000	29
78	bis(2-Ethylhexyl)phthalate	149	11.047	11.047	(0.997)	704792	25.0000	26
75	Benzo(a)anthracene	228	11.059	11.059	(0.998)	1100717	25.0000	26
* 76	Chrysene-d12	240	11.077	11.077	(1.000)	1465584	40.0000	
77	Chrysene	228	11.106	11.106	(1.003)	1006176	25.0000	26
79	Di-n-octylphthalate	149	11.940	11.940	(0.894)	1261159	25.0000	27
80	Benzo(b)fluoranthene	252	12.610	12.610	(0.944)	1038929	25.0000	27
81	Benzo(k)fluoranthene	252	12.663	12.663	(0.948)	1066965	25.0000	27
82	Benzo(a)pyrene	252	13.233	13.233	(0.991)	990333	25.0000	27
* 83	Perylene-d12	264	13.356	13.356	(1.000)	1323378	40.0000	
84	Indeno(1,2,3-cd)pyrene	276	16.124	16.124	(1.207)	813735	25.0000	25
85	Dibenzo(a,h)anthracene	278	16.218	16.218	(1.214)	808966	25.0000	26
86	Benzo(g,h,i)perylene	276	16.993	16.993	(1.272)	820634	25.0000	24(H)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140718.B\S6B8649.d
Date : 18-JUL-2014 11:32
Client ID: SSTD0256K
Instrument: S6.i
Sample Info: SSTD0256K,SSTD0256K
Volume Injected (uL): 1.0
Operator: TM SRC: TM
Column phase: Rxi-5Sil MS
Column diameter: 0.25



Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140710.B\S6B8390.d
Lab Smp Id: DFTPP6A Client Smp ID: DFTPP6A
Inj Date : 10-JUL-2014 10:11
Operator : TM SRC: TM Inst ID: S6.i
Smp Info : DFTPP6A,DFTPP6A
Misc Info :
Comment :
Method : \\avogadro\organics\S6.I\140710.B\S6_dftppSOM.m
Meth Date : 11-Jul-2014 12:47 tmcdaniel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	2.000	Injection Volume (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.734	4.398	0.336	198	522496			0.00- 100.00	100.00
4.734	4.398	0.336	51	250112			10.00- 80.00	47.87
4.734	4.398	0.336	68	0	0.0	0.0	0.00- 2.00	0.00
4.734	4.398	0.336	69	265344			0.00- 0.00	50.78
4.734	4.398	0.336	70	1980			0.00- 2.00	0.75
4.734	4.398	0.336	127	249344			10.00- 80.00	47.72
4.734	4.398	0.336	197	0	0.0	0.0	0.00- 2.00	0.00
4.734	4.398	0.336	199	35008			5.00- 9.00	6.70
4.734	4.398	0.336	275	120432			10.00- 60.00	23.05
4.734	4.398	0.336	365	11797			1.00- 0.00	2.26
4.734	4.398	0.336	441	49216			0.01- 99.99	84.09
4.734	4.398	0.336	442	307968			50.00- 100.00	58.94
4.734	4.398	0.336	443	58528			15.00- 24.00	19.00

Data File: \\avogadro\organics\S6.I\140710.B\S6B8390.d

Date : 10-JUL-2014 10:11

Client ID: DFTPP6A

Instrument: S6.i

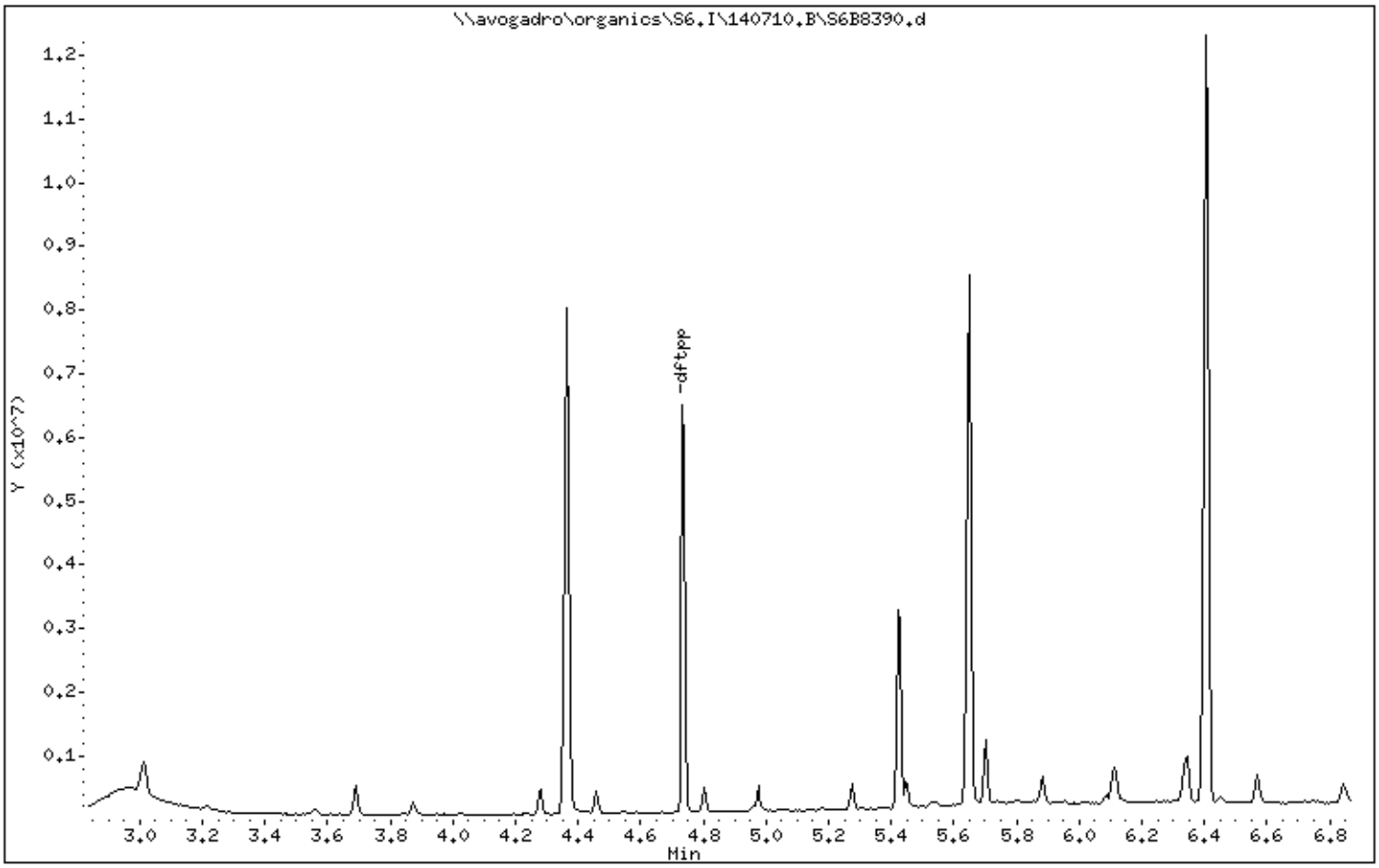
Sample Info: DFTPP6A,DFTPP6A

Volume Injected (uL): 2.0

Operator: TM SRC: TM

Column phase: RXi-5SILMS

Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140710.B\S6B8390.d

Date : 10-JUL-2014 10:11

Client ID: DFTPP6A

Instrument: S6.i

Sample Info: DFTPP6A,DFTPP6A

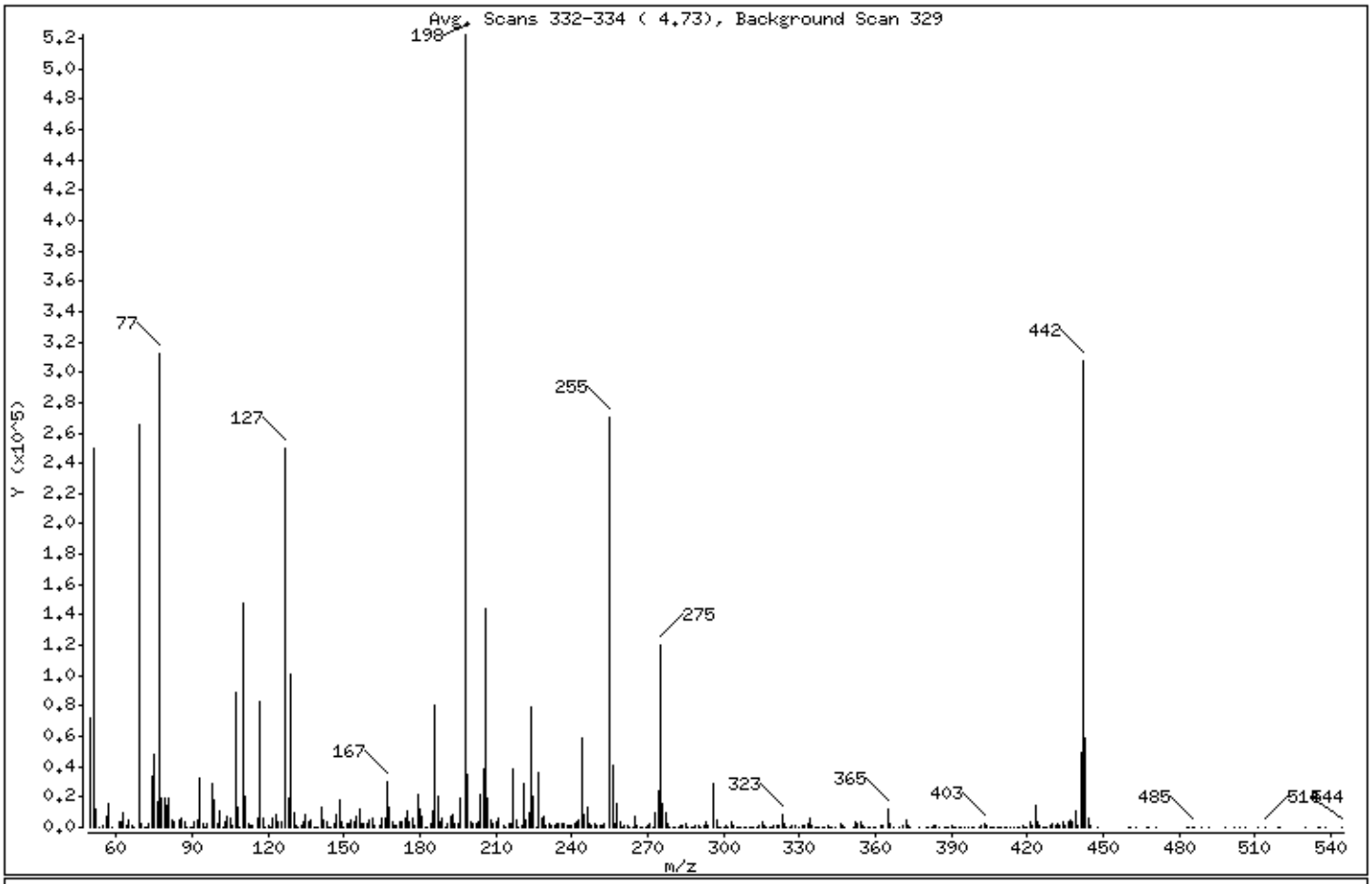
Volume Injected (uL): 2.0

Operator: TM SRC: TM

Column phase: RXi-5SILMS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	47.87
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	50.78
70	Less than 2.00% of mass 69	0.38 (0.75)
127	10.00 - 80.00% of mass 198	47.72
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.70
275	10.00 - 60.00% of mass 198	23.05
365	Greater than 1.00% of mass 198	2.26
441	Present, but less than mass 443	9.42
442	50.00 - 100.00% of mass 198	58.94
443	15.00 - 24.00% of mass 442	11.20 (19.00)

Date : 10-JUL-2014 10:11

Client ID: DFTPP6A Instrument: S6.i

Sample Info: DFTPP6A,DFTPP6A

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8390.d
Spectrum: Avg. Scans 332-334 (4.73), Background Scan 329
Location of Maximum: 198.00
Number of points: 393

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	71904	157.00	2497	260.00	548	366.00	2243
51.00	250112	158.00	2564	261.00	621	367.00	430
52.00	12325	159.00	1845	262.00	716	369.00	427
53.00	421	160.00	4493	263.00	245	371.00	896
55.00	1345	161.00	6080	264.00	180	372.00	4953
56.00	7554	162.00	1288	265.00	7555	373.00	950
57.00	15492	164.00	768	266.00	1334	374.00	302
58.00	319	165.00	5491	267.00	260	377.00	369
61.00	3218	166.00	5635	268.00	461	380.00	73
62.00	3948	167.00	30400	269.00	187	381.00	187
63.00	9809	168.00	13116	270.00	798	382.00	130
64.00	1116	169.00	3295	271.00	1833	383.00	1362
65.00	5086	170.00	1349	272.00	441	384.00	816
66.00	626	171.00	834	273.00	9194	385.00	272
67.00	361	172.00	3251	274.00	23840	387.00	111
69.00	265344	173.00	3381	275.00	120432	388.00	63
70.00	1980	174.00	6079	276.00	15326	389.00	235
71.00	12	175.00	10734	277.00	9617	390.00	729
72.00	541	176.00	3514	278.00	1889	391.00	585
73.00	2368	177.00	6078	279.00	516	392.00	383
74.00	33272	178.00	1525	280.00	390	393.00	408
75.00	48064	179.00	21288	281.00	5	394.00	66
76.00	16768	180.00	12592	282.00	478	395.00	89
77.00	311936	181.00	7500	283.00	1751	397.00	114
78.00	19168	182.00	508	284.00	992	398.00	123
79.00	19312	183.00	384	285.00	1939	399.00	174
80.00	14701	184.00	2390	286.00	282	401.00	382
81.00	19800	185.00	10751	287.00	63	402.00	1383
82.00	5198	186.00	80560	288.00	352	403.00	2421
83.00	4099	187.00	20744	289.00	635	404.00	1028
85.00	5188	188.00	3689	290.00	694	405.00	90
86.00	6196	189.00	5790	291.00	411	406.00	319
87.00	3232	190.00	476	292.00	858	407.00	111
88.00	414	191.00	2288	293.00	3043	408.00	135
89.00	387	192.00	7050	294.00	1325	409.00	287

Date : 10-JUL-2014 10:11

Client ID: DFTPP6A Instrument: S6.i

Sample Info: DFTPP6A,DFTPP6A

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8390.d
Spectrum: Avg. Scans 332-334 (4.73), Background Scan 329
Location of Maximum: 198.00
Number of points: 393

m/z	Y	m/z	Y	m/z	Y	m/z	Y
90.00	150	193.00	7934	296.00	28720	410.00	117
91.00	4018	194.00	2734	297.00	4857	411.00	171
92.00	5057	195.00	1969	298.00	380	412.00	163
93.00	32880	196.00	18792	299.00	243	413.00	290
94.00	1926	198.00	522496	300.00	59	415.00	163
95.00	354	199.00	35008	301.00	824	416.00	5
96.00	2242	200.00	3294	302.00	151	417.00	270
98.00	29000	201.00	2878	303.00	3679	418.00	1012
99.00	17784	202.00	2236	304.00	1359	419.00	184
100.00	2251	203.00	4176	305.00	281	420.00	597
101.00	10349	204.00	21272	306.00	121	421.00	3536
102.00	580	205.00	38272	307.00	73	422.00	842
103.00	3149	206.00	143936	308.00	562	423.00	14257
104.00	7365	207.00	18896	309.00	395	424.00	3538
105.00	5996	208.00	5060	310.00	381	425.00	1246
106.00	1428	209.00	2210	311.00	424	426.00	576
107.00	89016	210.00	4099	312.00	354	427.00	489
108.00	13298	211.00	6158	313.00	458	428.00	565
109.00	408	213.00	1398	314.00	1012	429.00	1566
110.00	147712	214.00	62	315.00	3830	430.00	2409
111.00	20808	215.00	1897	316.00	1526	431.00	1278
112.00	2537	216.00	2729	317.00	204	432.00	2114
113.00	810	217.00	38456	318.00	312	433.00	860
114.00	661	218.00	4840	319.00	257	434.00	3146
116.00	6073	219.00	263	320.00	1015	435.00	1433
117.00	82656	220.00	1150	321.00	1546	436.00	3343
118.00	5420	221.00	29424	322.00	611	437.00	4262
119.00	326	222.00	4851	323.00	8926	438.00	3961
120.00	1054	223.00	9351	324.00	2221	439.00	10457
121.00	262	224.00	79328	325.00	551	440.00	709
122.00	5774	225.00	20896	326.00	266	441.00	49216
123.00	7976	226.00	273	327.00	1700	442.00	307968
124.00	3839	227.00	35936	328.00	1087	443.00	58528
125.00	4128	228.00	5824	330.00	482	444.00	5898
127.00	249344	229.00	7480	331.00	957	445.00	697

Date : 10-JUL-2014 10:11

Client ID: DFTPP6A Instrument: S6.i

Sample Info: DFTPP6A,DFTPP6A

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8390.d
Spectrum: Avg. Scans 332-334 (4.73), Background Scan 329
Location of Maximum: 198.00
Number of points: 393

m/z	Y	m/z	Y	m/z	Y	m/z	Y
128.00	19336	230.00	1158	332.00	772	448.00	60
129.00	100984	231.00	2779	333.00	1916	460.00	149
130.00	9090	232.00	774	334.00	5749	461.00	53
131.00	1507	233.00	1007	335.00	1662	463.00	66
132.00	109	234.00	2375	336.00	295	467.00	109
133.00	657	235.00	2683	337.00	167	468.00	107
134.00	3080	236.00	2090	338.00	219	471.00	144
135.00	8418	237.00	2745	339.00	44	483.00	143
136.00	3517	238.00	893	340.00	308	484.00	52
137.00	4244	239.00	1752	341.00	1411	485.00	171
138.00	566	240.00	1741	342.00	318	486.00	67
139.00	598	241.00	2104	343.00	536	489.00	116
140.00	580	242.00	4152	344.00	423	492.00	71
141.00	13425	243.00	5300	346.00	2240	498.00	54
142.00	4277	244.00	58816	347.00	689	502.00	52
143.00	3274	245.00	7856	348.00	280	504.00	92
144.00	250	246.00	13165	351.00	452	506.00	97
145.00	595	247.00	2487	352.00	3796	511.00	79
146.00	2763	248.00	861	353.00	2065	514.00	218
147.00	7983	249.00	2861	354.00	3131	519.00	57
148.00	17592	250.00	968	355.00	668	520.00	52
149.00	3207	251.00	1746	356.00	264	530.00	152
150.00	366	252.00	700	357.00	568	535.00	77
151.00	2686	253.00	2644	358.00	274	536.00	71
152.00	1910	255.00	270656	359.00	326	538.00	83
153.00	4368	256.00	40880	360.00	401	544.00	50
154.00	3383	257.00	2489	362.00	657		
155.00	7740	258.00	16110	363.00	865		
156.00	12360	259.00	3053	365.00	11797		

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140715A.B\S6B8519.d
Lab Smp Id: DFTPP6G Client Smp ID: DFTPP6G
Inj Date : 15-JUL-2014 15:07
Operator : TM SRC: TM Inst ID: S6.i
Smp Info : DFTPP6G,DFTPP6G
Misc Info :
Comment :
Method : \\avogadro\organics\S6.I\140715A.B\S6_dftppSOM.m
Meth Date : 14-Jul-2014 15:17 tmcdaniel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	2.000	Injection Volume (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.654	4.398	0.256	198	468352			0.00- 100.00	100.00
4.654	4.398	0.256	51	192576			10.00- 80.00	41.12
4.654	4.398	0.256	68	0	0.0	0.0	0.00- 2.00	0.00
4.654	4.398	0.256	69	205056			0.00- 0.00	43.78
4.654	4.398	0.256	70	1259			0.00- 2.00	0.61
4.654	4.398	0.256	127	207296			10.00- 80.00	44.26
4.654	4.398	0.256	197	0	0.0	0.0	0.00- 2.00	0.00
4.654	4.398	0.256	199	32544			5.00- 9.00	6.95
4.654	4.398	0.256	275	110408			10.00- 60.00	23.57
4.654	4.398	0.256	365	12673			1.00- 0.00	2.71
4.654	4.398	0.256	441	54280			0.01- 99.99	86.63
4.654	4.398	0.256	442	324096			50.00- 100.00	69.20
4.654	4.398	0.256	443	62656			15.00- 24.00	19.33

Data File: \\avogadro\organics\S6.I\140715A.B\S6B8519.d

Date : 15-JUL-2014 15:07

Client ID: DFTPP6G

Instrument: S6.i

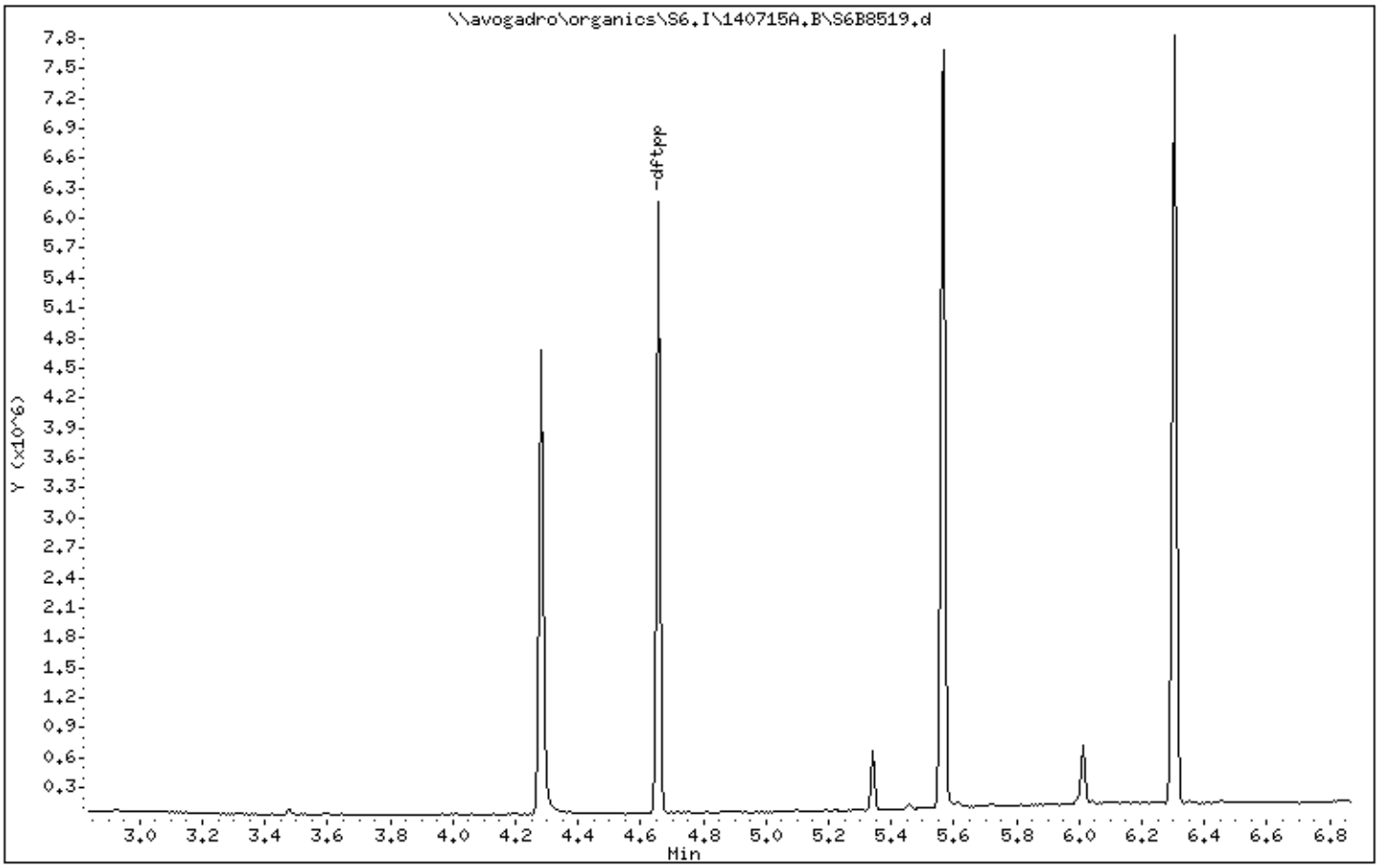
Sample Info: DFTPP6G,DFTPP6G

Volume Injected (uL): 2.0

Operator: TM SRC: TM

Column phase: RXi-5SILMS

Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140715A.B\S6B8519.d

Date : 15-JUL-2014 15:07

Client ID: DFTPP6G

Instrument: S6.i

Sample Info: DFTPP6G,DFTPP6G

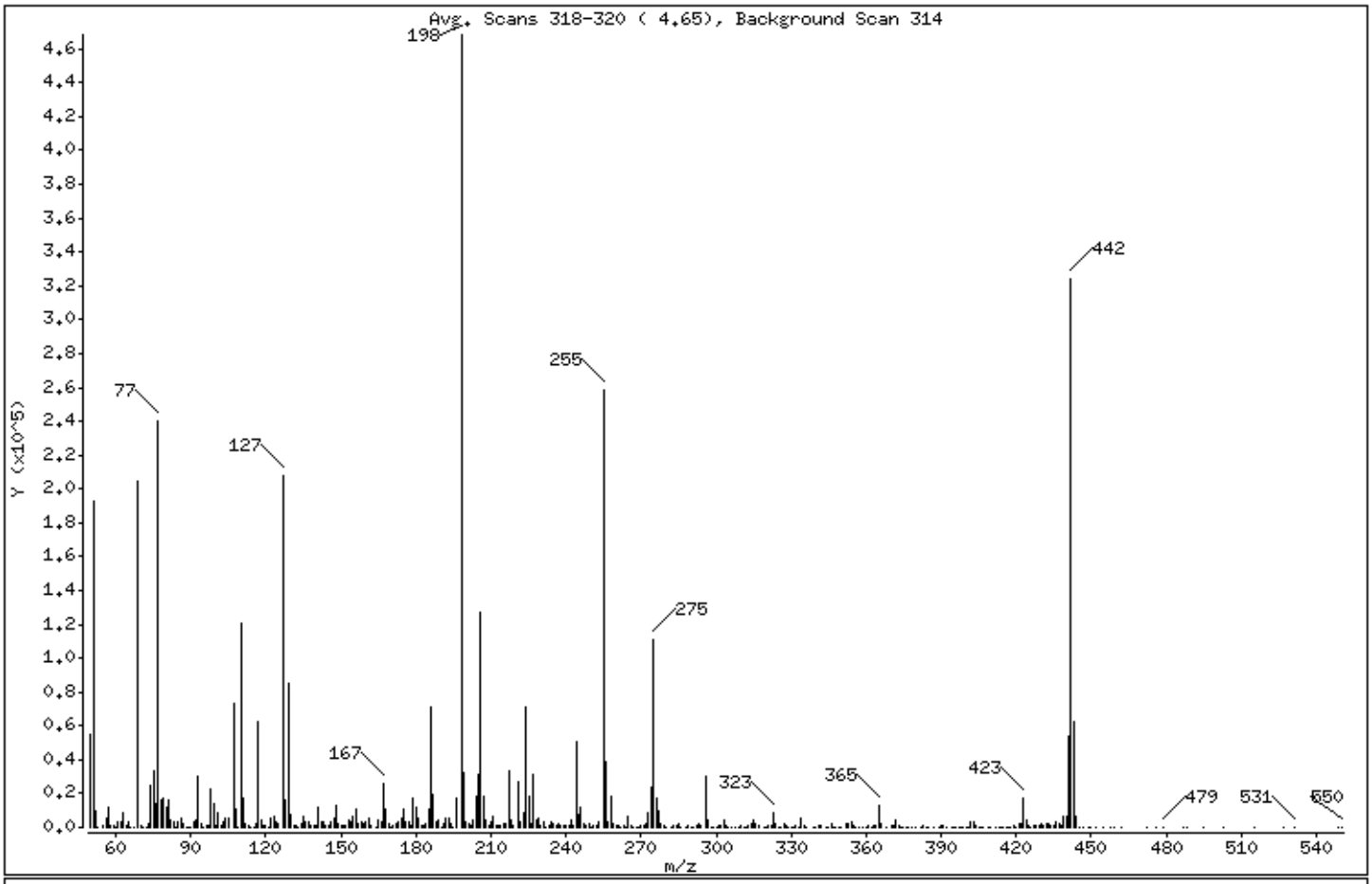
Volume Injected (uL): 2.0

Operator: TM SRC: TM

Column phase: RXi-5SILMS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	41.12
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	43.78
70	Less than 2.00% of mass 69	0.27 (0.61)
127	10.00 - 80.00% of mass 198	44.26
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.95
275	10.00 - 60.00% of mass 198	23.57
365	Greater than 1.00% of mass 198	2.71
441	Present, but less than mass 443	11.59
442	50.00 - 100.00% of mass 198	69.20
443	15.00 - 24.00% of mass 442	13.38 (19.33)

Date : 15-JUL-2014 15:07

Client ID: DFTPP6G Instrument: S6.i

Sample Info: DFTPP6G,DFTPP6G

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8519.d
Spectrum: Avg. Scans 318-320 (4.65), Background Scan 314
Location of Maximum: 198.00
Number of points: 389

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	54736	152.00	878	253.00	3641	362.00	84
51.00	192576	153.00	4812	255.00	258048	363.00	1008
52.00	10157	154.00	2920	256.00	39288	364.00	923
53.00	254	155.00	6662	257.00	3717	365.00	12673
55.00	683	156.00	10760	258.00	18080	366.00	1964
56.00	5577	157.00	1658	259.00	2427	368.00	277
57.00	12255	158.00	3121	260.00	545	370.00	617
58.00	583	159.00	1699	261.00	873	371.00	767
59.00	562	160.00	3476	262.00	233	372.00	4442
60.00	59	161.00	5730	263.00	650	373.00	1202
61.00	2864	162.00	1293	264.00	243	374.00	332
62.00	3192	164.00	77	265.00	6363	375.00	351
63.00	8485	165.00	4130	266.00	568	376.00	73
64.00	1248	166.00	3474	267.00	431	377.00	268
65.00	3406	167.00	26256	268.00	158	378.00	355
66.00	190	168.00	11261	269.00	237	380.00	64
67.00	9	169.00	1808	270.00	1115	382.00	73
69.00	205056	170.00	537	271.00	820	383.00	1335
70.00	1259	171.00	1338	272.00	1995	384.00	231
71.00	220	172.00	2030	273.00	8464	385.00	267
72.00	231	173.00	2989	274.00	23832	387.00	142
73.00	2277	174.00	5163	275.00	110408	389.00	101
74.00	24392	175.00	10269	276.00	17568	390.00	786
75.00	33432	176.00	2722	277.00	9294	391.00	733
76.00	13781	177.00	3703	278.00	1649	392.00	502
77.00	239936	178.00	853	279.00	638	394.00	63
78.00	15684	179.00	17464	280.00	195	395.00	231
79.00	17008	180.00	12017	282.00	262	396.00	87
80.00	12088	181.00	5617	283.00	794	397.00	385
81.00	15644	182.00	1186	284.00	1407	398.00	92
82.00	4500	183.00	698	285.00	1778	399.00	204
83.00	2983	184.00	1855	286.00	417	400.00	44
84.00	433	185.00	11112	288.00	334	401.00	453
85.00	3039	186.00	70648	289.00	627	402.00	2692
86.00	5114	187.00	19648	290.00	513	403.00	3057

Date : 15-JUL-2014 15:07

Client ID: DFTPP6G Instrument: S6.i

Sample Info: DFTPP6G,DFTPP6G

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8519.d
Spectrum: Avg. Scans 318-320 (4.65), Background Scan 314
Location of Maximum: 198.00
Number of points: 389

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	2204	188.00	2848	291.00	473	404.00	1171
88.00	464	189.00	4379	292.00	613	405.00	238
89.00	235	190.00	526	293.00	2129	406.00	206
90.00	106	191.00	2631	294.00	1080	407.00	67
91.00	3092	192.00	5781	296.00	29816	409.00	196
92.00	4712	193.00	5837	297.00	4566	410.00	317
93.00	30096	194.00	1952	298.00	365	412.00	320
94.00	2003	195.00	397	299.00	119	413.00	73
95.00	103	196.00	17040	300.00	214	414.00	157
96.00	1596	198.00	468352	301.00	598	415.00	216
97.00	635	199.00	32544	302.00	1019	416.00	314
98.00	22592	200.00	3147	303.00	4346	417.00	257
99.00	14041	201.00	2395	304.00	1362	418.00	418
100.00	1297	202.00	730	305.00	325	419.00	1287
101.00	8686	203.00	3802	306.00	209	420.00	126
102.00	539	204.00	18688	308.00	510	421.00	2466
103.00	2779	205.00	31632	309.00	331	422.00	2573
104.00	5747	206.00	127200	310.00	597	423.00	17048
105.00	5544	207.00	17800	311.00	351	424.00	4443
107.00	73352	208.00	4508	312.00	97	425.00	623
108.00	10651	209.00	1233	313.00	541	426.00	535
109.00	136	210.00	3629	314.00	1725	427.00	1006
110.00	120056	211.00	6075	315.00	4052	428.00	1164
111.00	17488	212.00	1242	316.00	2155	429.00	1346
112.00	2089	213.00	765	317.00	831	430.00	1841
113.00	640	214.00	626	319.00	179	431.00	924
114.00	275	215.00	2331	320.00	273	432.00	2084
115.00	497	216.00	2389	321.00	1348	433.00	1855
116.00	2302	217.00	33744	322.00	541	434.00	1110
117.00	62192	218.00	3959	323.00	8860	435.00	1303
118.00	4499	219.00	1034	324.00	1977	436.00	3464
119.00	573	221.00	26896	325.00	412	437.00	2414
120.00	1110	222.00	3240	326.00	213	438.00	963
121.00	481	223.00	8560	327.00	1738	439.00	6053
122.00	5580	224.00	71264	328.00	779	440.00	6573

Date : 15-JUL-2014 15:07

Client ID: DFTPP6G Instrument: S6.i

Sample Info: DFTPP6G,DFTPP6G

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8519.d
Spectrum: Avg. Scans 318-320 (4.65), Background Scan 314
Location of Maximum: 198.00
Number of points: 389

m/z	Y	m/z	Y	m/z	Y	m/z	Y
123.00	6371	225.00	18144	329.00	508	441.00	54280
124.00	3007	226.00	1697	330.00	63	442.00	324096
125.00	2581	227.00	31640	331.00	94	443.00	62656
127.00	207296	228.00	4792	332.00	1273	444.00	6368
128.00	16309	229.00	5531	333.00	146	445.00	497
129.00	85528	230.00	1092	334.00	5174	447.00	67
130.00	7045	231.00	2710	335.00	1315	449.00	63
131.00	1214	232.00	64	336.00	124	450.00	71
132.00	1218	233.00	977	339.00	60	452.00	136
133.00	514	234.00	2704	340.00	385	455.00	94
134.00	2495	235.00	1987	341.00	1459	458.00	58
135.00	6861	236.00	1544	342.00	582	459.00	99
136.00	3017	237.00	1890	344.00	289	462.00	50
137.00	3624	238.00	553	345.00	185	472.00	70
138.00	1098	239.00	1312	346.00	2019	476.00	69
139.00	694	240.00	1078	347.00	412	479.00	182
140.00	1555	241.00	1448	348.00	71	487.00	66
141.00	12353	242.00	4788	349.00	394	488.00	52
142.00	3397	243.00	1440	350.00	155	495.00	74
143.00	2816	244.00	51072	352.00	2656	503.00	99
144.00	671	245.00	7845	353.00	2012	515.00	56
145.00	1197	246.00	12178	354.00	3020	527.00	64
146.00	3085	247.00	2496	355.00	1236	531.00	66
147.00	5385	248.00	680	356.00	202	549.00	66
148.00	13203	249.00	2021	357.00	70	550.00	99
149.00	2360	250.00	538	359.00	448		
150.00	1124	251.00	687	360.00	400		
151.00	1603	252.00	1596	361.00	653		

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140716A.B\S6B8578A.d
Lab Smp Id: DFTPP6H Client Smp ID: DFTPP6H
Inj Date : 16-JUL-2014 17:11
Operator : TM SRC: TM Inst ID: S6.i
Smp Info : DFTPP6H,DFTPP6H
Misc Info :
Comment :
Method : \\avogadro\organics\S6.I\140716A.B\S6_dftppSOM.m
Meth Date : 17-Jul-2014 13:45 tmcdaniel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	2.000	Injection Volume (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.631	4.398	0.233	198	409984			0.00- 100.00	100.00
4.631	4.398	0.233	51	166528			10.00- 80.00	40.62
4.631	4.398	0.233	68	0	0.0	0.0	0.00- 2.00	0.00
4.631	4.398	0.233	69	179904			0.00- 0.00	43.88
4.631	4.398	0.233	70	857			0.00- 2.00	0.48
4.631	4.398	0.233	127	183616			10.00- 80.00	44.79
4.631	4.398	0.233	197	0	0.0	0.0	0.00- 2.00	0.00
4.631	4.398	0.233	199	28664			5.00- 9.00	6.99
4.631	4.398	0.233	275	104712			10.00- 60.00	25.54
4.631	4.398	0.233	365	11935			1.00- 0.00	2.91
4.631	4.398	0.233	441	25216			0.01- 99.99	41.61
4.631	4.398	0.233	442	319360			50.00- 100.00	77.90
4.631	4.398	0.233	443	60600			15.00- 24.00	18.98

Data File: \\avogadro\organics\S6.I\140716A.B\S6B8578A.d

Date : 16-JUL-2014 17:11

Client ID: DFTPP6H

Instrument: S6.i

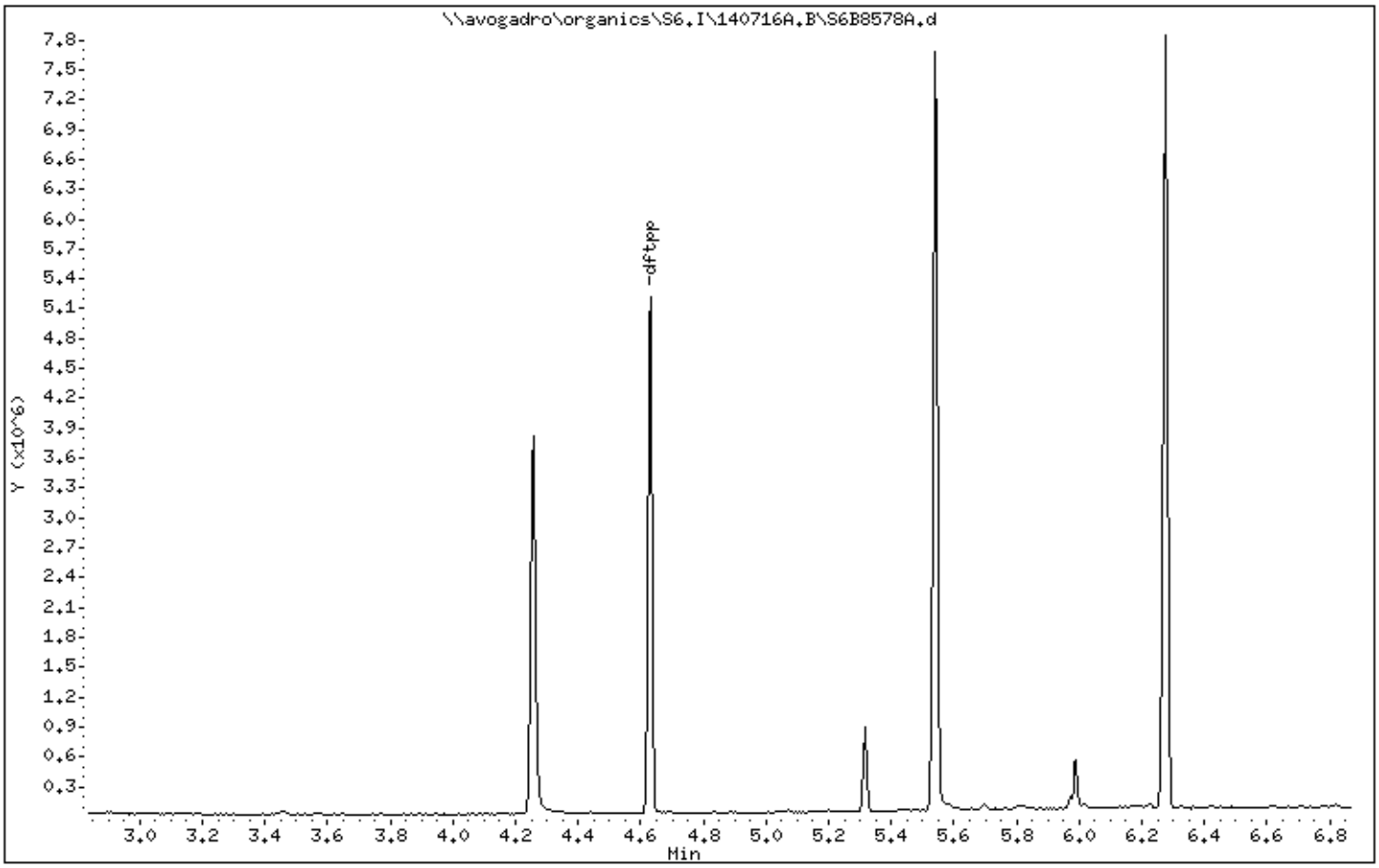
Sample Info: DFTPP6H,DFTPP6H

Volume Injected (uL): 2.0

Operator: TM SRC: TM

Column phase: RXi-5SILMS

Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140716A.B\S6B8578A.d

Date : 16-JUL-2014 17:11

Client ID: DFTPP6H

Instrument: S6.i

Sample Info: DFTPP6H,DFTPP6H

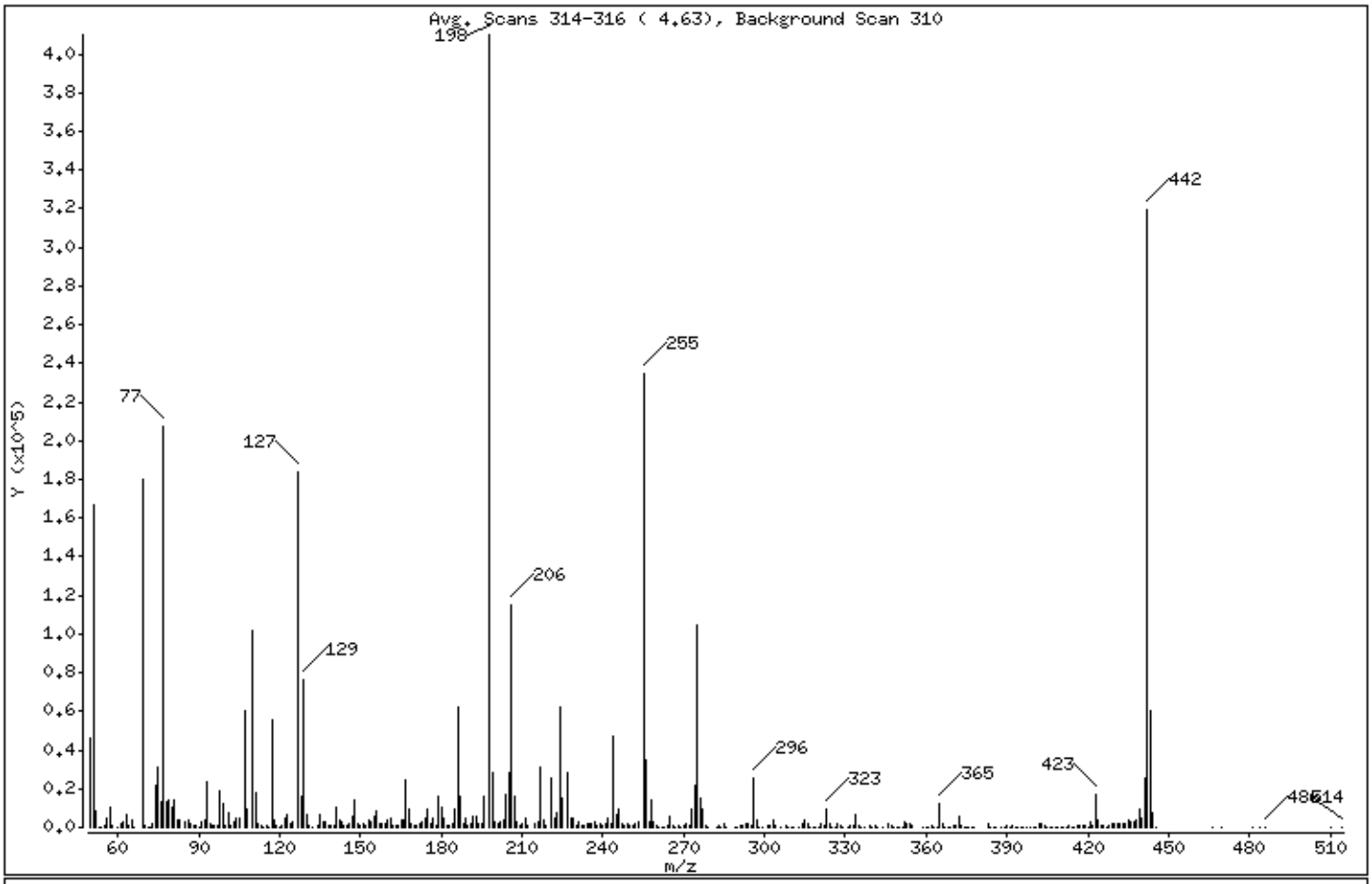
Volume Injected (uL): 2.0

Operator: TM SRC: TM

Column phase: RXi-5SILMS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	40.62
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	43.88
70	Less than 2.00% of mass 69	0.21 (0.48)
127	10.00 - 80.00% of mass 198	44.79
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.99
275	10.00 - 60.00% of mass 198	25.54
365	Greater than 1.00% of mass 198	2.91
441	Present, but less than mass 443	6.15
442	50.00 - 100.00% of mass 198	77.90
443	15.00 - 24.00% of mass 442	14.78 (18.98)

Date : 16-JUL-2014 17:11

Client ID: DFTPP6H Instrument: S6.i

Sample Info: DFTPP6H,DFTPP6H

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8578A.d
Spectrum: Avg. Scans 314-316 (4.63), Background Scan 310
Location of Maximum: 198.00
Number of points: 368

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	46488	151.00	2077	249.00	2106	355.00	999
51.00	166528	152.00	1000	250.00	691	359.00	274
52.00	8288	153.00	3661	251.00	1051	360.00	140
53.00	454	154.00	2481	252.00	1551	361.00	425
54.00	380	155.00	5995	253.00	2917	362.00	700
55.00	1161	156.00	8018	255.00	234496	363.00	359
56.00	4544	157.00	1660	256.00	34968	364.00	441
57.00	10238	158.00	2328	257.00	2462	365.00	11935
58.00	763	159.00	1493	258.00	14399	366.00	1420
60.00	318	160.00	3575	259.00	2651	367.00	371
61.00	1441	161.00	4799	260.00	662	368.00	258
62.00	2753	162.00	1230	261.00	234	369.00	196
63.00	6217	163.00	982	262.00	222	370.00	601
64.00	1324	164.00	622	263.00	102	371.00	486
65.00	3500	165.00	3911	264.00	883	372.00	5252
66.00	326	166.00	3651	265.00	5379	373.00	1177
69.00	179904	167.00	24072	266.00	759	374.00	451
70.00	857	168.00	9849	267.00	368	375.00	103
71.00	150	169.00	1561	268.00	869	376.00	114
72.00	181	170.00	583	269.00	331	377.00	216
73.00	1860	171.00	1398	270.00	829	378.00	68
74.00	21784	172.00	2346	271.00	1423	383.00	1436
75.00	30680	173.00	2831	272.00	1113	384.00	462
76.00	13102	174.00	4645	273.00	9021	385.00	201
77.00	207296	175.00	8991	274.00	22144	386.00	121
78.00	13101	176.00	2293	275.00	104712	388.00	90
79.00	13792	177.00	4685	276.00	15429	389.00	90
80.00	9928	178.00	560	277.00	9795	390.00	881
81.00	14563	179.00	15712	278.00	1347	391.00	389
82.00	3484	180.00	10421	279.00	289	392.00	510
83.00	3406	181.00	4871	282.00	135	393.00	77
85.00	2684	182.00	1205	283.00	1377	394.00	132
86.00	3559	183.00	982	284.00	410	395.00	64
87.00	2142	184.00	1610	285.00	1907	396.00	51
88.00	886	185.00	9380	286.00	409	397.00	318

Date : 16-JUL-2014 17:11

Client ID: DFTPP6H Instrument: S6.i

Sample Info: DFTPP6H,DFTPP6H

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8578A.d
Spectrum: Avg. Scans 314-316 (4.63), Background Scan 310
Location of Maximum: 198.00
Number of points: 368

m/z	Y	m/z	Y	m/z	Y	m/z	Y
89.00	1058	186.00	62096	289.00	331	399.00	54
90.00	68	187.00	16370	290.00	349	400.00	63
91.00	3100	188.00	1672	291.00	585	401.00	129
92.00	4142	189.00	5073	292.00	519	402.00	2141
93.00	23920	190.00	1305	293.00	1991	403.00	1967
94.00	1831	191.00	1939	294.00	1447	404.00	1238
95.00	669	192.00	5932	295.00	1395	405.00	158
96.00	627	193.00	5640	296.00	25888	406.00	63
97.00	865	194.00	2007	297.00	3347	407.00	237
98.00	19144	195.00	1768	298.00	334	408.00	50
99.00	12385	196.00	15681	299.00	79	409.00	136
100.00	603	198.00	409984	301.00	822	410.00	459
101.00	7581	199.00	28664	302.00	680	411.00	141
102.00	729	200.00	2407	303.00	4170	412.00	238
103.00	3217	201.00	1722	304.00	1233	413.00	490
104.00	4894	202.00	2370	306.00	103	414.00	91
105.00	4665	203.00	3716	308.00	587	415.00	105
107.00	60136	204.00	16736	309.00	388	416.00	474
108.00	9694	205.00	27920	310.00	355	417.00	567
110.00	101976	206.00	115040	311.00	265	418.00	764
111.00	17768	207.00	15626	313.00	352	419.00	597
112.00	1872	208.00	3166	314.00	1831	420.00	412
113.00	655	209.00	1336	315.00	3914	421.00	2470
114.00	226	210.00	2329	316.00	1799	422.00	980
115.00	959	211.00	4827	317.00	402	423.00	17000
116.00	403	212.00	649	318.00	261	424.00	3808
117.00	55744	215.00	1701	319.00	69	425.00	833
118.00	3901	216.00	2993	320.00	462	426.00	1199
119.00	543	217.00	31208	321.00	1469	427.00	216
120.00	324	218.00	3636	322.00	1073	428.00	989
121.00	618	219.00	1062	323.00	9087	429.00	1564
122.00	4814	221.00	25776	324.00	1818	430.00	1432
123.00	6720	222.00	4975	325.00	223	431.00	1852
124.00	2310	223.00	8004	326.00	126	432.00	1902
125.00	3183	224.00	62128	327.00	1517	433.00	1859

Date : 16-JUL-2014 17:11

Client ID: DFTPP6H Instrument: S6.i

Sample Info: DFTPP6H,DFTPP6H

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8578A.d
Spectrum: Avg. Scans 314-316 (4.63), Background Scan 310
Location of Maximum: 198.00
Number of points: 368

m/z	Y	m/z	Y	m/z	Y	m/z	Y
127.00	183616	225.00	15269	328.00	666	434.00	1627
128.00	16123	227.00	28360	329.00	340	435.00	3620
129.00	76096	228.00	4719	331.00	154	436.00	2370
130.00	7011	229.00	4939	332.00	919	437.00	2369
131.00	1021	230.00	877	333.00	1083	438.00	3503
132.00	147	231.00	2451	334.00	6958	439.00	9522
134.00	1310	232.00	519	335.00	1397	440.00	4424
135.00	6719	233.00	539	336.00	287	441.00	25216
136.00	2907	234.00	1949	337.00	56	442.00	319360
137.00	3083	235.00	2114	339.00	600	443.00	60600
138.00	864	236.00	1721	340.00	167	444.00	7264
139.00	561	237.00	2412	341.00	1208	445.00	402
140.00	1292	238.00	808	342.00	342	466.00	52
141.00	10033	239.00	1575	344.00	56	470.00	73
142.00	3385	240.00	1301	346.00	1627	481.00	83
143.00	2607	241.00	1656	347.00	625	484.00	51
144.00	802	242.00	4345	348.00	151	486.00	182
145.00	553	243.00	2257	349.00	55	510.00	67
146.00	2165	244.00	47360	350.00	343	514.00	88
147.00	5618	245.00	6502	351.00	410		
148.00	13805	246.00	9524	352.00	3168		
149.00	1779	247.00	2059	353.00	1831		
150.00	823	248.00	714	354.00	2339		

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8616.d
Lab Smp Id: DFTPP6J Client Smp ID: DFTPP6J
Inj Date : 17-JUL-2014 10:31
Operator : TM SRC: TM Inst ID: S6.i
Smp Info : DFTPP6J,DFTPP6J
Misc Info :
Comment :
Method : \\avogadro\organics\S6.I\140717.B\S6_dftppSOM.m
Meth Date : 14-Jul-2014 15:17 tmcdaniel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	2.000	Injection Volume (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.597	4.398	0.199	198	296192			0.00- 100.00	100.00
4.597	4.398	0.199	51	127320			10.00- 80.00	42.99
4.597	4.398	0.199	68	0	0.0	0.0	0.00- 2.00	0.00
4.597	4.398	0.199	69	135808			0.00- 0.00	45.85
4.597	4.398	0.199	70	607			0.00- 2.00	0.45
4.597	4.398	0.199	127	137344			10.00- 80.00	46.37
4.597	4.398	0.199	197	0	0.0	0.0	0.00- 2.00	0.00
4.597	4.398	0.199	199	19528			5.00- 9.00	6.59
4.597	4.398	0.199	275	67048			10.00- 60.00	22.64
4.597	4.398	0.199	365	8178			1.00- 0.00	2.76
4.597	4.398	0.199	441	13522			0.01- 99.99	36.55
4.597	4.398	0.199	442	192640			50.00- 100.00	65.04
4.597	4.398	0.199	443	36992			15.00- 24.00	19.20

Data File: \\avogadro\organics\S6.I\140717.B\S6B8616.d

Date : 17-JUL-2014 10:31

Client ID: DFTPP6J

Instrument: S6.i

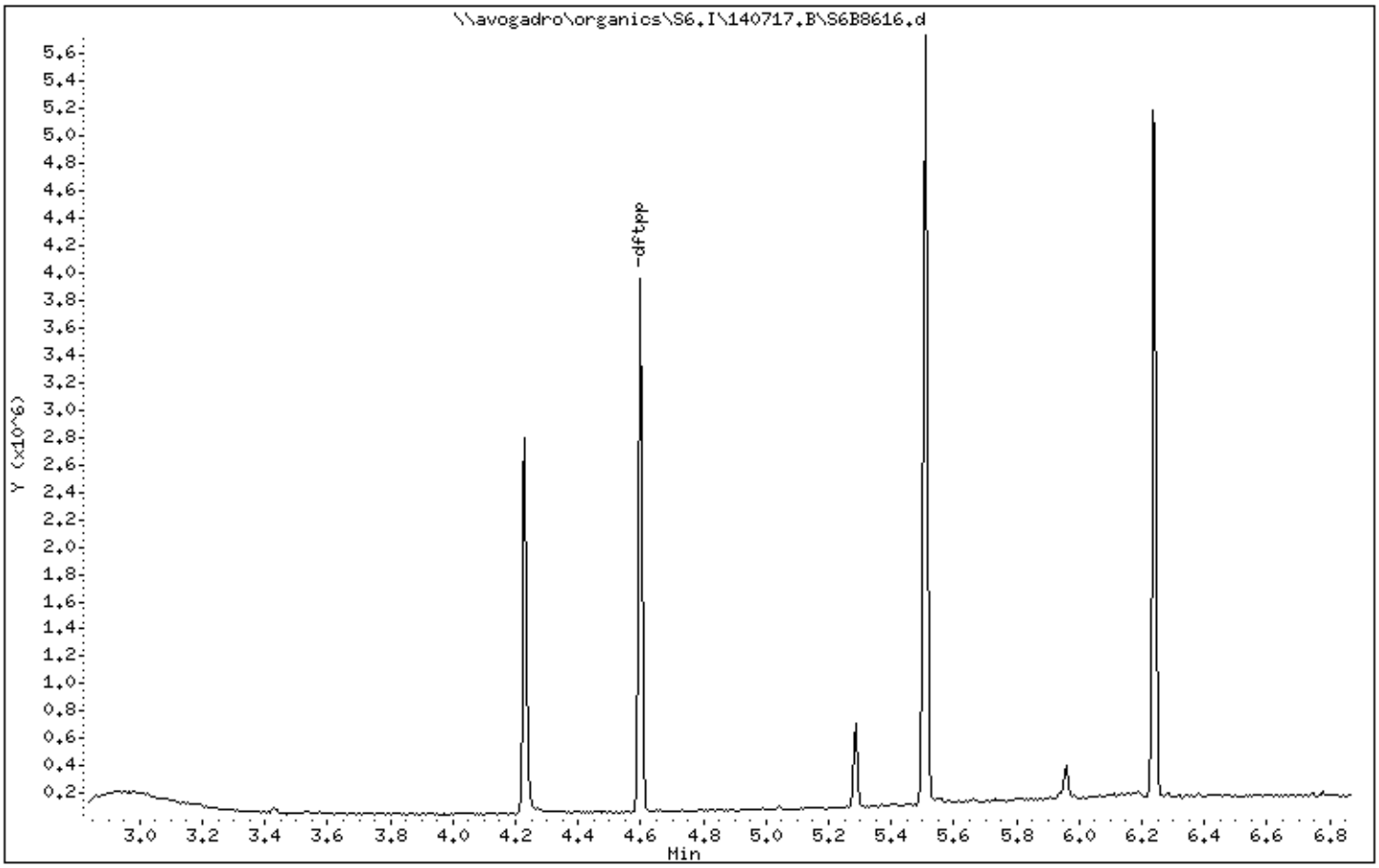
Sample Info: DFTPP6J,DFTPP6J

Volume Injected (uL): 2.0

Operator: TM SRC: TM

Column phase: RXi-5SILMS

Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140717.B\S6B8616.d

Date : 17-JUL-2014 10:31

Client ID: DFTPP6J

Instrument: S6.i

Sample Info: DFTPP6J,DFTPP6J

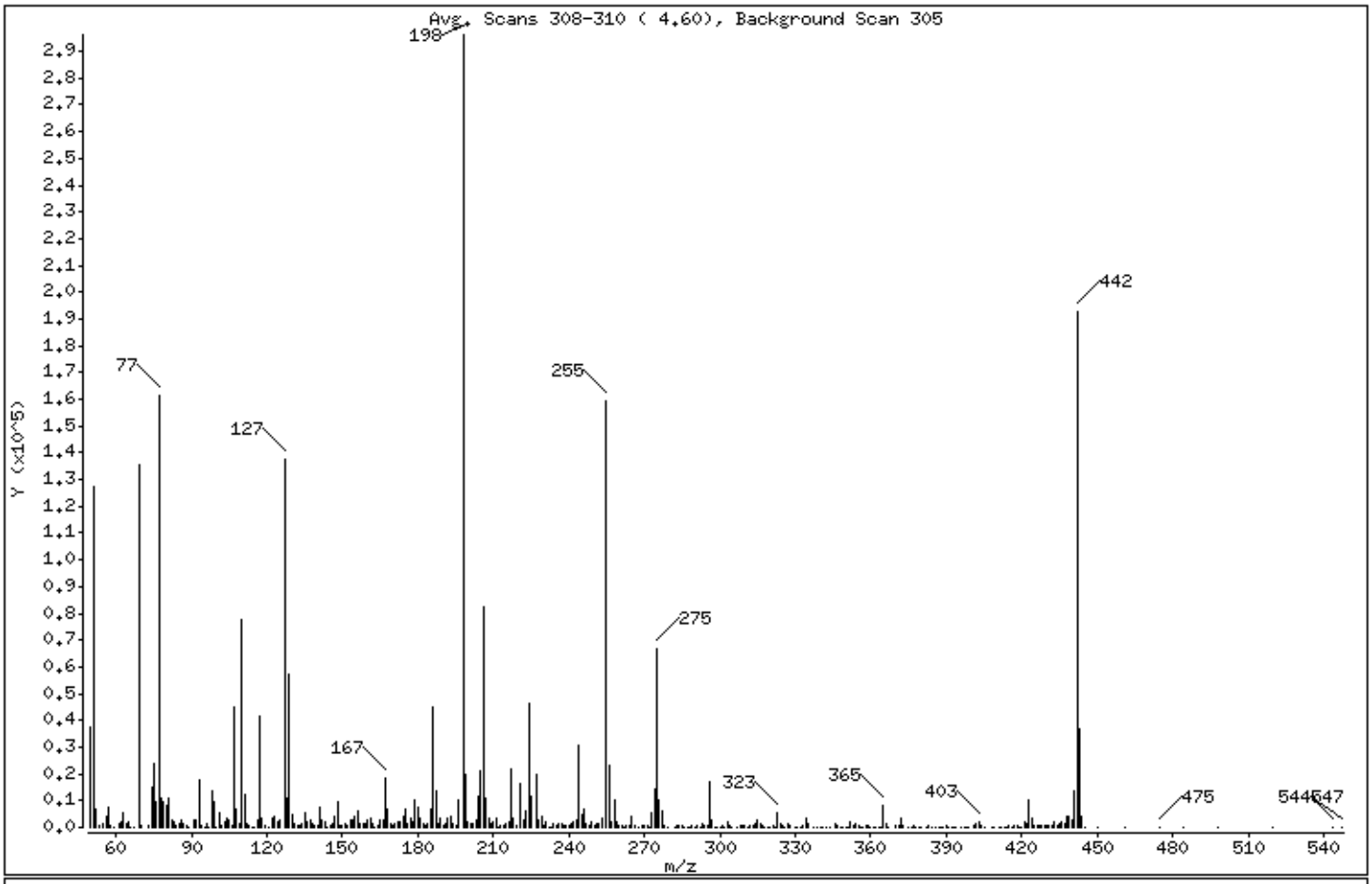
Volume Injected (uL): 2.0

Operator: TM SRC: TM

Column phase: RXi-5SILMS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	42.99
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	45.85
70	Less than 2.00% of mass 69	0.20 (0.45)
127	10.00 - 80.00% of mass 198	46.37
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.59
275	10.00 - 60.00% of mass 198	22.64
365	Greater than 1.00% of mass 198	2.76
441	Present, but less than mass 443	4.57
442	50.00 - 100.00% of mass 198	65.04
443	15.00 - 24.00% of mass 442	12.49 (19.20)

Date : 17-JUL-2014 10:31

Client ID: DFTPP6J Instrument: S6.i

Sample Info: DFTPP6J,DFTPP6J

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8616.d
Spectrum: Avg. Scans 308-310 (4.60), Background Scan 305
Location of Maximum: 198.00
Number of points: 373

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	37760	152.00	847	249.00	1826	353.00	960
51.00	127320	153.00	2580	250.00	798	354.00	1676
52.00	6492	154.00	2425	251.00	1075	355.00	540
53.00	482	155.00	4083	252.00	1166	356.00	114
55.00	1594	156.00	6131	253.00	3744	357.00	239
56.00	4086	157.00	1115	255.00	159168	358.00	373
57.00	7774	158.00	1466	256.00	23416	359.00	353
58.00	927	159.00	1457	257.00	2019	360.00	93
59.00	181	160.00	2742	258.00	10132	361.00	155
61.00	1185	161.00	3359	259.00	1923	362.00	242
62.00	2328	162.00	1501	260.00	634	363.00	280
63.00	5704	163.00	262	261.00	478	364.00	102
64.00	1236	164.00	944	262.00	271	365.00	8178
65.00	2088	165.00	2596	263.00	417	366.00	1164
66.00	246	166.00	2572	264.00	566	367.00	299
67.00	214	167.00	18560	265.00	4118	370.00	653
69.00	135808	168.00	6770	266.00	934	371.00	616
70.00	607	169.00	1309	268.00	20	372.00	3461
73.00	731	170.00	386	269.00	392	373.00	752
74.00	15079	171.00	1078	270.00	936	375.00	174
75.00	23848	172.00	1934	271.00	441	376.00	90
76.00	9456	173.00	1918	272.00	271	377.00	406
77.00	161472	174.00	3893	273.00	5765	378.00	136
78.00	11204	175.00	6492	274.00	14294	379.00	58
79.00	9722	176.00	1499	275.00	67048	380.00	266
80.00	8054	177.00	3077	276.00	10275	382.00	106
81.00	11104	178.00	2199	277.00	6011	383.00	853
82.00	2919	179.00	10326	278.00	966	384.00	128
83.00	2106	180.00	7521	279.00	290	386.00	113
84.00	486	181.00	3646	282.00	70	387.00	77
85.00	1397	182.00	1038	283.00	899	388.00	65
86.00	2663	183.00	488	284.00	542	389.00	120
87.00	1355	184.00	1453	285.00	892	390.00	352
88.00	454	185.00	7020	286.00	220	391.00	217
89.00	139	186.00	44640	287.00	217	392.00	70

Date : 17-JUL-2014 10:31

Client ID: DFTPP6J Instrument: S6.i

Sample Info: DFTPP6J,DFTPP6J

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8616.d
Spectrum: Avg. Scans 308-310 (4.60), Background Scan 305
Location of Maximum: 198.00
Number of points: 373

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	2392	187.00	13431	288.00	129	393.00	160
92.00	2836	188.00	1072	289.00	476	394.00	51
93.00	17768	189.00	3261	290.00	134	396.00	22
94.00	944	190.00	460	291.00	500	397.00	163
95.00	245	191.00	1504	292.00	241	398.00	187
96.00	1093	192.00	3646	293.00	1432	399.00	114
97.00	155	193.00	4106	294.00	437	401.00	353
98.00	13487	194.00	1467	295.00	493	402.00	1131
99.00	9763	195.00	811	296.00	17040	403.00	2176
100.00	215	196.00	9909	297.00	2604	404.00	607
101.00	5217	198.00	296192	298.00	152	405.00	61
102.00	356	199.00	19528	299.00	121	408.00	55
103.00	1817	200.00	1802	300.00	149	409.00	93
104.00	3487	201.00	1112	301.00	341	411.00	319
105.00	2876	202.00	1445	302.00	238	412.00	333
106.00	704	203.00	2515	303.00	1768	413.00	115
107.00	44600	204.00	11354	304.00	886	414.00	185
108.00	6574	205.00	21064	305.00	163	415.00	359
109.00	1130	206.00	82696	307.00	239	416.00	311
110.00	77768	207.00	11158	308.00	476	417.00	380
111.00	12167	208.00	3307	309.00	395	418.00	424
112.00	1048	209.00	1105	310.00	393	419.00	306
113.00	358	210.00	2210	311.00	140	420.00	211
114.00	173	211.00	3531	312.00	377	421.00	1869
115.00	64	212.00	144	313.00	341	422.00	1594
116.00	2950	213.00	504	314.00	1207	423.00	10497
117.00	41240	214.00	346	315.00	2427	424.00	3668
118.00	3594	215.00	1027	316.00	1153	425.00	540
119.00	479	216.00	1736	317.00	385	426.00	612
121.00	98	217.00	21896	318.00	191	427.00	930
122.00	3594	218.00	3308	319.00	166	428.00	633
123.00	4305	219.00	514	320.00	207	429.00	903
124.00	1839	221.00	16309	321.00	575	430.00	723
125.00	2886	222.00	3023	322.00	107	431.00	770
127.00	137344	223.00	6045	323.00	5362	432.00	930

Date : 17-JUL-2014 10:31

Client ID: DFTPP6J Instrument: S6.i

Sample Info: DFTPP6J,DFTPP6J

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8616.d
Spectrum: Avg. Scans 308-310 (4.60), Background Scan 305
Location of Maximum: 198.00
Number of points: 373

m/z	Y	m/z	Y	m/z	Y	m/z	Y
128.00	10595	224.00	46496	324.00	1466	433.00	1710
129.00	57136	225.00	11484	325.00	625	434.00	996
130.00	4930	227.00	19496	326.00	199	435.00	1211
131.00	1106	228.00	2981	327.00	1608	436.00	2031
132.00	644	229.00	4413	328.00	741	437.00	1518
133.00	549	230.00	598	330.00	75	438.00	4137
134.00	1475	231.00	2129	331.00	250	439.00	3871
135.00	5121	232.00	80	332.00	324	440.00	2908
136.00	2287	233.00	273	333.00	988	441.00	13522
137.00	2576	234.00	1192	334.00	3227	442.00	192640
138.00	1211	235.00	914	335.00	1129	443.00	36992
139.00	725	236.00	1087	337.00	131	444.00	4247
140.00	935	237.00	1187	339.00	74	445.00	268
141.00	7777	238.00	667	340.00	146	450.00	60
142.00	2429	239.00	903	341.00	120	461.00	87
143.00	1868	240.00	924	342.00	236	475.00	124
144.00	210	241.00	1315	344.00	223	484.00	100
145.00	369	242.00	2334	346.00	1415	498.00	53
146.00	1584	243.00	2589	347.00	496	520.00	52
147.00	3817	244.00	30616	348.00	236	544.00	59
148.00	9465	245.00	4611	349.00	177	547.00	54
149.00	880	246.00	6714	350.00	242		
150.00	661	247.00	1523	351.00	64		
151.00	1455	248.00	475	352.00	1768		

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140718.B\S6B8648.d
Lab Smp Id: DFTPP6K Client Smp ID: DFTPP6K
Inj Date : 18-JUL-2014 11:20
Operator : TM SRC: TM Inst ID: S6.i
Smp Info : DFTPP6K,DFTPP6K
Misc Info :
Comment :
Method : \\avogadro\organics\S6.I\140718.B\S6_dftppSOM.m
Meth Date : 21-Jul-2014 13:12 tmcdaniel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	2.000	Injection Volume (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.569	4.398	0.171	198	268032			0.00- 100.00	100.00
4.569	4.398	0.171	51	115616			10.00- 80.00	43.14
4.569	4.398	0.171	68	0	0.0	0.0	0.00- 2.00	0.00
4.569	4.398	0.171	69	124520			0.00- 0.00	46.46
4.569	4.398	0.171	70	515			0.00- 2.00	0.41
4.569	4.398	0.171	127	118920			10.00- 80.00	44.37
4.569	4.398	0.171	197	1592			0.00- 2.00	0.59
4.569	4.398	0.171	199	16592			5.00- 9.00	6.19
4.569	4.398	0.171	275	68680			10.00- 60.00	25.62
4.569	4.398	0.171	365	9713			1.00- 0.00	3.62
4.569	4.398	0.171	441	13730			0.01- 99.99	37.72
4.569	4.398	0.171	442	182464			50.00- 100.00	68.08
4.569	4.398	0.171	443	36400			15.00- 24.00	19.95

Data File: \\avogadro\organics\S6.I\140718.B\S6B8648.d

Date : 18-JUL-2014 11:20

Client ID: DFTPP6K

Instrument: S6.i

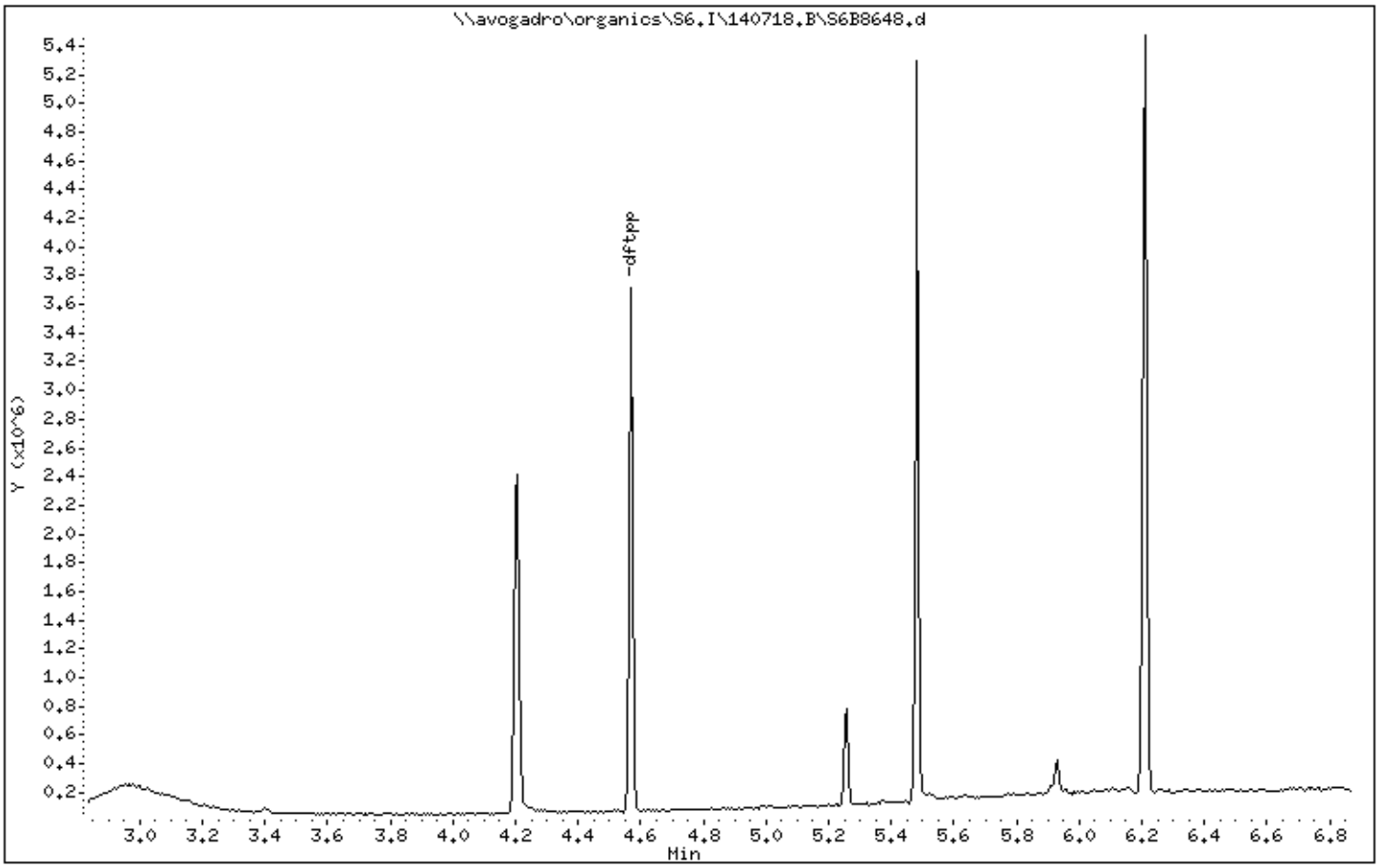
Sample Info: DFTPP6K,DFTPP6K

Volume Injected (uL): 2.0

Operator: TM SRC: TM

Column phase: RXi-5SILMS

Column diameter: 0.25



Data File: \\avogadro\organics\S6.I\140718.B\S6B8648.d

Date : 18-JUL-2014 11:20

Client ID: DFTPP6K

Instrument: S6.i

Sample Info: DFTPP6K,DFTPP6K

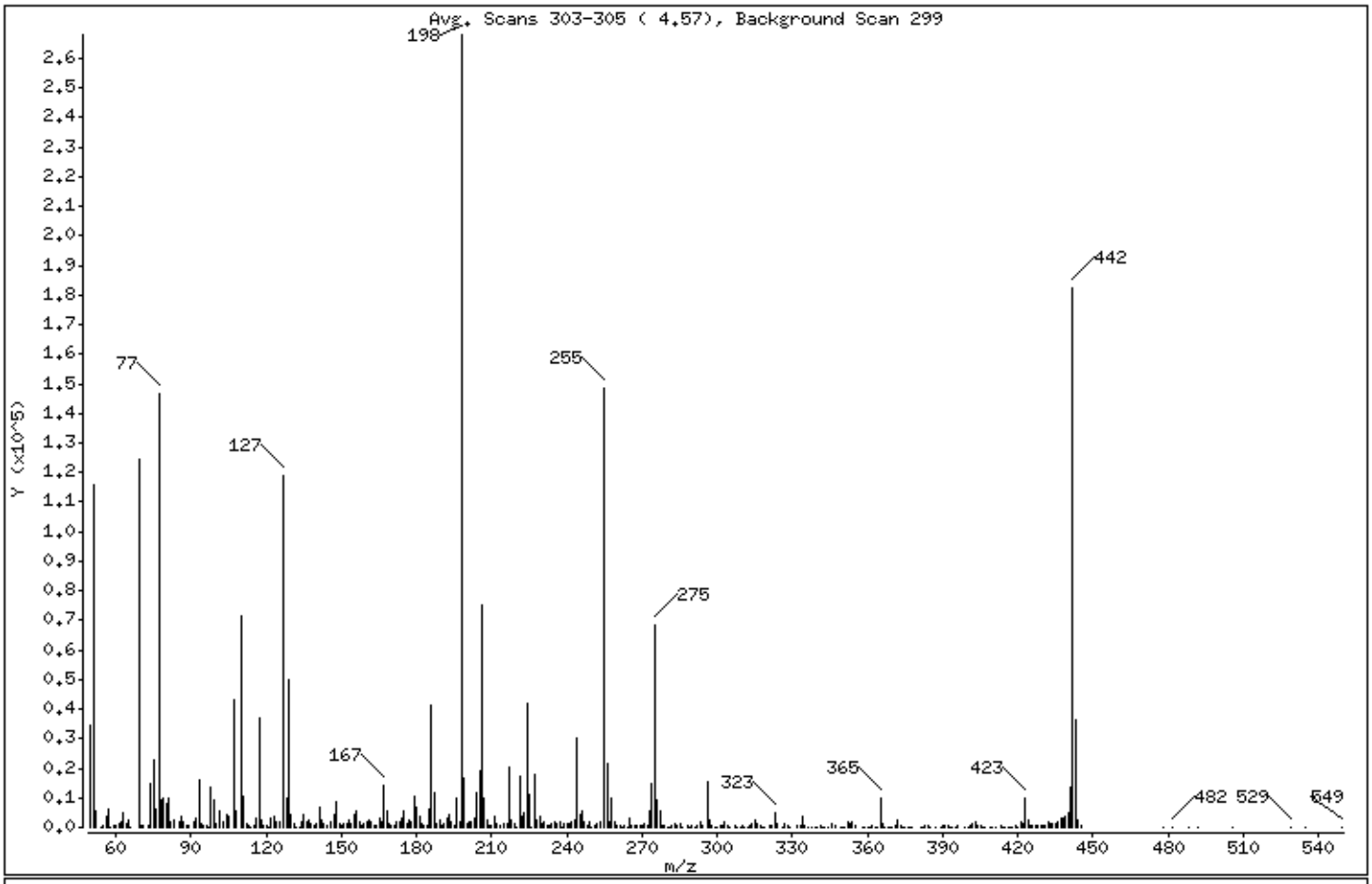
Volume Injected (uL): 2.0

Operator: TM SRC: TM

Column phase: RXi-5SILMS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	43.14
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	46.46
70	Less than 2.00% of mass 69	0.19 (0.41)
127	10.00 - 80.00% of mass 198	44.37
197	Less than 2.00% of mass 198	0.59
199	5.00 - 9.00% of mass 198	6.19
275	10.00 - 60.00% of mass 198	25.62
365	Greater than 1.00% of mass 198	3.62
441	Present, but less than mass 443	5.12
442	50.00 - 100.00% of mass 198	68.08
443	15.00 - 24.00% of mass 442	13.58 (19.95)

Date : 18-JUL-2014 11:20

Client ID: DFTPP6K Instrument: S6.i

Sample Info: DFTPP6K,DFTPP6K

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8648.d
Spectrum: Avg. Scans 303-305 (4.57), Background Scan 299
Location of Maximum: 198.00
Number of points: 371

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	34496	154.00	1102	248.00	396	352.00	1941
51.00	115616	155.00	4060	249.00	1852	353.00	1394
52.00	5472	156.00	5286	250.00	219	354.00	2148
54.00	40	157.00	1626	251.00	731	355.00	517
55.00	427	158.00	786	252.00	933	358.00	36
56.00	3804	159.00	975	253.00	1611	359.00	240
57.00	6391	160.00	2013	255.00	148480	360.00	225
58.00	169	161.00	2732	256.00	21584	361.00	160
59.00	389	162.00	1600	257.00	1860	362.00	331
60.00	666	163.00	770	258.00	9649	363.00	187
61.00	1244	164.00	402	259.00	1588	364.00	273
62.00	2153	165.00	2794	260.00	379	365.00	9713
63.00	4904	166.00	2015	261.00	357	366.00	1363
64.00	945	167.00	14275	262.00	308	367.00	52
65.00	2535	168.00	5828	263.00	393	368.00	221
66.00	186	169.00	1535	264.00	135	369.00	188
69.00	124520	170.00	366	265.00	3093	370.00	188
70.00	515	171.00	511	266.00	747	371.00	684
71.00	372	172.00	1557	267.00	357	372.00	2628
73.00	378	173.00	1683	268.00	369	373.00	438
74.00	14732	174.00	3118	269.00	437	374.00	70
75.00	22936	175.00	5835	270.00	800	375.00	51
76.00	6113	176.00	1415	271.00	1249	376.00	114
77.00	146496	177.00	2428	272.00	706	377.00	68
78.00	9505	178.00	1659	273.00	5387	378.00	65
79.00	9701	179.00	10614	274.00	14746	381.00	86
80.00	8080	180.00	6974	275.00	68680	382.00	145
81.00	9831	181.00	3862	276.00	8972	383.00	558
82.00	2135	182.00	963	277.00	5694	384.00	514
83.00	2236	183.00	855	278.00	892	385.00	191
85.00	2070	184.00	699	279.00	345	387.00	71
86.00	3661	185.00	5948	280.00	160	389.00	156
87.00	1743	186.00	41336	281.00	7	390.00	749
88.00	581	187.00	11879	282.00	448	391.00	660
89.00	412	188.00	1301	283.00	1063	392.00	313

Date : 18-JUL-2014 11:20

Client ID: DFTPP6K Instrument: S6.i

Sample Info: DFTPP6K,DFTPP6K

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8648.d
Spectrum: Avg. Scans 303-305 (4.57), Background Scan 299
Location of Maximum: 198.00
Number of points: 371

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	1859	189.00	2647	284.00	808	393.00	224
92.00	3137	190.00	600	285.00	1375	394.00	55
93.00	16266	191.00	1166	286.00	242	395.00	74
94.00	1295	192.00	2986	288.00	351	396.00	437
95.00	855	193.00	4275	289.00	296	399.00	104
96.00	534	194.00	1554	290.00	430	400.00	202
97.00	207	195.00	466	291.00	280	401.00	366
98.00	13488	196.00	10002	292.00	353	402.00	1075
99.00	9188	197.00	1592	293.00	1709	403.00	1742
100.00	962	198.00	268032	294.00	598	404.00	477
101.00	5394	199.00	16592	296.00	15455	405.00	328
103.00	2113	200.00	1141	297.00	2355	406.00	53
104.00	4111	201.00	1884	298.00	410	407.00	151
105.00	3547	202.00	1666	299.00	82	409.00	125
107.00	43256	203.00	2931	300.00	78	410.00	172
108.00	5486	204.00	11711	301.00	709	411.00	93
110.00	71640	205.00	18880	302.00	779	413.00	397
111.00	10734	206.00	75360	303.00	1885	414.00	73
112.00	1394	207.00	9840	304.00	743	415.00	194
113.00	509	208.00	2194	305.00	94	416.00	308
114.00	173	209.00	825	307.00	393	417.00	234
115.00	570	210.00	688	308.00	178	418.00	294
116.00	3138	211.00	3453	309.00	63	419.00	347
117.00	37152	212.00	1270	310.00	440	420.00	306
118.00	2729	213.00	414	311.00	61	421.00	1549
119.00	517	215.00	946	312.00	64	422.00	1194
120.00	513	216.00	1493	313.00	580	423.00	9916
121.00	32	217.00	20336	314.00	1360	424.00	2344
122.00	3036	218.00	2715	315.00	2248	425.00	578
123.00	3653	219.00	1053	316.00	1144	426.00	335
124.00	1966	220.00	192	317.00	330	427.00	707
125.00	1722	221.00	16952	318.00	96	428.00	702
127.00	118920	222.00	3552	319.00	223	429.00	834
128.00	9601	223.00	5236	321.00	698	430.00	844
129.00	50104	224.00	42088	322.00	767	431.00	803

Date : 18-JUL-2014 11:20

Client ID: DFTPP6K Instrument: S6.i

Sample Info: DFTPP6K,DFTPP6K

Volume Injected (uL): 2.0 Operator: TM SRC: TM

Column phase: RXi-5SILMS Column diameter: 0.25

Data File: S6B8648.d
Spectrum: Avg. Scans 303-305 (4.57), Background Scan 299
Location of Maximum: 198.00
Number of points: 371

m/z	Y	m/z	Y	m/z	Y	m/z	Y
130.00	4537	225.00	11142	323.00	5173	432.00	1554
131.00	1145	226.00	200	324.00	1140	433.00	1320
132.00	263	227.00	17944	326.00	206	434.00	985
133.00	79	228.00	2729	327.00	1102	435.00	1197
134.00	1904	229.00	3406	328.00	478	436.00	2053
135.00	4271	230.00	959	329.00	133	437.00	2806
136.00	1646	231.00	1781	332.00	753	438.00	2920
137.00	2772	232.00	371	333.00	708	439.00	3463
138.00	1207	233.00	408	334.00	3866	440.00	5124
139.00	727	234.00	1359	335.00	781	441.00	13730
140.00	981	235.00	1715	336.00	67	442.00	182464
141.00	7062	236.00	977	338.00	77	443.00	36400
142.00	2720	237.00	1673	339.00	154	444.00	2210
143.00	1153	238.00	270	340.00	163	445.00	379
144.00	497	239.00	1092	341.00	561	478.00	85
146.00	1722	240.00	976	342.00	214	482.00	103
147.00	4334	241.00	1337	343.00	98	488.00	81
148.00	8621	242.00	2066	344.00	85	492.00	53
149.00	1340	243.00	2204	346.00	1159	506.00	102
150.00	358	244.00	30112	347.00	329	529.00	61
151.00	1180	245.00	4350	349.00	264	535.00	59
152.00	1035	246.00	5600	350.00	275	549.00	87
153.00	2282	247.00	1844	351.00	231		

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78060

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-78060

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8521.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/14/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Data File: \\avogadro\organics\S6.I\140715A.B\S6B8521.d
Report Date: 16-Jul-2014 12:50

Spectrum Analytical, Inc. RI Division

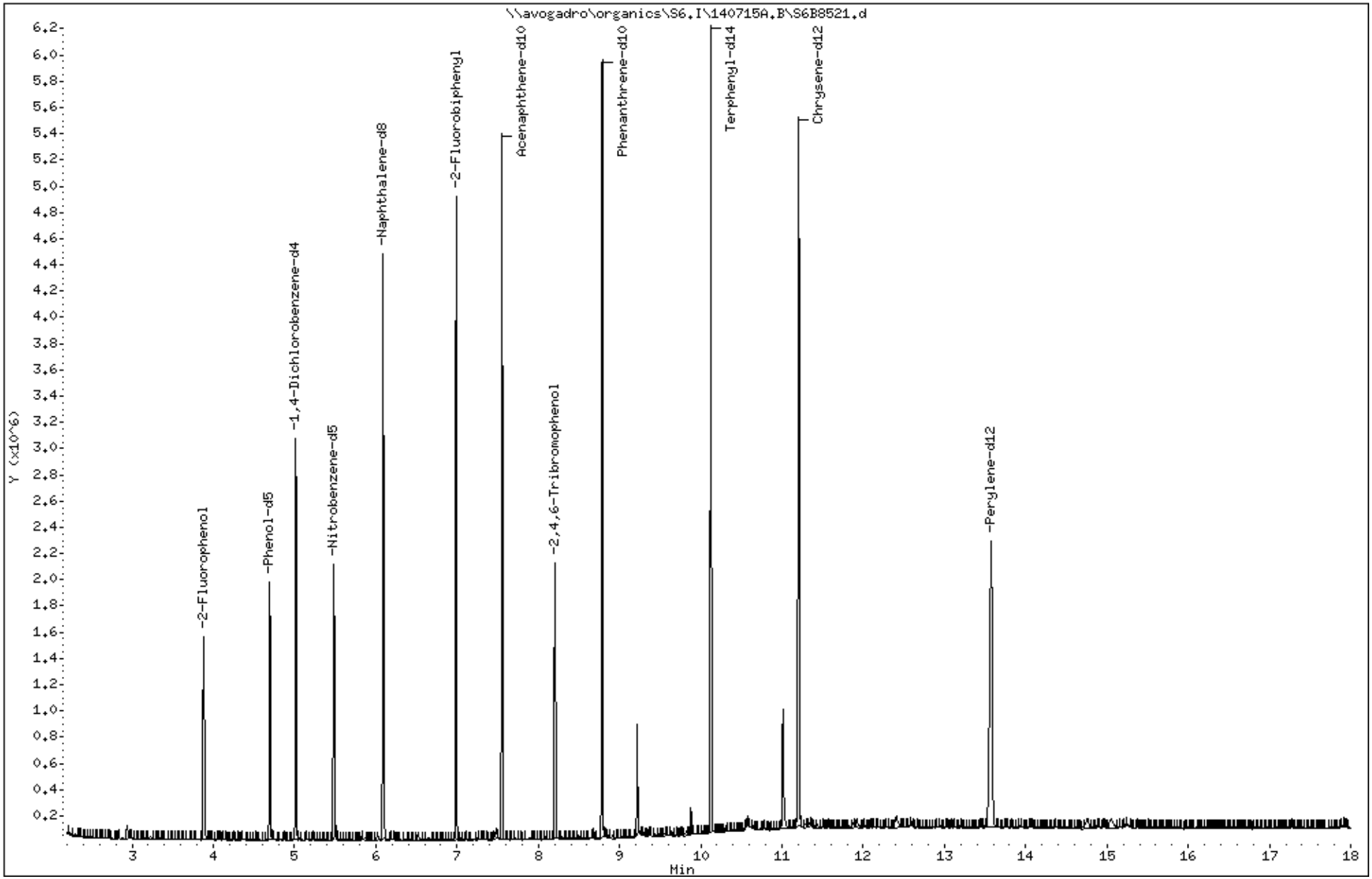
Data file : \\avogadro\organics\S6.I\140715A.B\S6B8521.d
Lab Smp Id: MB-78060 Client Smp ID: MB-78060
Inj Date : 15-JUL-2014 16:01
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : MB-78060,MB-78060,78060
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140715A.B\S6_8270C_N.m
Meth Date : 16-Jul-2014 12:50 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	3 2-Fluorophenol	112	3.879	3.885	(0.774)	419404	29.4751	29
$	5 Phenol-d5	99	4.696	4.702	(0.937)	569838	31.3697	31
*	12 1,4-Dichlorobenzene-d4	152	5.013	5.019	(1.000)	429579	40.0000	
$	22 Nitrobenzene-d5	82	5.483	5.483	(0.900)	588942	36.1888	36
*	31 Naphthalene-d8	136	6.094	6.094	(1.000)	1578930	40.0000	
$	41 2-Fluorobiphenyl	172	6.987	6.987	(0.925)	1258982	33.0594	33
*	48 Acenaphthene-d10	164	7.557	7.557	(1.000)	1088215	40.0000	
$	60 2,4,6-Tribromophenol	330	8.209	8.209	(0.934)	177802	34.3143	34
*	64 Phenanthrene-d10	188	8.791	8.791	(1.000)	2250720	40.0000	
$	72 Terphenyl-d14	244	10.125	10.137	(0.904)	1731113	35.8422	36
*	76 Chrysene-d12	240	11.206	11.223	(1.000)	2414399	40.0000	
*	83 Perylene-d12	264	13.574	13.597	(1.000)	1900772	40.0000	

Data File: \\avogadro\organics\S6.I\140715A.B\S6B8521.d
Date : 15-JUL-2014 16:01
Client ID: MB-78060
Instrument: S6.i
Sample Info: MB-78060,MB-78060,78060
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78074

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-78074

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8586.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

Data File: \\avogadro\organics\S6.I\140716A.B\S6B8586.d
Report Date: 17-Jul-2014 13:47

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140716A.B\S6B8586.d
Lab Smp Id: MB-78074 Client Smp ID: MB-78074
Inj Date : 16-JUL-2014 20:28
Operator : TM SRC: LIMS Inst ID: S6.i
Smp Info : MB-78074,MB-78074,78074
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140716A.B\S6_8270C_N.m
Meth Date : 17-Jul-2014 13:45 tmcdaniel Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

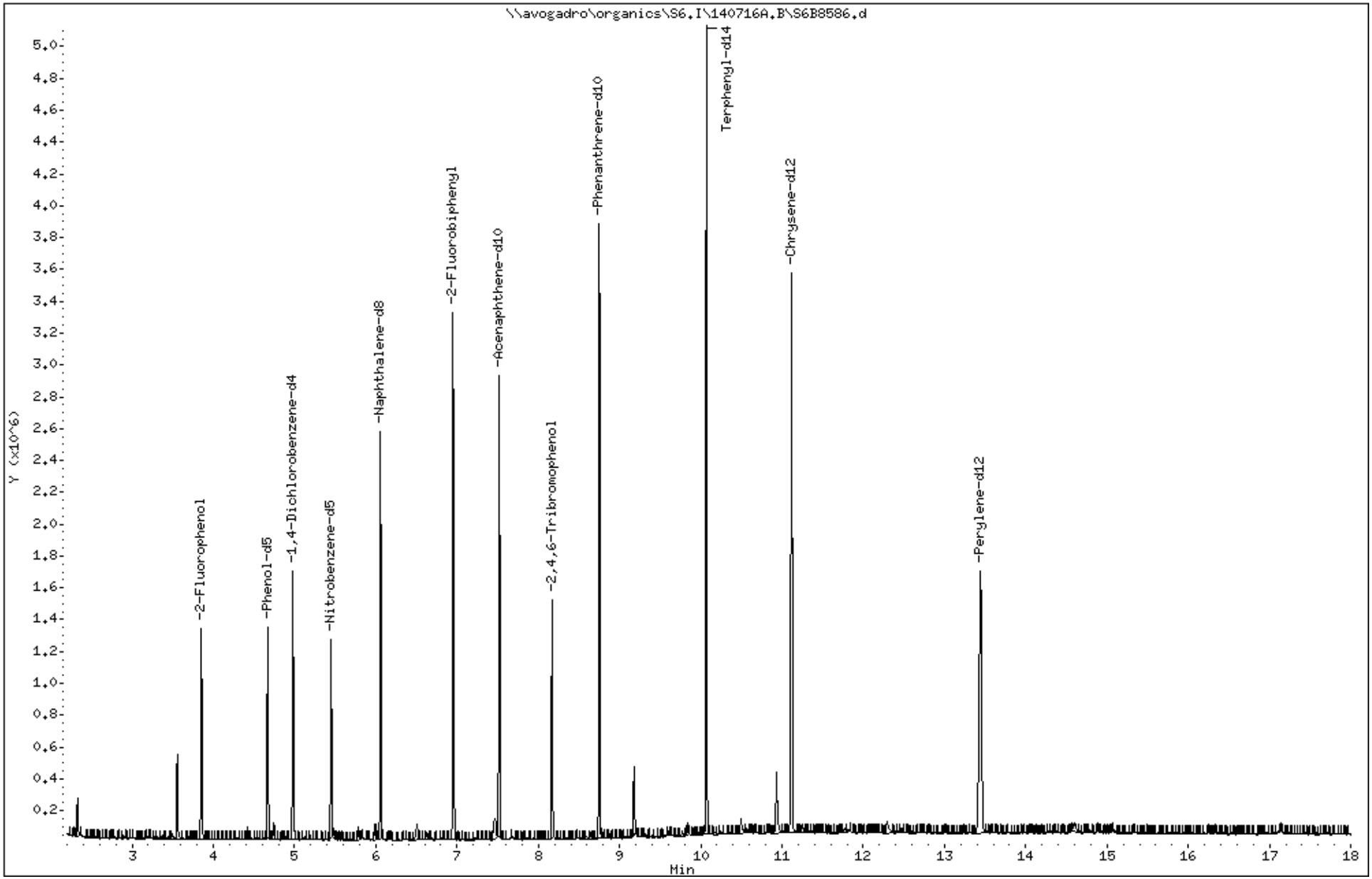
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$ 109 1,4-Dioxane-d8	96	2.328	2.328	(0.467)	50143	18.9023	1300(Q)
$ 3 2-Fluorophenol	112	3.856	3.850	(0.774)	320711	42.2460	2800
$ 5 Phenol-d5	99	4.672	4.666	(0.938)	415520	42.8746	2800
* 12 1,4-Dichlorobenzene-d4	152	4.984	4.984	(1.000)	229189	40.0000	
$ 22 Nitrobenzene-d5	82	5.454	5.454	(0.900)	391899	43.3403	2900
* 31 Naphthalene-d8	136	6.059	6.065	(1.000)	877299	40.0000	
$ 41 2-Fluorobiphenyl	172	6.952	6.958	(0.924)	858987	39.6256	2600
* 48 Acenaphthene-d10	164	7.522	7.522	(1.000)	619443	40.0000	
$ 60 2,4,6-Tribromophenol	330	8.174	8.174	(0.934)	124511	40.5465	2700
* 64 Phenanthrene-d10	188	8.750	8.756	(1.000)	1333872	40.0000	
$ 72 Terphenyl-d14	244	10.066	10.090	(0.901)	1297923	43.1047	2900
* 76 Chrysene-d12	240	11.118	11.171	(1.000)	1505227	40.0000	(H)
* 83 Perylene-d12	264	13.444	13.515	(1.000)	1310608	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140716A.B\S6B8586.d
Date : 16-JUL-2014 20:28
Client ID: MB-78074
Instrument: S6.i
Sample Info: MB-78074,MB-78074,78074
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78076

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-78076

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8650.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

Data File: \\avogadro\organics\S6.I\140718.B\S6B8650.d
Report Date: 21-Jul-2014 13:14

Spectrum Analytical, Inc. RI Division

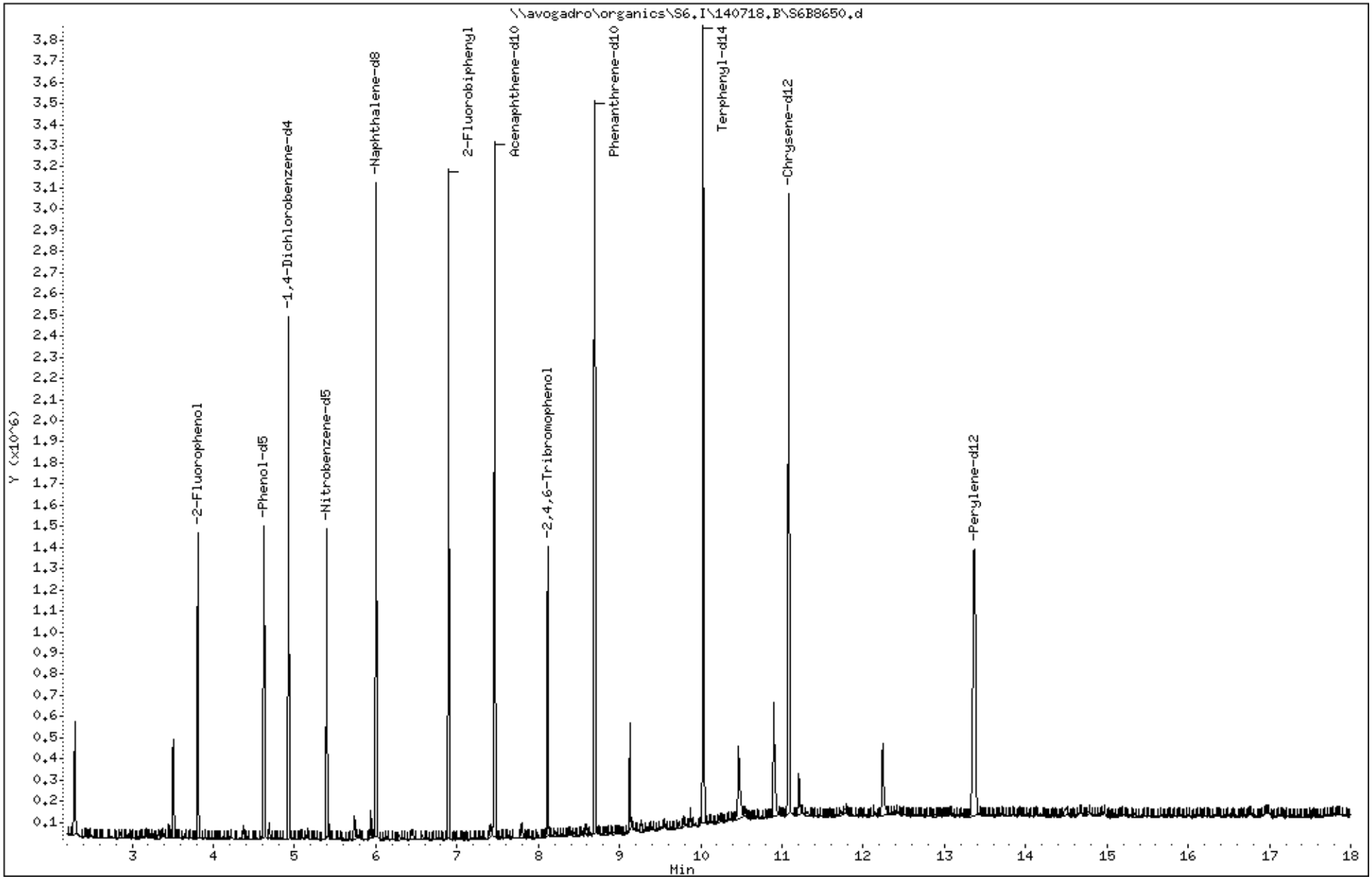
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Lab Smp Id: MB-78076 Client Smp ID: MB-78076
Inj Date : 18-JUL-2014 12:01
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : MB-78076,MB-78076,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140718.B\S6_8270C_N.m
Meth Date : 21-Jul-2014 13:13 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.809	3.803	(0.773)	321849	31.9469	2100
$	5 Phenol-d5	99	4.625	4.625	(0.939)	395522	30.7527	2000
*	12 1,4-Dichlorobenzene-d4	152	4.925	4.925	(1.000)	304151	40.0000	
$	22 Nitrobenzene-d5	82	5.395	5.395	(0.899)	400419	36.7657	2400
*	31 Naphthalene-d8	136	6.000	6.000	(1.000)	1056665	40.0000	
$	41 2-Fluorobiphenyl	172	6.893	6.893	(0.924)	827705	34.9683	2300
*	48 Acenaphthene-d10	164	7.463	7.463	(1.000)	676381	40.0000	
$	60 2,4,6-Tribromophenol	330	8.115	8.115	(0.933)	108768	35.8308	2400
*	64 Phenanthrene-d10	188	8.697	8.697	(1.000)	1318572	40.0000	
$	72 Terphenyl-d14	244	10.031	10.019	(0.905)	980762	38.4782	2600
*	76 Chrysene-d12	240	11.083	11.077	(1.000)	1274170	40.0000	
*	83 Perylene-d12	264	13.368	13.356	(1.000)	1013032	40.0000	

Data File: \\avogadro\organics\S6.I\140718.B\S6B8650.d
Date : 18-JUL-2014 12:01
Client ID: MB-78076
Instrument: S6.i
Sample Info: MB-78076,MB-78076,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11-071014MS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-01AMS

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8629.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3000	
95-48-7	2-Methylphenol	2800	
106-44-5	4-Methylphenol	2900	
91-20-3	Naphthalene	3300	
208-96-8	Acenaphthylene	3400	
83-32-9	Acenaphthene	3300	
86-73-7	Fluorene	3400	
87-86-5	Pentachlorophenol	2700	
85-01-8	Phenanthrene	3800	
120-12-7	Anthracene	3500	
206-44-0	Fluoranthene	4200	
129-00-0	Pyrene	4300	
56-55-3	Benzo(a)anthracene	4500	
218-01-9	Chrysene	4400	
205-99-2	Benzo(b)fluoranthene	5000	
207-08-9	Benzo(k)fluoranthene	4200	
50-32-8	Benzo(a)pyrene	4800	
193-39-5	Indeno(1,2,3-cd)pyrene	5300	
53-70-3	Dibenzo(a,h)anthracene	4200	
191-24-2	Benzo(g,h,i)perylene	5400	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8629.d
Report Date: 18-Jul-2014 15:42

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8629.d
Lab Smp Id: N1194-01AMS Client Smp ID: SS-11-071014MS
Inj Date : 17-JUL-2014 15:49
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-01AMS,,78074
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 12 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.200	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.844	3.832	(0.775)	348776	35.7150	2300
$	5 Phenol-d5	99	4.660	4.655	(0.940)	434683	34.8669	2300
	6 Phenol	94	4.672	4.666	(0.942)	506586	39.2706	2600
	8 bis(2-Chloroethyl)Ether	63	4.731	4.731	(0.954)	247223	36.6332	2400
	10 2-Chlorophenol	128	4.790	4.784	(0.966)	369157	37.1798	2400
	11 1,3-Dichlorobenzene	146	4.913	4.907	(0.991)	407639	35.8112	2400
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	294823	40.0000	
	13 1,4-Dichlorobenzene	146	4.972	4.972	(1.002)	405558	34.9636	2300
	16 1,2-Dichlorobenzene	146	5.101	5.101	(1.028)	403466	36.9880	2400
	17 2-Methylphenol	108	5.183	5.178	(1.045)	341973	36.5704	2400
	18 2,2'-oxybis(1-Chloropropane)	45	5.189	5.183	(1.046)	401758	35.6458	2300
	20 4-Methylphenol	108	5.313	5.307	(1.071)	368682	37.5730	2500
	19 N-Nitroso-di-n-propylamine	70	5.301	5.301	(1.069)	318684	37.6321	2500
	21 Hexachloroethane	117	5.389	5.389	(1.086)	164782	36.7537	2400
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	444680	43.7300	2900
	23 Nitrobenzene	77	5.448	5.448	(0.903)	451508	42.8557	2800
	24 Isophorone	82	5.647	5.648	(0.936)	765188	42.3682	2800
	25 2-Nitrophenol	139	5.712	5.712	(0.946)	220408	42.4904	2800
	26 2,4-Dimethylphenol	107	5.753	5.753	(0.953)	404776	45.7626	3000

Data File: \\avogadro\organics\S6.I\140717.B\S6B8629.d
Report Date: 18-Jul-2014 15:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	27 bis(2-Chloroethoxy)methane	93	5.824	5.824	(0.965)	459864	42.4499	2800
	29 2,4-Dichlorophenol	162	5.924	5.924	(0.982)	351804	45.5219	3000
	30 1,2,4-Trichlorobenzene	180	5.988	5.988	(0.992)	372160	43.5477	2900
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	986582	40.0000	
	32 Naphthalene	128	6.053	6.053	(1.003)	1071027	43.0822	2800
	33 4-Chloroaniline	127	6.100	6.100	(1.011)	283730	26.5164	1700
	34 Hexachlorobutadiene	225	6.147	6.153	(1.018)	240456	45.4220	3000
	35 4-Chloro-3-Methylphenol	107	6.511	6.511	(1.079)	387615	44.1527	2900
	36 2-Methylnaphthalene	142	6.629	6.629	(1.098)	797674	46.3744	3000
	38 Hexachlorocyclopentadiene	237	6.758	6.758	(0.901)	121455	21.1229	1400
	39 2,4,6-Trichlorophenol	196	6.870	6.870	(0.916)	286704	43.0476	2800
	40 2,4,5-Trichlorophenol	196	6.905	6.905	(0.921)	299227	43.5998	2900
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	936272	43.2402	2800
	42 2-Chloronaphthalene	162	7.034	7.040	(0.938)	751424	41.8847	2800
	43 2-Nitroaniline	65	7.122	7.122	(0.950)	270291	42.0877	2800
	44 Dimethylphthalate	163	7.263	7.269	(0.969)	960108	44.3278	2900
	45 2,6-Dinitrotoluene	165	7.322	7.322	(0.976)	228748	43.5913	2900
	46 Acenaphthylene	152	7.381	7.381	(0.984)	1281280	43.9050	2900
	47 3-Nitroaniline	138	7.463	7.463	(0.995)	181118	31.8615	2100
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	618736	40.0000	
	49 Acenaphthene	153	7.528	7.528	(1.004)	814521	43.2900	2800
	50 2,4-Dinitrophenol	184	7.551	7.551	(1.007)	71440	20.7945	1400(Q)
	51 4-Nitrophenol	109	7.610	7.610	(1.015)	154506	41.2296	2700
	53 2,4-Dinitrotoluene	165	7.657	7.657	(1.021)	299601	42.1915	2800
	52 Dibenzofuran	168	7.669	7.669	(1.023)	1091413	42.3997	2800
	54 Diethylphthalate	149	7.839	7.845	(1.045)	922857	44.8112	2900
	56 4-Chlorophenyl-phenylether	204	7.939	7.945	(1.059)	498847	43.3513	2800
	55 Fluorene	166	7.951	7.951	(1.060)	965285	43.5310	2900
	57 4-Nitroaniline	138	7.968	7.968	(1.063)	193852	33.4508	2200
	58 4,6-Dinitro-2-methylphenol	198	7.992	7.998	(0.915)	119958	27.1432	1800
	59 N-Nitrosodiphenylamine	169	8.045	8.045	(0.921)	850673	44.8866	3000
$	60 2,4,6-Tribromophenol	330	8.150	8.156	(0.933)	116801	44.2529	2900
	61 4-Bromophenyl-phenylether	248	8.350	8.350	(0.956)	286320	46.4869	3000
	62 Hexachlorobenzene	284	8.409	8.409	(0.963)	264063	46.2479	3000
	63 Pentachlorophenol	266	8.573	8.574	(0.982)	158024	35.5439	2300
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1146474	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.002)	1510699	48.7983	3200
	66 Anthracene	178	8.791	8.797	(1.007)	1421706	45.0728	3000
	67 Carbazole	167	8.920	8.926	(1.022)	1191580	42.0363	2800
	68 Di-n-butylphthalate	149	9.190	9.191	(1.052)	1482200	45.3385	3000
	69 Fluoranthene	202	9.743	9.749	(1.116)	1920255	54.1977	3600
	71 Pyrene	202	9.937	9.949	(0.894)	1979081	55.0095	3600
$	72 Terphenyl-d14	244	10.054	10.060	(0.905)	1032019	44.1651	2900
	73 Butylbenzylphthalate	149	10.477	10.495	(0.943)	652917	42.7634	2800
	74 3,3'-Dichlorobenzidine	252	11.053	11.071	(0.995)	323825	27.3133	1800
	75 Benzo(a)anthracene	228	11.094	11.112	(0.998)	1928726	57.8292	3800(R)
*	76 Chrysene-d12	240	11.112	11.130	(1.000)	1168118	40.0000	
	78 bis(2-Ethylhexyl)phthalate	149	11.082	11.106	(0.997)	924039	43.1125	2800
	77 Chrysene	228	11.141	11.159	(1.003)	1743979	56.9731	3700(R)
	79 Di-n-octylphthalate	149	11.987	12.011	(0.892)	1669230	38.4541	2500
	80 Benzo(b)fluoranthene	252	12.686	12.692	(0.944)	2358633	65.0241	4300(R)
	81 Benzo(k)fluoranthene	252	12.733	12.745	(0.948)	1992902	54.1113	3600
	82 Benzo(a)pyrene	252	13.315	13.327	(0.991)	2142710	61.9147	4100(R)
*	83 Perylene-d12	264	13.433	13.450	(1.000)	1233777	40.0000	

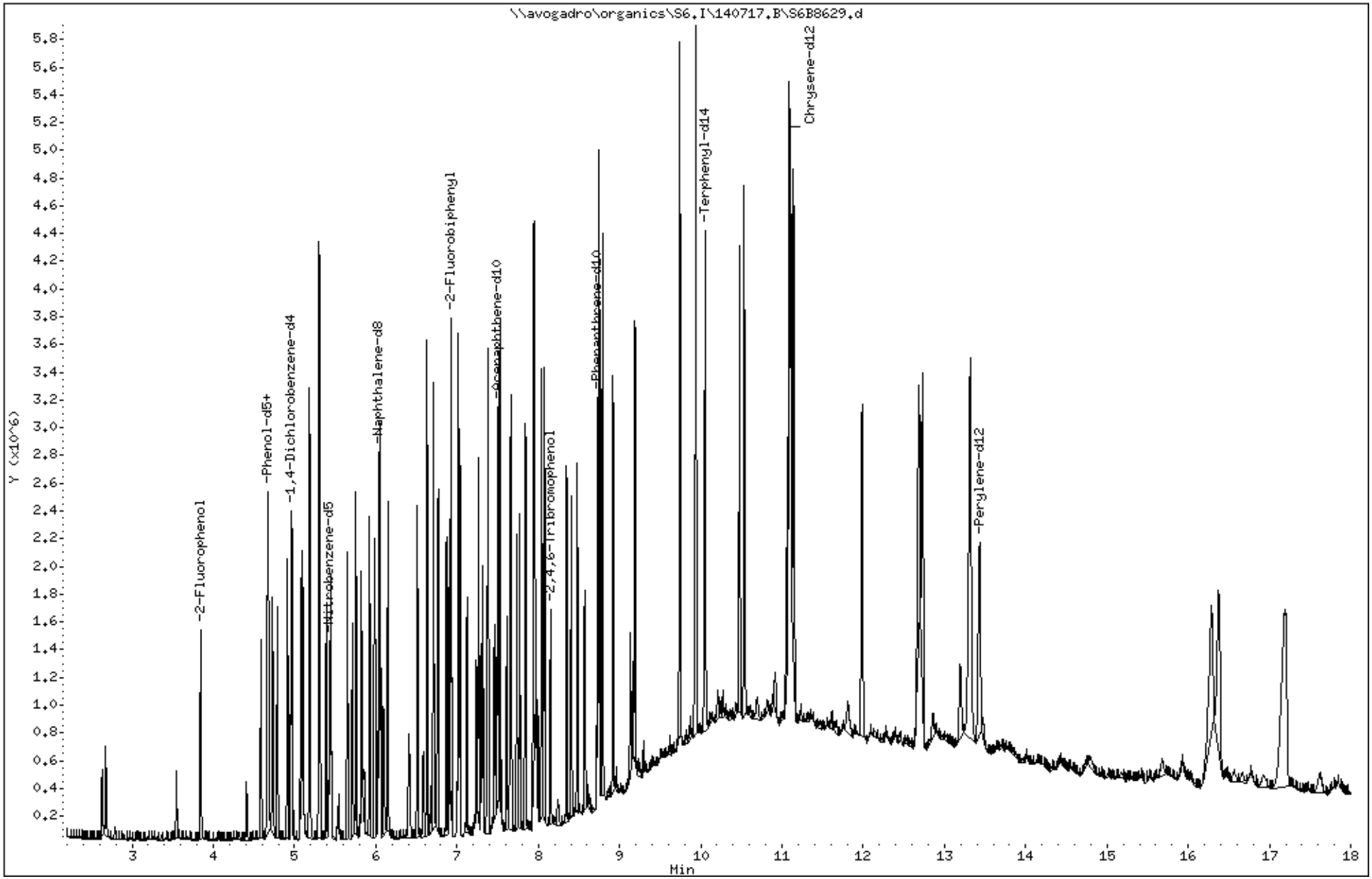
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Report Date: 18-Jul-2014 15:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
84 Indeno(1,2,3-cd)pyrene	276	16.282	16.277	(1.212)	2076163	68.7555	4500(R)
85 Dibenzo(a,h)anthracene	278	16.376	16.376	(1.219)	1614103	54.9406	3600
86 Benzo(g,h,i)perylene	276	17.193	17.170	(1.280)	2165518	69.4440	4600(R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8629.d
Date : 17-JUL-2014 15:49
Client ID: SS-11-071014MS
Instrument: S6.i
Sample Info: N1194-01AMS,,78074
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-11-071014MSD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-01AMSD

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8630.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3400	
95-48-7	2-Methylphenol	3200	
106-44-5	4-Methylphenol	3300	
91-20-3	Naphthalene	3800	
208-96-8	Acenaphthylene	3800	
83-32-9	Acenaphthene	3700	
86-73-7	Fluorene	3700	
87-86-5	Pentachlorophenol	2700	
85-01-8	Phenanthrene	4100	
120-12-7	Anthracene	3800	
206-44-0	Fluoranthene	4900	
129-00-0	Pyrene	4500	
56-55-3	Benzo(a)anthracene	5000	
218-01-9	Chrysene	5100	
205-99-2	Benzo(b)fluoranthene	6000	
207-08-9	Benzo(k)fluoranthene	4600	
50-32-8	Benzo(a)pyrene	5400	
193-39-5	Indeno(1,2,3-cd)pyrene	6000	
53-70-3	Dibenzo(a,h)anthracene	4500	
191-24-2	Benzo(g,h,i)perylene	5800	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8630.d
Report Date: 18-Jul-2014 15:42

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8630.d
Lab Smp Id: N1194-01AMSD Client Smp ID: SS-11-071014MSD
Inj Date : 17-JUL-2014 16:12
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-01AMSD,,78074
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 13 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.200	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.844	3.832	(0.775)	308684	41.1065	2700
$	5 Phenol-d5	99	4.660	4.655	(0.940)	387737	40.4455	2700
	6 Phenol	94	4.672	4.666	(0.942)	430502	43.3993	2800
	8 bis(2-Chloroethyl)Ether	63	4.731	4.731	(0.954)	212982	41.0414	2700
	10 2-Chlorophenol	128	4.790	4.784	(0.966)	325730	42.6625	2800
	11 1,3-Dichlorobenzene	146	4.913	4.907	(0.991)	355470	40.6106	2700
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	226709	40.0000	
	13 1,4-Dichlorobenzene	146	4.972	4.972	(1.002)	363522	40.7556	2700
	16 1,2-Dichlorobenzene	146	5.101	5.101	(1.028)	354339	42.2441	2800
	17 2-Methylphenol	108	5.183	5.178	(1.045)	294590	40.9684	2700
	18 2,2'-oxybis(1-Chloropropane)	45	5.189	5.183	(1.046)	347783	40.1278	2600
	20 4-Methylphenol	108	5.313	5.307	(1.071)	319862	42.3915	2800
	19 N-Nitroso-di-n-propylamine	70	5.301	5.301	(1.069)	266256	40.8875	2700
	21 Hexachloroethane	117	5.389	5.389	(1.086)	145488	42.1999	2800
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	374212	46.8044	3100
	23 Nitrobenzene	77	5.448	5.448	(0.903)	390672	47.1621	3100
	24 Isophorone	82	5.648	5.648	(0.936)	671253	47.2711	3100
	25 2-Nitrophenol	139	5.712	5.712	(0.946)	191065	46.8470	3100
	26 2,4-Dimethylphenol	107	5.753	5.753	(0.953)	336683	48.4121	3200

Data File: \\avogadro\organics\S6.I\140717.B\S6B8630.d
Report Date: 18-Jul-2014 15:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	27 bis(2-Chloroethoxy)methane	93	5.824	5.824	(0.965)	409370	48.0619	3200
	29 2,4-Dichlorophenol	162	5.924	5.924	(0.982)	304072	50.0418	3300
	30 1,2,4-Trichlorobenzene	180	5.988	5.988	(0.992)	326728	48.6250	3200
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	775704	40.0000	
	32 Naphthalene	128	6.053	6.053	(1.003)	950508	48.6285	3200
	33 4-Chloroaniline	127	6.094	6.100	(1.010)	239181	28.4297	1900
	34 Hexachlorobutadiene	225	6.147	6.153	(1.018)	205250	49.3118	3200
	35 4-Chloro-3-Methylphenol	107	6.511	6.511	(1.079)	335436	48.5963	3200
	36 2-Methylnaphthalene	142	6.629	6.629	(1.098)	702787	51.9653	3400
	38 Hexachlorocyclopentadiene	237	6.758	6.758	(0.901)	89364	19.6896	1300
	39 2,4,6-Trichlorophenol	196	6.870	6.870	(0.916)	246500	46.8888	3100
	40 2,4,5-Trichlorophenol	196	6.905	6.905	(0.921)	262095	48.3815	3200
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	801848	46.9153	3100
	42 2-Chloronaphthalene	162	7.034	7.040	(0.938)	643919	45.4714	3000
	43 2-Nitroaniline	65	7.122	7.122	(0.950)	233391	46.0410	3000
	44 Dimethylphthalate	163	7.263	7.269	(0.969)	837855	49.0074	3200
	45 2,6-Dinitrotoluene	165	7.322	7.322	(0.976)	201485	48.6432	3200
	46 Acenaphthylene	152	7.381	7.381	(0.984)	1123138	48.7573	3200
	47 3-Nitroaniline	138	7.463	7.463	(0.995)	164455	36.6512	2400
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	488392	40.0000	
	49 Acenaphthene	153	7.528	7.528	(1.004)	719355	48.4357	3200
	50 2,4-Dinitrophenol	184	7.551	7.551	(1.007)	44906	16.5596	1100(aQ)
	51 4-Nitrophenol	109	7.610	7.610	(1.015)	136986	46.3102	3000
	53 2,4-Dinitrotoluene	165	7.657	7.657	(1.021)	266374	47.5237	3100
	52 Dibenzofuran	168	7.669	7.669	(1.023)	964394	47.4640	3100
	54 Diethylphthalate	149	7.839	7.845	(1.045)	795174	48.9160	3200
	56 4-Chlorophenyl-phenylether	204	7.939	7.945	(1.059)	426870	46.9967	3100
	55 Fluorene	166	7.951	7.951	(1.060)	845962	48.3315	3200
	57 4-Nitroaniline	138	7.968	7.968	(1.063)	172922	37.8028	2500
	58 4,6-Dinitro-2-methylphenol	198	7.992	7.998	(0.915)	73580	19.9979	1300(a)
	59 N-Nitrosodiphenylamine	169	8.045	8.045	(0.921)	745075	47.2222	3100
$	60 2,4,6-Tribromophenol	330	8.151	8.156	(0.933)	103440	47.0735	3100
	61 4-Bromophenyl-phenylether	248	8.350	8.350	(0.956)	253067	49.3522	3200
	62 Hexachlorobenzene	284	8.409	8.409	(0.963)	238632	50.2002	3300
	63 Pentachlorophenol	266	8.574	8.574	(0.982)	129343	34.9444	2300
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	954491	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.002)	1374205	53.3176	3500
	66 Anthracene	178	8.791	8.797	(1.007)	1302866	49.6132	3300
	67 Carbazole	167	8.926	8.926	(1.022)	1109210	47.0011	3100
	68 Di-n-butylphthalate	149	9.191	9.191	(1.052)	1318605	48.4471	3200
	69 Fluoranthene	202	9.743	9.749	(1.116)	1858360	63.0005	4100(R)
	71 Pyrene	202	9.937	9.949	(0.894)	1927578	58.4760	3800
$	72 Terphenyl-d14	244	10.054	10.060	(0.905)	979633	45.7558	3000
	73 Butylbenzylphthalate	149	10.477	10.495	(0.943)	621734	44.4437	2900
	74 3,3'-Dichlorobenzidine	252	11.053	11.071	(0.995)	311630	28.6877	1900
	75 Benzo(a)anthracene	228	11.100	11.112	(0.999)	1969748	64.4583	4200(R)
*	76 Chrysene-d12	240	11.112	11.130	(1.000)	1070275	40.0000	
	78 bis(2-Ethylhexyl)phthalate	149	11.082	11.106	(0.997)	916332	46.6613	3100
	77 Chrysene	228	11.141	11.159	(1.003)	1860132	66.3229	4400(R)
	79 Di-n-octylphthalate	149	11.987	12.011	(0.892)	1700953	44.0544	2900
	80 Benzo(b)fluoranthene	252	12.686	12.692	(0.944)	2497468	77.4079	5100(R)
	81 Benzo(k)fluoranthene	252	12.733	12.745	(0.948)	1934552	59.0546	3900
	82 Benzo(a)pyrene	252	13.321	13.327	(0.992)	2162002	70.2356	4600(R)
*	83 Perylene-d12	264	13.433	13.450	(1.000)	1097401	40.0000	

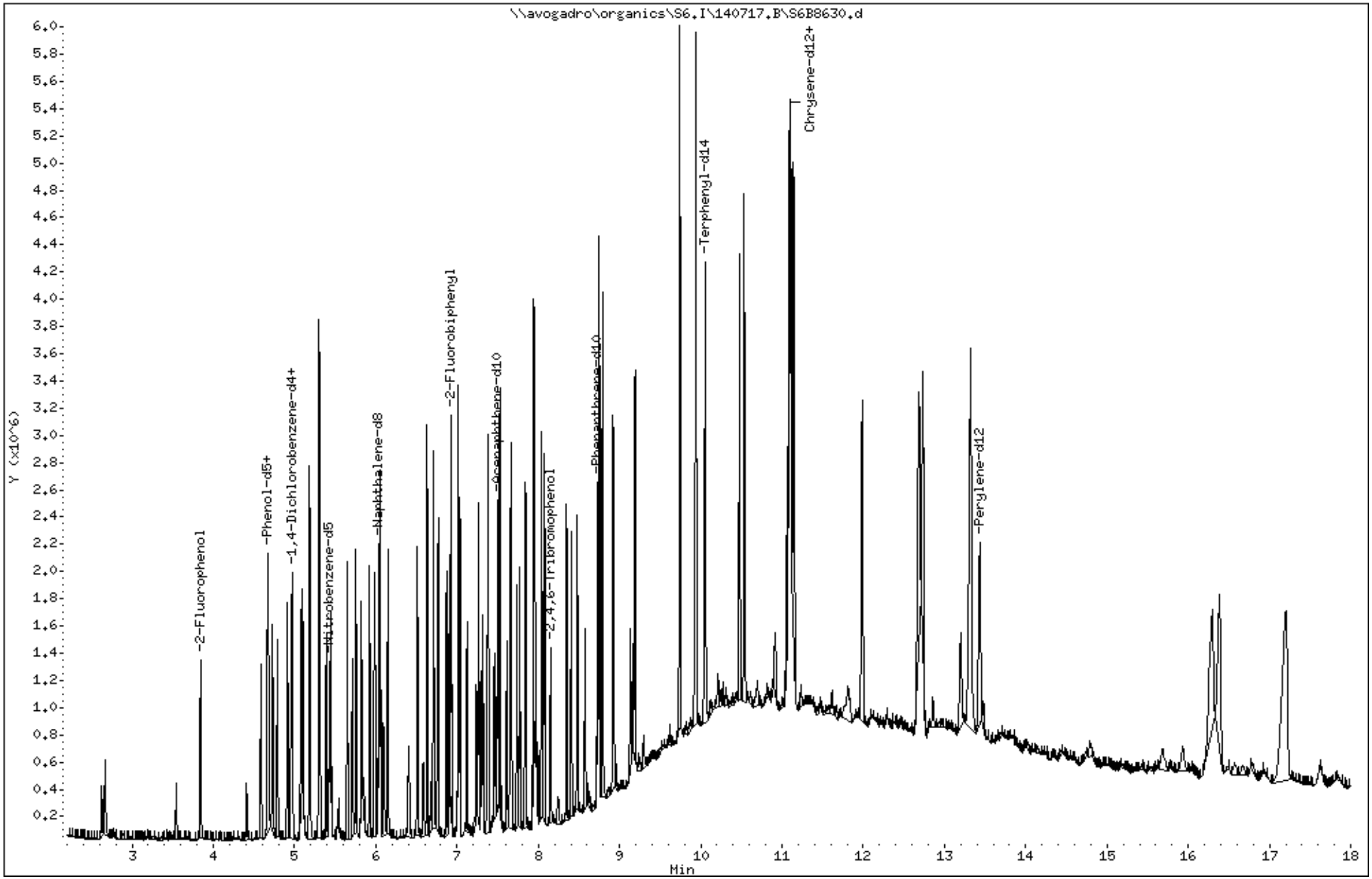
Data File: \\avogadro\organics\S6.I\140717.B\S6B8630.d
Report Date: 18-Jul-2014 15:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
84 Indeno(1,2,3-cd)pyrene	276	16.294	16.277	(1.213)	2071007	77.1079	5100(R)
85 Dibenzo(a,h)anthracene	278	16.382	16.376	(1.220)	1535392	58.7561	3900
86 Benzo(g,h,i)perylene	276	17.199	17.170	(1.280)	2094826	75.5253	5000(R)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8630.d
Date : 17-JUL-2014 16:12
Client ID: SS-11-071014MSD
Instrument: S6.i
Sample Info: N1194-01AMSD,,78074
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-23-071014MS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-14AMS

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S6B8643.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2400	
95-48-7	2-Methylphenol	2300	
106-44-5	4-Methylphenol	2300	
91-20-3	Naphthalene	2800	
208-96-8	Acenaphthylene	2600	
83-32-9	Acenaphthene	2600	
86-73-7	Fluorene	2600	
87-86-5	Pentachlorophenol	1900	
85-01-8	Phenanthrene	2700	
120-12-7	Anthracene	2500	
206-44-0	Fluoranthene	2800	
129-00-0	Pyrene	2700	
56-55-3	Benzo(a)anthracene	2900	
218-01-9	Chrysene	3000	
205-99-2	Benzo(b)fluoranthene	3200	
207-08-9	Benzo(k)fluoranthene	2800	
50-32-8	Benzo(a)pyrene	3100	
193-39-5	Indeno(1,2,3-cd)pyrene	3400	
53-70-3	Dibenzo(a,h)anthracene	2900	
191-24-2	Benzo(g,h,i)perylene	3400	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8643.d
Report Date: 18-Jul-2014 15:43

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8643.d
Lab Smp Id: N1194-14AMS Client Smp ID: SS-23-071014MS
Inj Date : 17-JUL-2014 21:15
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-14AMS,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 26 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.500	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.849	3.832	(0.776)	293783	31.2868	2000
$	5 Phenol-d5	99	4.666	4.655	(0.941)	355863	29.6862	1900
	6 Phenol	94	4.678	4.666	(0.943)	396216	31.9432	2100
	8 bis(2-Chloroethyl)Ether	63	4.731	4.731	(0.954)	204734	31.5506	2000
	10 2-Chlorophenol	128	4.790	4.784	(0.966)	313021	32.7870	2100
	11 1,3-Dichlorobenzene	146	4.913	4.907	(0.991)	348656	31.8546	2000
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	283485	40.0000	
	13 1,4-Dichlorobenzene	146	4.978	4.972	(1.004)	356621	31.9743	2100
	16 1,2-Dichlorobenzene	146	5.107	5.101	(1.030)	339681	32.3860	2100
	17 2-Methylphenol	108	5.183	5.178	(1.045)	278178	30.9380	2000
	18 2,2'-oxybis(1-Chloropropane)	45	5.189	5.183	(1.046)	328176	30.2818	2000
	20 4-Methylphenol	108	5.312	5.307	(1.071)	290494	30.7887	2000
	19 N-Nitroso-di-n-propylamine	70	5.301	5.301	(1.069)	254154	31.2124	2000
	21 Hexachloroethane	117	5.389	5.389	(1.086)	137609	31.9205	2000
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	356620	36.5116	2400
	23 Nitrobenzene	77	5.448	5.448	(0.903)	369030	36.4669	2400
	24 Isophorone	82	5.647	5.648	(0.936)	623411	35.9368	2300
	25 2-Nitrophenol	139	5.718	5.712	(0.947)	171797	34.4804	2200
	26 2,4-Dimethylphenol	107	5.753	5.753	(0.953)	322239	37.9286	2400

Data File: \\avogadro\organics\S6.I\140717.B\S6B8643.d
Report Date: 18-Jul-2014 15:43

							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/Kg)
	27 bis(2-Chloroethoxy)methane	93	5.824	5.824	(0.965)	377321	36.2620	2300
	29 2,4-Dichlorophenol	162	5.924	5.924	(0.982)	275653	37.1343	2400
	30 1,2,4-Trichlorobenzene	180	5.988	5.988	(0.992)	308172	37.5424	2400
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	947633	40.0000	
	32 Naphthalene	128	6.059	6.053	(1.004)	890915	37.3102	2400
	33 4-Chloroaniline	127	6.100	6.100	(1.011)	193426	18.8199	1200
	34 Hexachlorobutadiene	225	6.153	6.153	(1.019)	202921	39.9071	2600
	35 4-Chloro-3-Methylphenol	107	6.511	6.511	(1.079)	294807	34.9613	2200
	36 2-Methylnaphthalene	142	6.629	6.629	(1.098)	652265	39.4794	2500
	38 Hexachlorocyclopentadiene	237	6.758	6.758	(0.901)	71025	12.8981	830
	39 2,4,6-Trichlorophenol	196	6.869	6.870	(0.916)	223627	35.0604	2300
	40 2,4,5-Trichlorophenol	196	6.911	6.905	(0.922)	235773	35.8720	2300
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	730668	35.2357	2300
	42 2-Chloronaphthalene	162	7.040	7.040	(0.939)	590185	34.3508	2200
	43 2-Nitroaniline	65	7.122	7.122	(0.950)	204189	33.1996	2100
	44 Dimethylphthalate	163	7.263	7.269	(0.969)	740959	35.7213	2300
	45 2,6-Dinitrotoluene	165	7.322	7.322	(0.976)	173200	34.4642	2200
	46 Acenaphthylene	152	7.387	7.381	(0.985)	986487	35.2971	2300
	47 3-Nitroaniline	138	7.463	7.463	(0.995)	144790	26.5963	1700
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	592554	40.0000	
	49 Acenaphthene	153	7.528	7.528	(1.004)	633324	35.1470	2300
	50 2,4-Dinitrophenol	184	7.551	7.551	(1.007)	23752	7.21914	460(aQR)
	51 4-Nitrophenol	109	7.616	7.610	(1.016)	115094	32.0696	2100
	53 2,4-Dinitrotoluene	165	7.657	7.657	(1.021)	226199	33.2621	2100
	52 Dibenzofuran	168	7.669	7.669	(1.023)	843451	34.2145	2200
	54 Diethylphthalate	149	7.839	7.845	(1.045)	694483	35.2121	2300
	56 4-Chlorophenyl-phenylether	204	7.945	7.945	(1.060)	379019	34.3932	2200
	55 Fluorene	166	7.951	7.951	(1.060)	728290	34.2945	2200
	57 4-Nitroaniline	138	7.968	7.968	(1.063)	148965	26.8410	1700
	58 4,6-Dinitro-2-methylphenol	198	7.998	7.998	(0.916)	48272	11.0647	710(aR)
	59 N-Nitrosodiphenylamine	169	8.045	8.045	(0.921)	644677	34.4595	2200
$	60 2,4,6-Tribromophenol	330	8.156	8.156	(0.934)	85173	32.6897	2100
	61 4-Bromophenyl-phenylether	248	8.350	8.350	(0.956)	217691	35.8041	2300
	62 Hexachlorobenzene	284	8.409	8.409	(0.963)	199590	35.4109	2300
	63 Pentachlorophenol	266	8.573	8.574	(0.982)	113362	25.8299	1700
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1131751	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.002)	1102888	36.0887	2300
	66 Anthracene	178	8.797	8.797	(1.007)	1065910	34.2325	2200
	67 Carbazole	167	8.926	8.926	(1.022)	911426	32.5714	2100
	68 Di-n-butylphthalate	149	9.190	9.191	(1.052)	1130469	35.0294	2200
	69 Fluoranthene	202	9.743	9.749	(1.116)	1317237	37.6616	2400
	71 Pyrene	202	9.931	9.949	(0.895)	1363779	36.5910	2400
$	72 Terphenyl-d14	244	10.048	10.060	(0.905)	796573	32.9058	2100
	73 Butylbenzylphthalate	149	10.465	10.495	(0.943)	500651	31.6523	2000
	74 3,3'-Dichlorobenzidine	252	11.041	11.071	(0.995)	286729	23.3449	1500
	75 Benzo(a)anthracene	228	11.088	11.112	(0.999)	1356733	39.2669	2500(H)
*	76 Chrysene-d12	240	11.100	11.130	(1.000)	1210127	40.0000	
	78 bis(2-Ethylhexyl)phthalate	149	11.071	11.106	(0.997)	728828	32.8242	2100
	77 Chrysene	228	11.135	11.159	(1.003)	1258597	39.6891	2600
	79 Di-n-octylphthalate	149	11.969	12.011	(0.892)	1309460	28.9223	1900
	80 Benzo(b)fluoranthene	252	12.669	12.692	(0.944)	1650637	43.6295	2800
	81 Benzo(k)fluoranthene	252	12.722	12.745	(0.948)	1434229	37.3366	2400
	82 Benzo(a)pyrene	252	13.303	13.327	(0.991)	1515698	41.9911	2700
*	83 Perylene-d12	264	13.421	13.450	(1.000)	1286833	40.0000	

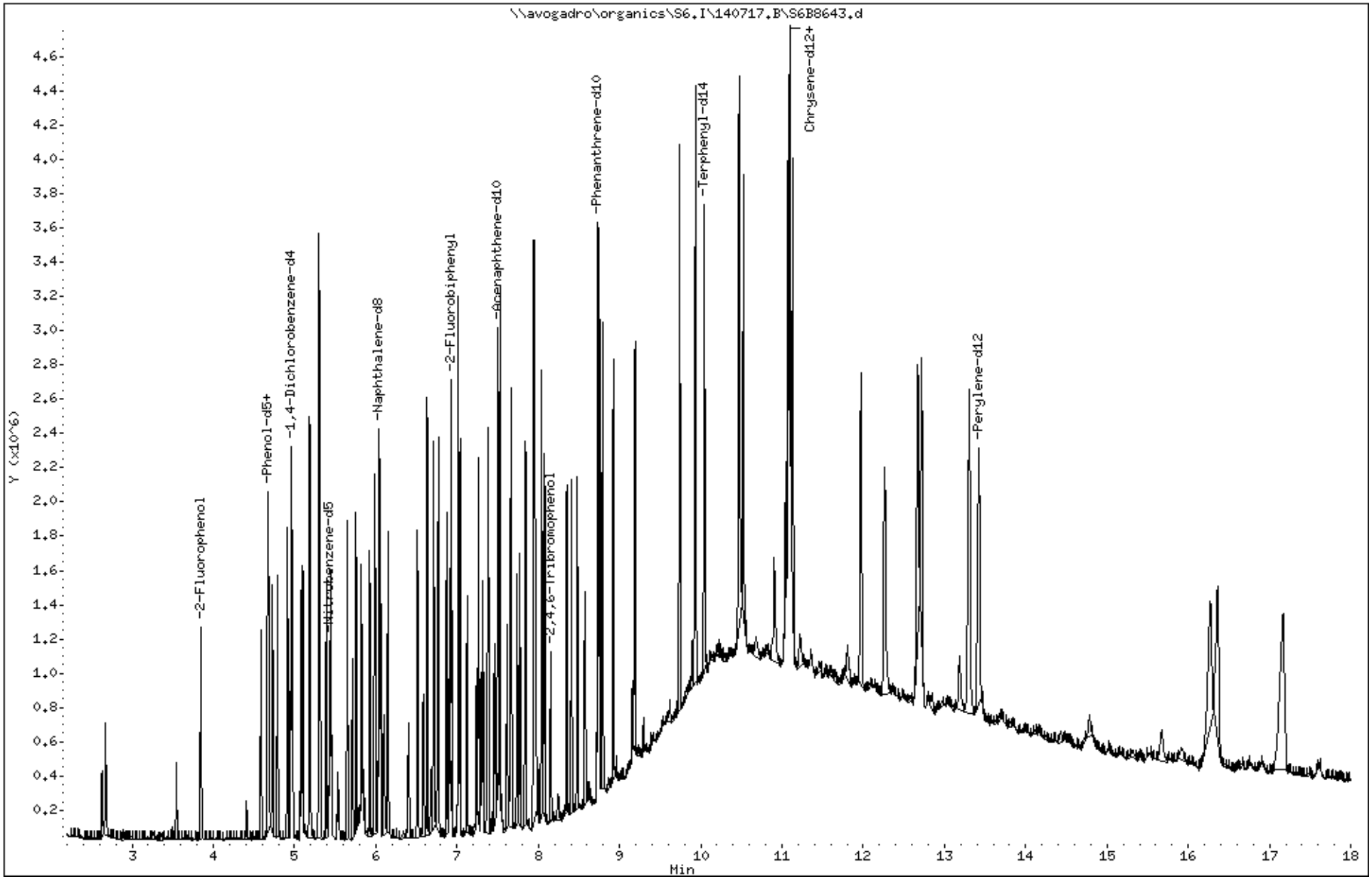
Data File: \\avogadro\organics\S6.I\140717.B\S6B8643.d
Report Date: 18-Jul-2014 15:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
84 Indeno(1,2,3-cd)pyrene	276	16.270	16.277	(1.212)	1419117	45.0587	2900
85 Dibenzo(a,h)anthracene	278	16.359	16.376	(1.219)	1188153	38.7748	2500
86 Benzo(g,h,i)perylene	276	17.169	17.170	(1.279)	1471634	45.2467	2900

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8643.d
Date : 17-JUL-2014 21:15
Client ID: SS-23-071014MS
Instrument: S6.i
Sample Info: N1194-14AMS,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-23-071014MSD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1194-14AMSD

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S6B8644.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/11/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/17/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2600	
95-48-7	2-Methylphenol	2600	
106-44-5	4-Methylphenol	2600	
91-20-3	Naphthalene	3100	
208-96-8	Acenaphthylene	3000	
83-32-9	Acenaphthene	3000	
86-73-7	Fluorene	2900	
87-86-5	Pentachlorophenol	2300	
85-01-8	Phenanthrene	3200	
120-12-7	Anthracene	3000	
206-44-0	Fluoranthene	3500	
129-00-0	Pyrene	3100	
56-55-3	Benzo(a)anthracene	3600	
218-01-9	Chrysene	3500	
205-99-2	Benzo(b)fluoranthene	4000	
207-08-9	Benzo(k)fluoranthene	3300	
50-32-8	Benzo(a)pyrene	3700	
193-39-5	Indeno(1,2,3-cd)pyrene	4000	
53-70-3	Dibenzo(a,h)anthracene	3500	
191-24-2	Benzo(g,h,i)perylene	3900	

Data File: \\avogadro\organics\S6.I\140717.B\S6B8644.d
Report Date: 18-Jul-2014 15:43

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140717.B\S6B8644.d
Lab Smp Id: N1194-14AMSD Client Smp ID: SS-23-071014MSD
Inj Date : 17-JUL-2014 21:38
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : N1194-14AMSD,,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140717.B\S6_8270C_N.m
Meth Date : 18-Jul-2014 15:40 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 27 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.500	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	3 2-Fluorophenol	112	3.849	3.832	(0.776)	306208	34.6418	2200
$	5 Phenol-d5	99	4.666	4.655	(0.941)	381550	33.8120	2200
	6 Phenol	94	4.678	4.666	(0.943)	412385	35.3181	2300
	8 bis(2-Chloroethyl)Ether	63	4.731	4.731	(0.954)	214489	35.1133	2300
	10 2-Chlorophenol	128	4.790	4.784	(0.966)	328701	36.5744	2400
	11 1,3-Dichlorobenzene	146	4.913	4.907	(0.991)	366301	35.5518	2300
*	12 1,4-Dichlorobenzene-d4	152	4.960	4.960	(1.000)	266859	40.0000	
	13 1,4-Dichlorobenzene	146	4.978	4.972	(1.004)	367485	35.0012	2200
	16 1,2-Dichlorobenzene	146	5.107	5.101	(1.030)	353799	35.8336	2300
	17 2-Methylphenol	108	5.183	5.178	(1.045)	289994	34.2615	2200
	18 2,2'-oxybis(1-Chloropropane)	45	5.189	5.183	(1.046)	349407	34.2496	2200
	20 4-Methylphenol	108	5.313	5.307	(1.071)	312270	35.1587	2300
	19 N-Nitroso-di-n-propylamine	70	5.301	5.301	(1.069)	270609	35.3037	2300
	21 Hexachloroethane	117	5.389	5.389	(1.086)	139750	34.4368	2200
$	22 Nitrobenzene-d5	82	5.430	5.430	(0.900)	373610	40.7465	2600
	23 Nitrobenzene	77	5.448	5.448	(0.903)	382318	40.2447	2600
	24 Isophorone	82	5.647	5.648	(0.936)	646121	39.6759	2600
	25 2-Nitrophenol	139	5.712	5.712	(0.946)	179257	38.3248	2500
	26 2,4-Dimethylphenol	107	5.753	5.753	(0.953)	335253	42.0348	2700

Data File: \\avogadro\organics\S6.I\140717.B\S6B8644.d
Report Date: 18-Jul-2014 15:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	27 bis(2-Chloroethoxy)methane	93	5.824	5.824	(0.965)	400054	40.9550	2600
	29 2,4-Dichlorophenol	162	5.924	5.924	(0.982)	288132	41.3477	2700
	30 1,2,4-Trichlorobenzene	180	5.988	5.988	(0.992)	323333	41.9591	2700
*	31 Naphthalene-d8	136	6.035	6.035	(1.000)	889596	40.0000	
	32 Naphthalene	128	6.053	6.053	(1.003)	921705	41.1178	2600
	33 4-Chloroaniline	127	6.100	6.100	(1.011)	190068	19.6996	1300
	34 Hexachlorobutadiene	225	6.153	6.153	(1.019)	205439	43.0382	2800
	35 4-Chloro-3-Methylphenol	107	6.511	6.511	(1.079)	327312	41.3484	2700
	36 2-Methylnaphthalene	142	6.629	6.629	(1.098)	676039	43.5878	2800
	38 Hexachlorocyclopentadiene	237	6.758	6.758	(0.901)	68938	13.1665	850
	39 2,4,6-Trichlorophenol	196	6.870	6.870	(0.916)	234443	38.6569	2500
	40 2,4,5-Trichlorophenol	196	6.911	6.905	(0.922)	251605	40.2603	2600
$	41 2-Fluorobiphenyl	172	6.928	6.928	(0.924)	768722	38.9878	2500
	42 2-Chloronaphthalene	162	7.040	7.040	(0.939)	626843	38.3710	2500
	43 2-Nitroaniline	65	7.122	7.122	(0.950)	225515	38.5632	2500
	44 Dimethylphthalate	163	7.263	7.269	(0.969)	800590	40.5920	2600
	45 2,6-Dinitrotoluene	165	7.322	7.322	(0.976)	181478	37.9788	2400
	46 Acenaphthylene	152	7.387	7.381	(0.985)	1055929	39.7355	2600
	47 3-Nitroaniline	138	7.463	7.463	(0.995)	155597	30.0593	1900
*	48 Acenaphthene-d10	164	7.498	7.498	(1.000)	563419	40.0000	
	49 Acenaphthene	153	7.528	7.528	(1.004)	685651	40.0187	2600
	50 2,4-Dinitrophenol	184	7.551	7.551	(1.007)	27027	8.63932	560(aQ)
	51 4-Nitrophenol	109	7.616	7.610	(1.016)	133659	39.1684	2500
	53 2,4-Dinitrotoluene	165	7.657	7.657	(1.021)	241367	37.3279	2400
	52 Dibenzofuran	168	7.669	7.669	(1.023)	922730	39.3660	2500
	54 Diethylphthalate	149	7.845	7.845	(1.046)	749520	39.9677	2600
	56 4-Chlorophenyl-phenylether	204	7.945	7.945	(1.060)	411092	39.2326	2500
	55 Fluorene	166	7.951	7.951	(1.060)	796838	39.4627	2500
	57 4-Nitroaniline	138	7.968	7.968	(1.063)	170629	32.3343	2100
	58 4,6-Dinitro-2-methylphenol	198	7.998	7.998	(0.916)	48543	11.4880	740(aR)
	59 N-Nitrosodiphenylamine	169	8.045	8.045	(0.921)	710522	39.2118	2500
$	60 2,4,6-Tribromophenol	330	8.156	8.156	(0.934)	98325	38.9623	2500
	61 4-Bromophenyl-phenylether	248	8.350	8.350	(0.956)	239179	40.6151	2600
	62 Hexachlorobenzene	284	8.409	8.409	(0.963)	226251	41.4439	2700
	63 Pentachlorophenol	266	8.573	8.574	(0.982)	131814	31.0091	2000
*	64 Phenanthrene-d10	188	8.732	8.732	(1.000)	1096172	40.0000	
	65 Phenanthrene	178	8.750	8.756	(1.002)	1272867	43.0027	2800
	66 Anthracene	178	8.797	8.797	(1.007)	1212289	40.1973	2600
	67 Carbazole	167	8.926	8.926	(1.022)	1034517	38.1702	2500
	68 Di-n-butylphthalate	149	9.190	9.191	(1.052)	1251487	40.0380	2600
	69 Fluoranthene	202	9.743	9.749	(1.116)	1596804	47.1367	3000
	71 Pyrene	202	9.931	9.949	(0.894)	1659826	41.6106	2700
$	72 Terphenyl-d14	244	10.048	10.060	(0.905)	935527	36.1090	2300
	73 Butylbenzylphthalate	149	10.465	10.495	(0.942)	601239	35.5164	2300
	74 3,3'-Dichlorobenzidine	252	11.047	11.071	(0.995)	332282	25.2778	1600
	75 Benzo(a)anthracene	228	11.094	11.112	(0.999)	1776591	48.0432	3100
*	76 Chrysene-d12	240	11.106	11.130	(1.000)	1295147	40.0000	
	78 bis(2-Ethylhexyl)phthalate	149	11.071	11.106	(0.997)	882754	37.1467	2400(H)
	77 Chrysene	228	11.135	11.159	(1.003)	1601931	47.1998	3000
	79 Di-n-octylphthalate	149	11.975	12.011	(0.892)	1656757	35.5404	2300
	80 Benzo(b)fluoranthene	252	12.675	12.692	(0.944)	2095791	53.8022	3500
	81 Benzo(k)fluoranthene	252	12.727	12.745	(0.948)	1736203	43.8976	2800
	82 Benzo(a)pyrene	252	13.309	13.327	(0.991)	1847234	49.7039	3200
*	83 Perylene-d12	264	13.427	13.450	(1.000)	1324947	40.0000	

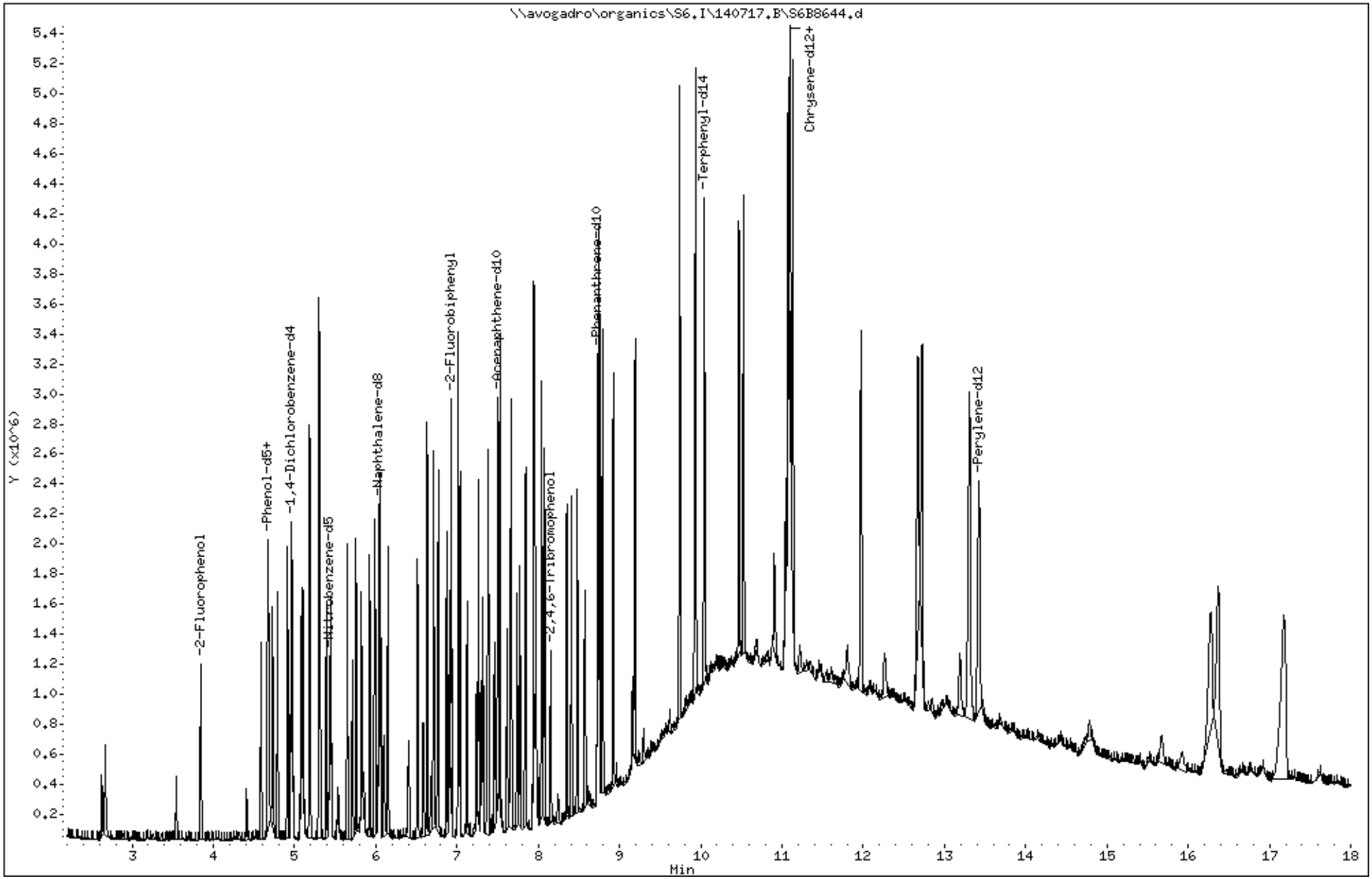
Data File: \\avogadro\organics\S6.I\140717.B\S6B8644.d
Report Date: 18-Jul-2014 15:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
84 Indeno(1,2,3-cd)pyrene	276	16.276	16.277	(1.212)	1745933	53.8409	3500
85 Dibenzo(a,h)anthracene	278	16.370	16.376	(1.219)	1466256	46.4740	3000
86 Benzo(g,h,i)perylene	276	17.181	17.170	(1.280)	1764465	52.6895	3400

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: \\avogadro\organics\S6.I\140717.B\S6B8644.d
Date : 17-JUL-2014 21:38
Client ID: SS-23-071014MSD
Instrument: S6.i
Sample Info: N1194-14AMSD,,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78060

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-78060

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8522.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/14/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/15/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	34	
95-48-7	2-Methylphenol	35	
106-44-5	4-Methylphenol	34	
91-20-3	Naphthalene	36	
208-96-8	Acenaphthylene	34	
83-32-9	Acenaphthene	34	
86-73-7	Fluorene	35	
87-86-5	Pentachlorophenol	35	
85-01-8	Phenanthrene	34	
120-12-7	Anthracene	34	
206-44-0	Fluoranthene	37	
129-00-0	Pyrene	34	
56-55-3	Benzo(a)anthracene	36	
218-01-9	Chrysene	35	
205-99-2	Benzo(b)fluoranthene	37	
207-08-9	Benzo(k)fluoranthene	36	
50-32-8	Benzo(a)pyrene	36	
193-39-5	Indeno(1,2,3-cd)pyrene	32	
53-70-3	Dibenzo(a,h)anthracene	33	
191-24-2	Benzo(g,h,i)perylene	31	

Data File: \\avogadro\organics\S6.I\140715A.B\S6B8522.d
Report Date: 16-Jul-2014 12:50

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140715A.B\S6B8522.d
Lab Smp Id: LCS-78060 Client Smp ID: LCS-78060
Inj Date : 15-JUL-2014 16:24
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : LCS-78060,LCS-78060,78060
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140715A.B\S6_8270C_N.m
Meth Date : 16-Jul-2014 12:50 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)	
	1 N-Nitrosodimethylamine	74	2.675	2.669	(0.533)	256844	34.1084	34(M)M6 TM 07/16	
	2 Pyridine	79	2.710	2.710	(0.540)	424186	29.9931	30	
$	3 2-Fluorophenol	112	3.885	3.885	(0.774)	418815	30.7461	31	
	101 Benzaldehyde	77	4.643	4.643	(0.925)	127523	13.2347	13(R)	
$	5 Phenol-d5	99	4.702	4.702	(0.937)	566185	32.5583	32	
	6 Phenol	94	4.713	4.713	(0.939)	620653	34.4927	34	
	7 Aniline	66	4.713	4.713	(0.939)	304803	34.0336	34(QM)M6 TM 07/16	
	8 bis(2-Chloroethyl)Ether	63	4.784	4.784	(0.953)	314661	33.4267	33	
	10 2-Chlorophenol	128	4.837	4.837	(0.964)	461681	33.3351	33	
	11 1,3-Dichlorobenzene	146	4.966	4.966	(0.989)	513153	32.3187	32	
*	12 1,4-Dichlorobenzene-d4	152	5.019	5.019	(1.000)	411242	40.0000		
	13 1,4-Dichlorobenzene	146	5.031	5.031	(1.002)	514028	31.7698	32	
	15 Benzyl Alcohol	108	5.131	5.131	(1.022)	342795	35.1510	35	
	16 1,2-Dichlorobenzene	146	5.160	5.160	(1.028)	492989	32.4008	32	
	17 2-Methylphenol	108	5.230	5.230	(1.042)	450638	34.5486	34	
	18 2,2'-oxybis(1-Chloropropane)	45	5.248	5.242	(1.046)	519370	33.0358	33	
	99 Acetophenone	105	5.360	5.360	(1.068)	735005	32.7542	33	
	19 N-Nitroso-di-n-propylamine	70	5.360	5.354	(1.068)	417943	35.3818	35	
	20 4-Methylphenol	108	5.360	5.360	(1.068)	471732	34.4654	34	
	21 Hexachloroethane	117	5.448	5.448	(1.085)	206837	33.0738	33	

Data File: \\avogadro\organics\S6.I\140715A.B\S6B8522.d
Report Date: 16-Jul-2014 12:50

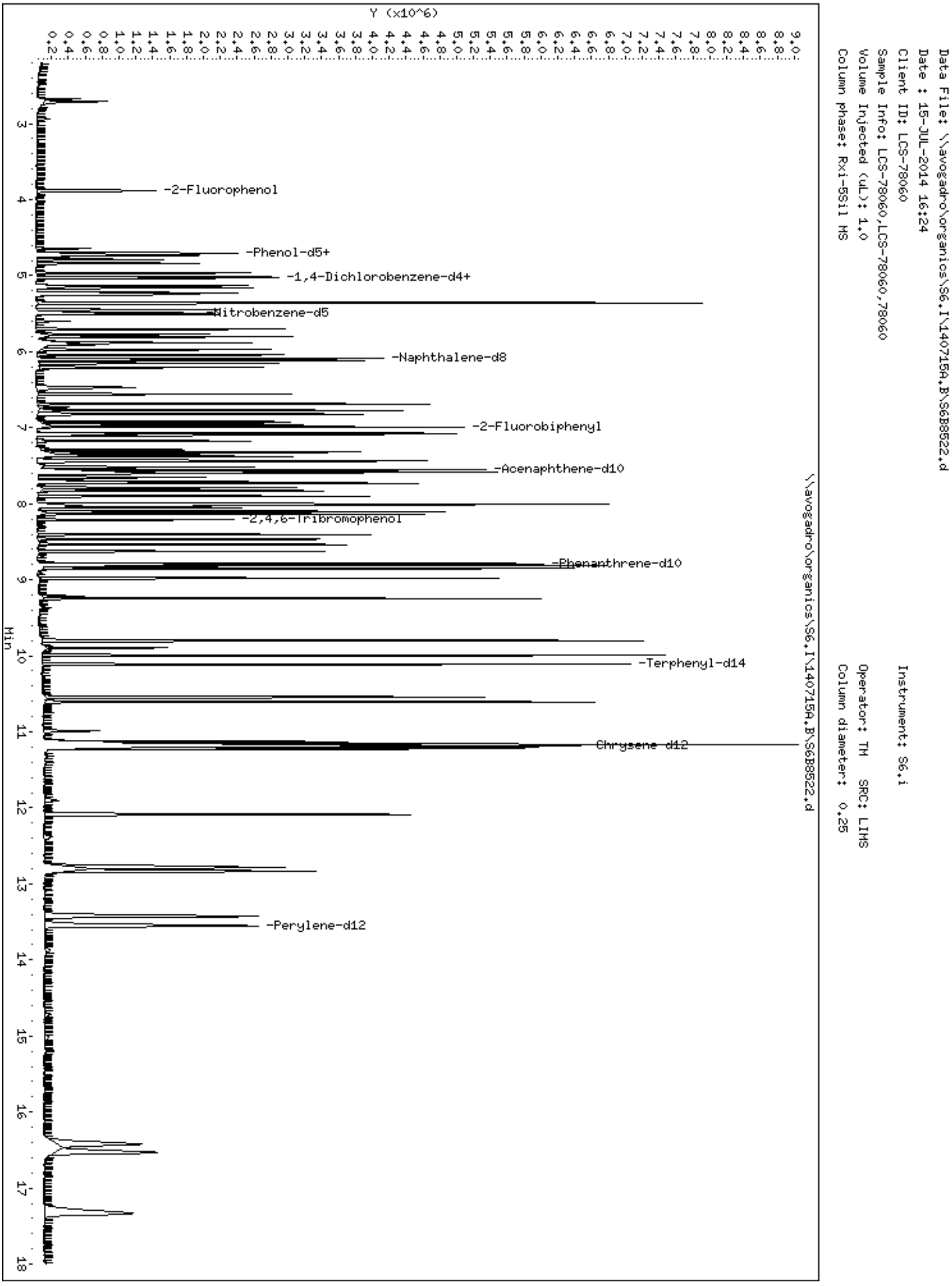
							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
$	22 Nitrobenzene-d5	82	5.489	5.483	(0.901)	577745	36.5507	36
	23 Nitrobenzene	77	5.507	5.501	(0.904)	595578	36.3672	36
	24 Isophorone	82	5.706	5.706	(0.936)	1047697	37.3194	37
	25 2-Nitrophenol	139	5.771	5.771	(0.947)	296143	36.7276	37
	26 2,4-Dimethylphenol	107	5.806	5.806	(0.953)	555070	40.3711	40
	27 bis(2-Chloroethoxy)methane	93	5.883	5.883	(0.965)	616350	36.6018	37
	28 Benzoic Acid	105	5.912	5.894	(0.970)	426528	38.8266	39
	29 2,4-Dichlorophenol	162	5.977	5.977	(0.981)	451718	37.6023	38
	30 1,2,4-Trichlorobenzene	180	6.041	6.041	(0.991)	476375	35.8601	36
*	31 Naphthalene-d8	136	6.094	6.094	(1.000)	1533578	40.0000	
	32 Naphthalene	128	6.112	6.112	(1.003)	1394015	36.0739	36
	33 4-Chloroaniline	127	6.153	6.153	(1.010)	645864	38.8309	39
	34 Hexachlorobutadiene	225	6.212	6.212	(1.019)	298444	36.2678	36
	102 Caprolactam	113	6.470	6.458	(1.062)	207639	39.6307	40
	35 4-Chloro-3-Methylphenol	107	6.558	6.558	(1.076)	535258	39.2236	39
	36 2-Methylnaphthalene	142	6.688	6.688	(1.097)	1053050	39.3849	39
	114 1-Methylnaphthalene	142	6.770	6.770	(1.111)	973991	36.4304	36
	38 Hexachlorocyclopentadiene	237	6.817	6.817	(0.902)	313407	30.5464	30
	112 1,2,4,5-Tetrachlorobenzene	216	6.829	6.829	(0.904)	558683	32.3656	32
	39 2,4,6-Trichlorophenol	196	6.923	6.923	(0.916)	403286	33.9346	34
	40 2,4,5-Trichlorophenol	196	6.958	6.958	(0.921)	423447	34.5777	34
$	41 2-Fluorobiphenyl	172	6.987	6.987	(0.925)	1282279	33.1880	33
	98 1,1'-Biphenyl	154	7.075	7.075	(0.936)	1374992	27.6415	28
	42 2-Chloronaphthalene	162	7.093	7.093	(0.939)	1031143	32.2109	32
	43 2-Nitroaniline	65	7.175	7.175	(0.949)	390116	34.0432	34
	44 Dimethylphthalate	163	7.322	7.322	(0.969)	1369747	35.4413	35
	45 2,6-Dinitrotoluene	165	7.375	7.375	(0.976)	342833	36.6133	37
	46 Acenaphthylene	152	7.440	7.440	(0.984)	1784991	34.2783	34
	47 3-Nitroaniline	138	7.516	7.516	(0.995)	356931	35.1886	35
*	48 Acenaphthene-d10	164	7.557	7.557	(1.000)	1104058	40.0000	
	49 Acenaphthene	153	7.587	7.587	(1.004)	1135320	33.8156	34
	50 2,4-Dinitrophenol	184	7.604	7.604	(1.006)	224357	36.5983	36(Q)
	51 4-Nitrophenol	109	7.657	7.651	(1.013)	250535	37.4667	37
	53 2,4-Dinitrotoluene	165	7.710	7.710	(1.020)	465011	36.6994	37
	52 Dibenzofuran	168	7.728	7.728	(1.023)	1566247	34.0994	34
	110 2,3,4,6-Tetrachlorophenol	232	7.792	7.792	(1.031)	404757	36.8548	37
	54 Diethylphthalate	149	7.898	7.898	(1.045)	1326845	36.1066	36
	56 4-Chlorophenyl-phenylether	204	8.004	8.004	(1.059)	718032	34.9697	35
	55 Fluorene	166	8.010	8.010	(1.060)	1402952	35.4568	35
	57 4-Nitroaniline	138	8.027	8.021	(1.062)	364362	35.2357	35
	58 4,6-Dinitro-2-methylphenol	198	8.051	8.051	(0.916)	312409	34.6286	35
	59 N-Nitrosodiphenylamine	169	8.104	8.104	(0.922)	1279637	33.0766	33
	97 Azobenzene	77	8.133	8.133	(0.925)	1438409	31.3038	31
$	60 2,4,6-Tribromophenol	330	8.209	8.209	(0.934)	189231	35.1211	35
	61 4-Bromophenyl-phenylether	248	8.409	8.409	(0.957)	431025	34.2816	34
	62 Hexachlorobenzene	284	8.468	8.468	(0.963)	410415	35.2118	35
	100 Atrazine	200	8.538	8.532	(0.971)	444286	51.4828	51
	63 Pentachlorophenol	266	8.627	8.626	(0.981)	316967	34.9250	35
*	64 Phenanthrene-d10	188	8.791	8.791	(1.000)	2340366	40.0000	
	65 Phenanthrene	178	8.809	8.809	(1.002)	2157556	34.1404	34
	66 Anthracene	178	8.850	8.856	(1.007)	2212852	34.3667	34
	67 Carbazole	167	8.979	8.979	(1.021)	2003434	34.6224	35
	68 Di-n-butylphthalate	149	9.243	9.249	(1.051)	2327420	34.8751	35
	69 Fluoranthene	202	9.802	9.813	(1.115)	2655188	36.7111	37

Data File: \\avogadro\organics\S6.I\140715A.B\S6B8522.d
Report Date: 16-Jul-2014 12:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	70 Benzidine	184	9.896	9.913	(0.884)	525495	24.5259	24
	71 Pyrene	202	9.996	10.013	(0.893)	2695789	34.4754	34
$	72 Terphenyl-d14	244	10.113	10.137	(0.904)	1825948	35.9525	36
	73 Butylbenzylphthalate	149	10.542	10.577	(0.942)	1157752	34.8882	35
	74 3,3'-Dichlorobenzidine	252	11.130	11.165	(0.995)	859927	33.3714	33
	78 bis(2-Ethylhexyl)phthalate	149	11.165	11.200	(0.998)	1654601	35.5185	36
	75 Benzo(a)anthracene	228	11.171	11.206	(0.998)	2600863	35.8792	36
*	76 Chrysene-d12	240	11.188	11.223	(1.000)	2538855	40.0000	
	77 Chrysene	228	11.224	11.253	(1.003)	2337453	35.1334	35
	79 Di-n-octylphthalate	149	12.087	12.134	(0.892)	2972552	39.9386	40
	80 Benzo(b)fluoranthene	252	12.781	12.822	(0.943)	2320498	37.3106	37(H)
	81 Benzo(k)fluoranthene	252	12.833	12.875	(0.947)	2279870	36.1036	36
	82 Benzo(a)pyrene	252	13.427	13.468	(0.991)	2119422	35.7178	36
*	83 Perylene-d12	264	13.550	13.597	(1.000)	2115432	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	16.429	16.470	(1.212)	1640007	31.6759	32
	85 Dibenzo(a,h)anthracene	278	16.535	16.570	(1.220)	1668104	33.1149	33
	86 Benzo(g,h,i)perylene	276	17.328	17.369	(1.279)	1640787	30.6876	31

QC Flag Legend

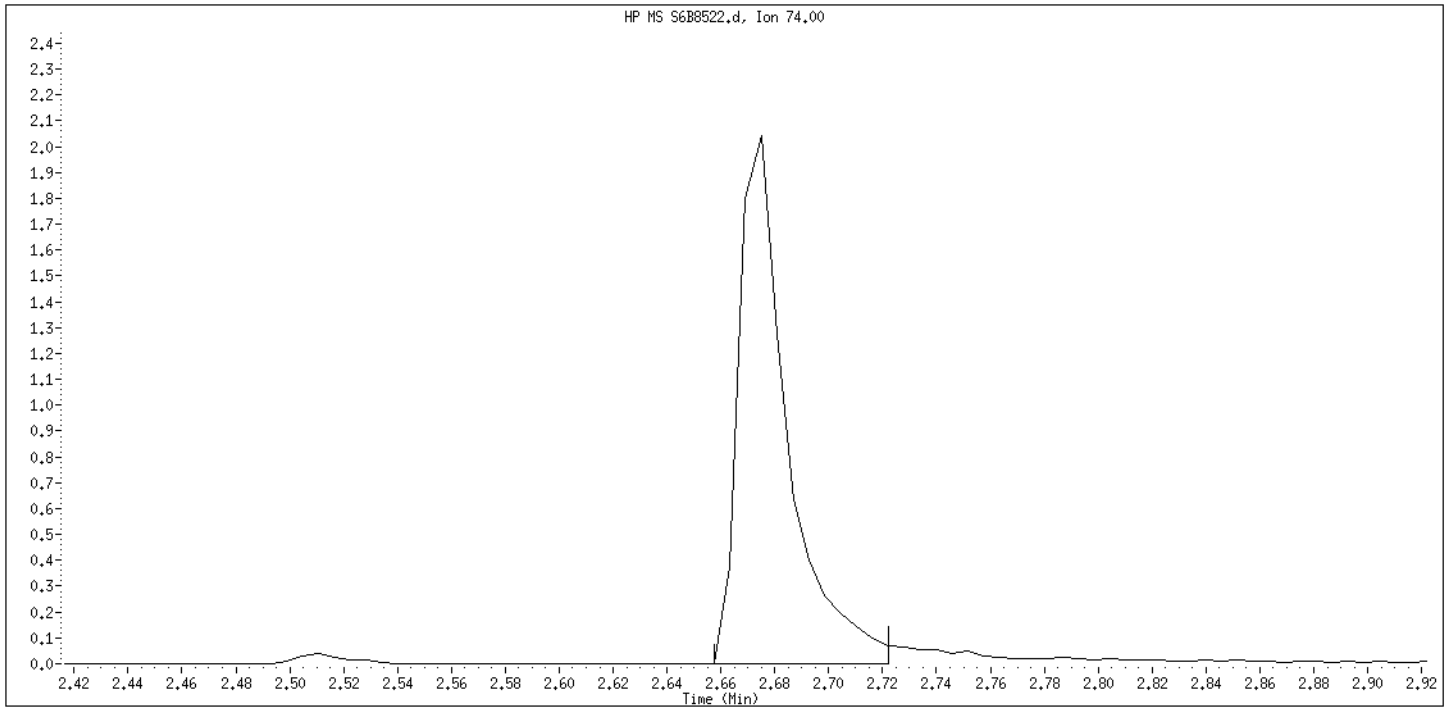
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.


Data File: \\avogadro\organics\S6,I\140715A,B\S6B8522.d
Date : 15-JUL-2014 16:24
Client ID: LCS-78060
Sample Info: LCS-78060,LCS-78060,78060
Volume Injected (uL): 1.0
Column phase: Rxi-5Sil MS
Instrument: S6,i
Operator: TM SRC: LIMS
Column diameter: 0.25
Y (x10^6)
Min
\\avogadro\organics\S6,I\140715A,B\S6B8522.d
-2-Fluorophenol
-Phenol-d5+
-1,4-Dichlorobenzene-d4+
Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
Chrysene-d12
-Perylene-d12

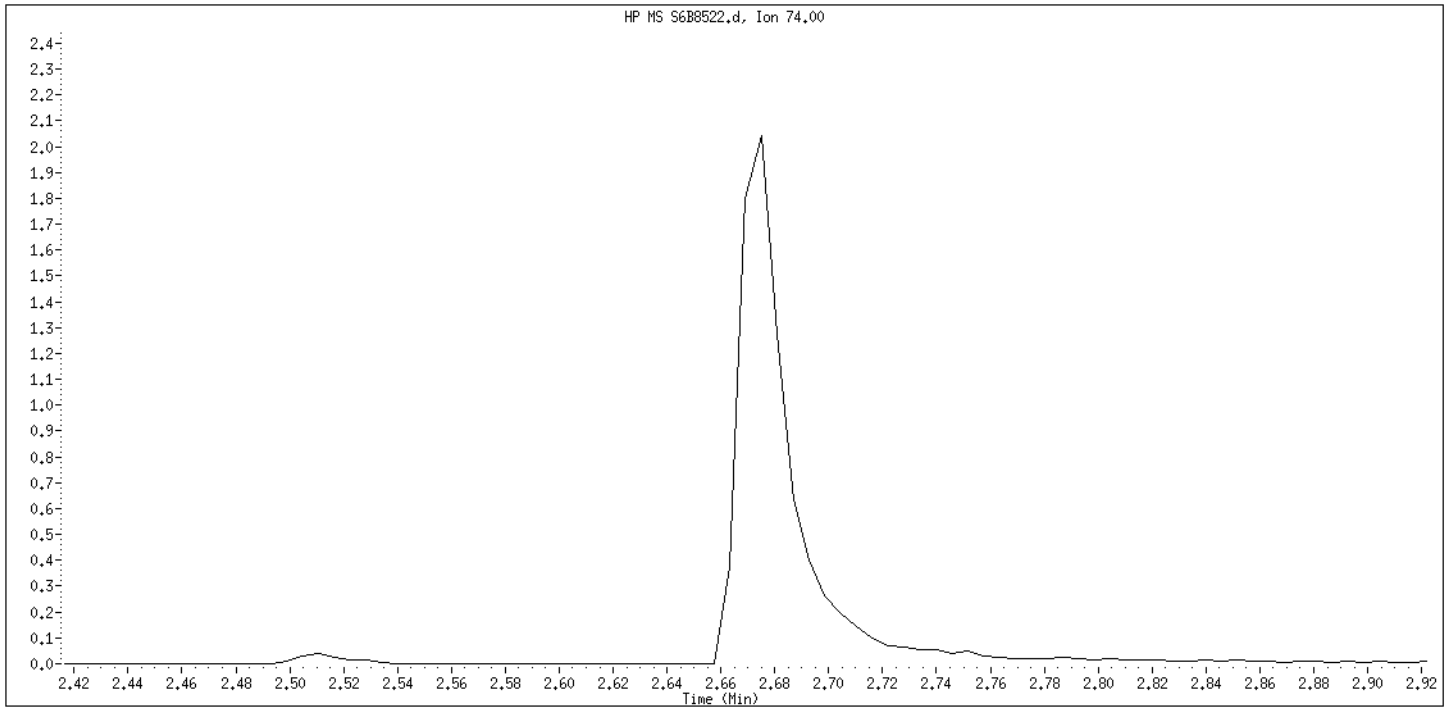
Manual Integration Report Data File: \\avogadro\organics\S6.I\140715A.B\S6B8522.d

Lab ID: LCS-78060 Client ID: LCS-78060 Inj Vol: 1 uL
Inj Date: 15-JUL-2014 16:24 Operator: TM SRC: LIMS

Manual Integration N-Nitrosodimethylamine Ret Time: 2.675 min, Range: 2.657 to 2.722 min Response: 256844



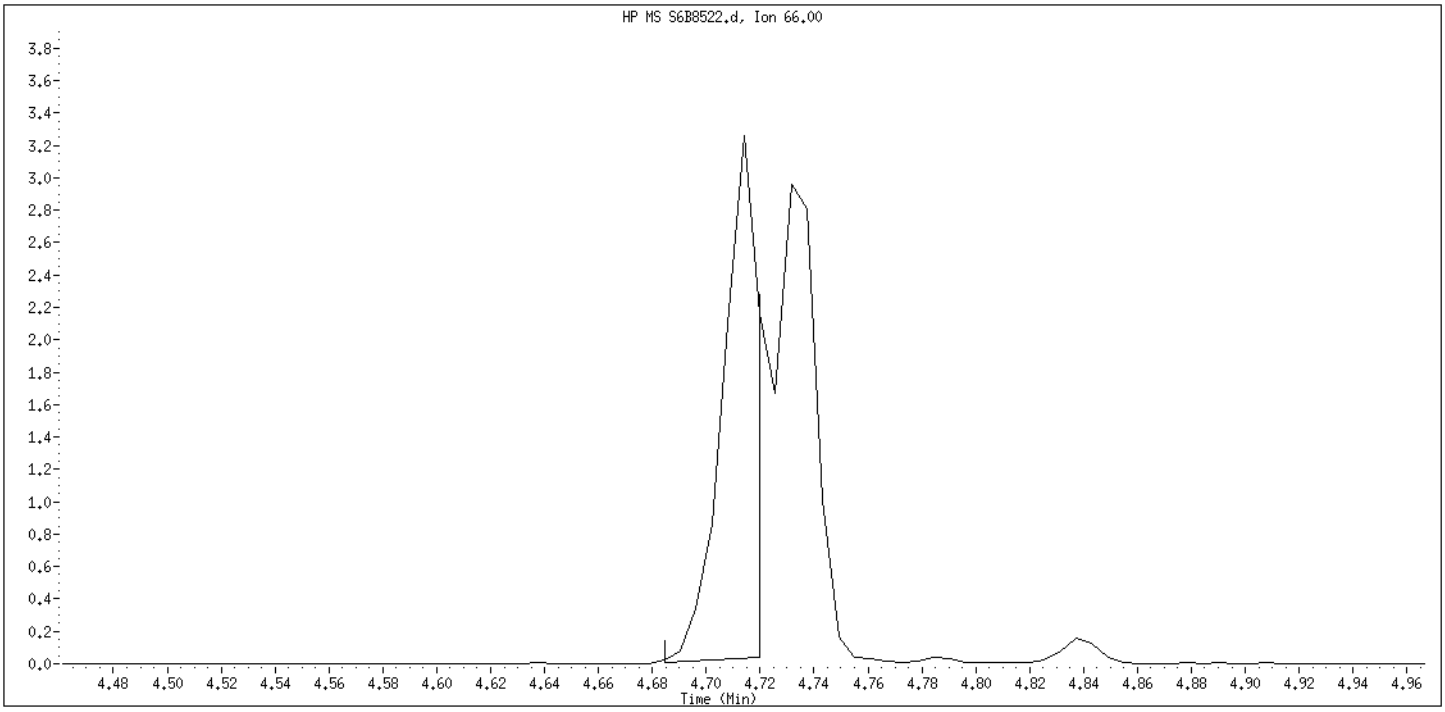
Original Integration N-Nitrosodimethylamine Ret Time: 0.000 min, Range: 0.000 to 0.000 min Response: 0



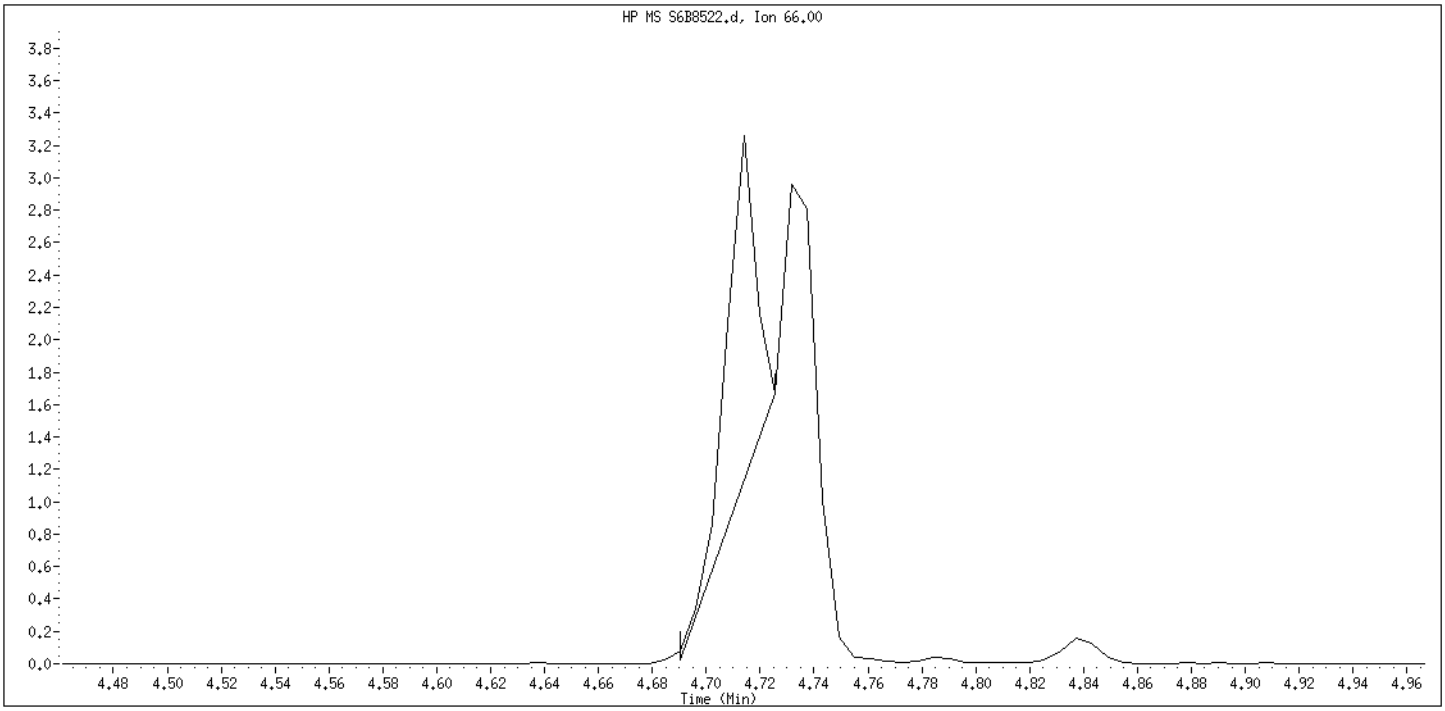
Manual Integration Report Data File: \\avogadro\organics\S6.I\140715A.B\S6B8522.d

Lab ID: LCS-78060 Client ID: LCS-78060 Inj Vol: 1 uL
Inj Date: 15-JUL-2014 16:24 Operator: TM SRC: LIMS

Manual Integration Aniline Ret Time: 4.714 min, Range: 4.684 to 4.720 min Response: 304803



Original Integration Aniline Ret Time: 4.714 min, Range: 4.690 to 4.726 min Response: 160273



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78074

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-78074

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8587.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/16/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3000	
95-48-7	2-Methylphenol	2900	
106-44-5	4-Methylphenol	2900	
91-20-3	Naphthalene	2800	
208-96-8	Acenaphthylene	2700	
83-32-9	Acenaphthene	2700	
86-73-7	Fluorene	2800	
87-86-5	Pentachlorophenol	2600	
85-01-8	Phenanthrene	2700	
120-12-7	Anthracene	2700	
206-44-0	Fluoranthene	3000	
129-00-0	Pyrene	2700	
56-55-3	Benzo(a)anthracene	2800	
218-01-9	Chrysene	2800	
205-99-2	Benzo(b)fluoranthene	3000	
207-08-9	Benzo(k)fluoranthene	2900	
50-32-8	Benzo(a)pyrene	2900	
193-39-5	Indeno(1,2,3-cd)pyrene	2900	
53-70-3	Dibenzo(a,h)anthracene	2900	
191-24-2	Benzo(g,h,i)perylene	2900	

Data File: \\avogadro\organics\S6.I\140716A.B\S6B8587.d
Report Date: 17-Jul-2014 13:47

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140716A.B\S6B8587.d
Lab Smp Id: LCS-78074 Client Smp ID: LCS-78074
Inj Date : 16-JUL-2014 20:51
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : LCS-78074,LCS-78074,78074
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140716A.B\S6_8270C_N.m
Meth Date : 17-Jul-2014 13:45 tmcdaniel Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)	
1	N-Nitrosodimethylamine	74	2.627	2.633	(0.527)	249999	40.4915	2700(QM)M6 TM 07/17	
2	Pyridine	79	2.663	2.669	(0.534)	296234	25.5466	1700	
$ 3	2-Fluorophenol	112	3.855	3.850	(0.774)	462925	41.4489	2800	
101	Benzaldehyde	77	4.607	4.608	(0.925)	301126	38.1162	2500	
$ 5	Phenol-d5	99	4.678	4.666	(0.939)	591267	41.4689	2800	
6	Phenol	94	4.690	4.678	(0.941)	654865	44.3879	3000(Q)	
7	Aniline	66	4.690	4.678	(0.941)	569776	77.5938	5200(QR)	
8	bis(2-Chloroethyl)Ether	63	4.754	4.755	(0.954)	309378	40.0843	2700	
10	2-Chlorophenol	128	4.807	4.807	(0.965)	470151	41.4030	2800	
11	1,3-Dichlorobenzene	146	4.936	4.937	(0.991)	475476	36.5233	2400	
* 12	1,4-Dichlorobenzene-d4	152	4.983	4.984	(1.000)	337181	40.0000		
13	1,4-Dichlorobenzene	146	4.995	4.995	(1.002)	481099	36.2657	2400	
15	Benzyl Alcohol	108	5.101	5.101	(1.024)	345908	43.2612	2900	
16	1,2-Dichlorobenzene	146	5.124	5.125	(1.028)	473907	37.9879	2500	
17	2-Methylphenol	108	5.201	5.195	(1.044)	463632	43.3521	2900	
18	2,2'-oxybis(1-Chloropropane)	45	5.213	5.213	(1.046)	496829	38.5433	2600	
99	Acetophenone	105	5.324	5.324	(1.068)	715226	38.8736	2600	
19	N-Nitroso-di-n-propylamine	70	5.324	5.324	(1.068)	397659	41.0589	2700	
20	4-Methylphenol	108	5.330	5.324	(1.070)	481555	42.9109	2900	

Data File: \\avogadro\organics\S6.I\140716A.B\S6B8587.d
Report Date: 17-Jul-2014 13:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	21 Hexachloroethane	117	5.412	5.413	(1.086)	187893	36.6438	2400
$	22 Nitrobenzene-d5	82	5.454	5.454	(0.899)	561608	43.1714	2900
	23 Nitrobenzene	77	5.471	5.471	(0.902)	580204	43.0483	2900
	24 Isophorone	82	5.671	5.671	(0.935)	1004354	43.4700	2900
	25 2-Nitrophenol	139	5.741	5.736	(0.947)	286155	43.1217	2900
	26 2,4-Dimethylphenol	107	5.777	5.771	(0.953)	549403	48.5532	3200
	27 bis(2-Chloroethoxy)methane	93	5.853	5.847	(0.965)	592281	42.7373	2800
	28 Benzoic Acid	105	5.882	5.859	(0.970)	437398	48.3796	3200
	29 2,4-Dichlorophenol	162	5.947	5.941	(0.981)	446703	45.1824	3000
	30 1,2,4-Trichlorobenzene	180	6.012	6.012	(0.991)	446450	40.8357	2700
*	31 Naphthalene-d8	136	6.065	6.065	(1.000)	1262124	40.0000	
	32 Naphthalene	128	6.082	6.082	(1.003)	1325204	41.6689	2800
	33 4-Chloroaniline	127	6.123	6.118	(1.010)	335647	24.5201	1600
	34 Hexachlorobutadiene	225	6.176	6.176	(1.018)	281662	41.5901	2800
	102 Caprolactam	113	6.441	6.423	(1.062)	201536	46.7389	3100
	35 4-Chloro-3-Methylphenol	107	6.535	6.529	(1.077)	528664	47.0725	3100
	36 2-Methylnaphthalene	142	6.658	6.652	(1.098)	999847	45.4378	3000
	114 1-Methylnaphthalene	142	6.740	6.740	(1.111)	926022	42.0856	2800
	38 Hexachlorocyclopentadiene	237	6.781	6.782	(0.901)	239205	29.1461	1900
	112 1,2,4,5-Tetrachlorobenzene	216	6.793	6.793	(0.902)	525421	38.0527	2500
	39 2,4,6-Trichlorophenol	196	6.893	6.887	(0.916)	389546	40.9776	2700
	40 2,4,5-Trichlorophenol	196	6.928	6.923	(0.920)	412520	42.1115	2800
$	41 2-Fluorobiphenyl	172	6.958	6.958	(0.924)	1241989	40.1861	2700
	98 1,1'-Biphenyl	154	7.040	7.040	(0.935)	1325071	33.3011	2200
	42 2-Chloronaphthalene	162	7.063	7.064	(0.938)	986585	38.5281	2600
	43 2-Nitroaniline	65	7.146	7.140	(0.949)	382652	41.7446	2800
	44 Dimethylphthalate	163	7.293	7.287	(0.969)	1323569	42.8129	2800
	45 2,6-Dinitrotoluene	165	7.345	7.340	(0.976)	335274	44.7626	3000
	46 Acenaphthylene	152	7.410	7.410	(0.984)	1698522	40.7768	2700
	47 3-Nitroaniline	138	7.486	7.481	(0.995)	283901	34.9900	2300
*	48 Acenaphthene-d10	164	7.528	7.522	(1.000)	883147	40.0000	
	49 Acenaphthene	153	7.551	7.551	(1.003)	1081530	40.2714	2700
	50 2,4-Dinitrophenol	184	7.575	7.569	(1.006)	208089	42.4355	2800(Q)
	51 4-Nitrophenol	109	7.627	7.622	(1.013)	253024	47.3040	3200
	53 2,4-Dinitrotoluene	165	7.680	7.675	(1.020)	460728	45.4568	3000
	52 Dibenzofuran	168	7.692	7.692	(1.022)	1492836	40.6310	2700
	110 2,3,4,6-Tetrachlorophenol	232	7.757	7.757	(1.030)	395070	44.9710	3000
	54 Diethylphthalate	149	7.868	7.869	(1.045)	1302590	44.3131	3000
	56 4-Chlorophenyl-phenylether	204	7.968	7.968	(1.059)	691053	42.0744	2800
	55 Fluorene	166	7.974	7.974	(1.059)	1338146	42.2784	2800
	57 4-Nitroaniline	138	7.998	7.992	(1.062)	368728	44.5774	3000
	58 4,6-Dinitro-2-methylphenol	198	8.021	8.015	(0.916)	300254	39.6780	2600
	59 N-Nitrosodiphenylamine	169	8.068	8.068	(0.921)	1258904	38.7950	2600
	97 Azobenzene	77	8.103	8.098	(0.925)	1408316	36.5396	2400
$	60 2,4,6-Tribromophenol	330	8.180	8.174	(0.934)	186410	41.2471	2700
	61 4-Bromophenyl-phenylether	248	8.374	8.374	(0.956)	413505	39.2093	2600
	62 Hexachlorobenzene	284	8.432	8.433	(0.963)	413523	42.2974	2800
	100 Atrazine	200	8.503	8.503	(0.971)	444742	61.4407	4100
	63 Pentachlorophenol	266	8.597	8.597	(0.982)	295328	38.7950	2600
	111 Pentachloronitrobenzene	237	8.597	8.603	(0.982)	11754	2.45618	160(aQ)
*	64 Phenanthrene-d10	188	8.756	8.756	(1.000)	1963066	40.0000	
	65 Phenanthrene	178	8.779	8.773	(1.003)	2169670	40.9307	2700
	66 Anthracene	178	8.820	8.815	(1.007)	2186424	40.4826	2700
	67 Carbazole	167	8.949	8.950	(1.022)	2045375	42.1409	2800

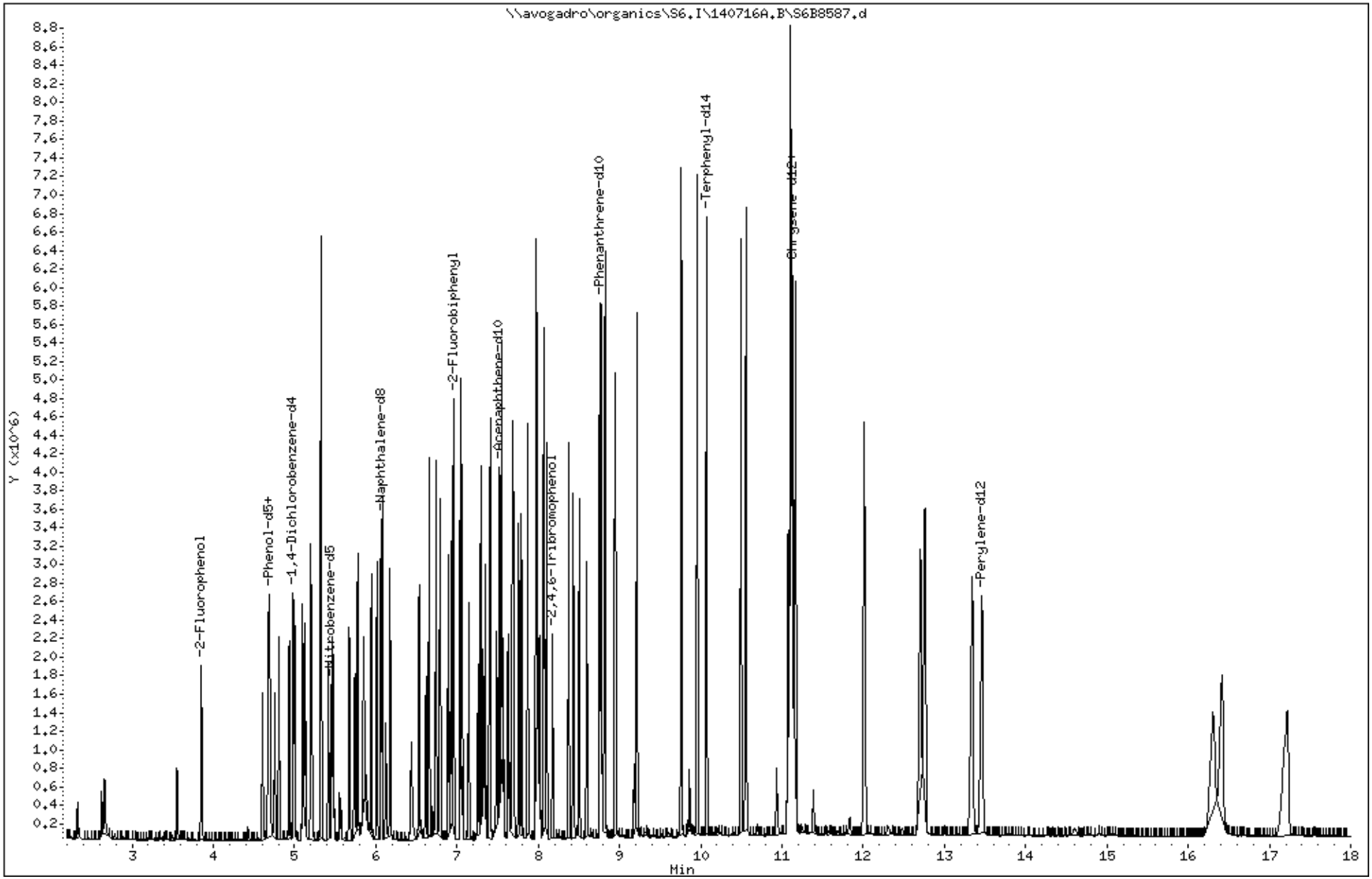
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Report Date: 17-Jul-2014 13:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	68 Di-n-butylphthalate	149	9.214	9.214	(1.052)	2364214	42.2354	2800
	69 Fluoranthene	202	9.760	9.772	(1.115)	2709452	44.6614	3000
	70 Benzidine	184	9.860	9.878	(0.886)	248861	13.0520	870
	71 Pyrene	202	9.954	9.972	(0.894)	2803206	40.2849	2700
$	72 Terphenyl-d14	244	10.072	10.090	(0.904)	1913368	42.3353	2800
	73 Butylbenzylphthalate	149	10.495	10.530	(0.942)	1230540	41.6699	2800
	74 3,3'-Dichlorobenzidine	252	11.076	11.112	(0.995)	812884	35.4492	2400
	78 bis(2-Ethylhexyl)phthalate	149	11.100	11.147	(0.997)	1759396	42.4414	2800
	75 Benzo(a)anthracene	228	11.118	11.153	(0.998)	2710246	42.0144	2800
*	76 Chrysene-d12	240	11.135	11.171	(1.000)	2259300	40.0000	
	77 Chrysene	228	11.165	11.200	(1.003)	2498845	42.2066	2800
	79 Di-n-octylphthalate	149	12.017	12.064	(0.893)	3101575	43.4665	2900
	80 Benzo(b)fluoranthene	252	12.704	12.745	(0.944)	2650870	44.4578	3000(H)
	81 Benzo(k)fluoranthene	252	12.763	12.798	(0.948)	2603380	43.0017	2900
	82 Benzo(a)pyrene	252	13.344	13.386	(0.991)	2484621	43.6753	2900
*	83 Perylene-d12	264	13.462	13.515	(1.000)	2028106	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	16.312	16.353	(1.212)	2154852	43.4120	2900
	85 Dibenzo(a,h)anthracene	278	16.417	16.447	(1.220)	2109091	43.6721	2900
	86 Benzo(g,h,i)perylene	276	17.216	17.246	(1.279)	2212442	43.1609	2900

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

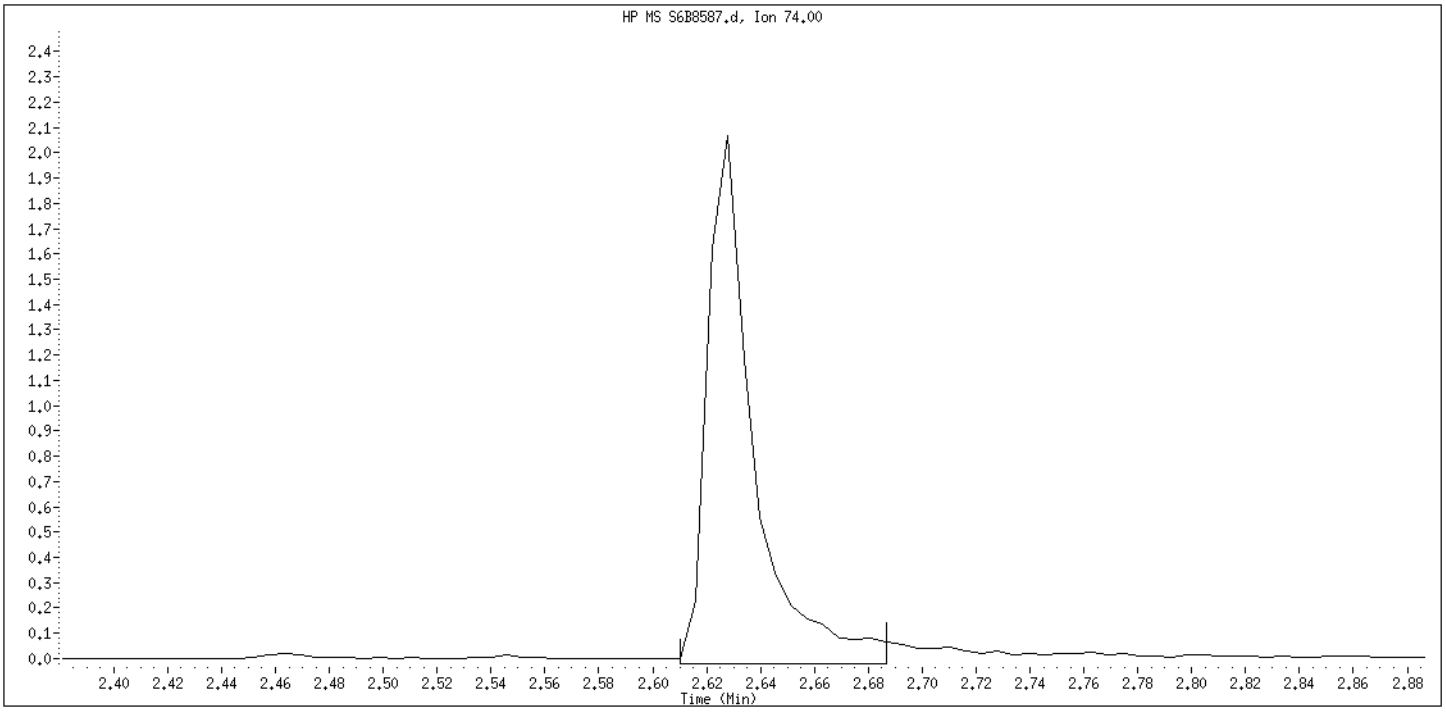
Data File: \\avogadro\organics\S6.I\140716A.B\S6B8587.d
Date : 16-JUL-2014 20:51
Client ID: LCS-78074
Instrument: S6.i
Sample Info: LCS-78074,LCS-78074,78074
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



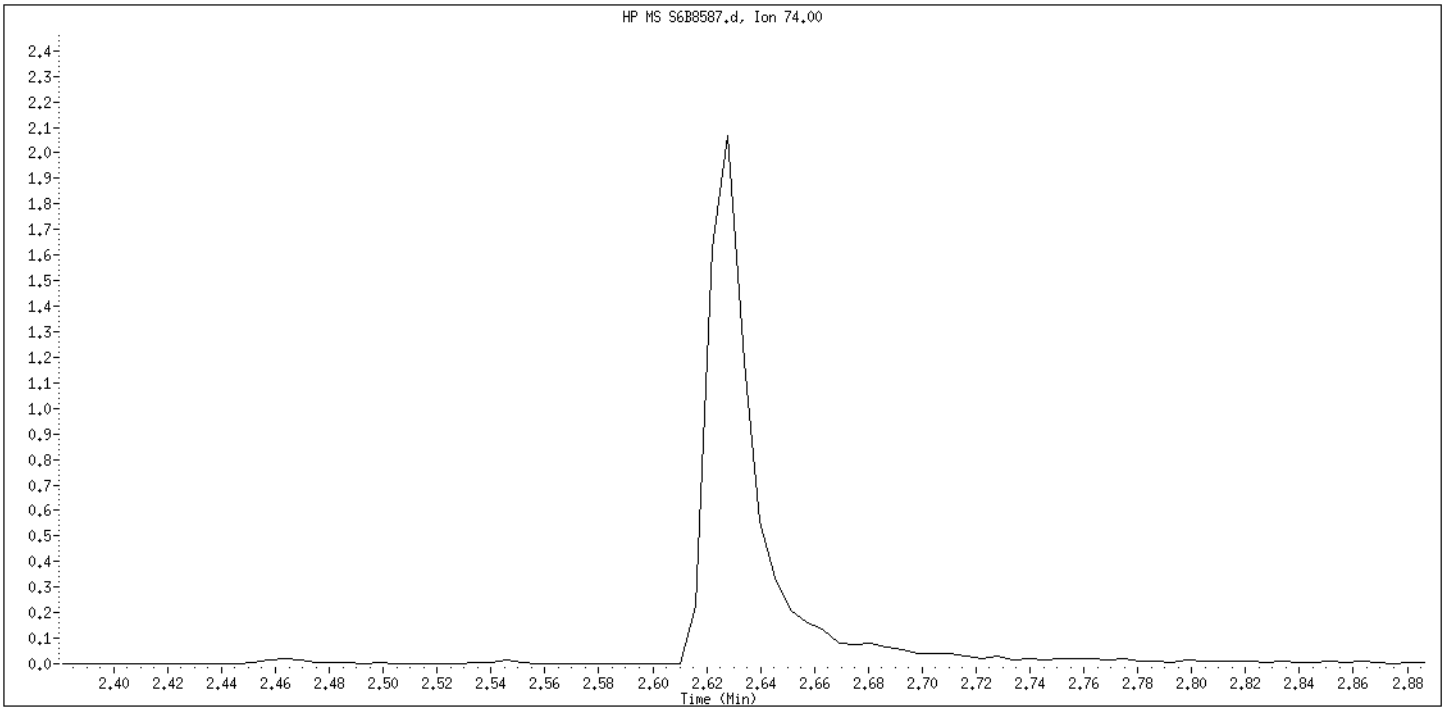
Manual Integration Report Data File: \\avogadro\organics\S6.I\140716A.B\S6B8587.d

Lab ID: LCS-78074 Client ID: LCS-78074 Inj Vol: 1 uL
Inj Date: 16-JUL-2014 20:51 Operator: TM SRC: LIMS

Manual Integration N-Nitrosodimethylamine Ret Time: 2.628 min, Range: 2.610 to 2.687 min Response: 249999



Original Integration N-Nitrosodimethylamine Ret Time: 0.000 min, Range: 0.000 to 0.000 min Response: 0



1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78076

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1194 Mod. Ref No.: SDG No.: SN1194

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-78076

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8651.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/15/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2300	
95-48-7	2-Methylphenol	2200	
106-44-5	4-Methylphenol	2300	
91-20-3	Naphthalene	2500	
208-96-8	Acenaphthylene	2400	
83-32-9	Acenaphthene	2400	
86-73-7	Fluorene	2400	
87-86-5	Pentachlorophenol	2000	
85-01-8	Phenanthrene	2400	
120-12-7	Anthracene	2400	
206-44-0	Fluoranthene	2400	
129-00-0	Pyrene	2600	
56-55-3	Benzo(a)anthracene	2500	
218-01-9	Chrysene	2500	
205-99-2	Benzo(b)fluoranthene	2600	
207-08-9	Benzo(k)fluoranthene	2500	
50-32-8	Benzo(a)pyrene	2500	
193-39-5	Indeno(1,2,3-cd)pyrene	2500	
53-70-3	Dibenzo(a,h)anthracene	2500	
191-24-2	Benzo(g,h,i)perylene	2500	

Data File: \\avogadro\organics\S6.I\140718.B\S6B8651.d
Report Date: 21-Jul-2014 13:14

Spectrum Analytical, Inc. RI Division

Data file : \\avogadro\organics\S6.I\140718.B\S6B8651.d
Lab Smp Id: LCS-78076 Client Smp ID: LCS-78076
Inj Date : 18-JUL-2014 12:24
Operator : TM   SRC: LIMS Inst ID: S6.i
Smp Info : LCS-78076,LCS-78076,78076
Misc Info :
Comment   :
Method   : \\avogadro\organics\S6.I\140718.B\S6_8270C_N.m
Meth Date : 21-Jul-2014 13:13 S6.i Quant Type: ISTD
Cal Date : 10-JUL-2014 13:29 Cal File: S6B8396.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allnew.sub
Target Version: 4.14
Processing Host: TARGET102

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC correction factor
Vt	1000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)	
1	N-Nitrosodimethylamine	74	2.592	2.581	(0.526)	207812	35.7215	2400(QM)M6 TM 07/21	
2	Pyridine	79	2.627	2.616	(0.534)	296087	27.0989	1800	
$ 3	2-Fluorophenol	112	3.808	3.803	(0.773)	343911	32.6800	2200	
101	Benzaldehyde	77	4.555	4.555	(0.925)	235740	31.6686	2100	
$ 5	Phenol-d5	99	4.631	4.625	(0.940)	435717	32.4322	2200	
6	Phenol	94	4.643	4.637	(0.943)	481771	34.6567	2300	
7	Aniline	66	4.643	4.637	(0.943)	415562	60.0609	4000(Q)	
8	bis(2-Chloroethyl)Ether	63	4.702	4.696	(0.955)	247171	33.9872	2300	
10	2-Chlorophenol	128	4.754	4.749	(0.965)	366487	34.2521	2300	
11	1,3-Dichlorobenzene	146	4.878	4.878	(0.990)	406858	33.1679	2200	
* 12	1,4-Dichlorobenzene-d4	152	4.925	4.925	(1.000)	317709	40.0000		
13	1,4-Dichlorobenzene	146	4.942	4.937	(1.004)	408106	32.6489	2200	
15	Benzyl Alcohol	108	5.048	5.042	(1.025)	251168	33.3377	2200	
16	1,2-Dichlorobenzene	146	5.072	5.066	(1.030)	392510	33.3916	2200	
17	2-Methylphenol	108	5.148	5.148	(1.045)	338444	33.5859	2200	
18	2,2'-oxybis(1-Chloropropane)	45	5.160	5.154	(1.048)	398939	32.8460	2200	
99	Acetophenone	105	5.271	5.266	(1.070)	553532	31.9292	2100	
19	N-Nitroso-di-n-propylamine	70	5.266	5.266	(1.069)	302937	33.1958	2200	
20	4-Methylphenol	108	5.277	5.277	(1.072)	357868	33.8437	2200	

Data File: \\avogadro\organics\S6.I\140718.B\S6B8651.d
Report Date: 21-Jul-2014 13:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	21 Hexachloroethane	117	5.354	5.354	(1.087)	166111	34.3813	2300
$	22 Nitrobenzene-d5	82	5.395	5.395	(0.898)	442260	39.5003	2600
	23 Nitrobenzene	77	5.412	5.413	(0.901)	448148	38.6328	2600
	24 Isophorone	82	5.612	5.612	(0.934)	741421	37.2845	2500
	25 2-Nitrophenol	139	5.683	5.677	(0.946)	218321	38.2253	2500
	26 2,4-Dimethylphenol	107	5.718	5.718	(0.952)	405279	41.6142	2800
	27 bis(2-Chloroethoxy)methane	93	5.794	5.789	(0.965)	450492	37.7682	2500
	28 Benzoic Acid	105	5.824	5.812	(0.970)	302015	38.8127	2600
	29 2,4-Dichlorophenol	162	5.888	5.888	(0.980)	331366	38.9420	2600
	30 1,2,4-Trichlorobenzene	180	5.953	5.953	(0.991)	353387	37.5559	2500
*	31 Naphthalene-d8	136	6.006	6.000	(1.000)	1086280	40.0000	
	32 Naphthalene	128	6.024	6.018	(1.003)	1023859	37.4050	2500
	33 4-Chloroaniline	127	6.065	6.065	(1.010)	237232	20.1360	1300
	34 Hexachlorobutadiene	225	6.118	6.118	(1.019)	234138	40.1693	2700
	102 Caprolactam	113	6.370	6.364	(1.061)	125317	33.7673	2200
	35 4-Chloro-3-Methylphenol	107	6.476	6.476	(1.078)	363321	37.5871	2500
	36 2-Methylnaphthalene	142	6.593	6.594	(1.098)	761706	40.2190	2700
	114 1-Methylnaphthalene	142	6.682	6.676	(1.112)	695580	36.7299	2400
	38 Hexachlorocyclopentadiene	237	6.723	6.723	(0.901)	180598	27.9315	1900
	112 1,2,4,5-Tetrachlorobenzene	216	6.734	6.735	(0.902)	396728	36.4705	2400
	39 2,4,6-Trichlorophenol	196	6.834	6.834	(0.916)	267576	35.7278	2400
	40 2,4,5-Trichlorophenol	196	6.870	6.870	(0.920)	280900	36.3981	2400
$	41 2-Fluorobiphenyl	172	6.899	6.893	(0.924)	893143	36.6817	2400
	98 1,1'-Biphenyl	154	6.981	6.981	(0.935)	942685	30.0717	2000
	42 2-Chloronaphthalene	162	7.005	7.005	(0.939)	700090	34.7031	2300
	43 2-Nitroaniline	65	7.087	7.087	(0.950)	254973	35.3070	2400
	44 Dimethylphthalate	163	7.234	7.228	(0.969)	885674	36.3642	2400
	45 2,6-Dinitrotoluene	165	7.287	7.287	(0.976)	218828	37.0842	2500
	46 Acenaphthylene	152	7.346	7.346	(0.984)	1184007	36.0801	2400
	47 3-Nitroaniline	138	7.428	7.428	(0.995)	153587	24.0272	1600
*	48 Acenaphthene-d10	164	7.463	7.463	(1.000)	695764	40.0000	
	49 Acenaphthene	153	7.492	7.492	(1.004)	750136	35.4543	2400
	50 2,4-Dinitrophenol	184	7.516	7.516	(1.007)	122259	31.6470	2100(Q)
	51 4-Nitrophenol	109	7.575	7.575	(1.015)	149264	35.4211	2400
	53 2,4-Dinitrotoluene	165	7.622	7.616	(1.021)	283233	35.4707	2400
	52 Dibenzofuran	168	7.633	7.633	(1.023)	1035660	35.7795	2400
	110 2,3,4,6-Tetrachlorophenol	232	7.698	7.698	(1.031)	250793	36.2364	2400
	54 Diethylphthalate	149	7.810	7.810	(1.046)	859226	37.1025	2500
	56 4-Chlorophenyl-phenylether	204	7.910	7.910	(1.060)	467693	36.1442	2400
	55 Fluorene	166	7.915	7.916	(1.061)	889233	35.6617	2400
	57 4-Nitroaniline	138	7.933	7.933	(1.063)	198875	30.5183	2000
	58 4,6-Dinitro-2-methylphenol	198	7.962	7.957	(0.916)	177769	34.2292	2300
	59 N-Nitrosodiphenylamine	169	8.009	8.010	(0.921)	803783	36.0913	2400
	97 Azobenzene	77	8.039	8.039	(0.924)	920289	34.7911	2300
$	60 2,4,6-Tribromophenol	330	8.121	8.115	(0.934)	113279	36.5220	2400
	61 4-Bromophenyl-phenylether	248	8.315	8.315	(0.956)	265034	36.6176	2400
	62 Hexachlorobenzene	284	8.374	8.374	(0.963)	260523	38.8276	2600
	100 Atrazine	200	8.444	8.444	(0.971)	257321	51.7969	3400
	63 Pentachlorophenol	266	8.538	8.538	(0.982)	153026	29.2898	2000
*	64 Phenanthrene-d10	188	8.697	8.697	(1.000)	1347270	40.0000	
	65 Phenanthrene	178	8.715	8.715	(1.002)	1304652	35.8617	2400
	66 Anthracene	178	8.756	8.756	(1.007)	1318833	35.5799	2400
	67 Carbazole	167	8.891	8.885	(1.022)	1130983	33.9521	2300
	68 Di-n-butylphthalate	149	9.155	9.155	(1.053)	1413264	36.7869	2400

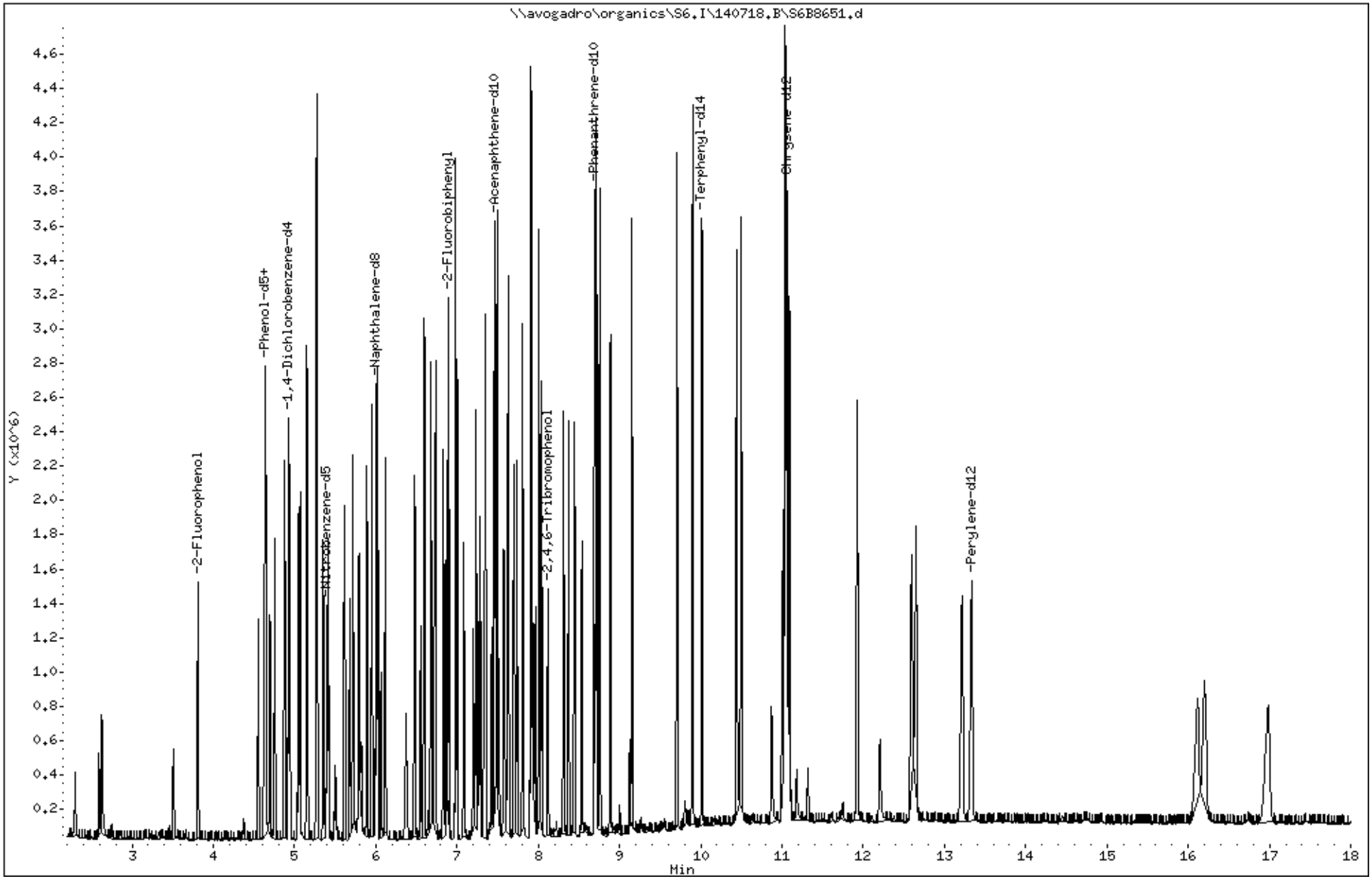
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Report Date: 21-Jul-2014 13:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	69 Fluoranthene	202	9.708	9.708	(1.116)	1493425	35.8686	2400
	70 Benzidine	184	9.807	9.807	(0.887)	59426	5.52654	370(a)
	71 Pyrene	202	9.901	9.901	(0.895)	1521185	38.7637	2600
$	72 Terphenyl-d14	244	10.019	10.019	(0.906)	1018485	39.9591	2700
	73 Butylbenzylphthalate	149	10.436	10.448	(0.944)	625466	37.5567	2500
	74 3,3'-Dichlorobenzidine	252	11.006	11.018	(0.995)	349830	27.0515	1800
	78 bis(2-Ethylhexyl)phthalate	149	11.035	11.047	(0.998)	879493	37.6197	2500
	75 Benzo(a)anthracene	228	11.047	11.059	(0.999)	1347048	37.0279	2500
*	76 Chrysene-d12	240	11.059	11.077	(1.000)	1274140	40.0000	
	77 Chrysene	228	11.088	11.106	(1.003)	1231542	36.8848	2400
	79 Di-n-octylphthalate	149	11.923	11.940	(0.894)	1532106	41.6291	2800
	80 Benzo(b)fluoranthene	252	12.598	12.610	(0.945)	1217467	39.5871	2600
	81 Benzo(k)fluoranthene	252	12.645	12.663	(0.948)	1169645	37.4575	2500
	82 Benzo(a)pyrene	252	13.215	13.233	(0.991)	1105189	37.6660	2500
*	83 Perylene-d12	264	13.333	13.356	(1.000)	1046054	40.0000	
	84 Indeno(1,2,3-cd)pyrene	276	16.112	16.124	(1.208)	959310	37.4703	2500
	85 Dibenzo(a,h)anthracene	278	16.200	16.218	(1.215)	937255	37.6273	2500
	86 Benzo(g,h,i)perylene	276	16.987	16.993	(1.274)	972238	36.7729	2400

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

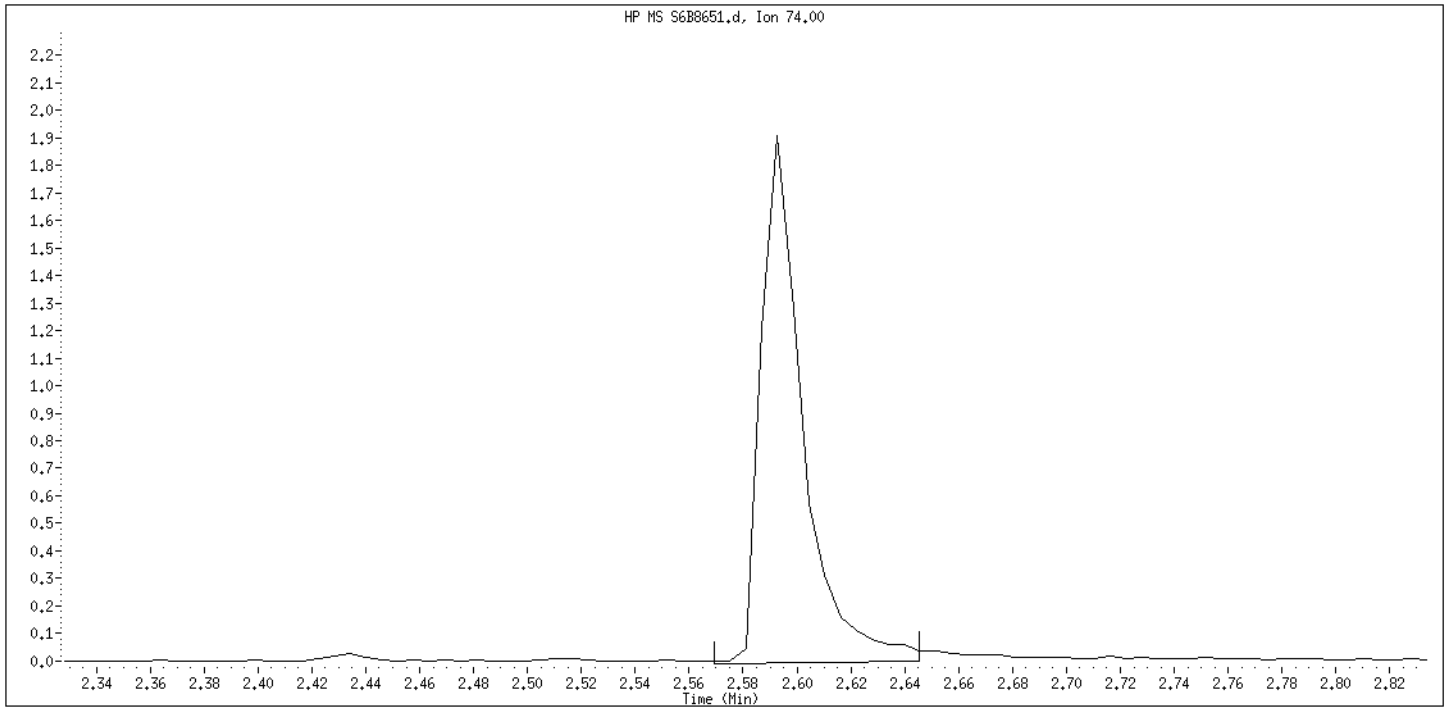
Data File: \\avogadro\organics\S6.I\140718.B\S6B8651.d
Date : 18-JUL-2014 12:24
Client ID: LCS-78076
Instrument: S6.i
Sample Info: LCS-78076,LCS-78076,78076
Volume Injected (uL): 1.0
Operator: TM SRC: LIMS
Column phase: Rxi-5Sil MS
Column diameter: 0.25



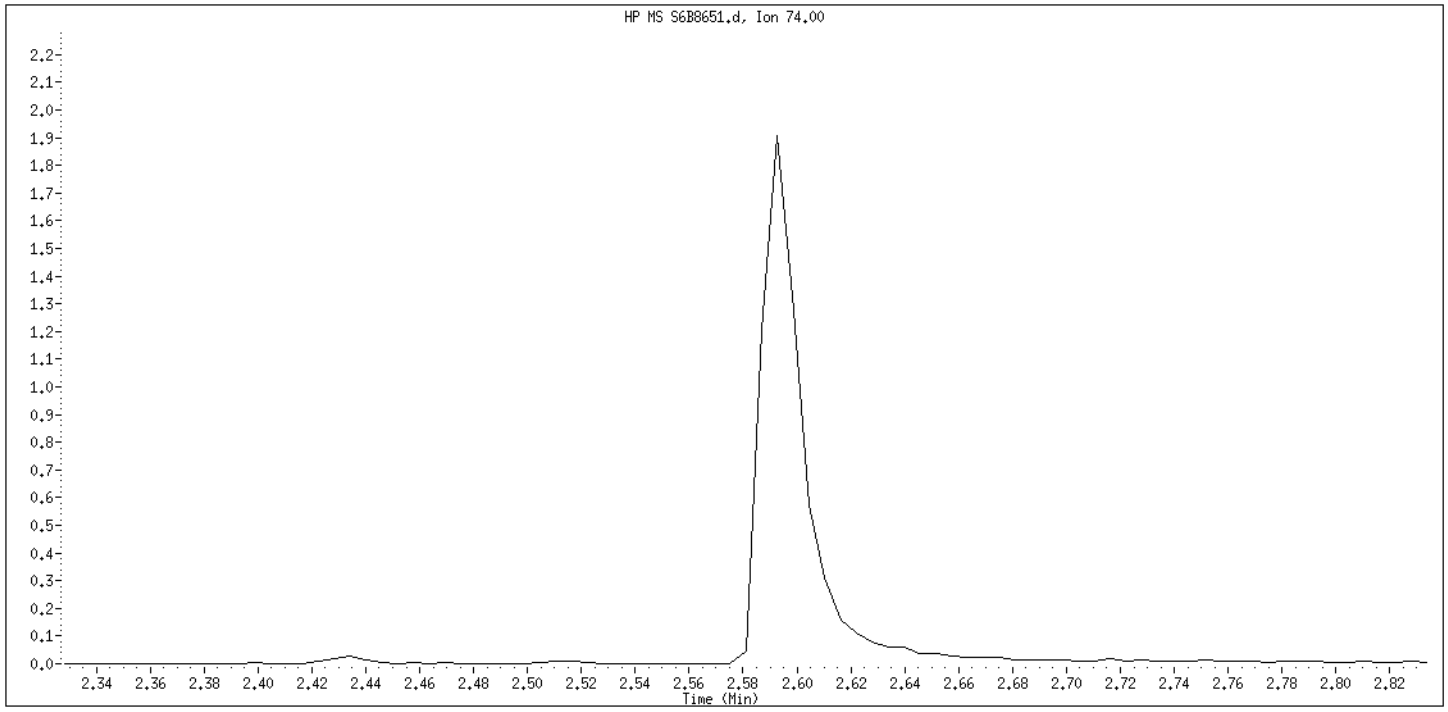
Manual Integration Report Data File: \\avogadro\organics\S6.I\140718.B\S6B8651.d

Lab ID: LCS-78076 Client ID: LCS-78076 Inj Vol: 1 uL
Inj Date: 18-JUL-2014 12:24 Operator: TM SRC: LIMS

Manual Integration N-Nitrosodimethylamine Ret Time: 2.593 min, Range: 2.569 to 2.646 min Response: 207812



Original Integration N-Nitrosodimethylamine Ret Time: 0.000 min, Range: 0.000 to 0.000 min Response: 0



Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

PREP BATCH REPORT

Prep Start Date: **07/14/2014 08:00**
Prep End Date: **07/14/2014 15:34**
Prep Batch ID: **78060**

Prep Code: **BNA_W_PR**
Technician: **Jodie B Warner**

Prep Type: **SEPF/SW3510C**

Prep Factor Units: **mL / mL**

QC Matrix: NA2SO4
QC Matrix Lot: **141513**

Solvent (1): MECL2
Solvent (1) Lot: **DK836**

Solvent (3): N/A
Solvent (3) Lot: N/A

Misc (2): N/A
Misc (2) Lot: N/A

Clean Up (1): N/A
Clean Up (1) Lot: N/A

Clean Up (3): N/A
Clean Up (1) Lot: N/A

Filter?: FILTER
Filter Lot: **FC003361**

Solvent (2): N/A
Solvent (2) Lot: N/A

Misc (1): N/A
Misc (1) Lot: N/A

Misc (3): N/A
Misc (3) Lot: N/A

Clean Up (2): N/A
Clean Up (2) Lot: N/A

Clean Up (4): N/A
Clean Up (4) Lot: N/A

Balance ID: N/A

Start Time: N/A
End Time: N/A

Cycles/Hour 0

Sonicator Tuned?N/A
BalanceID: N/A

Bath Temp1 (C): 87.0
Corr Fac: **0.0**

Therm ID1: MT-88
Corrected Temp: 87.0

Lab Sample ID	Client Samp ID	M	Initial (mL/g)	Final (mL)	Surrogate Spike ID	Surr (mL)	LCS/D MS/D Spike ID	Spike (mL)	A* Init	W* Init	Due Date	Bottle Number	Trans Date	Trans By	Storage	pH	pH >11	pH <2	SONC / CNCNT
MB-78060	BatchQC		1000	1	OSW140620B	1			JBW	TM			07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
LCS-78060	BatchQC		1000	1	OSW140620B	1	OSW140703B	1	JBW	TM			07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1172-02B	ET-01-070814-GRAB	A	1000	1	OSW140620B	1			JBW	TM	07/28/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1176-27A	RB-01-070814	A	1000	1	OSW140620B	1			JBW	TM	07/21/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1194-11A	GW-TP-01-071014	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1194-25A	GW-TP-03-071014	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1194-26A	GW-TP-02-071014	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1194-27A	FB-01-071014	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-01B	(211) MW-B	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-02B	(211) MW-D	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-03B	(211) MW-E	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-04B	(211) MW-F	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-05B	(211) MW-G	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-06B	(211) MW-H	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-07B	(211) MW-I	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-07BMS	(211) MW-I	A	1000	1	OSW140620B	1	OSW140703B	1	JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-07BMSD	(211) MW-I	A	1000	1	OSW140620B	1	OSW140703B	1	JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-08B	(211) MW-L	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-09B	(211) MW-M	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-10B	(211) MW-N	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1
N1200-14B	FB071014	A	1000	1	OSW140620B	1			JBW	TM	07/23/14	01	07/14/14	KNL	R7	7.0	☑	☑	N/A / KD 1

Kristin N Lewis — Analyst Reviewed — 07/14/2014 — Date

Jodie B Warner — Manager Reviewed — 07/14/2014 — Date

Comments:

*A = Analyst (Spiked) *W = Witnessed (Spike) *T = Transferred

KNL 7/14/14

Logbook ID: 50.0147-07/14

N1194
Page 612 of 1005

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

PREP BATCH REPORT

Prep Start Date: **07/15/2014 07:53**
Prep End Date: **07/16/2014 14:11**
Prep Batch ID: **78074**

Prep Code: **BNA_S_PR**
Technician: **Devin M Pierel**

Prep Type: **SONC/SW3550B**

Prep Factor Units: **mL / g**

QC Matrix: NA2SO4
QC Matrix Lot: 141513

Solvent (1): MECL2
Solvent (1) Lot: DK836

Solvent (3): N/A
Solvent (3) Lot: N/A

Misc (2): N/A
Misc (2) Lot: N/A

Clean Up (1): N/A
Clean Up (1) Lot: N/A

Clean Up (3): N/A
Clean Up (1) Lot: N/A

Filter?: FILTER
Filter Lot: FC003361

Solvent (2): ACE
Solvent (2) Lot: 135497

Misc (1): N/A
Misc (1) Lot: N/A

Misc (3): N/A
Misc (3) Lot: N/A

Clean Up (2): N/A
Clean Up (2) Lot: N/A

Clean Up (4): N/A
Clean Up (4) Lot: N/A

Balance ID: TL1

Start Time: N/A
End Time: N/A

Cycles/Hour 0

Sonicator Tuned?Yes
BalanceID: TL1

Bath Temp1 (C): 87.0
Corr Fac: 0.0

Therm ID1: MT-88
Corrected Temp: 87.0

Lab Sample ID	Client Samp ID	M	Initial (mL/g)	Final (mL)	Surrogate Spike ID	Surr (mL)	LCS/D MS/D Spike ID	Spike (mL)	A* Init	W* Init	Due Date	Bottle Number	Trans Date	Trans By	Storage	pH	pH >11	pH <2	SONC / CNCNT
MB-78074	BatchQC		15	1	OSW140620B	1			JBW	DMP			07/16/14	AMC	R7		☐	☐	N/A / KD 1
LCS-78074	BatchQC		15	1	OSW140620B	1	OSW140703B	1	JBW	DMP			07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1181-01A	SS-01-070914	S	15	1	OSW140620B	1			JBW	DMP	07/22/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1181-02A	SS-02-070914	S	15.3	1	OSW140620B	1			JBW	DMP	07/22/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1181-03A	SS-03-070914	S	15.4	1	OSW140620B	1			JBW	DMP	07/22/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1181-04A	SS-04-070914	S	15.4	1	OSW140620B	1			JBW	DMP	07/22/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1181-05A	SS-FD-01-070914	S	15	1	OSW140620B	1			JBW	DMP	07/22/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1181-06A	SS-05-070914	S	15	1	OSW140620B	1			JBW	DMP	07/22/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1181-07A	SS-06-070914	S	15.2	1	OSW140620B	1			JBW	DMP	07/22/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1181-08A	SS-07-070914	S	15.4	1	OSW140620B	1			JBW	DMP	07/22/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1181-09A	SS-08-070914	S	15.2	1	OSW140620B	1			JBW	DMP	07/22/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1181-10A	SS-09-070914	S	15.2	1	OSW140620B	1			JBW	DMP	07/22/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1181-11A	SS-10-070914	S	15.1	1	OSW140620B	1			JBW	DMP	07/22/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1181-12A	SS-FD-02-070914	S	15.1	1	OSW140620B	1			JBW	DMP	07/22/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1194-01A	SS-11-071014	S	15.2	1	OSW140620B	1			JBW	DMP	07/23/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1194-01AMS	SS-11-071014	S	15.2	1	OSW140620B	1	OSW140703B	1	JBW	DMP	07/23/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1194-01AMSD	SS-11-071014	S	15.2	1	OSW140620B	1	OSW140703B	1	JBW	DMP	07/23/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1194-02A	SS-12-071014	S	15	1	OSW140620B	1			JBW	DMP	07/23/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1194-03A	SS-13-071014	S	15.3	1	OSW140620B	1			JBW	DMP	07/23/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1194-04A	SS-14-071014	S	15.1	1	OSW140620B	1			JBW	DMP	07/23/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1194-05A	SS-15-071014	S	15.3	1	OSW140620B	1			JBW	DMP	07/23/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1194-06A	SS-16-071014	S	15.5	1	OSW140620B	1			JBW	DMP	07/23/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1194-07A	SS-17-071014	S	15.4	1	OSW140620B	1			JBW	DMP	07/23/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1
N1194-08A	SS-18-071014	S	15	1	OSW140620B	1			JBW	DMP	07/23/14	01	07/16/14	AMC	R7		☐	☐	N/A / KD 1

Analisa M Caruso — 07/16/2014
Analyst Reviewed — Date

Jodie B Warner — 07/16/2014
Manager Reviewed — Date

Comments:

*A = Analyst (Spiked) *W = Witnessed (Spike) *T = Transferred

Logbook ID: 50.0147-07/14

AC 7/16/14

P1194 P905 of 1005

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

PREP BATCH REPORT

SW1194

Prep Start Date: **07/15/2014 08:01**
Prep End Date: **07/17/2014 09:51**
Prep Batch ID: **78076**

Prep Code: **BNA_S_PR**
Technician: **Devin M Pierel**

Prep Type: **SONC/SW3550B**

Prep Factor Units: **mL / g**

QC Matrix: NA2SO4
QC Matrix Lot: **141513**

Solvent (1): MECL2
Solvent (1) Lot: **DK836**

Solvent (3): N/A
Solvent (3) Lot: N/A

Misc (2): N/A
Misc (2) Lot: N/A

Clean Up (1): N/A
Clean Up (1) Lot: N/A

Clean Up (3): N/A
Clean Up (1) Lot: N/A

Filter?: FILTER
Filter Lot: **FC003361**

Solvent (2): ACE
Solvent (2) Lot: **135497**

Misc (1): N/A
Misc (1) Lot: N/A

Misc (3): N/A
Misc (3) Lot: N/A

Clean Up (2): N/A
Clean Up (2) Lot: N/A

Clean Up (4): N/A
Clean Up (4) Lot: N/A

Balance ID: TL1

Start Time: N/A
End Time: N/A

Cycles/Hour 0

Sonicator Tuned?Yes
BalanceID: TL1

Bath Temp1 (C): 87.0
Corr Fac: 0.0

Therm ID1: MT-88
Corrected Temp: 87.0

Lab Sample ID	Client Samp ID	M	Initial (mL/g)	Final (mL)	Surrogate Spike ID	Surr (mL)	LCS/D MS/D Spike ID	Spike (mL)	A* Init	W* Init	Due Date	Bottle Number	Trans Date	Trans By	Storage	pH	pH >11	pH <2	SONC / CNCNT
MB-78076	BatchQC		15	1	OSW140620B	1							07/17/14	AMC	R7		☐	☐	N/A / KD 1
LCS-78076	BatchQC		15	1	OSW140620B	1	OSW140703B	1					07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-09A	SS-19-071014	S	15.2	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-10A	SS-20-071014	S	15.4	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-12A	SS-21-071014	S	15.3	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-13A	SS-22-071014	S	15.2	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-14A	SS-23-071014	S	15.5	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-14AMS	SS-23-071014	S	15.5	1	OSW140620B	1	OSW140703B	1			07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-14AMSD	SS-23-071014	S	15.5	1	OSW140620B	1	OSW140703B	1			07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-15A	SS-24-071014	S	15.3	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-16A	SS-FD-03-071014	S	15.1	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-17A	SS-25-071014	S	15.5	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-18A	SS-26-071014	S	15.3	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-19A	SS-27-071014	S	15	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-20A	SS-28-071014	S	15.1	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-21A	SS-29-071014	S	15.1	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-22A	SS-30-071014	S	15.1	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-23A	SS-31-071014	S	15.3	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1
N1194-24A	SS-32-071014	S	15	1	OSW140620B	1					07/23/14	01	07/17/14	AMC	R7		☐	☐	N/A / KD 1

Analisa M Caruso — 07/17/2014
Analyst Reviewed — Date

Jodie B Warner — 07/17/2014
Manager Reviewed — Date

Comments:

*A = Analyst (Spiked) *W = Witnessed (Spike) *T = Transferred

KNL 7/17/14

Logbook ID: 50.0147-07/14

Percent Moisture and Percent Solids Report

Lab Sample ID	Client Sample ID	Analyzed	Percent Moisture	Percent Solids	Validated
N1194-01A	SS-11-071014	07/14/2014	14.863	85.137	Yes
N1194-02A	SS-12-071014	07/14/2014	15.689	84.311	Yes
N1194-03A	SS-13-071014	07/14/2014	13.237	86.763	Yes
N1194-04A	SS-14-071014	07/14/2014	14.858	85.142	Yes
N1194-05A	SS-15-071014	07/14/2014	18.605	81.395	Yes
N1194-06A	SS-16-071014	07/14/2014	14.565	85.435	Yes
N1194-07A	SS-17-071014	07/14/2014	13.738	86.262	Yes
N1194-08A	SS-18-071014	07/14/2014	17.993	82.007	Yes
N1194-09A	SS-19-071014	07/14/2014	13.568	86.432	Yes
N1194-10A	SS-20-071014	07/14/2014	13.570	86.430	Yes
N1194-12A	SS-21-071014	07/14/2014	11.263	88.737	Yes
N1194-13A	SS-22-071014	07/14/2014	13.889	86.111	Yes
N1194-14A	SS-23-071014	07/14/2014	13.333	86.667	Yes
N1194-15A	SS-24-071014	07/14/2014	18.487	81.513	Yes
N1194-16A	SS-FD-03-071014	07/14/2014	16.348	83.652	Yes
N1194-17A	SS-25-071014	07/14/2014	16.369	83.631	Yes
N1194-18A	SS-26-071014	07/14/2014	12.106	87.894	Yes
N1194-19A	SS-27-071014	07/14/2014	17.780	82.220	Yes
N1194-20A	SS-28-071014	07/14/2014	17.098	82.902	Yes
N1194-21A	SS-29-071014	07/14/2014	13.944	86.056	Yes
N1194-22A	SS-30-071014	07/14/2014	12.020	87.980	Yes
N1194-23A	SS-31-071014	07/14/2014	14.867	85.133	Yes
N1194-24A	SS-32-071014	07/14/2014	19.733	80.267	Yes

N1194

Logbook ID: 70.0195-05/14

Instrument S6
Injection Log

Spectrum Analytical, Inc. RI Div. SEMIVOLATILES LABORATORY

Spectrum Analytical, Inc. RI Division S6 Injection Log
Semivolatiles Laboratory

METHOD: 8270
ICAL DATE: ~~7/10/14~~ 7/16/14

ANALYST: TM
EMV: 2141

BATCH: 140710.B

Start: 10-JUL-14 10:11
End: 10-JUL-14 20:50

Tune: SI140219A
L1: SW140228A
L2: SW140228B
L3: SW140617A
L4: SW140228D
L5: SW140228E
L6: SW140228F

Internal Standard: SI1404 16A
Comments:

Inlet Maintenance By: TM
Liner : New
Column : Cut
Inlet Seal: New
Septum : New

Reviewed By: GS 7/11/14

Manual Integration: TM 7/11/14 MI Review: GS 7/11/14

ICV: SW140228G

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	FBP	TPH	ACID PHL	2FP	TBP	OLM DCB	2CP	DILN	FLG	COMMENTS
S6B8390	10:11	DFTPP6A	DFTPP6A		AQ															1		OK Tune
S6B8391	10:41	SSTD0256A	SSTD0256A		AQ	100	100	100	100	100	100									1		MI_109_108_84_85_86 ~~OK~~ Not used
S6B8391A	11:14	SSTD0256A	SSTD0256A		AQ	100	100	100	100	100	100									1		OK
S6B8392	11:57	SSTD0806A	SSTD0806A		AQ	88	99	85	85	91	97									1		OK ICAL
S6B8393	12:20	SSTD0056A	SSTD0056A		AQ	151	145	155	155	160	171									1		8270
S6B8394	12:43	SSTD0606A	SSTD0606A		AQ	123	130	118	116	123	132									1		~~8~~
S6B8395	13:06	SSTD0106A	SSTD0106A		AQ	144	139	147	150	161	167									1		
S6B8396	13:29	SSTD0406A	SSTD0406A		AQ	150	152	150	147	150	162									1		
S6B8397	13:52	SICV0256A	SICV0256A		AQ	90	91	90	90	96	103	49	51	51	24	50	50			1		OK ICV
S6B8398	14:16	MB-77873	MB-77873	77873	SL	142	134	142	138	130	120	78	73	78	68	70	69			1		OK
S6B8399	14:39	MB-77992	MB-77992	77992	SL	115	108	111	108	103	93	82	79	85	72	72	74			1		
S6B8400	15:02	LCS-77992	LCS-77992	77992	SL	130	122	126	122	107	98	84	79	89	74	77	78			1	R	
S6B8401	15:25	N1128-11A	(211) TB-115 (2	77873	SL	139	129	130	123	106	93	76	72	82	64	65	71			1		
S6B8402	15:49	N1128-12A	(211) TB-120 (1	77873	SL	112	103	104	99	83	74	79	77	90	66	69	72			1		
S6B8403	16:12	N1128-13A	(211) TB-113 (2	77873	SL	100	92	95	91	85	78	88	73	81	67	64	58			1	E	DL 2x extract
S6B8404	16:35	N1128-15A	(211) TB-102 (1	77873	SL	113	102	105	100	91	79	72	71	82	62	63	68			1		
S6B8405	16:59	N1128-16A	(211) TB-124 (2	77873	SL	110	101	102	97	83	82	72	71	80	61	64	68			1	E	DL 4X
S6B8406	17:22	N1128-18A	(211) TB-119 (1	77873	SL	113	105	106	100	88	75	76	74	83	65	66	73			1		
S6B8407	17:45	N1128-19A	(211) TB-109 (1	77873	SL	109	95	95	87	75	78	67	62	71	54	56	58			1		
S6B8408	18:08	N1128-20A	(211) TB-107 (1	77873	SL	115	102	100	92	76	98	72	72	84	60	62	71			1	E	DL 10X
S6B8409	18:31	N1128-21A	(211) TB-107 (2	77873	SL	112	103	110	105	98	110	67	58	64	54	52	52			1		DL 2X
S6B8410	18:55	N1128-13ADL	(211) TB-113 (2	77873	SL	94	85	83	78	77	92	65	72	71	60	56	55			2		Not Needed
S6B8411	19:18	N1128-16ADL	(211) TB-124 (2	77873	SL	92	83	82	77	79	97	66	65	63	54	55	60			4		
S6B8412	19:41	N1128-20ADL	(211) TB-107 (1	77873	SL	96	89	90	87	94	107	59	60	60	50	52	56			10		MI_85
S6B8413	20:04	N1128-21ADL	(211) TB-107 (2	77873	SL	109	99	101	95	88	99	67	62	66	56	54	52			2		Not Needed
S6B8414	20:27	N1154-01A	RS-BF-A116-0702	77992	SL	111	97	96	87	78	94	55	55	63	45	47	54			1		
S6B8415	20:50	N1154-02A	RS-BF-A117-0702	77992	SL	118	103	101	91	77	96	66	67	71	54	56	64			1		OH

* Internal Standard or Surrogate outside of control limits
E One or more target compounds are above the calibration range
T Sample was injected outside of the 12 hour sequence
R - One or more spike compounds are outside of control limits
D - Surrogates are diluted

29 ~~8~~ Benzaldehyde > 20% RSD Does not meet Linear
Atrazine
Benzidine

TM 7/11/14

N1194

Logbook ID: 70.0195-05/14

Instrument S6
Injection Log

Spectrum Analytical, Inc. RI Div. SEMIVOLATILES LABORATORY

Spectrum Analytical, Inc. RI Division S6 Injection Log
Semivolatiles Laboratory

METHOD: 8270
ICAL DATE: 7/10/14
ANALYST: TM
EMV: 2141

BATCH: 140715A.B

Start: 15-JUL-14 15:07
End: 16-JUL-14 05:12

Internal Standard: SI140416A
Comments:

Tune: SI140219A
IS: SW140617A

Inlet Maintenance By: NA
Liner :
Column :
Inlet Seal:
Septum :

Reviewed By: 7/16/14
Manual Integration: TM 7/16/14 MI Review: 7/16/14 ICV:

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	BN FBP	BN TPH	ACID PHL	ACID 2FP	ACID TBP	OLM DCB	OLM 2CP	DILN	FLG	COMMENTS
S6B8519	15:07	DFTPP6G	DFTPP6G		AQ															1		OK Tune
S6B8520	15:33	SSTD0256G	SSTD0256G		AQ	100	100	100	100	100	100									1		OK CCV
S6B8521	16:01	MB-78060	MB-78060	78060	AQ	112	105	113	111	117	120	72	66	72	63	59	69			1		MI_1_7 OK
S6B8522	16:24	LCS-78060	LCS-78060	78060	AQ	107	102	114	115	123	133	73	66	72	65	61	70			1	R	MI_1_7
S6B8523	16:48	MB-78048	MB-78048	78048	SL	129	116	116	105	79	70	100	94	119	85	85	88			1		
S6B8524	17:11	LCS-78048	LCS-78048	78048	SL	121	106	104	95	78	77	94	91	116	80	82	97			1		
S6B8524A	17:34	MB-78046	MB-78046	78046	AQ	126	114	119	112	100	89	84	78	90	75	75	79			1		
S6B8524B	17:58	LCS-78046	LCS-78046	78046	SL	124	111	114	105	86	78	81	78	94	72	74	82			1		MI_7
S6B8525	18:21	N1176-27A	RB-01-070814	78060	AQ	89	83	91	91	95	95	97	86	84	15	22	78			1		
S6B8526	18:44	N1151-04ADL	(202) SS-04DL	78001	SL	119	109	110	102	88	97	67	64	71	61	61	60			2		
S6B8527	19:07	N1151-09ADL	(202) SS-09DL	78001	SL	125	115	118	111	102	111	52	51	59	49	48	48			5		
S6B8528	19:30	N1151-10ADL	(202) SS-10DL	78001	SL	92	89	96	99	109	112	61	58	62	60	58	56			4		
S6B8529	19:54	N1151-21ADL	(211) MW-G (1-3	78001	SL	97	90	95	92	92	96	65	61	66	59	59	60			2	E	+01 2x
S6B8530	20:17	N1175-01A	RS-BF-A119-0708	78048	SL	104	95	96	88	65	72	70	68	110	65	63	81			1		
S6B8531	20:40	N1175-02A	RS-BF-A120-0708	78048	SL	95	87	89	82	69	72	84	79	110	75	76	88			1		OK
S6B8532	21:04	N1175-03A	RS-BF-A121-0708	78048	SL	112	102	90	87	59	32*	83	89	121	68	76	89			1		Re-Run
S6B8533	21:27	N1176-01A	SB-01-10-070714	78046	SL	112	100	101	94	76	74	77	72	70	68	69	77			1		MI_81 OK
S6B8534	21:50	N1176-02A	SB-02-10-070714	78046	SL	113	104	107	96	69	70	79	73	98	71	73	71			1		
S6B8535	22:14	N1176-03A	SB-03-10-070714	78046	SL	124	111	110	98	71	77	78	74	99	67	69	72			1		
S6B8536	22:37	N1176-04A	SB-04-10-070714	78046	SL	111	98	92	79	59	75	79	78	94	67	69	73			1		MI_85
S6B8537	23:00	N1176-05A	SB-05-10-070714	78046	SL	116	106	106	92	71	78	76	73	94	69	71	72			1		
S6B8538	23:23	N1176-06A	SB-06-10-070714	78046	SL	121	107	101	88	70	93	79	77	86	68	70	71			1		
S6B8539	23:47	N1176-07A	FD-01-070714	78046	SL	117	103	99	85	69	89	73	73	81	64	64	68			1		
S6B8540	00:10	N1176-08A	SB-07-03-070714	78046	SL	108	98	99	90	74	79	60	58	74	52	50	37			1		
S6B8541	00:33	N1176-09A	SB-07-10-070714	78046	SL	116	103	101	87	62	71	68	68	83	60	59	57			1		MI_84_85
S6B8542	00:56	N1176-10A	SB-08-04-070714	78046	SL	107	95	95	85	75	88	67	66	79	57	58	63			1		MI_85
S6B8543	01:20	N1176-11A	SB-09-04-070814	78046	SL	123	110	107	89	66	81	73	70	86	62	63	73			1		MI_85
S6B8544	01:43	N1176-12A	SB-12-10-070814	78046	SL	107	97	98	88	72	82	68	66	84	61	62	64			1		MI_85
S6B8545	02:06	N1176-13A	SB-13-08-070814	78046	SL	84	77	80	78	82	90	68	67	76	60	61	69			1		MI_85
S6B8546	02:29	N1176-14A	SB-14-10-070814	78046	SL	118	105	102	89	66	80	76	74	91	66	66	72			1		OK

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range
H - Sample was injected outside of the 12 hour sequence
R - One or more spike compounds are outside of control limits
D - Surrogates are diluted

TM 7/16/14

N1194

Logbook ID: 70.0195-05/14

Instrument S6
Injection Log

Spectrum Analytical, Inc. RI Div. SEMIVOLATILES LABORATORY

Spectrum Analytical, Inc. RI Division S6 Injection Log
Semivolatiles Laboratory

METHOD: 8270
ICAL DATE: 7/10/14

ANALYST: TM
EMV: 2141

BATCH: 140715A.B

Start: 15-JUL-14 15:07
End: 16-JUL-14 05:12

Internal Standard:
Comments: See Previous Page

Inlet Maintenance By: MA
Liner :
Column :
Inlet Seal: I
Septum : —

Reviewed By: _____ Manual Integration: TM 7/16/14 MI Review: _____ ICV: _____

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	FBP	TPH	ACID PHL	2FP	TBP	OLM DCB	2CP	DILN	FLG	COMMENTS
S6B8547	02:53	N1176-15A	SB-15-08-070814	78046	SL	105	91	89	75	59	79	65	64	78	56	57	63			1		OK
S6B8548	03:16	N1176-16A	SB-16-10-070814	78046	SL	118	105	97	83	74	96	72	73	76	63	65	65			1	T	
S6B8549	03:39	N1176-21A	SB-10-10-070814	78046	SL	109	99	96	82	66	83	67	68	82	60	61	66			1	T	RE-Run
S6B8550	04:03	N1176-21AMS	SB-10-10-070814	78046	SL	107	94	89	75	64	86	77	79	84	67	70	71			1	T	MI_78 Tune Time
S6B8551	04:26	N1176-21AMSD	SB-10-10-070814	78046	SL	109	96	94	79	64	86	71	73	87	62	61	75			1	T	MI_78
S6B8552	04:49	N1176-22A	SB-11-10-070814	78046	SL	112	99	96	83	68	95	75	79	88	66	67	77			1	E T	+DL 10x
S6B8553	05:12	N1176-23A	FD-02-070814A	78046	SL	110	98	94	79	62	83	72	74	81	63	66	66			1	E T	+DL 2x

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range
T - Sample was injected outside of the 12 hour sequence
R - One or more spike compounds are outside of control limits
D - Surrogates are diluted

Daily Maintenance	
Gold Seal	
Liner	
Clipped Column	
Ferrule	

Comments: _____

TM 7/16/14

Logbook ID: 70.0195-05/14

Instrument S6
Injection Log

Spectrum Analytical, Inc. RI Div. SEMIVOLATILES LABORATORY

N11194

Spectrum Analytical, Inc. RI Division S6 Injection Log
Semivolatiles Laboratory

METHOD: 8270
ICAL DATE: 7/10/14
ANALYST: Tm
EMV: 2141

BATCH: 140716A.B

Start: 16-JUL-14 17:11
End: 17-JUL-14 07:40

Tune: SI140219A
L3: SW140617A

Internal Standard:
Comments: SI140416A

Inlet Maintenance By: Tm
Liner : new
Column : cut
Inlet Seal: new
Septum : new

Reviewed By: CM 7/17/14

Manual Integration: Tm 7/17/14 MI Review: CM 7/17/14 ICV: _____

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	BN FBP	BN TPH	ACID PHL	ACID 2FP	ACID TBP	OLM DCB	OLM 2CP	DILN	FLG	COMMENTS
S6B8578A	17:11	DFTPP6H	DFTPP6H		AQ															1		OK Tune
S6B8579	17:35	SSTD0256H	SSTD0256H		AQ	100	100	100	100	100	100									1		
S6B8580	18:09	6041MB	6041MB	455	AQ	80	79	81	80	79	76	77	65	77	70	63	72			1		MI_7 OK OCCV
S6B8581	18:32	6042LCS	6042LCS	455	AQ	123	117	118	111	99	96	86	79	88	75	70	82			1		OK
S6B8582	18:56	6043LCSD	6043LCSD	455	AQ	132	127	130	122	106	94	79	72	88	70	61	82			1	R	MI_1_2_70
S6B8583	19:19	6053MB	6053MB	458BA	AQ	110	106	110	106	96	89	83	76	84	75	66	78			1	R	MI_1_2_70
S6B8584	19:42	6054LCS	6054LCS	458BA	AQ	111	107	108	103	94	90	85	80	85	74	69	81			1		
S6B8585	20:05	6055LCSD	6055LCSD	458BA	AQ	106	101	105	100	86	77	86	77	85	73	64	80			1	R	MI_1_2_70
S6B8586	20:28	MB-78074	MB-78074	78074	SL	85	85	88	84	76	73	87	79	86	86	84	81			1	R	MI_1_2
S6B8587	20:51	LCS-78074 Tm	LCS-78074	78074	SL	125	122	125	124	114	112	86	80	85	83	83	82			1		
S6B8588	21:14	N1175-03A 7/17/14	RS-BF-A121-0708	78048	SL	132	124	110	109	85	23*	73	76	87	63	66	77			1	R	MI_1
S6B8589	21:37	N1176-21ADL 2141	(211)MW-GCI-3	78001	AQ	27*	28*	30*	32*	41*	48*	67	59	51	70	67	56			1		OK
S6B8590	22:01	N1176-16A	SB-16-10-070814	78046	SL	98	96	94	86	93	80	71	69	64	66	65	60			1		Confirmation
S6B8591	22:24	N1176-21A	SB-10-10-070814	78046	SL	170	157	147	123	87	69	66	68	83	60	61	64			4		MI_77_81 Re-Run
S6B8592	22:47	N1176-21AMS	SB-10-10-070814	78046	SL	142	131	125	108	82	69	76	77	87	69	67	73			1		OK
S6B8593	23:10	N1176-21AMSD	SB-10-10-070814	78046	SL	69	69	74	72	81	86	67	67	67	66	66	71			1		
S6B8594	23:34	N1176-22A	SB-11-10-070814	78046	SL	81	80	85	88	93	79	74	70	75	70	69	70			1		
S6B8595	23:57	N1176-23A	FD-02-070814A	78046	SL	85	82	89	91	95	90	70	67	65	66	65	64			1		OK
S6B8596	00:20	N1176-22ADL	SB-11-10-070814	78046	SL	69	68	73	74	82	89	67	62	61	64	55	61			1	E	DL 10X
S6B8597	00:43	N1176-23ADL	FD-02-070814ADL	78046	SL	101	101	109	109	110	104	67	63	62	63	63	58			1	E	DL 2X
S6B8598	01:06	N1181-01A	SS-01-070914	78074	SL	79	90	111	118	128	116	72	67	70	80	74	72			10		OK
S6B8599	01:29	N1181-02A	SS-02-070914	78074	SL	74	83	98	99	100	95	79	74	79	87	79	82			2		MI_85 OK
S6B8600	01:53	N1181-03A	SS-03-070914	78074	SL	128	120	117	105	91	79	79	78	83	71	74	78			1	E	MI_84 DL 10X
S6B8601	02:16	N1181-04A	SS-04-070914	78074	SL	116	117	130	134	135	120	83	78	80	80	77	78			1	E	DL 2X
S6B8602	02:39	N1181-05A	SS-FD-01-070914	78074	SL	128	117	116	105	92	81	79	78	87	71	71	83			1		OK
S6B8603	03:02	N1181-06A	SS-05-070914	78074	SL	145	135	130	110	79	75	80	77	96	70	72	81			1		
S6B8604	03:25	N1181-07A	SS-06-070914	78074	SL	78	79	84	85	92	82	76	74	79	76	72	82			1		
S6B8605	03:49	N1181-08A	SS-07-070914	78074	SL	118	108	106	94	83	73	77	76	84	70	69	79			1		
S6B8606	04:12	N1181-09A	SS-08-070914	78074	SL	95	99	109	109	104	92	78	77	86	78	73	82			1		
S6B8607	04:35	N1181-10A	SS-09-070914	78074	SL	83	91	103	106	106	99	69	66	68	73	70	68			1		OK

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range
T - Sample was injected outside of the 12 hour sequence

R - One or more spike compounds are outside of control limits
D - Surrogates are diluted

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Tm 7/17/14

N1194

Logbook ID: 70.0195-05/14

Instrument S6
Injection Log

Spectrum Analytical, Inc. RI Div. SEMIVOLATILES LABORATORY

Spectrum Analytical, Inc. RI Division S6 Injection Log
Semivolatiles Laboratory

METHOD: 8270
ICAL DATE: 7/10/14

ANALYST: TM
EMV: 2141

BATCH: 140716A.B

Start: 16-JUL-14 17:11
End: 17-JUL-14 07:40

Internal Standard:
Comments: See Previous Page

Inlet Maintenance By: TM
Liner : new
Column : Cut
Inlet Seal: new
Septum : new

Reviewed By: 07/17/14

Manual Integration: TM 7/17/14 MI Review: 07/17/14 ICV: _____

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	BN FBP	BN TPH	ACID PHL	ACID 2FP	ACID TBP	OLM DCB	OLM 2CP	DILN	FLG	COMMENTS
S6B8608	04:58	N1181-11A	SS-10-070914	78074	SL	96	109	126	131	132	121	79	76	85	89	78	86			1	E	MI_84 OK DL SX
S6B8609	05:21	N1181-12A	SS-FD-02-070914	78074	SL	100	100	104	105	92	84	81	79	96	80	79	82			1	E T	Re-Run Tune Time + DL SX
S6B8610	05:44	501065401	WETWELL	455	AQ	155	145	146	133	99	89	86	66	22	81	71	89			40	T	
S6B8611	06:07	501065601	WETWELL	455	AQ	102	99	104	105	105	90	96	69	20	84	73	81			40	T	
S6B8612	06:30	501065801	WETWELL	455	AQ	139	136	137	127	97	85	90	72	18	82	76	89			40	T	625 24 hour TT
S6B8613	06:54	501066001	WETWELL	458	AQ	105	103	108	104	98	83	95	69	18	90	71	89			40	T	DRO OK
S6B8614	07:17	501066201	WETWELL	458	AQ	112	110	116	111	99	85	96	59	14	89	72	82			40	T	
S6B8615	07:40	501066401	WETWELL	458	AQ	151	142	144	133	88	83	87	62	22	76	69	75			40	T	

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range
T - Sample was injected outside of the 12 hour sequence
R - One or more spike compounds are outside of control limits
D - Surrogates are diluted

TM 7/17/14

Daily Maintenance	
Gold Seal	
Liner	
Clipped Column	
Ferrule	

Comments: _____

N1194

Logbook ID: 70.0195-05/14

Instrument S6
Injection Log

Spectrum Analytical, Inc. RI Div. SEMIVOLATILES LABORATORY

Spectrum Analytical, Inc. RI Division S6 Injection Log
Semivolatiles Laboratory

METHOD: 8270 ANALYST: TM
ICAL DATE: 7/10/14 EMV: 2141

BATCH: 140717.B

Start: 17-JUL-14 10:31
End: 17-JUL-14 22:48

Tune: SI140219A
23: SW140617A

Internal Standard: SI1404164
Comments:

Inlet Maintenance By: TM
Liner : new
Column : Cut
Inlet Seal: new
Septum : new

Reviewed By: 7/18/14 Manual Integration: TM 7/18/14 MI Review: 7/18/14 ICV: _____

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	FBP	TPH	ACID PHL	2FP	TBP	OLM DCB	2CP	DILN	FLG	COMMENTS
S6B8616	10:31	DFTPP6J	DFTPP6J		AQ															1		OK Tune
S6B8617	10:47	SSTD0256J	SSTD0256J		AQ	100	100	100	100	100	100									1		MI_7 OK OCCV
S6B8618	11:33	N1151-21ADL	(211) MW-G (1-3	78001	SL	99	91	93	88	87	86	69	66	63	57	59	62			4		MI_75_81 GK
S6B8619	11:56	N1181-12A	SS-FD-02-070914	78074	SL	102	90	88	79	77	90	85	86	86	69	70	83			1	E	
S6B8620	12:19	N1181-01ADL	SS-01-070914DL	78074	SL	104	97	101	97	100	102	91	85	86	74	75	77			10		
S6B8621	12:42	N1181-02ADL	SS-02-070914DL	78074	SL	94	87	87	81	83	88	79	77	77	66	67	74			2		
S6B8622	13:05	N1181-11ADL	SS-10-070914DL	78074	SL	104	95	101	96	98	98	72	74	81	64	63	73			5		
S6B8623	13:29	N1181-12ADL	SS-FD-02-070914	78074	SL	104	95	99	94	97	99	75	76	80	66	64	71			5		
S6B8624	13:52	N1194-11A	GW-TP-01-071014	78060	AQ	75	71	74	72	73	72	103	98	63	17	28	99			1		
S6B8625	14:15	N1194-25A	GW-TP-03-071014	78060	AQ	77	73	77	76	77	75	102	97	72	15	25	84			1		
S6B8626	14:39	N1194-26A	GW-TP-02-071014	78060	AQ	80	74	78	75	78	76	98	94	61	16	24	86			1		
S6B8627	15:02	N1194-27A	FB-01-071014	78060	AQ	75	71	77	74	76	74	111*	103	97	17	30	104			1		
S6B8628	15:26	N1194-01A	SS-11-071014	78074	SL	108	98	97	85	75	83	81	78	84	67	70	78			1		
S6B8629	15:49	N1194-01AMS	SS-11-071014MS	78074	SL	98	88	89	79	77	86	87	86	88	70	71	88			1	R	
S6B8630	16:12	N1194-01AMSD	SS-11-071014MSD	78074	SL	75	69	70	66	70	76	94	94	92	81	82	94			1	R	
S6B8631	16:36	N1194-02A	SS-12-071014	78074	SL	94	85	85	77	82	90	90	88	86	73	75	90			1		
S6B8632	16:59	N1194-03A	SS-13-071014	78074	SL	104	93	92	81	80	92	94	92	92	76	78	90			1		
S6B8633	17:23	N1194-04A	SS-14-071014	78074	SL	99	89	87	79	84	92	89	89	83	73	74	85			1		MI_85
S6B8634	17:46	N1194-05A	SS-15-071014	78074	SL	92	80	81	73	80	88	87	87	84	71	71	81			1		MI_85
S6B8635	18:09	N1194-06A	SS-16-071014	78074	SL	94	84	84	75	78	90	86	83	86	70	72	86			1		
S6B8636	18:33	N1194-07A	SS-17-071014	78074	SL	113	102	102	89	97	108	93	91	82	76	80	91			1		MI_85
S6B8637	18:56	N1194-08A	SS-18-071014	78074	SL	90	81	83	75	87	94	86	84	81	71	73	83			1		
S6B8638	19:19	N1194-09A	SS-19-071014	78076	SL	95	85	85	75	77	87	72	74	72	60	62	72			1		
S6B8639	19:42	N1194-10A	SS-20-071014	78076	SL	91	80	79	73	81	90	77	78	72	63	65	77			1		MI_85
S6B8640	20:05	N1194-12A	SS-21-071014	78076	SL	91	83	82	76	84	92	82	82	75	67	70	79			1		
S6B8641	20:29	N1194-13A	SS-22-071014	78076	SL	87	78	79	72	80	87	73	72	67	60	64	70			1		
S6B8642	20:52	N1194-14A	SS-23-071014	78076	SL	92	83	81	74	80	88	80	79	74	65	68	75			1		
S6B8643	21:15	N1194-14AMS	SS-23-071014MS	78076	SL	94	85	85	78	79	90	73	70	66	59	62	65			1	R	
S6B8644	21:38	N1194-14AMSD	SS-23-071014MSD	78076	SL	89	80	81	76	85	92	81	78	72	68	69	78			1	R	
S6B8645	22:02	N1194-15A	SS-24-071014	78076	SL	98	88	88	80	79	88	75	73	69	62	64	70			1		OK

* Internal Standard or Surrogate outside of control limits
E One or more target compounds are above the calibration range
T Sample was injected outside of the 12 hour sequence
R - One or more spike compounds are outside of control limits
D - Surrogates are diluted

TM 7/18/14

N1194

Logbook ID: 70.0195-05/14

Instrument S6
Injection Log

Spectrum Analytical, Inc. RI Div. SEMIVOLATILES LABORATORY

Spectrum Analytical, Inc. RI Division S6 Injection Log
Semivolatiles Laboratory

METHOD: 8270
ICAL DATE: 7/10/14

ANALYST: TM
EMV: 2141

BATCH: 140717.B

Start: 17-JUL-14 10:31
End: 17-JUL-14 22:48

Internal Standard:
Comments: See Previous Page

Inlet Maintenance By: TM
Liner : New
Column : Cut
Inlet Seal: New
Septum : New

Reviewed By: 7/18/14

Manual Integration: TM 7/18/14

MI Review: 7/18/14

ICV:

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	FBP	TPH	ACID PHL	2FP	TBP	OLM DCB	2CP	DILN	FLG	COMMENTS
S6B8646	22:25	N1194-16A	SS-FD-03-071014	78076	SL	102	90	89	78	76	86	79	78	73	63	66	71			1		MI_85 ok Re-Run Tune Time
S6B8647	22:48	N1194-17A	SS-25-071014	78076	SL	91	81	80	72	76	86	73	75	68	61	63	71			1	T	

* - Internal Standard or Surrogate outside of control limits
E - One or more target compounds are above the calibration range
T - Sample was injected outside of the 12 hour sequence
R - One or more spike compounds are outside of control limits
D - Surrogates are diluted

TM 7/18/14

Daily Maintenance	
Gold Seal	
Liner	
Clipped Column	
Ferrule	

Comments:

Logbook ID: 70.0195-05/14

Instrument S6
Injection Log

Spectrum Analytical, Inc. RI Div. SEMIVOLATILES LABORATORY

N1194

Spectrum Analytical, Inc. RI Division S6 Injection Log
Semivolatiles Laboratory

METHOD: 2270
ICAL DATE: 7/10/14

ANALYST: TM
EMV: 2141

BATCH: 140718.B

Start: 18-JUL-14 11:20
End: 18-JUL-14 22:25

Internal Standard: SI1404164
Comments:

Tune: SI1402194
23: SW1406174

Inlet Maintenance By: TM
Liner : new
Column : cut
Inlet Seal: new
Septum : new

Reviewed By: CT 7/21/14

Manual Integration: TM 7/20/14 MI Review: CT 7/21/14

ICV: _____

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	BN FBP	BN TPH	ACID PHL	ACID 2FP	ACID TBP	OLM DCB	OLM 2CP	DILN	FLG	COMMENTS
S6B8648	11:20	DFTPP6K	DFTPP6K		AQ															1		OK Tune
S6B8649	11:32	SSTD0256K	SSTD0256K		AQ	100	100	100	100	100	100									1		MI_7 OK OCCU
S6B8650	12:01	MB-78076	MB-78076	78076	SL	114	105	104	96	87	77	74	70	77	62	64	72			1		OK
S6B8651	12:24	LCS-78076	LCS-78076	78076	SL	119	108	107	98	87	79	79	73	80	65	65	73			1	R	MI_1
S6B8652	12:47	MB-78094	MB-78094	78094	SL	114	104	107	101	92	78	76	71	76	65	66	72			1		
S6B8653	13:10	LCS-78094	LCS-78094	78094	SL	127	115	117	108	94	81	80	76	83	68	69	76			1	R	MI_1
S6B8654	13:33	LCSD-78094	LCSD-78094	78094	SL	129	114	115	105	91	78	79	73	81	64	66	74			1	R	
S6B8655	13:56	N1194-17A	SS-25-071014	78076	SL	96	89	86	80	76	82	76	74	75	65	66	72			1		
S6B8656	14:20	N1194-18A	SS-26-071014	78076	SL	106	96	95	88	78	84	78	74	81	64	66	70			1		
S6B8657	14:43	N1194-19A	SS-27-071014	78076	SL	106	96	94	88	77	81	71	70	75	61	62	68			1		MI_85
S6B8658	15:06	N1194-20A	SS-28-071014	78076	SL	95	85	85	77	74	82	69	64	64	57	60	63			1		
S6B8659	15:29	N1194-21A	SS-29-071014	78076	SL	101	90	88	81	74	82	54	54	55	45	46	51			1		
S6B8660	15:53	N1194-22A	SS-30-071014	78076	SL	108	98	97	87	77	83	66	63	68	54	57	60			1		
S6B8661	16:16	N1194-23A	SS-31-071014	78076	SL	105	93	92	86	74	81	79	76	80	65	66	75			1		
S6B8662	16:39	N1194-24A	SS-32-071014	78076	SL	117	108	108	98	83	87	80	76	85	68	71	77			1		OK
S6B8663	17:02	N1205-01A	SS-42-071114	78094	SL	108	97	94	87	78	89	76	74	74	63	66	73			1	E	OL 2x
S6B8664	17:25	N1205-02A	SS-43-071114	78094	SL	121	109	107	93	76	84	73	70	76	60	63	66			1		OK
S6B8665	17:48	N1205-03A	SS-FD-05-071114	78094	SL	119	107	105	95	80	89	82	80	86	68	69	79			1		MI_85
S6B8666	18:12	N1205-04A	SS-44-071114	78094	SL	103	93	91	83	76	86	81	78	80	67	70	79			1		
S6B8667	18:35	N1205-05A	SS-45-071114	78094	SL	111	100	97	87	76	88	80	77	77	66	69	74			1		
S6B8668	18:58	N1205-09A	SS-33-071114	78094	SL	100	89	87	79	75	87	87	83	81	71	75	78			1		
S6B8669	19:21	N1205-10A	SS-34-071114	78094	SL	97	86	85	79	80	90	83	78	73	68	71	72			1		
S6B8670	19:44	N1205-11A	SS-35-071114	78094	SL	105	94	92	84	77	87	78	72	73	64	66	69			1		MI_85
S6B8671	20:07	N1205-12A	SS-36-071114	78094	SL	94	86	87	80	79	89	75	70	69	64	66	67			1		
S6B8672	20:30	N1205-13A	SS-37-071114	78094	SL	106	93	92	82	74	88	76	72	74	62	65	67			1		MI_85
S6B8673	20:53	N1205-14A	SS-FD-04-071114	78094	SL	103	92	92	81	77	89	87	82	81	72	74	79			1		
S6B8674	21:16	N1205-15A	SS-38-071114	78094	SL	107	96	94	84	76	89	72	69	68	60	62	64			1		
S6B8675	21:39	N1205-16A	SS-39-071114	78094	SL	107	95	96	86	84	96	78	71	68	63	66	67			1		
S6B8676	22:02	N1205-17A	SS-40-071114	78094	SL	115	102	102	92	85	95	81	77	76	67	67	75			1		
S6B8677	22:25	N1205-18A	SS-41-071114	78094	SL	97	86	84	78	82	93	75	70	69	60	61	68			1		OK

* - Internal Standard or Surrogate outside of control limits
\# - One or more target compounds are above the calibration range
\+ - Sample was injected outside of the 12 hour sequence

R - One or more spike compounds are outside of control limits
D - Surrogates are diluted

TM 7/20/14

* Metals/ Cyanide *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1194

SW846 6010C, SW846 9012B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test codes: SW846 6010C, SW846 9012B

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW9012B
Soil Samples were prepared following procedures in laboratory test code: SW3050B
Soil Samples were prepared following procedures in laboratory test code: SW9012B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: LACHAT1
Instrument Type: WC
Description: Flow Injection Analyzer
Manufacturer: Zellweger Analytics
Model: Quik-Chem 8000

Instrument Code: OPTIMA2
Instrument Type: ICP
Description: Optima 3100 XL
Manufacturer: Perkin-Elmer
Model: 3100 XL

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits. LCS-78054 failed for Iron, all associated samples were reprepped in Batch 78114 and rerun for Iron only.

2. Matrix spike (MS):

Matrix spikes were performed on samples: SS-11-071014 (N1194-01AMS) and SS-23-071014 (N1194-14AMS).

Percent recoveries were within the QC limits with the following exceptions:

SS-11-071014 (N1194-01AMS), recovery is below criteria for Antimony at 42% with criteria of (80-120), Cadmium at 64% with criteria of (80-120), Chromium at 6% with criteria of (80-120) and Thallium at 64% with criteria of (80-120).

SS-23-071014 (N1194-14AMS), recovery is above criteria for Nickel at 166% with criteria of (80-120), recovery is below criteria for Antimony at 45% with criteria of (80-120) and Selenium at 64% with criteria of (80-120).

D. Post Digestion Spike (PDS):

Post-digestion spike analysis was performed on samples: SS-11-071014 (N1194-01APDS) and SS-23-071014 (N1194-14APDS).

SS-11-071014 (N1194-01APDS) for Antimony, Cadmium, Chromium and Thallium due to recoveries of these elements outside of QC limits in the matrix spike.

SS-23-071014 (N1194-14APDS) for Antimony, Nickel and Selenium due to recoveries of these elements outside of QC limits in the matrix spike.

E. Duplicate sample:

Duplicate analyses were performed on samples: SS-11-071014 (N1194-01ADUP) and SS-23-071014 (N1194-14ADUP).

Relative percent differences were within the QC limits with the following exceptions:

SS-11-071014 (N1194-01ADUP), Duplicate analysis not within control limit for Aluminum, Arsenic, Barium, Beryllium, Calcium, Chromium, Cyanide, Lead, Magnesium, Manganese, Potassium, Thallium and Zinc.

SS-23-071014 (N1194-14ADUP), Duplicate analysis not within control limit for Aluminum, Beryllium, Chromium and Nickel.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on samples: SS-11-071014 (N1194-01ASD) and SS-23-071014 (N1194-14ASD).

Percent differences were within the QC limits with the exception of the following:

SS-11-071014 (N1194-01ASD), Serial Dilution analysis not within control limit for Arsenic, Cadmium, Cobalt, Lead, Magnesium, Nickel, Vanadium and Zinc.

SS-23-071014 (N1194-14ASD), Serial Dilution analysis not within control limit for Cadmium, Cobalt, Lead, Magnesium, Nickel, Vanadium and Zinc.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/23/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

U.S.EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

SOW No.: SW846

EPA Sample No.	Lab Sample ID
FB-01-071014	N1194-27
GW-TP-01-071014	N1194-11
GW-TP-02-071014	N1194-26
GW-TP-03-071014	N1194-25
SS-11-071014	N1194-01
SS-11-071014D	N1194-01DUP
SS-11-071014S	N1194-01MS
SS-12-071014	N1194-02
SS-13-071014	N1194-03
SS-14-071014	N1194-04
SS-15-071014	N1194-05
SS-16-071014	N1194-06
SS-17-071014	N1194-07
SS-18-071014	N1194-08
SS-19-071014	N1194-09
SS-20-071014	N1194-10
SS-21-071014	N1194-12
SS-22-071014	N1194-13
SS-23-071014	N1194-14
SS-23-071014D	N1194-14DUP
SS-23-071014S	N1194-14MS
SS-24-071014	N1194-15
SS-25-071014	N1194-17
SS-26-071014	N1194-18
SS-27-071014	N1194-19
SS-28-071014	N1194-20

Were ICP interelement corrections applied? Yes/No Yes

Were background corrections applied? Yes/No Yes

If yes-were raw data generated before application of background corrections? Yes/No No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature

Signature: Sharyn B Lawler Name: Sharyn B. Lawler

Date: 7/23/14 Title: QAD

U.S.EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

SOW No.: SW846

EPA Sample No.	Lab Sample ID
SS-29-071014	N1194-21
SS-30-071014	N1194-22
SS-31-071014	N1194-23
SS-32-071014	N1194-24
SS-FD-03-071014	N1194-16

Were ICP interelement corrections applied?	Yes/No	Yes
Were background corrections applied?	Yes/No	Yes
If yes-were raw data generated before application of background corrections?	Yes/No	No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Sharyn B Lawler Name: Sharyn B. Lawler

Date: 7/23/14 Title: QAD

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FB-01-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): WATER Lab Sample ID: N1194-27

Level (low/med): MED Date Received: 07/11/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	1.1	U		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	110	U		P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	91.9	B		P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	50.4	B		P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	7.5	U		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GW-TP-01-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): WATER Lab Sample ID: N1194-11

Level (low/med): MED Date Received: 07/11/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	343			P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	59400			P
7440-47-3	Chromium	1.5	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	3600			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	112000			P
7439-96-5	Manganese	97.2			P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	220000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	45400			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	5.7	B		P
7440-66-6	Zinc	5.0	B		P
57-12-5	Cyanide	51.7			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GW-TP-02-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): WATER Lab Sample ID: N1194-26

Level (low/med): MED Date Received: 07/11/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17500			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	15.8	B		P
7440-39-3	Barium	201			P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	0.97	B		P
7440-70-2	Calcium	148000			P
7440-47-3	Chromium	29.4			P
7440-48-4	Cobalt	14.5	B		P
7440-50-8	Copper	35.2			P
7439-89-6	Iron	32800			P
7439-92-1	Lead	60.6			P
7439-95-4	Magnesium	20300			P
7439-96-5	Manganese	1220			P
7440-02-0	Nickel	47.9	B		P
7440-09-7	Potassium	37200			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	25300			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	34.3	B		P
7440-66-6	Zinc	177			P
57-12-5	Cyanide	7.5	U		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GW-TP-03-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): WATER Lab Sample ID: N1194-25

Level (low/med): MED Date Received: 07/11/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1870			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	10.4	B		P
7440-39-3	Barium	118	B		P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	89000			P
7440-47-3	Chromium	6.7	B		P
7440-48-4	Cobalt	2.3	B		P
7440-50-8	Copper	21.5	B		P
7439-89-6	Iron	11400			P
7439-92-1	Lead	63.3			P
7439-95-4	Magnesium	21200			P
7439-96-5	Manganese	1220			P
7440-02-0	Nickel	9.1	B		P
7440-09-7	Potassium	349000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	164000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	2.5	B		P
7440-66-6	Zinc	155			P
57-12-5	Cyanide	104			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-11-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-01

Level (low/med): MED Date Received: 07/11/2014

% Solids: 85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8070		*	P
7440-36-0	Antimony	0.41	B	N	P
7440-38-2	Arsenic	15.8		*E	P
7440-39-3	Barium	85.7		*	P
7440-41-7	Beryllium	1.2		*	P
7440-43-9	Cadmium	8.2		NE	P
7440-70-2	Calcium	36400		*	P
7440-47-3	Chromium	105		N*	P
7440-48-4	Cobalt	9.9		E	P
7440-50-8	Copper	175			P
7439-89-6	Iron	153000			P
7439-92-1	Lead	265		*E	P
7439-95-4	Magnesium	7150		*E	P
7439-96-5	Manganese	3330		*	P
7440-02-0	Nickel	45.2		E	P
7440-09-7	Potassium	1300		*	P
7782-49-2	Selenium	0.54	U		P
7440-22-4	Silver	0.071	B		P
7440-23-5	Sodium	223			P
7440-28-0	Thallium	0.19	U	N*	P
7440-62-2	Vanadium	26.6		E	P
7440-66-6	Zinc	646		*E	P
57-12-5	Cyanide	2.3		*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-12-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-02

Level (low/med): MED Date Received: 07/11/2014

% Solids: 84.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8780		*	P
7440-36-0	Antimony	1.2		N	P
7440-38-2	Arsenic	12.1		*E	P
7440-39-3	Barium	101		*	P
7440-41-7	Beryllium	1.2		*	P
7440-43-9	Cadmium	7.6		NE	P
7440-70-2	Calcium	49100		*	P
7440-47-3	Chromium	121		N*	P
7440-48-4	Cobalt	9.2		E	P
7440-50-8	Copper	199			P
7439-89-6	Iron	151000			P
7439-92-1	Lead	400		*E	P
7439-95-4	Magnesium	9310		*E	P
7439-96-5	Manganese	4160		*	P
7440-02-0	Nickel	70.9		E	P
7440-09-7	Potassium	1250		*	P
7782-49-2	Selenium	0.63	U		P
7440-22-4	Silver	0.14	B		P
7440-23-5	Sodium	202			P
7440-28-0	Thallium	0.70	B	N*	P
7440-62-2	Vanadium	23.8		E	P
7440-66-6	Zinc	694		*E	P
57-12-5	Cyanide	4.5		*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-13-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-03

Level (low/med): MED Date Received: 07/11/2014

% Solids: 86.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7220		*	P
7440-36-0	Antimony	0.84		N	P
7440-38-2	Arsenic	10.2		*E	P
7440-39-3	Barium	85.0		*	P
7440-41-7	Beryllium	1.3		*	P
7440-43-9	Cadmium	12.6		NE	P
7440-70-2	Calcium	38400		*	P
7440-47-3	Chromium	128		N*	P
7440-48-4	Cobalt	10.9		E	P
7440-50-8	Copper	274			P
7439-89-6	Iron	218000			P
7439-92-1	Lead	427		*E	P
7439-95-4	Magnesium	8540		*E	P
7439-96-5	Manganese	4450		*	P
7440-02-0	Nickel	94.6		E	P
7440-09-7	Potassium	1210		*	P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	0.051	U		P
7440-23-5	Sodium	827			P
7440-28-0	Thallium	1.4		N*	P
7440-62-2	Vanadium	16.8		E	P
7440-66-6	Zinc	688		*E	P
57-12-5	Cyanide	6.2		*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-14-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-04

Level (low/med): MED Date Received: 07/11/2014

% Solids: 85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8730		*	P
7440-36-0	Antimony	0.32	U	N	P
7440-38-2	Arsenic	8.6		*E	P
7440-39-3	Barium	97.5		*	P
7440-41-7	Beryllium	1.3		*	P
7440-43-9	Cadmium	8.9		NE	P
7440-70-2	Calcium	45700		*	P
7440-47-3	Chromium	153		N*	P
7440-48-4	Cobalt	8.9		E	P
7440-50-8	Copper	229			P
7439-89-6	Iron	158000			P
7439-92-1	Lead	500		*E	P
7439-95-4	Magnesium	10000		*E	P
7439-96-5	Manganese	3890		*	P
7440-02-0	Nickel	72.2		E	P
7440-09-7	Potassium	1120		*	P
7782-49-2	Selenium	0.54	U		P
7440-22-4	Silver	0.38	B		P
7440-23-5	Sodium	208			P
7440-28-0	Thallium	0.19	U	N*	P
7440-62-2	Vanadium	24.1		E	P
7440-66-6	Zinc	652		*E	P
57-12-5	Cyanide	2.2		*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-15-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-05

Level (low/med): MED Date Received: 07/11/2014

% Solids: 81.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8170		*	P
7440-36-0	Antimony	0.28	U	N	P
7440-38-2	Arsenic	10.6		*E	P
7440-39-3	Barium	92.6		*	P
7440-41-7	Beryllium	1.3		*	P
7440-43-9	Cadmium	7.6		NE	P
7440-70-2	Calcium	37300		*	P
7440-47-3	Chromium	64.0		N*	P
7440-48-4	Cobalt	7.1		E	P
7440-50-8	Copper	169			P
7439-89-6	Iron	119000			P
7439-92-1	Lead	576		*E	P
7439-95-4	Magnesium	7490		*E	P
7439-96-5	Manganese	3210		*	P
7440-02-0	Nickel	42.7		E	P
7440-09-7	Potassium	1790		*	P
7782-49-2	Selenium	0.48	U		P
7440-22-4	Silver	1.7			P
7440-23-5	Sodium	265			P
7440-28-0	Thallium	0.98		N*	P
7440-62-2	Vanadium	20.1		E	P
7440-66-6	Zinc	880		*E	P
57-12-5	Cyanide	8.0		*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-16-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-06

Level (low/med): MED Date Received: 07/11/2014

% Solids: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500		*	P
7440-36-0	Antimony	1.3		N	P
7440-38-2	Arsenic	8.8		*E	P
7440-39-3	Barium	108		*	P
7440-41-7	Beryllium	2.1		*	P
7440-43-9	Cadmium	9.7		NE	P
7440-70-2	Calcium	73300		*	P
7440-47-3	Chromium	158		N*	P
7440-48-4	Cobalt	8.6		E	P
7440-50-8	Copper	236			P
7439-89-6	Iron	156000			P
7439-92-1	Lead	475		*E	P
7439-95-4	Magnesium	19500		*E	P
7439-96-5	Manganese	3800		*	P
7440-02-0	Nickel	63.7		E	P
7440-09-7	Potassium	807		*	P
7782-49-2	Selenium	0.39	U		P
7440-22-4	Silver	0.23	B		P
7440-23-5	Sodium	299			P
7440-28-0	Thallium	3.0		N*	P
7440-62-2	Vanadium	20.2		E	P
7440-66-6	Zinc	859		*E	P
57-12-5	Cyanide	4.9		*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-17-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-07

Level (low/med): MED Date Received: 07/11/2014

% Solids: 86.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8260		*	P
7440-36-0	Antimony	0.53	B	N	P
7440-38-2	Arsenic	12.0		*E	P
7440-39-3	Barium	98.9		*	P
7440-41-7	Beryllium	1.2		*	P
7440-43-9	Cadmium	10.1		NE	P
7440-70-2	Calcium	41300		*	P
7440-47-3	Chromium	111		N*	P
7440-48-4	Cobalt	9.6		E	P
7440-50-8	Copper	259			P
7439-89-6	Iron	176000			P
7439-92-1	Lead	504		*E	P
7439-95-4	Magnesium	7800		*E	P
7439-96-5	Manganese	4480		*	P
7440-02-0	Nickel	53.5		E	P
7440-09-7	Potassium	1420		*	P
7782-49-2	Selenium	0.55	U		P
7440-22-4	Silver	0.58	B		P
7440-23-5	Sodium	151			P
7440-28-0	Thallium	2.3		N*	P
7440-62-2	Vanadium	23.1		E	P
7440-66-6	Zinc	949		*E	P
57-12-5	Cyanide	5.4		*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-18-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-08

Level (low/med): MED Date Received: 07/11/2014

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6850		*	P
7440-36-0	Antimony	0.65	B	N	P
7440-38-2	Arsenic	20.0		*E	P
7440-39-3	Barium	81.3		*	P
7440-41-7	Beryllium	1.2		*	P
7440-43-9	Cadmium	14.4		NE	P
7440-70-2	Calcium	33100		*	P
7440-47-3	Chromium	144		N*	P
7440-48-4	Cobalt	14.4		E	P
7440-50-8	Copper	352			P
7439-89-6	Iron	249000			P
7439-92-1	Lead	908		*E	P
7439-95-4	Magnesium	8240		*E	P
7439-96-5	Manganese	9380		*	P
7440-02-0	Nickel	92.0		E	P
7440-09-7	Potassium	719		*	P
7782-49-2	Selenium	0.70	U		P
7440-22-4	Silver	1.3	B		P
7440-23-5	Sodium	96.5			P
7440-28-0	Thallium	0.24	U	N*	P
7440-62-2	Vanadium	23.8		E	P
7440-66-6	Zinc	1510		*E	P
57-12-5	Cyanide	6.3		*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-19-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-09

Level (low/med): MED Date Received: 07/11/2014

% Solids: 86.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6550		*	P
7440-36-0	Antimony	0.55	B	N	P
7440-38-2	Arsenic	9.8			P
7440-39-3	Barium	84.6			P
7440-41-7	Beryllium	0.82		*	P
7440-43-9	Cadmium	5.0		E	P
7440-70-2	Calcium	140000			P
7440-47-3	Chromium	39.5		*	P
7440-48-4	Cobalt	6.2		E	P
7440-50-8	Copper	128			P
7439-89-6	Iron	84500			P
7439-92-1	Lead	339		E	P
7439-95-4	Magnesium	17900		E	P
7439-96-5	Manganese	3170			P
7440-02-0	Nickel	31.4		N*E	P
7440-09-7	Potassium	830			P
7782-49-2	Selenium	1.4		N	P
7440-22-4	Silver	0.42	B		P
7440-23-5	Sodium	191			P
7440-28-0	Thallium	2.5			P
7440-62-2	Vanadium	12.8		E	P
7440-66-6	Zinc	526		E	P
57-12-5	Cyanide	1.6		*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-20-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-10

Level (low/med): MED Date Received: 07/11/2014

% Solids: 86.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11600		*	P
7440-36-0	Antimony	1.1		N	P
7440-38-2	Arsenic	9.8			P
7440-39-3	Barium	125			P
7440-41-7	Beryllium	1.7		*	P
7440-43-9	Cadmium	9.3		E	P
7440-70-2	Calcium	68500			P
7440-47-3	Chromium	183		*	P
7440-48-4	Cobalt	8.2		E	P
7440-50-8	Copper	124			P
7439-89-6	Iron	161000			P
7439-92-1	Lead	387		E	P
7439-95-4	Magnesium	10800		E	P
7439-96-5	Manganese	3830			P
7440-02-0	Nickel	94.9		N*E	P
7440-09-7	Potassium	1190			P
7782-49-2	Selenium	0.48	U	N	P
7440-22-4	Silver	0.048	U		P
7440-23-5	Sodium	366			P
7440-28-0	Thallium	0.99			P
7440-62-2	Vanadium	24.9		E	P
7440-66-6	Zinc	702		E	P
57-12-5	Cyanide	0.44	U	*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-21-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-12

Level (low/med): MED Date Received: 07/11/2014

% Solids: 88.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8340		*	P
7440-36-0	Antimony	1.7		N	P
7440-38-2	Arsenic	11.8			P
7440-39-3	Barium	92.6			P
7440-41-7	Beryllium	1.1		*	P
7440-43-9	Cadmium	11.1		E	P
7440-70-2	Calcium	40100			P
7440-47-3	Chromium	692		*	P
7440-48-4	Cobalt	12.4		E	P
7440-50-8	Copper	394			P
7439-89-6	Iron	202000			P
7439-92-1	Lead	486		E	P
7439-95-4	Magnesium	8550		E	P
7439-96-5	Manganese	5220			P
7440-02-0	Nickel	85.0		N*E	P
7440-09-7	Potassium	1820			P
7782-49-2	Selenium	0.67	U	N	P
7440-22-4	Silver	1.6			P
7440-23-5	Sodium	179			P
7440-28-0	Thallium	4.6			P
7440-62-2	Vanadium	21.2		E	P
7440-66-6	Zinc	958		E	P
57-12-5	Cyanide	3.4			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-22-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-13

Level (low/med): MED Date Received: 07/11/2014

% Solids: 86.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6170		*	P
7440-36-0	Antimony	0.40	U	N	P
7440-38-2	Arsenic	12.3			P
7440-39-3	Barium	76.7			P
7440-41-7	Beryllium	1.1		*	P
7440-43-9	Cadmium	11.6		E	P
7440-70-2	Calcium	37400			P
7440-47-3	Chromium	104		*	P
7440-48-4	Cobalt	11.1		E	P
7440-50-8	Copper	415			P
7439-89-6	Iron	216000			P
7439-92-1	Lead	498		E	P
7439-95-4	Magnesium	6550		E	P
7439-96-5	Manganese	4120			P
7440-02-0	Nickel	58.2		N*E	P
7440-09-7	Potassium	828			P
7782-49-2	Selenium	0.68	U	N	P
7440-22-4	Silver	0.37	B		P
7440-23-5	Sodium	131			P
7440-28-0	Thallium	1.5			P
7440-62-2	Vanadium	23.9		E	P
7440-66-6	Zinc	908		E	P
57-12-5	Cyanide	4.7			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-23-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-14

Level (low/med): MED Date Received: 07/11/2014

% Solids: 86.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6480		*	P
7440-36-0	Antimony	0.61	B	N	P
7440-38-2	Arsenic	11.5			P
7440-39-3	Barium	82.2			P
7440-41-7	Beryllium	1.0		*	P
7440-43-9	Cadmium	9.2		E	P
7440-70-2	Calcium	40000			P
7440-47-3	Chromium	164		*	P
7440-48-4	Cobalt	10.8		E	P
7440-50-8	Copper	378			P
7439-89-6	Iron	183000			P
7439-92-1	Lead	508		E	P
7439-95-4	Magnesium	7250		E	P
7439-96-5	Manganese	4470			P
7440-02-0	Nickel	112		N*E	P
7440-09-7	Potassium	942			P
7782-49-2	Selenium	0.70	U	N	P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	139			P
7440-28-0	Thallium	0.93	B		P
7440-62-2	Vanadium	20.0		E	P
7440-66-6	Zinc	938		E	P
57-12-5	Cyanide	4.4			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-24-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-15

Level (low/med): MED Date Received: 07/11/2014

% Solids: 81.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10000		*	P
7440-36-0	Antimony	0.43	U	N	P
7440-38-2	Arsenic	12.3			P
7440-39-3	Barium	105			P
7440-41-7	Beryllium	1.6		*	P
7440-43-9	Cadmium	8.5		E	P
7440-70-2	Calcium	45200			P
7440-47-3	Chromium	74.5		*	P
7440-48-4	Cobalt	9.2		E	P
7440-50-8	Copper	161			P
7439-89-6	Iron	164000			P
7439-92-1	Lead	306		E	P
7439-95-4	Magnesium	8440		E	P
7439-96-5	Manganese	3690			P
7440-02-0	Nickel	43.8		N*E	P
7440-09-7	Potassium	2180			P
7782-49-2	Selenium	1.7		N	P
7440-22-4	Silver	0.17	B		P
7440-23-5	Sodium	289			P
7440-28-0	Thallium	2.3			P
7440-62-2	Vanadium	20.2		E	P
7440-66-6	Zinc	732		E	P
57-12-5	Cyanide	1.1			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-25-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-17

Level (low/med): MED Date Received: 07/11/2014

% Solids: 83.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16400		*	P
7440-36-0	Antimony	0.39	B	N	P
7440-38-2	Arsenic	17.2			P
7440-39-3	Barium	226			P
7440-41-7	Beryllium	2.3		*	P
7440-43-9	Cadmium	6.7		E	P
7440-70-2	Calcium	81800			P
7440-47-3	Chromium	54.2		*	P
7440-48-4	Cobalt	8.9		E	P
7440-50-8	Copper	149			P
7439-89-6	Iron	130000			P
7439-92-1	Lead	246		E	P
7439-95-4	Magnesium	9690		E	P
7439-96-5	Manganese	3330			P
7440-02-0	Nickel	32.0		N*E	P
7440-09-7	Potassium	1510			P
7782-49-2	Selenium	3.3		N	P
7440-22-4	Silver	0.079	B		P
7440-23-5	Sodium	338			P
7440-28-0	Thallium	2.3			P
7440-62-2	Vanadium	28.0		E	P
7440-66-6	Zinc	616		E	P
57-12-5	Cyanide	0.53	U		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-26-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-18

Level (low/med): MED Date Received: 07/11/2014

% Solids: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7980		*	P
7440-36-0	Antimony	0.34	U	N	P
7440-38-2	Arsenic	11.6			P
7440-39-3	Barium	87.5			P
7440-41-7	Beryllium	1.1		*	P
7440-43-9	Cadmium	6.5		E	P
7440-70-2	Calcium	34400			P
7440-47-3	Chromium	72.5		*	P
7440-48-4	Cobalt	7.6		E	P
7440-50-8	Copper	159			P
7439-89-6	Iron	120000			P
7439-92-1	Lead	274		E	P
7439-95-4	Magnesium	7370		E	P
7439-96-5	Manganese	3240			P
7440-02-0	Nickel	37.2		N*E	P
7440-09-7	Potassium	1110			P
7782-49-2	Selenium	1.8		N	P
7440-22-4	Silver	0.30	B		P
7440-23-5	Sodium	163			P
7440-28-0	Thallium	0.88	B		P
7440-62-2	Vanadium	21.3		E	P
7440-66-6	Zinc	638		E	P
57-12-5	Cyanide	2.6			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-27-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-19

Level (low/med): MED Date Received: 07/11/2014

% Solids: 82.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11200		*	P
7440-36-0	Antimony	0.30	U	N	P
7440-38-2	Arsenic	9.1			P
7440-39-3	Barium	115			P
7440-41-7	Beryllium	2.2		*	P
7440-43-9	Cadmium	4.3		E	P
7440-70-2	Calcium	60100			P
7440-47-3	Chromium	41.9		*	P
7440-48-4	Cobalt	4.9		E	P
7440-50-8	Copper	95.6			P
7439-89-6	Iron	85700			P
7439-92-1	Lead	177		E	P
7439-95-4	Magnesium	13300		E	P
7439-96-5	Manganese	2700			P
7440-02-0	Nickel	29.3		N*E	P
7440-09-7	Potassium	1200			P
7782-49-2	Selenium	4.5		N	P
7440-22-4	Silver	0.14	B		P
7440-23-5	Sodium	257			P
7440-28-0	Thallium	1.8			P
7440-62-2	Vanadium	14.4		E	P
7440-66-6	Zinc	385		E	P
57-12-5	Cyanide	5.4			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-28-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-20

Level (low/med): MED Date Received: 07/11/2014

% Solids: 82.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10100		*	P
7440-36-0	Antimony	1.7		N	P
7440-38-2	Arsenic	22.9			P
7440-39-3	Barium	97.5			P
7440-41-7	Beryllium	1.3		*	P
7440-43-9	Cadmium	13.0		E	P
7440-70-2	Calcium	70200			P
7440-47-3	Chromium	300		*	P
7440-48-4	Cobalt	12.5		E	P
7440-50-8	Copper	222			P
7439-89-6	Iron	230000			P
7439-92-1	Lead	324		E	P
7439-95-4	Magnesium	6910		E	P
7439-96-5	Manganese	4310			P
7440-02-0	Nickel	79.0		N*E	P
7440-09-7	Potassium	1340			P
7782-49-2	Selenium	0.63	U	N	P
7440-22-4	Silver	0.063	U		P
7440-23-5	Sodium	177			P
7440-28-0	Thallium	0.42	B		P
7440-62-2	Vanadium	35.1		E	P
7440-66-6	Zinc	630		E	P
57-12-5	Cyanide	4.5			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-29-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-21

Level (low/med): MED Date Received: 07/11/2014

% Solids: 86.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7600		*	P
7440-36-0	Antimony	0.34	U	N	P
7440-38-2	Arsenic	11.2			P
7440-39-3	Barium	87.7			P
7440-41-7	Beryllium	0.97		*	P
7440-43-9	Cadmium	6.0		E	P
7440-70-2	Calcium	35800			P
7440-47-3	Chromium	83.1		*	P
7440-48-4	Cobalt	7.8		E	P
7440-50-8	Copper	208			P
7439-89-6	Iron	118000			P
7439-92-1	Lead	276		E	P
7439-95-4	Magnesium	9200		E	P
7439-96-5	Manganese	3200			P
7440-02-0	Nickel	50.4		N*E	P
7440-09-7	Potassium	1380			P
7782-49-2	Selenium	1.9		N	P
7440-22-4	Silver	0.17	B		P
7440-23-5	Sodium	277			P
7440-28-0	Thallium	1.2			P
7440-62-2	Vanadium	20.7		E	P
7440-66-6	Zinc	616		E	P
57-12-5	Cyanide	6.1			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-30-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-22

Level (low/med): MED Date Received: 07/11/2014

% Solids: 88.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8250		*	P
7440-36-0	Antimony	0.38	U	N	P
7440-38-2	Arsenic	4.7			P
7440-39-3	Barium	41.2			P
7440-41-7	Beryllium	0.37		*	P
7440-43-9	Cadmium	1.1		E	P
7440-70-2	Calcium	10300			P
7440-47-3	Chromium	13.8		*	P
7440-48-4	Cobalt	3.1		E	P
7440-50-8	Copper	21.2			P
7439-89-6	Iron	29900			P
7439-92-1	Lead	52.2		E	P
7439-95-4	Magnesium	2850		E	P
7439-96-5	Manganese	589			P
7440-02-0	Nickel	10.2		N*E	P
7440-09-7	Potassium	880			P
7782-49-2	Selenium	3.0		N	P
7440-22-4	Silver	0.063	U		P
7440-23-5	Sodium	137			P
7440-28-0	Thallium	1.2			P
7440-62-2	Vanadium	10.8		E	P
7440-66-6	Zinc	94.1		E	P
57-12-5	Cyanide	0.43	U		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-31-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-23

Level (low/med): MED Date Received: 07/11/2014

% Solids: 85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9240		*	P
7440-36-0	Antimony	0.29	U	N	P
7440-38-2	Arsenic	8.8			P
7440-39-3	Barium	101			P
7440-41-7	Beryllium	1.5		*	P
7440-43-9	Cadmium	7.4		E	P
7440-70-2	Calcium	46800			P
7440-47-3	Chromium	111		*	P
7440-48-4	Cobalt	8.9		E	P
7440-50-8	Copper	163			P
7439-89-6	Iron	132000			P
7439-92-1	Lead	283		E	P
7439-95-4	Magnesium	10500		E	P
7439-96-5	Manganese	3170			P
7440-02-0	Nickel	61.6		N*E	P
7440-09-7	Potassium	1100			P
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.049	B		P
7440-23-5	Sodium	211			P
7440-28-0	Thallium	2.3			P
7440-62-2	Vanadium	17.7		E	P
7440-66-6	Zinc	463		E	P
57-12-5	Cyanide	2.5			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-32-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-24

Level (low/med): MED Date Received: 07/11/2014

% Solids: 80.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200		*	P
7440-36-0	Antimony	0.47	U	N	P
7440-38-2	Arsenic	19.0			P
7440-39-3	Barium	106			P
7440-41-7	Beryllium	1.4		*	P
7440-43-9	Cadmium	7.2		E	P
7440-70-2	Calcium	51000			P
7440-47-3	Chromium	46.6		*	P
7440-48-4	Cobalt	9.0		E	P
7440-50-8	Copper	104			P
7439-89-6	Iron	145000			P
7439-92-1	Lead	247		E	P
7439-95-4	Magnesium	9850		E	P
7439-96-5	Manganese	4360			P
7440-02-0	Nickel	33.4		N*E	P
7440-09-7	Potassium	1680			P
7782-49-2	Selenium	5.0		N	P
7440-22-4	Silver	0.55	B		P
7440-23-5	Sodium	190			P
7440-28-0	Thallium	1.8			P
7440-62-2	Vanadium	25.3		E	P
7440-66-6	Zinc	805		E	P
57-12-5	Cyanide	0.50	U		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-FD-03-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Lab Sample ID: N1194-16

Level (low/med): MED Date Received: 07/11/2014

% Solids: 83.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13100		*	P
7440-36-0	Antimony	0.32	U	N	P
7440-38-2	Arsenic	10.6			P
7440-39-3	Barium	141			P
7440-41-7	Beryllium	1.9		*	P
7440-43-9	Cadmium	6.0		E	P
7440-70-2	Calcium	56000			P
7440-47-3	Chromium	62.3		*	P
7440-48-4	Cobalt	7.1		E	P
7440-50-8	Copper	142			P
7439-89-6	Iron	112000			P
7439-92-1	Lead	292		E	P
7439-95-4	Magnesium	11600		E	P
7439-96-5	Manganese	3230			P
7440-02-0	Nickel	34.2		N*E	P
7440-09-7	Potassium	2060			P
7782-49-2	Selenium	3.4		N	P
7440-22-4	Silver	0.35	B		P
7440-23-5	Sodium	385			P
7440-28-0	Thallium	1.1			P
7440-62-2	Vanadium	18.9		E	P
7440-66-6	Zinc	723		E	P
57-12-5	Cyanide	1.8			CA

Comments:

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
	07/17/14 12:02				07/17/14 12:07		07/17/14 12:34		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cyanide	200.0	211.88	105.9	150.0	153.12	102.1	151.83	101.2	CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/17/14 13:04				
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cyanide				150.0	151.96	101.3			CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
	07/18/14 13:33				07/18/14 13:38		07/18/14 14:07		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cyanide	200.0	210.48	105.2	150.0	154.98	103.3	156.01	104.0	CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/18/14 14:34		07/18/14 15:02		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cyanide				150.0	154.31	102.9	151.64	101.1	CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/18/14 15:30				
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cyanide				150.0	146.93	98.0			CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
	07/17/14 13:08				07/17/14 13:24		07/17/14 13:54		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Iron	5000.0	5125.75	102.5	5000.0	5256.72	105.1	5201.88	104.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/17/14 14:26		07/17/14 14:54		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Iron				5000.0	5105.92	102.1	5171.18	103.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
	07/15/14 11:19				07/15/14 11:38		07/15/14 12:16		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum	10000.0	10180.76	101.8	10000.0	10187.76	101.9	10205.63	102.1	P
Antimony	500.0	454.70	90.9	500.0	451.91	90.4	452.99	90.6	P
Arsenic	500.0	501.31	100.3	500.0	497.34	99.5	505.36	101.1	P
Barium	10000.0	10213.77	102.1	10000.0	10232.30	102.3	10286.48	102.9	P
Beryllium	250.0	249.62	99.8	250.0	249.90	100	251.52	100.6	P
Cadmium	250.0	247.40	99.0	250.0	246.38	98.6	248.42	99.4	P
Calcium	25000.0	23815.06	95.3	25000.0	23453.74	93.8	23592.41	94.4	P
Chromium	1000.0	987.29	98.7	1000.0	974.57	97.5	981.25	98.1	P
Cobalt	2500.0	2454.09	98.2	2500.0	2423.63	96.9	2441.80	97.7	P
Copper	1250.0	1246.84	99.7	1250.0	1265.67	101.3	1269.45	101.6	P
Iron	5000.0	5131.13	102.6	5000.0	5065.04	101.3	5114.13	102.3	P
Lead	500.0	494.36	98.9	500.0	483.74	96.7	489.33	97.9	P
Magnesium	25000.0	25535.60	102.1	25000.0	25618.10	102.5	25812.39	103.2	P
Manganese	2500.0	2528.33	101.1	2500.0	2533.83	101.4	2546.59	101.9	P
Nickel	2500.0	2540.65	101.6	2500.0	2503.98	100.2	2526.36	101.1	P
Potassium	25000.0	25402.48	101.6	25000.0	25655.47	102.6	26128.76	104.5	P
Selenium	500.0	490.20	98.0	500.0	478.64	95.7	487.22	97.4	P
Silver	1250.0	1244.28	99.5	1250.0	1246.58	99.7	1250.03	100.0	P
Sodium	25000.0	25782.51	103.1	25000.0	25936.15	103.7	26399.94	105.6	P
Thallium	500.0	469.26	93.9	500.0	469.44	93.9	471.08	94.2	P
Vanadium	2500.0	2517.76	100.7	2500.0	2533.40	101.3	2544.26	101.8	P
Zinc	2500.0	2551.19	102.0	2500.0	2512.35	100.5	2533.85	101.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/15/14 12:53		07/15/14 13:30		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10150.91	101.5	9988.75	99.9	P
Antimony				500.0	465.02	93.0	465.73	93.1	P
Arsenic				500.0	502.02	100.4	495.49	99.1	P
Barium				10000.0	10236.09	102.4	10253.60	102.5	P
Beryllium				250.0	249.75	99.9	251.26	100.5	P
Cadmium				250.0	249.49	99.8	242.60	97.0	P
Calcium				25000.0	23557.13	94.2	23620.86	94.5	P
Chromium				1000.0	988.44	98.8	969.96	97.0	P
Cobalt				2500.0	2455.10	98.2	2406.67	96.3	P
Copper				1250.0	1268.36	101.5	1226.33	98.1	P
Iron				5000.0	5115.40	102.3	5033.18	100.7	P
Lead				500.0	487.57	97.5	490.11	98.0	P
Magnesium				25000.0	25567.00	102.3	25669.29	102.7	P
Manganese				2500.0	2532.88	101.3	2543.49	101.7	P
Nickel				2500.0	2540.06	101.6	2487.88	99.5	P
Potassium				25000.0	26017.71	104.1	26029.62	104.1	P
Selenium				500.0	492.49	98.5	491.22	98.2	P
Silver				1250.0	1249.19	99.9	1221.32	97.7	P
Sodium				25000.0	26328.94	105.3	26331.82	105.3	P
Thallium				500.0	470.81	94.2	474.30	94.9	P
Vanadium				2500.0	2529.39	101.2	2472.11	98.9	P
Zinc				2500.0	2538.73	101.5	2491.36	99.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/15/14 14:11		07/15/14 14:44		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10189.18	101.9	10190.69	101.9	P
Antimony				500.0	469.52	93.9	468.72	93.7	P
Arsenic				500.0	501.04	100.2	502.02	100.4	P
Barium				10000.0	10244.01	102.4	10261.55	102.6	P
Beryllium				250.0	250.90	100.4	250.46	100.2	P
Cadmium				250.0	246.08	98.4	250.99	100.4	P
Calcium				25000.0	23544.74	94.2	23695.38	94.8	P
Chromium				1000.0	975.01	97.5	994.03	99.4	P
Cobalt				2500.0	2428.29	97.1	2470.52	98.8	P
Copper				1250.0	1269.98	101.6	1271.60	101.7	P
Iron				5000.0	5051.07	101.0	5139.88	102.8	P
Lead				500.0	486.88	97.4	487.79	97.6	P
Magnesium				25000.0	25612.83	102.5	25595.43	102.4	P
Manganese				2500.0	2540.43	101.6	2537.02	101.5	P
Nickel				2500.0	2506.15	100.2	2552.39	102.1	P
Potassium				25000.0	25853.65	103.4	25858.42	103.4	P
Selenium				500.0	488.28	97.7	494.04	98.8	P
Silver				1250.0	1250.11	100.0	1249.74	100	P
Sodium				25000.0	26094.94	104.4	26262.11	105.0	P
Thallium				500.0	467.93	93.6	469.23	93.8	P
Vanadium				2500.0	2536.90	101.5	2540.07	101.6	P
Zinc				2500.0	2507.53	100.3	2549.11	102.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/15/14 15:20		07/15/14 15:53		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10171.24	101.7	10267.41	102.7	P
Antimony				500.0	463.28	92.7	468.55	93.7	P
Arsenic				500.0	499.40	99.9	502.70	100.5	P
Barium				10000.0	10272.48	102.7	10324.23	103.2	P
Beryllium				250.0	250.16	100.1	251.82	100.7	P
Cadmium				250.0	246.14	98.5	249.73	99.9	P
Calcium				25000.0	23594.84	94.4	24078.80	96.3	P
Chromium				1000.0	980.61	98.1	996.26	99.6	P
Cobalt				2500.0	2436.09	97.4	2473.32	98.9	P
Copper				1250.0	1270.66	101.7	1257.44	100.6	P
Iron				5000.0	5140.81	102.8	5180.30	103.6	P
Lead				500.0	492.49	98.5	501.36	100.3	P
Magnesium				25000.0	25641.16	102.6	25827.15	103.3	P
Manganese				2500.0	2536.26	101.5	2549.35	102.0	P
Nickel				2500.0	2517.18	100.7	2561.91	102.5	P
Potassium				25000.0	26276.26	105.1	26219.63	104.9	P
Selenium				500.0	493.53	98.7	491.40	98.3	P
Silver				1250.0	1250.86	100.1	1252.37	100.2	P
Sodium				25000.0	26752.95	107.0	26469.67	105.9	P
Thallium				500.0	471.03	94.2	473.02	94.6	P
Vanadium				2500.0	2535.98	101.4	2537.87	101.5	P
Zinc				2500.0	2514.69	100.6	2558.97	102.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/15/14 16:28		07/15/14 17:01		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10173.50	101.7	10178.26	101.8	P
Antimony				500.0	463.30	92.7	466.99	93.4	P
Arsenic				500.0	500.48	100.1	499.08	99.8	P
Barium				10000.0	10241.17	102.4	10262.30	102.6	P
Beryllium				250.0	250.28	100.1	250.84	100.3	P
Cadmium				250.0	248.26	99.3	249.44	99.8	P
Calcium				25000.0	23496.99	94.0	23614.06	94.5	P
Chromium				1000.0	982.80	98.3	987.38	98.7	P
Cobalt				2500.0	2440.17	97.6	2449.57	98.0	P
Copper				1250.0	1268.59	101.5	1271.27	101.7	P
Iron				5000.0	5095.52	101.9	5109.98	102.2	P
Lead				500.0	486.59	97.3	490.83	98.2	P
Magnesium				25000.0	25592.20	102.4	25613.30	102.5	P
Manganese				2500.0	2532.75	101.3	2533.55	101.3	P
Nickel				2500.0	2526.12	101.0	2540.75	101.6	P
Potassium				25000.0	26384.70	105.5	26090.93	104.4	P
Selenium				500.0	490.53	98.1	494.60	98.9	P
Silver				1250.0	1249.35	99.9	1251.71	100.1	P
Sodium				25000.0	26574.02	106.3	26307.03	105.2	P
Thallium				500.0	461.56	92.3	469.15	93.8	P
Vanadium				2500.0	2531.05	101.2	2537.74	101.5	P
Zinc				2500.0	2516.83	100.7	2528.04	101.1	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/15/14 17:44		07/15/14 18:17		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10212.37	102.1	10281.85	102.8	P
Arsenic				500.0	496.70	99.3	510.16	102.0	P
Barium				10000.0	10292.13	102.9	10362.10	103.6	P
Beryllium				250.0	251.76	100.7	252.45	101.0	P
Cadmium				250.0	243.91	97.6	250.97	100.4	P
Calcium				25000.0	23426.20	93.7	24066.56	96.3	P
Chromium				1000.0	971.37	97.1	999.08	99.9	P
Cobalt				2500.0	2408.73	96.3	2479.04	99.2	P
Copper				1250.0	1271.45	101.7	1262.57	101.0	P
Iron				5000.0	5008.84	100.2	5175.40	103.5	P
Lead				500.0	484.24	96.8	501.49	100.3	P
Magnesium				25000.0	25716.82	102.9	25856.17	103.4	P
Manganese				2500.0	2545.42	101.8	2553.33	102.1	P
Nickel				2500.0	2490.38	99.6	2569.79	102.8	P
Potassium				25000.0	26294.11	105.2	26342.98	105.4	P
Selenium				500.0	489.46	97.9	496.18	99.2	P
Silver				1250.0	1254.47	100.4	1257.86	100.6	P
Sodium				25000.0	26508.40	106.0	26835.04	107.3	P
Thallium				500.0	469.35	93.9	471.41	94.3	P
Vanadium				2500.0	2550.75	102.0	2546.34	101.9	P
Zinc				2500.0	2483.64	99.3	2565.81	102.6	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
	07/16/14 8:14				07/16/14 8:32		07/16/14 09:06		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Antimony	500.0	477.28	95.5	500.0	472.76	94.6	476.00	95.2	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
	07/16/14 9:46				07/16/14 10:10		07/16/14 10:47		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum	10000.0	10407.26	104.1	10000.0	10198.66	102.0	10280.93	102.8	P
Antimony	500.0	467.16	93.4	500.0	451.85	90.4	453.83	90.8	P
Arsenic	500.0	520.89	104.2	500.0	510.24	102.0	510.45	102.1	P
Barium	10000.0	10314.41	103.1	10000.0	10165.94	101.7	10236.70	102.4	P
Beryllium	250.0	252.55	101.0	250.0	248.83	99.5	251.13	100.5	P
Cadmium	250.0	255.23	102.1	250.0	249.82	99.9	249.00	99.6	P
Calcium	25000.0	24446.07	97.8	25000.0	23642.64	94.6	23583.63	94.3	P
Chromium	1000.0	1008.18	100.8	1000.0	982.52	98.3	975.42	97.5	P
Cobalt	2500.0	2497.88	99.9	2500.0	2437.57	97.5	2430.91	97.2	P
Copper	1250.0	1282.95	102.6	1250.0	1254.90	100.4	1265.43	101.2	P
Iron	5000.0	5215.58	104.3	5000.0	5090.28	101.8	5049.54	101.0	P
Lead	500.0	514.68	102.9	500.0	493.10	98.6	494.79	99.0	P
Magnesium	25000.0	25974.18	103.9	25000.0	25534.32	102.1	25683.44	102.7	P
Manganese	2500.0	2559.27	102.4	2500.0	2521.02	100.8	2547.31	101.9	P
Nickel	2500.0	2583.29	103.3	2500.0	2524.09	101.0	2508.83	100.4	P
Potassium	25000.0	25917.80	103.7	25000.0	25910.36	103.6	26138.41	104.6	P
Selenium	500.0	520.64	104.1	500.0	505.29	101.1	494.70	98.9	P
Silver	1250.0	1355.41	108.4	1250.0	1322.22	105.8	1332.03	106.6	P
Sodium	25000.0	26366.00	105.5	25000.0	26238.40	105.0	26136.46	104.5	P
Thallium	500.0	480.14	96.0	500.0	472.47	94.5	475.58	95.1	P
Vanadium	2500.0	2572.45	102.9	2500.0	2517.68	100.7	2537.70	101.5	P
Zinc	2500.0	2601.35	104.1	2500.0	2534.26	101.4	2520.83	100.8	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/16/14 11:28		07/16/14 12:11		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10206.02	102.1	10167.23	101.7	P
Antimony				500.0	475.11	95.0	470.30	94.1	P
Arsenic				500.0	514.38	102.9	510.85	102.2	P
Barium				10000.0	10212.42	102.1	10243.15	102.4	P
Beryllium				250.0	251.16	100.5	251.50	100.6	P
Cadmium				250.0	251.56	100.6	249.18	99.7	P
Calcium				25000.0	24080.77	96.3	24109.80	96.4	P
Chromium				1000.0	990.84	99.1	986.66	98.7	P
Cobalt				2500.0	2464.59	98.6	2454.48	98.2	P
Copper				1250.0	1234.43	98.8	1228.55	98.3	P
Iron				5000.0	5136.95	102.7	5357.33	107.1	P
Lead				500.0	505.80	101.2	516.14	103.2	P
Magnesium				25000.0	25638.01	102.6	25781.28	103.1	P
Manganese				2500.0	2548.06	101.9	2562.21	102.5	P
Nickel				2500.0	2539.96	101.6	2529.03	101.2	P
Potassium				25000.0	26272.99	105.1	26577.05	106.3	P
Selenium				500.0	495.17	99.0	504.14	100.8	P
Silver				1250.0	1317.24	105.4	1313.25	105.1	P
Sodium				25000.0	26574.08	106.3	26416.15	105.7	P
Thallium				500.0	477.22	95.4	478.02	95.6	P
Vanadium				2500.0	2502.42	100.1	2492.63	99.7	P
Zinc				2500.0	2556.69	102.3	2560.41	102.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/16/14 12:49		07/16/14 13:29		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10223.33	102.2	10297.11	103.0	P
Antimony				500.0	476.15	95.2	474.75	95.0	P
Arsenic				500.0	512.56	102.5	508.91	101.8	P
Barium				10000.0	10175.30	101.8	10235.41	102.4	P
Beryllium				250.0	250.04	100.0	251.73	100.7	P
Cadmium				250.0	252.20	100.9	253.57	101.4	P
Calcium				25000.0	23832.42	95.3	23803.52	95.2	P
Chromium				1000.0	990.14	99.0	995.44	99.5	P
Cobalt				2500.0	2468.93	98.8	2476.33	99.1	P
Copper				1250.0	1257.63	100.6	1265.74	101.3	P
Iron				5000.0	5187.38	103.7	5226.01	104.5	P
Lead				500.0	507.68	101.5	508.40	101.7	P
Magnesium				25000.0	25640.96	102.6	25783.08	103.1	P
Manganese				2500.0	2537.36	101.5	2548.89	102.0	P
Nickel				2500.0	2549.26	102.0	2558.39	102.3	P
Potassium				25000.0	27441.65	109.8	27040.58	108.2	P
Selenium				500.0	504.66	100.9	507.92	101.6	P
Silver				1250.0	1326.23	106.1	1334.32	106.7	P
Sodium				25000.0	27108.44	108.4	25849.54	103.4	P
Thallium				500.0	475.05	95.0	468.01	93.6	P
Vanadium				2500.0	2518.76	100.8	2534.23	101.4	P
Zinc				2500.0	2561.17	102.4	2564.45	102.6	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/16/14 14:03		07/16/14 14:37		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10335.68	103.4	10270.71	102.7	P
Antimony				500.0	485.05	97.0	475.80	95.2	P
Arsenic				500.0	517.15	103.4	508.90	101.8	P
Barium				10000.0	10356.67	103.6	10192.14	101.9	P
Beryllium				250.0	255.11	102.0	251.29	100.5	P
Cadmium				250.0	252.35	100.9	253.25	101.3	P
Calcium				25000.0	24452.59	97.8	23894.05	95.6	P
Chromium				1000.0	1000.61	100.1	995.54	99.6	P
Cobalt				2500.0	2485.70	99.4	2477.60	99.1	P
Copper				1250.0	1250.38	100.0	1262.17	101.0	P
Iron				5000.0	5231.45	104.6	5178.49	103.6	P
Lead				500.0	516.40	103.3	502.14	100.4	P
Magnesium				25000.0	26096.83	104.4	25618.79	102.5	P
Manganese				2500.0	2584.53	103.4	2545.61	101.8	P
Nickel				2500.0	2567.59	102.7	2556.25	102.2	P
Potassium				25000.0	27418.15	109.7	26961.83	107.8	P
Selenium				500.0	513.29	102.7	496.87	99.4	P
Silver				1250.0	1335.07	106.8	1333.63	106.7	P
Sodium				25000.0	25782.51	103.1	25718.47	102.9	P
Thallium				500.0	469.91	94.0	464.19	92.8	P
Vanadium				2500.0	2529.24	101.2	2528.69	101.1	P
Zinc				2500.0	2558.99	102.4	2545.74	101.8	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/16/14 15:10		07/16/14 15:54		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10483.40	104.8	10325.67	103.3	P
Antimony				500.0	478.63	95.7	472.65	94.5	P
Arsenic				500.0	514.36	102.9	507.41	101.5	P
Barium				10000.0	10256.46	102.6	10226.99	102.3	P
Beryllium				250.0	252.72	101.1	252.33	100.9	P
Cadmium				250.0	257.38	103.0	253.82	101.5	P
Calcium				25000.0	24302.92	97.2	23937.41	95.7	P
Chromium				1000.0	1014.51	101.5	999.02	99.9	P
Cobalt				2500.0	2520.45	100.8	2480.96	99.2	P
Copper				1250.0	1263.80	101.1	1265.43	101.2	P
Iron				5000.0	5308.05	106.2			P
Lead				500.0	515.24	103.0	507.64	101.5	P
Magnesium				25000.0	25825.19	103.3	25774.77	103.1	P
Manganese				2500.0	2567.62	102.7	2561.28	102.5	P
Nickel				2500.0	2604.63	104.2	2556.40	102.3	P
Potassium				25000.0	26579.31	106.3	26506.25	106.0	P
Selenium				500.0	504.19	100.8	492.47	98.5	P
Silver				1250.0	1351.44	108.1	1338.08	107.0	P
Sodium				25000.0	25334.05	101.3	24437.54	97.8	P
Thallium				500.0	458.44	91.7	456.74	91.3	P
Vanadium				2500.0	2564.98	102.6	2539.27	101.6	P
Zinc				2500.0	2598.02	103.9	2550.13	102.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/16/14 16:33		07/16/14 17:11		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10276.72	102.8	10574.21	105.7	P
Antimony				500.0	461.60	92.3	470.67	94.1	P
Arsenic				500.0	501.59	100.3	512.54	102.5	P
Barium				10000.0	10200.04	102.0	10337.08	103.4	P
Beryllium				250.0	251.66	100.7	257.13	102.9	P
Cadmium				250.0	252.66	101.1	254.70	101.9	P
Calcium				25000.0	23571.66	94.3	23992.57	96.0	P
Chromium				1000.0	990.46	99.0	1001.19	100.1	P
Cobalt				2500.0	2459.70	98.4	2487.59	99.5	P
Copper				1250.0	1259.94	100.8	1286.48	102.9	P
Lead				500.0	498.51	99.7	502.60	100.5	P
Magnesium				25000.0	25736.80	102.9	26352.24	105.4	P
Manganese				2500.0	2554.55	102.2	2601.58	104.1	P
Nickel				2500.0	2538.66	101.5	2567.03	102.7	P
Potassium				25000.0	26322.35	105.3	26042.46	104.2	P
Selenium				500.0	489.79	98.0	499.57	99.9	P
Silver				1250.0	1331.91	106.6	1360.83	108.9	P
Sodium				25000.0	24016.11	96.1	23287.99	93.2	P
Thallium				500.0	461.09	92.2	456.29	91.3	P
Vanadium				2500.0	2533.07	101.3	2587.60	103.5	P
Zinc				2500.0	2520.79	100.8	2540.99	101.6	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Initial Calibration Source:

Continuing Calibration Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
					07/16/14 17:48		07/16/14 18:14		
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Calcium				25000.0	24177.92	96.7	23954.21	95.8	P
Manganese				2500.0	2588.01	103.5	2604.32	104.2	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78095**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

LACHAT1_140717A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/17/14 12:09	C	07/17/14 12:37	C	07/17/14 13:07	C	Preparation Blank	C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	0.450	U	CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78113**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

LACHAT1_140718A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/18/14 13:40	C	07/18/14 14:09	C	07/18/14 14:37	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	0.450	U	CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Method Blank ID:
MB-78123

LACHAT1_140718A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/18/14 15:04	C	07/18/14 15:32	C		C		C	M
Cyanide			7.5	U	7.5	U			7.500	U	CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78114**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA2_140717C

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	07/17/14 13:28	C	07/17/14 13:58	C	07/17/14 14:29	C		C	M
Iron	31.0	U	31.0	U	41.4	B	31.6	B	1.633	B	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA2_140717C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/17/14 14:57	C		C		C		C	M
Iron			40.6	B							P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78052**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_140715C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/15/14 11:41	C	07/15/14 12:20	C	07/15/14 12:57	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	66.000	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	9.300	U	P
Arsenic	6.8	B	6.7	B	4.3	U	4.3	U	4.300	U	P
Barium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.260	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	110.000	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.670	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	31.000	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.850	U	P
Potassium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P
Sodium	29.0	U	29.0	U	29.0	U	29.0	U	29.000	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	6.200	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	6.323	B	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140715C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/15/14 13:34	C	07/15/14 14:14	C	07/15/14 14:48	C		C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			5.2	B	4.3	U	6.4	B			P
Barium			1.1	U	1.1	U	1.1	U			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			31.0	U	31.0	U	31.0	U			P
Lead			4.2	U	4.2	U	4.2	U			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Potassium			76.0	U	76.0	U	76.0	U			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			29.0	U	29.0	U	29.0	U			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.9	U	4.9	U	4.9	U			P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140715C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/15/14 15:24	C	07/15/14 15:57	C	07/15/14 16:32	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.3	U	4.3	U			P
Barium			1.1	U	1.1	U	1.1	U			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			31.0	U	31.0	U	31.0	U			P
Lead			4.2	U	4.2	U	4.2	U			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Potassium			76.0	U	76.0	U	76.0	U			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			29.0	U	29.0	U	29.0	U			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.9	U	4.9	U	4.9	U			P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140715C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/15/14 17:05	C	07/15/14 17:48	C	07/15/14 18:21	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U							P
Arsenic			4.3	U	4.3	U	4.3	U			P
Barium			1.1	U	1.1	U	1.1	U			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			31.0	U	31.0	U	31.0	U			P
Lead			4.2	U	4.2	U	4.2	U			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Potassium			76.0	U	129.0	B	86.5	B			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			29.0	U	40.0	B	31.9	B			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.9	U	4.9	U	4.9	U			P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140716A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/16/14 8:35	C	07/16/14 9:11	C		C		C	M
Antimony	9.3	U	9.3	U	9.3	U					P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78053**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_140716B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/16/14 10:14	C	07/16/14 10:51	C	07/16/14 11:32	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	1.728	B	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	0.410	U	P
Barium	1.1	U	2.3	B	1.1	U	1.1	B	0.042	B	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.028	B	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.110	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	8.017	B	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	1.037	B	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.314	B	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.043	U	P
Potassium	87.6	B	76.0	U	106.0	B	86.8	B	8.135	B	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	0.640	U	P
Silver	12.1	B	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	29.0	U	29.0	U	182.0	B	180.5	B	7.064	B	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	0.196	B	P

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3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78054**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_140716B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/16/14 12:15	C	07/16/14 12:53	C	07/16/14 13:33	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U	2.111	B	P
Antimony			9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic			5.8	B	4.3	U	4.3	U	0.410	U	P
Barium			1.1	U	1.1	U	1.1	U	0.040	B	P
Beryllium			0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium			0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium			110.0	U	110.0	U	110.0	U	8.818	B	P
Chromium			0.6	U	0.6	U	0.6	U	0.026	B	P
Cobalt			0.7	U	0.7	U	0.7	U	0.044	U	P
Copper			3.6	U	3.6	U	3.6	U	0.126	B	P
Iron			67.8	B	31.0	U	31.0	U			P
Lead			5.3	B	5.1	B	6.4	B	0.451	B	P
Magnesium			76.0	U	76.0	U	76.0	U	1.714	B	P
Manganese			10.0	U	10.0	U	10.0	U	0.697	B	P
Nickel			0.8	U	0.8	U	0.8	U	0.043	U	P
Potassium			91.8	B	110.6	B	135.1	B	5.708	B	P
Selenium			12.0	U	12.0	U	12.0	U	0.640	U	P
Silver			6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium			50.5	B	33.1	B	29.0	U	1.100	U	P
Thallium			6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium			1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc			12.8	B	11.1	B	10.9	B	0.900	B	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140716B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/16/14 14:06	C	07/16/14 14:40	C	07/16/14 15:14	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.3	U	4.3	U			P
Barium			1.1	U	1.1	U	1.1	U			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			31.0	U	31.0	U	31.0	U			P
Lead			4.2	U	4.2	U	4.2	U			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Potassium			108.2	B	126.5	B	124.0	B			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			29.0	U	29.0	U	29.0	U			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			5.6	B	4.9	U	4.9	U			P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140716B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/16/14 15:58	C	07/16/14 16:37	C	07/16/14 17:15	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.3	U	4.3	U			P
Barium			1.2	B	1.1	U	1.1	U			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Lead			4.4	B	4.5	B	4.2	U			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Potassium			150.1	B	109.5	B	127.0	B			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			29.0	U	29.0	U	29.0	U			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			8.6	B	8.3	B	4.9	U			P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140716B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/16/14 17:52	C	07/16/14 18:18	C		C		C	M
Calcium			110.0	U	110.0	U					P
Manganese			10.0	U	10.0	U					P

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

ICP ID Number: OPTIMA2 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found %R	Final Found Sol. AB	Final Found %R
Iron	200000	200000	190749	192884.5	96.4				

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found %R	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	530201	525582	105.1				
Antimony	0	600	-14	609.5	101.6				
Arsenic	0	100	-13	94.4	94.4				
Barium	0	500	4	532.9	106.6				
Beryllium	0	500	0	510.7	102.1				
Cadmium	0	1000	6	962.8	96.3				
Calcium	500000	500000	546849	540108.2	108.0				
Chromium	0	500	2	495.5	99.1				
Cobalt	0	500	2	468.8	93.8				
Copper	0	500	-2	534.7	106.9				
Iron	200000	200000	192945	191701.2	95.9				
Lead	0	500	8	494.5	98.9				
Magnesium	500000	500000	501701	495809.3	99.2				
Manganese	0	500	-9	502.1	100.4				
Nickel	0	1000	-2	919.5	92.0				
Potassium	0	25000	30	25847.8	103.4				
Selenium	0	500	5	497.7	99.5				
Silver	0	200	4	222.6	111.3				
Sodium	0	25000	-58	25447.4	101.8				
Thallium	0	100	11	82.7	82.7				
Vanadium	0	500	0	512.2	102.4				
Zinc	0	1000	-5	929.8	93.0				

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found %R	Final Found Sol. AB	Final Found %R
Antimony	0	600	-15	611.2	101.9				

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found %R	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	537713	540824.2	108.2				
Antimony	0	600	-16	626.5	104.4				
Arsenic	0	100	-7	99	99.0				
Barium	0	500	4	543.9	108.8				
Beryllium	0	500	0	522.3	104.5				
Cadmium	0	1000	6	1000.6	100.1				
Calcium	500000	500000	559492	558368.9	111.7				
Chromium	0	500	2	512.2	102.4				
Cobalt	0	500	2	479.4	95.9				
Copper	0	500	-2	546.3	109.3				
Iron	200000	200000	196206	197679.1	98.8				
Lead	0	500	7	512	102.4				
Magnesium	500000	500000	505796	507309.9	101.5				
Manganese	0	500	-9	513.3	102.7				
Nickel	0	1000	-2	939.4	93.9				
Potassium	0	25000	46	26192.9	104.8				
Selenium	0	500	24	524	104.8				
Silver	0	200	-2	236.9	118.5				
Sodium	0	25000	-79	25893.4	103.6				
Thallium	0	100	10	83.2	83.2				
Vanadium	0	500	2	524.9	105.0				
Zinc	0	1000	-4	954.8	95.5				

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-11-071014S

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	10.2		0.41	B	23.0	43	N	P
Arsenic	75-125	33.3		15.8		23.0	76		P
Barium	75-125	526		85.7		461	96		P
Beryllium	75-125	12.1		1.2		11.5	95		P
Cadmium	75-125	15.5		8.2		11.5	64	N	P
Chromium	75-125	107		105		46.1	6	N	P
Cobalt	75-125	103		9.9		115	81		P
Copper	75-125	238		175		57.2	111		P
Lead		287		265		23.0	98		P
Nickel	75-125	137		45.2		115	80		P
Selenium	75-125	23.9		0.54	U	23.0	104		P
Silver	75-125	61.4		0.054	B	57.2	107		P
Thallium	75-125	14.8		0.19	U	23.0	64	N	P
Vanadium	75-125	122		26.6		115	83		P
Zinc		714		646		115	59		P
Cyanide	75-125	8.5		2.3		5.1	123		CA

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-23-071014S

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 86.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	9.8		0.61	B	20.4	45	N	P
Arsenic	75-125	31.9		11.5		20.4	100		P
Barium	75-125	486		82.2		407	99		P
Beryllium	75-125	11.0		1.0		10.2	98		P
Cadmium	75-125	19.5		9.2		10.2	101		P
Chromium		180		164		40.7	42		P
Cobalt	75-125	103		10.8		102	91		P
Copper		490		378		50.5	222		P
Lead		453		508		20.4	-269		P
Nickel	75-125	280		112		102	166	N	P
Selenium	75-125	13.1		0.70	U	20.4	64	N	P
Silver	75-125	58.9		1.1	B	50.5	114		P
Thallium	75-125	16.2		0.93	B	20.4	75		P
Vanadium	75-125	118		20.0		102	96		P
Zinc		916		938		102	-22		P
Cyanide	75-125	11.2		4.4		5.5	123		CA

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-11-071014A

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		490.63		9.70	B	455.0	106		P
Cadmium		400.42		191.67		227.0	92		P
Chromium		3335.75		2457.66		910.0	97		P
Thallium		332.40		0.22	U	455.0	73		P

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-23-071014A

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		480.00		11.08	B	455.0	103		P
Nickel		4182.64		2029.58		2270.0	95		P
Selenium		414.02		0.64	U	455.0	91		P

Comments:

U.S. EPA - CLP

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DUPLICATES

EPA SAMPLE NO.

SS-11-071014D

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 85.1 % Solids for Duplicate: 85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		8070.3302		10595.0860		27.1	*	P
Antimony		0.4128	B	0.2800	U	200		P
Arsenic		15.8391		11.8408		28.9	*	P
Barium		85.7471		116.7248		30.6	*	P
Beryllium		1.2263		1.5045		20.4	*	P
Cadmium		8.1568		9.4302		14.5		P
Calcium		36376.0780		45537.0184		22.4	*	P
Chromium		104.5910		71.9163		37	*	P
Cobalt	2.1	9.9259		8.6576		13.6		P
Copper		175.0012		173.0187		1.1		P
Iron		152559.8373		159381.7471		4.4		P
Lead		264.8079		343.6523		25.9	*	P
Magnesium		7147.2521		9175.6319		24.9	*	P
Manganese		3331.5298		4206.5355		23.2	*	P
Nickel		45.2383		39.4093		13.8		P
Potassium		1298.7058		1712.7473		27.5	*	P
Selenium		0.5400	U	0.4700	U			P
Silver		0.0712	B	0.3057	B	124.4		P
Sodium		223.2529		249.5500		11.1		P
Thallium	0.8	0.1900	U	2.0805		200	*	P
Vanadium		26.5900		24.7079		7.3		P
Zinc		646.3247		874.4766		30	*	P
Cyanide	1.0	2.2829		0.4500	U	200	*	CA

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DUPLICATES

EPA SAMPLE NO.

SS-23-071014D

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 86.7 % Solids for Duplicate: 86.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		6482.8029		8237.8186		23.8	*	P
Antimony	1.1	0.6086	B	0.9987		48.5		P
Arsenic		11.4882		12.8315		11		P
Barium		82.2398		97.3357		16.8		P
Beryllium	0.3	1.0046		1.3508		29.4	*	P
Cadmium		9.2257		9.4107		2		P
Calcium		39995.2898		40364.2569		0.9		P
Chromium		163.5299		111.9333		37.5	*	P
Cobalt	2.7	10.7723		12.4051		14.1		P
Copper		377.6948		349.9735		7.6		P
Iron		183082.7552		168949.1832		8		P
Lead		507.9653		422.0050		18.5		P
Magnesium		7245.4409		8724.8672		18.5		P
Manganese		4474.1398		4608.0592		2.9		P
Nickel		111.5153		183.4679		48.8	*	P
Potassium		941.7422		917.9975		2.6		P
Selenium		0.7000	U	0.6300	U			P
Silver		1.0794	B	0.5245	B	69.2		P
Sodium	55.0	139.0727		141.5816		1.8		P
Thallium		0.9290	B	0.2435	B	116.9		P
Vanadium		19.9574		18.9067		5.4		P
Zinc		938.2583		811.0778		14.5		P
Cyanide	1.0	4.4435		4.0153		10.1		CA

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78052

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	9016.11	99.1						
Antimony	455.0	453.60	99.7						
Arsenic	455.0	463.52	101.9						
Barium	9100.0	9389.60	103.2						
Beryllium	227.0	231.07	101.8						
Cadmium	227.0	229.99	101.3						
Calcium	22700.0	21718.02	95.7						
Chromium	910.0	920.55	101.2						
Cobalt	2270.0	2284.60	100.6						
Copper	1130.0	1138.48	100.8						
Iron	4550.0	4777.64	105.0						
Lead	455.0	464.85	102.2						
Magnesium	22700.0	23225.14	102.3						
Manganese	2270.0	2328.75	102.6						
Nickel	2270.0	2288.64	100.8						
Potassium	22700.0	24313.08	107.1						
Selenium	455.0	447.92	98.4						
Silver	1130.0	1137.56	100.7						
Sodium	22700.0	24244.95	106.8						
Thallium	455.0	441.30	97.0						
Vanadium	2270.0	2278.16	100.4						
Zinc	2270.0	2282.10	100.5						

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78053

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	451.0		364	546.0	99.1
Antimony				22.8	22.9		18.2	27.3	100.4
Arsenic				22.8	23.7		18.2	27.3	103.9
Barium				455.0	467.0		364	546.0	102.6
Beryllium				11.4	11.4		9.1	13.6	100.0
Cadmium				11.4	11.7		9.1	13.6	102.6
Calcium				1135.0	1089.0		908	1362.0	95.9
Chromium				45.5	46.1		36.4	54.6	101.3
Cobalt				113.5	114.0		90.8	136.2	100.4
Copper				56.5	57.4		45.2	67.8	101.6
Iron				227.5	252.4		182	273.0	110.9
Lead				22.8	23.2		18.2	27.3	101.8
Magnesium				1135.0	1151.4		908	1362.0	101.4
Manganese				113.5	117.3		90.8	136.2	103.3
Nickel				113.5	113.5		90.8	136.2	100.0
Potassium				1135.0	1165.2		908	1362.0	102.7
Selenium				22.8	22.0		18.2	27.3	96.5
Silver				56.5	60.2		42.4	67.8	106.5
Sodium				1135.0	1152.6		908	1362.0	101.6
Thallium				22.8	21.6		18.2	27.3	94.7
Vanadium				113.5	114.7		90.8	136.2	101.1
Zinc				113.5	112.2		90.8	136.2	98.9

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7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78054

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	461.2		364	546.0	101.4
Antimony				22.8	22.4		18.2	27.3	98.2
Arsenic				22.8	23.7		18.2	27.3	103.9
Barium				455.0	464.3		364	546.0	102.0
Beryllium				11.4	11.4		9.1	13.6	100.0
Cadmium				11.4	11.9		9.1	13.6	104.4
Calcium				1135.0	1127.0		908	1362.0	99.3
Chromium				45.5	47.1		36.4	54.6	103.5
Cobalt				113.5	116.2		90.8	136.2	102.4
Copper				56.5	57.7		45.2	67.8	102.1
Lead				22.8	24.0		18.2	27.3	105.3
Magnesium				1135.0	1167.4		908	1362.0	102.9
Manganese				113.5	120.5		90.8	136.2	106.2
Nickel				113.5	116.0		90.8	136.2	102.2
Potassium				1135.0	1191.9		908	1362.0	105.0
Selenium				22.8	21.7		18.2	27.3	95.2
Silver				56.5	60.2		42.4	67.8	106.5
Sodium				1135.0	1101.8		908	1362.0	97.1
Thallium				22.8	21.0		18.2	27.3	92.1
Vanadium				113.5	115.1		90.8	136.2	101.4
Zinc				113.5	114.7		90.8	136.2	101.1

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-78095**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide				5.0	4.8		4	6.0	96.0

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78113

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide				5.0	5.5		4	6.0	110.0

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-78114**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Iron				227.5	237.4		182	273.0	104.4

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78123

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide	100.0	109.69	109.7						

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID: **LCSD-78123**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide	100.0	110.41	110.4						

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ICP SERIAL DILUTIONS

EPA SAMPLE NO.

SS-11-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	189634.88		184631.82		3		P
Antimony	9.70	B	46.50	U	100		P
Arsenic	372.18		430.95		16	E	P
Barium	2014.87		2119.14		5		P
Beryllium	28.82		30.71		7		P
Cadmium	191.67		132.68		31	E	P
Calcium	42737.86		42799.17		0		P
Chromium	2457.66		2581.00		5		P
Cobalt	233.24		268.01		15	E	P
Copper	4112.14		4012.03		2		P
Iron	179240.91		189162.23		6		P
Lead	6222.40		7034.81		13	E	P
Magnesium	167944.59		184874.35		10	E	P
Manganese	3914.18		4059.71		4		P
Nickel	1063.00		1199.73		13	E	P
Potassium	30516.71		31746.11		4		P
Selenium	12.00	U	300.67				P
Silver	6.90	B	34.50	U	100		P
Sodium	5245.95		5580.10		6		P
Thallium	6.20	U	158.32				P
Vanadium	624.81		702.76		13	E	P
Zinc	15187.20		17663.01		16	E	P

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

SS-23-071014

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	117987.02		118648.66		1		P
Antimony	11.08	B	46.50	U	100		P
Arsenic	209.09		309.57		48		P
Barium	1496.76		1609.68		8		P
Beryllium	18.28		20.06		10		P
Cadmium	167.91		125.63		25	E	P
Calcium	36395.72		35271.25		3		P
Chromium	2976.24		3211.06		8		P
Cobalt	196.06		230.61		18	E	P
Copper	6874.05		6920.94		1		P
Iron	166605.31		161774.02		3		P
Lead	9244.97		10551.47		14	E	P
Magnesium	131867.03		149623.78		14	E	P
Manganese	4071.47		4028.55		1		P
Nickel	2029.58		2286.74		13	E	P
Potassium	17139.71		18360.87		7		P
Selenium	12.00	U	310.55				P
Silver	19.64	B	34.50	U	100		P
Sodium	2531.12		2557.09		1		P
Thallium	16.91	B	131.85		680		P
Vanadium	363.22		428.67		18	E	P
Zinc	17076.30		20226.48		18	E	P

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METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument Type: CA InstrumentID: LACHAT1 Date: 01/11/2010

Preparation Method: Midi-

Concentration Units (ug/L or mg/kg): mg/Kg

Analyte	Wavelength /Mass	CRDL	MDL
Cyanide	570.00	1.0	0.45

Comments:

U.S. EPA - CLP

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METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument Type: CA InstrumentID: LACHAT1 Date: 01/11/2010

Preparation Method: Midi-

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Wavelength /Mass	CRDL	MDL
Cyanide	570.00	20	7.5

Comments:

U.S. EPA - CLP

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METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument Type: P InstrumentID: OPTIMA2 Date: 06/03/2010

Preparation Method: 3050B

Concentration Units (ug/L or mg/kg): mg/Kg

Analyte	Wavelength /Mass	CRDL	MDL
Iron	273.96	10	1.5

Comments:

U.S. EPA - CLP

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METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument Type: P InstrumentID: OPTIMA2 Date: 03/03/2010

Preparation Method: 3005A

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Wavelength /Mass	CRDL	MDL
Iron	273.96	200	31.0

Comments:

U.S. EPA - CLP

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METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument Type: P InstrumentID: OPTIMA3 Date: 06/03/2010

Preparation Method: 3050B

Concentration Units (ug/L or mg/kg): mg/Kg

Analyte	Wavelength /Mass	CRDL	MDL
Aluminum	308.21	10	1.2
Antimony	206.83	1.0	0.38
Arsenic	188.98	1.0	0.41
Barium	233.53	10	0.031
Beryllium	313.11	0.25	0.0015
Cadmium	226.50	0.25	0.015
Calcium	227.54	40	6.1
Chromium	267.72	1.0	0.019
Cobalt	228.62	2.5	0.044
Copper	324.75	1.5	0.11
Iron	273.96	10	1.5
Lead	220.35	0.50	0.17
Magnesium	279.08	25	0.63
Manganese	257.61	2.5	0.13
Nickel	231.60	2.5	0.043
Potassium	766.49	50	3.4
Selenium	196.03	1.5	0.64
Silver	328.07	1.5	0.064
Sodium	589.59	50	1.1
Thallium	190.80	1.0	0.22
Vanadium	292.40	2.5	0.060
Zinc	206.20	2.5	0.18

Comments:

U.S. EPA - CLP

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METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument Type: P InstrumentID: OPTIMA3 Date: 03/03/2010

Preparation Method: 3005A

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Wavelength /Mass	CRDL	MDL
Aluminum	308.21	200	66.0
Antimony	206.83	20	9.3
Arsenic	188.98	20	4.3
Barium	233.53	200	1.1
Beryllium	313.11	5.0	0.26
Cadmium	226.50	5.0	0.89
Calcium	227.54	800	110
Chromium	267.72	20	0.64
Cobalt	228.62	50	0.67
Copper	324.75	30	3.6
Iron	273.96	200	31.0
Lead	220.35	10	4.2
Magnesium	279.08	500	76.0
Manganese	257.61	50	10.0
Nickel	231.60	50	0.85
Potassium	766.49	1000	76.0
Selenium	196.03	30	12.0
Silver	328.07	30	6.9
Sodium	589.59	1000	29.0
Thallium	190.80	20	6.2
Vanadium	292.40	50	1.1
Zinc	206.20	50	4.9

Comments:

U.S. EPA - CLP

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ICP INTERELEMENT CORRECTION FACTORS (BIANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

ICP ID Number: OPTIMA2 Date: 5/27/2014

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Co
Aluminum	308.21		0.1450040	0.0000000	0.1063110	0.0000000
Antimony	206.83	-0.0175253	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	188.97	0.0118331	0.0000000	-0.0295302	0.0000000	0.0000000
Barium	233.52	0.0000000	0.0000000	-0.4316690	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0784745	0.0000000	-0.0489922
Calcium	227.54	0.0000000		-5.0141700	0.0000000	148.0750000
Chromium	267.71	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.61	0.0000000	0.0000000	0.0000000	0.0000000	
Copper	324.75	0.0000000	0.0000000	-0.0761413	0.0000000	0.0000000
Iron	273.95	0.1355400	0.0000000		0.0987246	0.0000000
Lead	220.35	-0.0940874	-0.0144455	0.0307556	0.0000000	0.0000000
Magnesium	279.07	0.0000000	0.0000000	-0.3569200		0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0392453	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	-0.2281030
Selenium	196.02	0.0232106	-0.0268879	0.0944059	0.0125259	0.5771800
Silver	328.06	0.0000000	0.0123764	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.2510600	0.0454983	0.0651731	0.0000000	3.2736300
Titanium	334.94	0.0000000	-0.0126695	0.0000000	0.0406190	0.0000000
Vanadium	292.40	0.0000000	0.0000000	-0.0498636	0.0000000	0.1295940
Zinc	206.20	0.0000000	0.0000000	-0.0417409	0.0000000	0.0000000

Comments:

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ICP INTERELEMENT CORRECTION FACTORS (BIANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

ICP ID Number: OPTIMA3 Date: 5/23/2014

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Co
Aluminum	308.21		0.2233080	0.0000000	0.0701020	0.0000000
Antimony	206.83	0.0701592	0.0000000	0.0674350	0.0179504	0.0000000
Arsenic	188.97	0.0174178	-0.0088265	-0.0884562	0.0000000	0.0000000
Barium	233.52	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0431756	0.0000000	-0.0609472
Calcium	227.54	-0.3243120		-10.8248000	0.0000000	132.9590000
Chromium	267.71	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.61	0.0000000	0.0000000	0.0000000	0.0000000	
Copper	324.75	0.0000000	0.0000000	-0.0700935	0.0000000	0.0000000
Iron	273.95	0.1343570	0.0000000		0.0470804	0.0000000
Lead	220.35	-0.0790092	0.0000000	0.0463435	0.0000000	0.0000000
Magnesium	279.07	0.0000000	0.0000000	-0.4904110		0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0382888	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0070901	-0.2299410
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	-0.0317526	0.0130577	-0.3368140	0.0140859	-0.8537130
Silver	328.06	0.0000000	0.0000000	-0.0189754	0.0000000	0.0000000
Sodium	589.59	0.5397120	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0182396	-0.0273424	-0.1178140	-0.0203476	7.3690700
Titanium	334.94	0.0000000	-0.0139899	0.0000000	0.0397935	0.0000000
Vanadium	292.40	0.0000000	0.0000000	-0.0584959	0.0000000	0.0000000
Zinc	206.20	0.0180111	0.0000000	0.0274464	0.0000000	0.0000000

Comments:

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ICP INTERELEMENT CORRECTION FACTORS (BIANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

ICP ID Number: OPTIMA2 Date: 5/27/2014

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Cu	Mn	Ni	Tl
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	13.1922000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	188.97	-6.6307500	0.0000000	0.0000000	0.0000000	0.0000000
Barium	233.52	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	-0.1023590	0.0000000
Calcium	227.54	0.0000000	11.9900000	-13.0974000	6.2696000	0.0000000
Chromium	267.71		0.0000000	0.8078230	0.0000000	0.0000000
Cobalt	228.61	0.0000000	0.0000000	0.0000000	0.1222030	0.0000000
Copper	324.75	-0.1303840		0.0000000	0.0000000	0.0000000
Iron	273.95	-4.1890000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	-1.2187000	0.0000000	-0.1193950	0.0000000
Magnesium	279.07	2.9028700	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000		0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000		0.3537200
Selenium	196.02	0.0000000	0.0000000	0.5520440	0.0000000	0.0000000
Silver	328.06	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.4631300	0.0000000	0.0000000	0.0000000	
Titanium	334.94	0.1671790	0.0000000	0.0000000	0.0000000	0.2066560
Vanadium	292.40	-0.5390010	0.3658250	0.0000000	0.0000000	0.0000000
Zinc	206.20	-2.2610100	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

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ICP INTERELEMENT CORRECTION FACTORS (BIANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

ICP ID Number: OPTIMA3 Date: 5/23/2014

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Cu	Mn	Ni	Tl
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	12.4849000	0.3430880	0.0000000	0.0000000	0.0000000
Arsenic	188.97	-8.3245900	0.0000000	0.1625520	0.0000000	0.0000000
Barium	233.52	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	-0.2837500	0.0000000
Calcium	227.54	0.0000000	0.0000000	0.0000000	50.2995000	0.0000000
Chromium	267.71		0.0000000	0.3638410	0.0000000	0.0000000
Cobalt	228.61	0.0000000	0.0000000	0.0000000	0.1588660	0.0000000
Copper	324.75	0.0000000		0.0000000	0.0000000	0.0000000
Iron	273.95	-3.2165500	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.5546330	0.0000000	0.0827949	0.0000000
Magnesium	279.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000		0.0622839	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000		0.4445250
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.02	0.0000000	0.0000000	0.5398860	0.1103120	0.4185850
Silver	328.06	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.3498510	0.0000000	1.8574100	0.0000000	
Titanium	334.94	0.2442790	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-2.1106300	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	-3.0140700	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

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ICP INTERELEMENT CORRECTION FACTORS (BIANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

ICP ID Number: OPTIMA2 Date: 5/27/2014

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ti	V	___	___	___
Aluminum	308.21	0.0000000	7.1303500			
Antimony	206.83	-1.4219400	-1.0595200			
Arsenic	188.97	-0.7096530	0.0000000			
Barium	233.52	0.0000000	-0.4424150			
Beryllium	313.10	-1.8770600	-0.0380331			
Cadmium	226.50	0.0000000	0.0000000			
Calcium	227.54	0.0000000	17.0176000			
Chromium	267.71	0.0000000	-0.5850610			
Cobalt	228.61	2.0029000	0.0000000			
Copper	324.75	0.0000000	-0.1467480			
Iron	273.95	0.0000000	-41.8341000			
Lead	220.35	-0.8634870	-0.0610277			
Magnesium	279.07	0.0000000	0.0000000			
Manganese	257.61	0.0000000	0.0000000			
Nickel	231.60	0.6836560	0.0000000			
Selenium	196.02	0.0000000	0.5093230			
Silver	328.06	0.0000000	-0.7013200			
Thallium	190.80	3.8771000	2.6042500			
Titanium	334.94		0.0000000			
Vanadium	292.40	0.7034060				
Zinc	206.20	0.0000000	0.0000000			

Comments:

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ICP INTERELEMENT CORRECTION FACTORS (BIANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

ICP ID Number: OPTIMA3 Date: 5/23/2014

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ti	V	___	___	___
Aluminum	308.21	0.0000000	9.7081300			
Antimony	206.83	-0.7999450	-1.2353600			
Arsenic	188.97	0.0000000	0.0000000			
Barium	233.52	0.0000000	-1.2005400			
Beryllium	313.10	-1.7540100	-0.0381459			
Cadmium	226.50	0.0000000	0.0000000			
Calcium	227.54	0.0000000	59.4637000			
Chromium	267.71	0.0000000	-0.4278750			
Cobalt	228.61	2.0394600	0.0000000			
Copper	324.75	0.0000000	-0.1382010			
Iron	273.95	0.0000000	-35.2675000			
Lead	220.35	-0.5991290	0.0000000			
Magnesium	279.07	0.0000000	0.0000000			
Manganese	257.61	0.0000000	0.0000000			
Nickel	231.60	0.5814680	0.0000000			
Potassium	766.49	0.0000000	0.0000000			
Selenium	196.02	0.0000000	-0.1990150			
Silver	328.06	0.0000000	-0.8036820			
Sodium	589.59	0.0000000	0.0000000			
Thallium	190.80	1.1836200	5.3996100			
Titanium	334.94		0.0000000			
Vanadium	292.40	1.0181800				
Zinc	206.20	0.0000000	0.0000000			

Comments:

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ICP LINEAR RANGES (BIANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

ICP ID Number: OPTIMA3 Date: 6/24/2014

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	0.20	500000	P
Antimony	0.20	50000	P
Arsenic	0.20	50000	P
Barium	0.20	100000	P
Beryllium	0.20	5000	P
Cadmium	0.20	50000	P
Calcium	0.20	500000	P
Chromium	0.20	50000	P
Cobalt	0.20	100000	P
Copper	0.20	50000	P
Iron	0.20	500000	P
Lead	0.20	100000	P
Magnesium	0.20	500000	P
Manganese	0.20	50000	P
Nickel	0.20	100000	P
Potassium	0.20	500000	P
Selenium	0.20	50000	P
Silver	0.20	2500	P
Sodium	0.20	500000	P
Thallium	0.20	50000	P
Vanadium	0.20	50000	P
Zinc	0.20	50000	P

Comments:

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ICP LINEAR RANGES (BIANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

ICP ID Number: OPTIMA2 Date: 6/24/2014

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Iron	0.20	500000	P

Comments:

U.S. EPA - CLP

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Method: 3005A Batch ID: 78052

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
FB-01-071014	07/11/2014		50
GW-TP-01-071014	07/11/2014		50
GW-TP-02-071014	07/11/2014		50
GW-TP-03-071014	07/11/2014		50
LCSW	07/11/2014		50
PBW	07/11/2014		50

Comments:

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Method: 3050B Batch ID: 78053

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	07/11/2014	1.00	50
PBS	07/11/2014	1.00	50
SS-11-071014	07/11/2014	1.38	50
SS-11-071014D	07/11/2014	1.59	50
SS-11-071014S	07/11/2014	1.16	50
SS-12-071014	07/11/2014	1.20	50
SS-13-071014	07/11/2014	1.45	50
SS-14-071014	07/11/2014	1.38	50
SS-15-071014	07/11/2014	1.65	50
SS-16-071014	07/11/2014	1.94	50
SS-17-071014	07/11/2014	1.35	50
SS-18-071014	07/11/2014	1.11	50

Comments:

U.S. EPA - CLP

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Method: 3050B Batch ID: 78054

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	07/11/2014	1.00	50
PBS	07/11/2014	1.00	50
SS-19-071014	07/11/2014	1.91	50
SS-20-071014	07/11/2014	1.54	50
SS-21-071014	07/11/2014	1.08	50
SS-22-071014	07/11/2014	1.09	50
SS-23-071014	07/11/2014	1.05	50
SS-23-071014D	07/11/2014	1.17	50
SS-23-071014S	07/11/2014	1.29	50
SS-24-071014	07/11/2014	1.08	50
SS-25-071014	07/11/2014	1.29	50
SS-26-071014	07/11/2014	1.26	50
SS-27-071014	07/11/2014	1.53	50
SS-28-071014	07/11/2014	1.23	50
SS-29-071014	07/11/2014	1.29	50
SS-30-071014	07/11/2014	1.15	50
SS-31-071014	07/11/2014	1.55	50
SS-32-071014	07/11/2014	1.01	50
SS-FD-03-071014	07/11/2014	1.43	50

Comments:

U.S. EPA - CLP

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Method: Midi-distill Batch ID: 78095

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	07/16/2014	1.00	50
PBS	07/16/2014	1.00	50
SS-11-071014	07/16/2014	1.17	50
SS-11-071014D	07/16/2014	1.18	50
SS-11-071014S	07/16/2014	1.16	50
SS-12-071014	07/16/2014	1.03	50
SS-13-071014	07/16/2014	1.04	50
SS-14-071014	07/16/2014	1.04	50
SS-15-071014	07/16/2014	1.09	50
SS-16-071014	07/16/2014	1.15	50
SS-17-071014	07/16/2014	1.14	50
SS-18-071014	07/16/2014	1.08	50
SS-19-071014	07/16/2014	1.13	50
SS-20-071014	07/16/2014	1.19	50

Comments:

U.S. EPA - CLP

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Method: Midi-distill Batch ID: 78113

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	07/17/2014	1.00	50
PBS	07/17/2014	1.00	50
SS-21-071014	07/17/2014	1.16	50
SS-22-071014	07/17/2014	1.03	50
SS-23-071014	07/17/2014	1.17	50
SS-23-071014D	07/17/2014	1.01	50
SS-23-071014S	07/17/2014	1.05	50
SS-24-071014	07/17/2014	1.19	50
SS-25-071014	07/17/2014	1.02	50
SS-26-071014	07/17/2014	1.08	50
SS-27-071014	07/17/2014	1.06	50
SS-28-071014	07/17/2014	1.07	50
SS-29-071014	07/17/2014	1.18	50
SS-30-071014	07/17/2014	1.20	50
SS-31-071014	07/17/2014	1.01	50
SS-32-071014	07/17/2014	1.12	50
SS-FD-03-071014	07/17/2014	1.04	50

Comments:

U.S. EPA - CLP

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Method: 3050B Batch ID: 78114

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	07/17/2014	1.00	50
PBS	07/17/2014	1.00	50
SS-19-071014	07/17/2014	1.91	50
SS-20-071014	07/17/2014	1.54	50
SS-21-071014	07/17/2014	1.08	50
SS-22-071014	07/17/2014	1.09	50
SS-23-071014	07/17/2014	1.05	50
SS-23-071014D	07/17/2014	1.17	50
SS-24-071014	07/17/2014	1.08	50
SS-25-071014	07/17/2014	1.29	50
SS-26-071014	07/17/2014	1.26	50
SS-27-071014	07/17/2014	1.53	50
SS-28-071014	07/17/2014	1.23	50
SS-29-071014	07/17/2014	1.29	50
SS-30-071014	07/17/2014	1.15	50
SS-31-071014	07/17/2014	1.55	50
SS-32-071014	07/17/2014	1.01	50
SS-FD-03-071014	07/17/2014	1.43	50

Comments:

U.S. EPA - CLP

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Preparation Method: Midi-distill Batch ID: 78123

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
FB-01-071014	07/17/2014		50
GW-TP-01-071014	07/17/2014		50
GW-TP-02-071014	07/17/2014		50
GW-TP-03-071014	07/17/2014		50
LCSW	07/17/2014		50
LCSW02	07/17/2014		50
PBW	07/17/2014		50

Comments:

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: LACHAT1 Method: CA

Start Date: 07/17/2014 End Date: 07/17/2014

LACHAT1_140717A

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1143																								X
S0.01	1.0	1146																								X
S0.025	1.0	1148																								X
S0.050	1.0	1151																								X
S0.1	1.0	1153																								X
S0.2	1.0	1156																								X
S0.3	1.0	1158																								X
ICV	1.0	1202																								X
ICB	1.0	1204																								X
CCV	1.0	1207																								X
CCB	1.0	1209																								X
PBS	1.0	1212																								X
LCSS	1.0	1214																								X
ZZZZZZ	1.0	1217																								
ZZZZZZ	1.0	1219																								
ZZZZZZ	1.0	1222																								
ZZZZZZ	1.0	1224																								
SS-11-071014	1.0	1227																								X
SS-11-071014D	1.0	1229																								X
SS-11-071014S	1.0	1232																								X
CCV	1.0	1234																								X
CCB	1.0	1237																								X
ZZZZZZ	1.0	1239																								
SS-12-071014	1.0	1242																								X
SS-13-071014	1.0	1244																								X
SS-14-071014	1.0	1247																								X
SS-15-071014	1.0	1249																								X
SS-16-071014	1.0	1252																								X
SS-17-071014	1.0	1254																								X
SS-18-071014	1.0	1257																								X
SS-19-071014	1.0	1259																								X
SS-20-071014	1.0	1302																								X

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: LACHAT1 Method: CA

Start Date: 07/17/2014 End Date: 07/17/2014

LACHAT1_140717A

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.0	1304																										X
CCB	1.0	1307																										X

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: LACHAT1 Method: CA

Start Date: 07/18/2014 End Date: 07/18/2014

LACHAT1_140718A

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1314																								X
S0.01	1.0	1317																								X
S0.025	1.0	1319																								X
S0.050	1.0	1322																								X
S0.1	1.0	1324																								X
S0.2	1.0	1327																								X
S0.3	1.0	1329																								X
ICV	1.0	1333																								X
ICB	1.0	1335																								X
CCV	1.0	1338																								X
CCB	1.0	1340																								X
PBS	1.0	1343																								X
LCSS	1.0	1345																								X
SS-21-071014	1.0	1348																								X
SS-22-071014	1.0	1350																								X
SS-23-071014	1.0	1353																								X
SS-23-071014D	1.0	1355																								X
SS-23-071014S	1.0	1358																								X
SS-24-071014	1.0	1402																								X
SS-FD-03-071014	1.0	1404																								X
CCV	1.0	1407																								X
CCB	1.0	1409																								X
SS-25-071014	1.0	1412																								X
SS-26-071014	1.0	1414																								X
SS-27-071014	1.0	1417																								X
SS-28-071014	1.0	1419																								X
SS-29-071014	1.0	1422																								X
SS-30-071014	1.0	1424																								X
SS-31-071014	1.0	1427																								X
SS-32-071014	1.0	1429																								X
ZZZZZZ	1.0	1432																								

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: LACHAT1 Method: CA

Start Date: 07/18/2014 End Date: 07/18/2014

LACHAT1_140718A

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.0	1434																								X
CCB	1.0	1437																								X
PBW	1.0	1439																								X
LCSW	1.0	1442																								X
LCSW02	1.0	1444																								X
ZZZZZZ	1.0	1447																								
ZZZZZZ	1.0	1449																								
ZZZZZZ	1.0	1452																								
ZZZZZZ	1.0	1454																								
GW-TP-01-071014	1.0	1457																								X
GW-TP-03-071014	1.0	1459																								X
CCV	1.0	1502																								X
CCB	1.0	1504																								X
GW-TP-02-071014	1.0	1507																								X
FB-01-071014	1.0	1509																								X
ZZZZZZ	1.0	1512																								
ZZZZZZ	1.0	1514																								
ZZZZZZ	1.0	1517																								
ZZZZZZ	1.0	1519																								
ZZZZZZ	1.0	1522																								
ZZZZZZ	1.0	1524																								
ZZZZZZ	1.0	1527																								
CCV	1.0	1530																								X
CCB	1.0	1532																								X

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: OPTIMA2 Method: P

Start Date: 07/17/2014 End Date: 07/17/2014

OPTIMA2_140717C

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1255												X													
S1	1.0	1259												X													
S2	1.0	1301												X													
S3	1.0	1305												X													
ICV	1.0	1308												X													
ICB	1.0	1312												X													
ZZZZZZ	1.0	1315																									
ICSA	1.0	1319												X													
ICSAB	1.0	1321												X													
CCV	1.0	1324												X													
CCB	1.0	1328												X													
PBS	1.0	1331												X													
LCSS	1.0	1335												X													
ZZZZZZ	1.0	1338																									
SS-19-071014	20.0	1341												X													
SS-20-071014	20.0	1344												X													
SS-21-071014	20.0	1347												X													
SS-22-071014	20.0	1350												X													
CCV	1.0	1354												X													
CCB	1.0	1358												X													
SS-23-071014	20.0	1401												X													
SS-23-071014D	20.0	1405												X													
SS-23-071014L	100.0	1408												X													
SS-24-071014	20.0	1412												X													
SS-FD-03-071014	20.0	1415												X													
SS-25-071014	20.0	1419												X													
SS-26-071014	20.0	1422												X													
CCV	1.0	1426												X													
CCB	1.0	1429												X													
SS-27-071014	20.0	1433												X													
SS-28-071014	20.0	1437												X													

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: OPTIMA2 Method: P

Start Date: 07/17/2014 End Date: 07/17/2014

OPTIMA2_140717C

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
SS-29-071014	20.0	1440												X													
SS-30-071014	20.0	1444												X													
SS-31-071014	20.0	1447												X													
SS-32-071014	20.0	1450												X													
CCV	1.0	1454												X													
CCB	1.0	1457												X													

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: OPTIMA3 Method: P

Start Date: 07/15/2014 End Date: 07/15/2014

OPTIMA3_140715C

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1104		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S1	1.0	1108		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S2	1.0	1111		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S3	1.0	1115		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV	1.0	1119		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB	1.0	1123		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1127																									
ICSA	1.0	1130		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.0	1134		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.0	1138		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1141		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1145																									
ZZZZZZ	1.0	1149																									
ZZZZZZ	1.0	1152																									
ZZZZZZ	1.0	1157																									
ZZZZZZ	20.0	1201																									
ZZZZZZ	20.0	1205																									
ZZZZZZ	20.0	1208																									
ZZZZZZ	20.0	1212																									
CCV	1.0	1216		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1220		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	20.0	1223																									
ZZZZZZ	20.0	1227																									
ZZZZZZ	20.0	1231																									
ZZZZZZ	20.0	1234																									
ZZZZZZ	20.0	1238																									
ZZZZZZ	20.0	1242																									
ZZZZZZ	20.0	1246																									
ZZZZZZ	100.0	1249																									
CCV	1.0	1253		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1257		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1300																									

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: OPTIMA3 Method: P

Start Date: 07/15/2014 End Date: 07/15/2014

OPTIMA3_140715C

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.0	1304																										
ZZZZZZ	1.0	1308																										
ZZZZZZ	1.0	1312																										
ZZZZZZ	1.0	1315																										
ZZZZZZ	1.0	1319																										
ZZZZZZ	1.0	1323																										
ZZZZZZ	1.0	1326																										
CCV	1.0	1330		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCB	1.0	1334		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.0	1337																										
ZZZZZZ	1.0	1341																										
ZZZZZZ	1.0	1345																										
ZZZZZZ	1.0	1349																										
ZZZZZZ	1.0	1352																										
ZZZZZZ	1.0	1356																										
ZZZZZZ	1.0	1400																										
ZZZZZZ	1.0	1403																										
ZZZZZZ	5.0	1407																										
CCV	1.0	1411		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCB	1.0	1414		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.0	1418																										
ZZZZZZ	1.0	1422																										
ZZZZZZ	1.0	1425																										
ZZZZZZ	1.0	1429																										
ZZZZZZ	1.0	1433																										
ZZZZZZ	1.0	1436																										
ZZZZZZ	1.0	1440																										
CCV	1.0	1444		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCB	1.0	1448		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.0	1451																										
ZZZZZZ	1.0	1454																										
ZZZZZZ	1.0	1458																										

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: OPTIMA3 Method: P

Start Date: 07/15/2014 End Date: 07/15/2014

OPTIMA3_140715C

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.0	1502																										
ZZZZZZ	1.0	1506																										
ZZZZZZ	1.0	1509																										
ZZZZZZ	1.0	1513																										
ZZZZZZ	5.0	1516																										
CCV	1.0	1520		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCB	1.0	1524		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.0	1527																										
ZZZZZZ	1.0	1530																										
ZZZZZZ	1.0	1534																										
ZZZZZZ	20.0	1538																										
ZZZZZZ	20.0	1542																										
ZZZZZZ	20.0	1546																										
ZZZZZZ	20.0	1549																										
CCV	1.0	1553		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCB	1.0	1557		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	20.0	1601																										
ZZZZZZ	20.0	1605																										
ZZZZZZ	20.0	1608																										
ZZZZZZ	100.0	1612																										
ZZZZZZ	20.0	1616																										
ZZZZZZ	20.0	1619																										
ZZZZZZ	20.0	1623																										
CCV	1.0	1628		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCB	1.0	1632		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
PBW	1.0	1636		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
LCSW	1.0	1639		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.0	1643																										
ZZZZZZ	1.0	1647																										
ZZZZZZ	1.0	1650																										
ZZZZZZ	1.0	1654																										
ZZZZZZ	5.0	1658																										

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: OPTIMA3 Method: P

Start Date: 07/15/2014 End Date: 07/15/2014

OPTIMA3_140715C

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.0	1701		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1705		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1709																									
ZZZZZZ	1.0	1712																									
ZZZZZZ	1.0	1716																									
ZZZZZZ	1.0	1720																									
ZZZZZZ	1.0	1723																									
GW-TP-01-071014	1.0	1727		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
GW-TP-03-071014	1.0	1731		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1734																									
ZZZZZZ	1.0	1738																									
CCV	1.0	1744		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1748		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
GW-TP-02-071014	1.0	1752		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
FB-01-071014	1.0	1755		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1759																									
ZZZZZZ	1.0	1803																									
ZZZZZZ	1.0	1806																									
ZZZZZZ	1.0	1810																									
ZZZZZZ	5.0	1814																									
CCV	1.0	1817		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1821		X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: OPTIMA3 Method: P

Start Date: 07/16/2014 End Date: 07/16/2014

OPTIMA3_140716A

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	0800			X																						
S1	1.0	0803			X																						
S2	1.0	0807			X																						
S3	1.0	0810			X																						
ICV	1.0	0814			X																						
ICB	1.0	0817			X																						
ZZZZZZ	1.0	0821																									
ICSA	1.0	0824			X																						
ICSAB	1.0	0828			X																						
CCV	1.0	0832			X																						
CCB	1.0	0835			X																						
ZZZZZZ	1.0	0839																									
ZZZZZZ	1.0	0842																									
ZZZZZZ	1.0	0846																									
ZZZZZZ	1.0	0849																									
GW-TP-01-071014	1.0	0853			X																						
GW-TP-03-071014	1.0	0856			X																						
GW-TP-02-071014	1.0	0900			X																						
FB-01-071014	1.0	0903			X																						
CCV	1.0	0906			X																						
CCB	1.0	0911			X																						

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: OPTIMA3 Method: P

Start Date: 07/16/2014 End Date: 07/16/2014

OPTIMA3_140716B

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	0931		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S1	1.0	0935		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S2	1.0	0939		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S3	1.0	0943		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV	1.0	0946		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB	1.0	0950		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	0953																									
ZZZZZZ	1.0	0959																									
ICSA	1.0	1003		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.0	1006		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.0	1010		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1014		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1017																									
ZZZZZZ	1.0	1021																									
ZZZZZZ	1.0	1025																									
ZZZZZZ	1.0	1029																									
ZZZZZZ	1.0	1032																									
ZZZZZZ	1.0	1036																									
ZZZZZZ	1.0	1040																									
ZZZZZZ	1.0	1043																									
CCV	1.0	1047		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1051		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1054																									
ZZZZZZ	1.0	1058																									
ZZZZZZ	1.0	1102																									
ZZZZZZ	5.0	1106																									
ZZZZZZ	1.0	1109																									
ZZZZZZ	1.0	1113																									
ZZZZZZ	1.0	1117																									
ZZZZZZ	1.0	1120																									
ZZZZZZ	1.0	1124																									
CCV	1.0	1128		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: OPTIMA3 Method: P

Start Date: 07/16/2014 End Date: 07/16/2014

OPTIMA3_140716B

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.0	1132		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PBS	1.0	1135		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCSS	1.0	1139		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1143																										
ZZZZZZ	1.0	1146																										
ZZZZZZ	1.0	1150																										
ZZZZZZ	1.0	1154																										
ZZZZZZ	1.0	1157																										
ZZZZZZ	1.0	1200																										
ZZZZZZ	1.0	1203																										
ZZZZZZ	1.0	1207																										
CCV	1.0	1211		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1215		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1218																										
ZZZZZZ	1.0	1222																										
ZZZZZZ	1.0	1226																										
ZZZZZZ	1.0	1230																										
SS-11-071014	1.0	1234		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-11-071014D	1.0	1238		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-11-071014S	1.0	1241			X	X	X	X	X		X	X	X		X				X		X	X		X	X	X	
SS-11-071014L	5.0	1245		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
CCV	1.0	1249		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1253		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SS-11-071014A	1.0	1256			X				X			X												X			
SS-12-071014	1.0	1300		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-13-071014	1.0	1304		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-14-071014	1.0	1308		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-15-071014	1.0	1311		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-16-071014	1.0	1316		X	X	X	X	X	X		X	X	X		X				X	X	X	X	X	X	X	X	
SS-17-071014	1.0	1319		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-18-071014	1.0	1322		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
ZZZZZZ	20.0	1326																										

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: OPTIMA3 Method: P

Start Date: 07/16/2014 End Date: 07/16/2014

OPTIMA3_140716B

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV	1.0	1329		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1333		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	20.0	1337																									
ZZZZZZ	20.0	1340																									
ZZZZZZ	20.0	1344																									
ZZZZZZ	20.0	1348																									
ZZZZZZ	20.0	1351																									
ZZZZZZ	20.0	1355																									
ZZZZZZ	20.0	1359																									
CCV	1.0	1403		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1406		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	20.0	1410																									
ZZZZZZ	20.0	1414																									
ZZZZZZ	20.0	1417																									
ZZZZZZ	20.0	1421																									
SS-11-071014	20.0	1425								X				X			X										
SS-11-071014D	20.0	1428								X				X			X										
SS-11-071014L	100.0	1433								X				X			X										
CCV	1.0	1437		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1440		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SS-12-071014	20.0	1444								X				X			X										
SS-13-071014	20.0	1448								X				X			X										
SS-14-071014	20.0	1451								X				X			X										
SS-15-071014	20.0	1455								X				X			X										
SS-16-071014	20.0	1459								X				X		X	X										
SS-17-071014	20.0	1503								X				X			X										
SS-18-071014	20.0	1506								X				X			X										
CCV	1.0	1510		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1514		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PBS	1.0	1517		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	
LCSS	1.0	1521		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	
SS-19-071014	1.0	1525		X	X	X	X	X	X		X	X	X		X				X	X	X	X	X	X	X	X	

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: OPTIMA3 Method: P

Start Date: 07/16/2014 End Date: 07/16/2014

OPTIMA3_140716B

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
SS-20-071014	1.0	1528		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-21-071014	1.0	1532		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-22-071014	1.0	1535		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-23-071014	1.0	1539		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-23-071014D	1.0	1543		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-23-071014S	1.0	1547			X	X	X	X	X		X	X	X		X				X		X	X		X	X	X	
SS-23-071014L	5.0	1550		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
CCV	1.0	1554		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1558		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	
SS-23-071014A	1.0	1601			X														X		X						
SS-24-071014	1.0	1605		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-FD-03-071014	1.0	1609		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-25-071014	1.0	1613		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-26-071014	1.0	1617		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-27-071014	1.0	1621		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-28-071014	1.0	1626		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-29-071014	1.0	1629		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
CCV	1.0	1633		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1637		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	
SS-30-071014	1.0	1641		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	
SS-31-071014	1.0	1645		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
SS-32-071014	1.0	1648		X	X	X	X	X	X		X	X	X		X	X			X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1652																										
SS-19-071014	20.0	1656								X						X	X											
SS-20-071014	20.0	1700								X							X											
SS-21-071014	20.0	1703								X							X											
SS-22-071014	20.0	1708								X							X											
CCV	1.0	1711		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1715		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	
SS-23-071014	20.0	1719								X							X											
SS-23-071014D	20.0	1722								X							X											

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1194

Instrument ID Number: OPTIMA3 Method: P

Start Date: 07/16/2014 End Date: 07/16/2014

OPTIMA3_140716B

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
SS-23-071014L	100.0	1726								X							X										
SS-24-071014	20.0	1730								X							X										
SS-FD-03-071014	20.0	1733								X							X										
SS-25-071014	20.0	1737								X							X										
SS-26-071014	20.0	1741								X							X										
SS-27-071014	20.0	1744								X							X										
CCV	1.0	1748								X							X										
CCB	1.0	1752								X							X										
SS-28-071014	20.0	1755								X							X										
SS-29-071014	20.0	1759								X							X										
ZZZZZZ	20.0	1803																									
SS-31-071014	20.0	1807								X							X										
SS-32-071014	20.0	1810								X							X										
CCV	1.0	1814								X							X										
CCB	1.0	1818								X							X										

Instrument Raw Data

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Reprocessing Begun
Logged In Analyst: mitOptima2 **Technique: ICP Continuous**

Results Data Set (original): A14071703
Results Library (original): C:\pe\optima2\Results\Results.mdb
Results Data Set (reprocessed): A14071703A
Results Library (reprocessed): C:\pe\optima2\Results\Results.mdb

==========

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: S0 **Date Collected: 7/17/2014 12:55:58 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:52 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	2603426.2	10242.87	0.39%	100.0	%
Lu 261.542	2422584.9	8310.78	0.34%	100.00	%
Al 308.215†	706.1	48.70	6.90%	[0.00]	mg/L
Co 228.616†	9.0	2.05	22.75%	[0.00]	mg/L
Cr 267.716†	125.8	83.18	66.11%	[0.00]	mg/L
Cu 324.752†	6360.5	171.10	2.69%	[0.00]	mg/L
Fe 273.955†	-4497.4	8.99	0.20%	[0.00]	mg/L
Mg 279.077†	-3939.5	104.73	2.66%	[0.00]	mg/L
Mn 257.610†	859.7	18.39	2.14%	[0.00]	mg/L
Ni 231.604†	-2047.4	15.70	0.77%	[0.00]	mg/L
Tl 190.801†	400.5	6.02	1.50%	[0.00]	mg/L
V 292.402†	6773.0	44.84	0.66%	[0.00]	mg/L
Ca 227.546†	552.7	7.83	1.42%	[0.00]	mg/L
Ti 334.940†	-5863.2	108.95	1.86%	[0.00]	mg/L

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Sequence No.: 2 **Autosampler Location: 9**
Sample ID: S1 **Date Collected: 7/17/2014 12:59:21 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:53 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	2454371.4	18177.82	0.74%	94.27	%
Lu 261.542	2305317.2	16389.79	0.71%	95.16	%
Al 308.215†	550841.7	2585.67	0.47%	[20]	mg/L
Co 228.616†	263682.8	1063.14	0.40%	[5]	mg/L
Cr 267.716†	628876.9	2680.79	0.43%	[2]	mg/L
Cu 324.752†	1006069.5	4722.86	0.47%	[2.5]	mg/L
Fe 273.955†	327965.7	1231.23	0.38%	[10]	mg/L
Mg 279.077†	2194401.8	9540.17	0.43%	[50]	mg/L
Mn 257.610†	3547944.9	13989.88	0.39%	[5]	mg/L
Ni 231.604†	398348.6	1582.06	0.40%	[5]	mg/L
Tl 190.801†	2598.0	68.62	2.64%	[1]	mg/L
V 292.402†	1317635.1	6711.18	0.51%	[5]	mg/L
Ca 227.546†	18995.1	230.83	1.22%	[50]	mg/L
Ti 334.940†	1204914.1	5624.92	0.47%	[1]	mg/L

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Sequence No.: 3 **Autosampler Location: 10**
Sample ID: S2 **Date Collected: 7/17/2014 1:01:57 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:53 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	2490487.1	59088.96	2.37%	95.66	%
Lu 261.542	2344708.6	55528.30	2.37%	96.79	%
Al 308.215†	275545.7	8506.14	3.09%	[10]	mg/L
Co 228.616†	133543.3	4147.94	3.11%	[2.5]	mg/L
Cr 267.716†	316189.8	10009.53	3.17%	[1]	mg/L
Cu 324.752†	499431.6	16393.68	3.28%	[1.25]	mg/L
Fe 273.955†	165299.7	5290.65	3.20%	[5]	mg/L
Mg 279.077†	1111875.7	34962.57	3.14%	[25]	mg/L
Mn 257.610†	1798064.5	56680.79	3.15%	[2.5]	mg/L
Ni 231.604†	201476.9	6601.42	3.28%	[2.5]	mg/L
Tl 190.801†	1334.8	54.96	4.12%	[0.5]	mg/L
V 292.402†	659501.7	21038.40	3.19%	[2.5]	mg/L
Ca 227.546†	9421.1	421.56	4.47%	[25]	mg/L
Ti 334.940†	604679.8	19242.56	3.18%	[0.5]	mg/L

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Sequence No.: 4 **Autosampler Location: 11**
Sample ID: S3 **Date Collected: 7/17/2014 1:05:22 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:54 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	2615782.9	15564.14	0.60%	100.5	%
Lu 261.542	2441296.6	13449.99	0.55%	100.8	%
Al 308.215†	5949.2	128.31	2.16%	[0.2]	mg/L
Co 228.616†	2727.2	35.72	1.31%	[0.05]	mg/L
Cr 267.716†	6444.1	129.92	2.02%	[0.02]	mg/L
Cu 324.752†	9674.5	74.87	0.77%	[0.025]	mg/L
Fe 273.955†	3501.7	60.40	1.72%	[0.1]	mg/L
Mg 279.077†	23253.0	304.43	1.31%	[0.5]	mg/L
Mn 257.610†	37631.5	451.80	1.20%	[0.05]	mg/L
Ni 231.604†	4065.1	48.23	1.19%	[0.05]	mg/L
Tl 190.801†	20.4	3.08	15.10%	[0.01]	mg/L
V 292.402†	13141.7	259.76	1.98%	[0.05]	mg/L
Ca 227.546†	162.9	16.23	9.96%	[0.5]	mg/L
Ti 334.940†	12534.4	163.57	1.30%	[0.01]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al 308.215	3	Lin Thru 0	0.0	27540	0.00000	1.000000	
Co 228.616	3	Lin Thru 0	0.0	52870	0.00000	0.999987	
Cr 267.716	3	Lin Thru 0	0.0	314800	0.00000	0.999998	
Cu 324.752	3	Lin Thru 0	0.0	401900	0.00000	0.999996	
Fe 273.955	3	Lin Thru 0	0.0	32850	0.00000	0.999995	
Mg 279.077	3	Lin Thru 0	0.0	44010	0.00000	0.999986	
Mn 257.610	3	Lin Thru 0	0.0	711500	0.00000	0.999985	
Ni 231.604	3	Lin Thru 0	0.0	79850	0.00000	0.999989	
Pb 220.353	3	Lin Thru 0	0.0	22440	0.00000	0.999999	
Sb 206.836	3	Lin Thru 0	0.0	3920	0.00000	0.999960	
Se 196.026	3	Lin Thru 0	0.0	2911	0.00000	0.999988	
Tl 190.801	3	Lin Thru 0	0.0	2612	0.00000	0.999938	
V 292.402	3	Lin Thru 0	0.0	263600	0.00000	1.000000	
Ca 227.546	3	Lin Thru 0	0.0	379.3	0.00000	0.999994	
Ti 334.940	3	Lin Thru 0	0.0	1206000	0.00000	0.999999	

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Sequence No.: 5 **Autosampler Location: 3**
Sample ID: ICV **Date Collected: 7/17/2014 1:08:46 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:54 PM**

Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2494499.8	95.82	%	0.456				0.48%
Lu 261.542	2347581.3	96.90	%	0.480				0.50%
Al 308.215†	282253.2	10.223	mg/L	0.0255	10.223	mg/L	0.0255	0.25%
QC value within limits for Al 308.215 Recovery = 102.23%								
Co 228.616†	129751.5	2.4527	mg/L	0.00649	2.4527	mg/L	0.00649	0.26%
QC value within limits for Co 228.616 Recovery = 98.11%								
Cr 267.716†	310979.4	0.98734	mg/L	0.002613	0.98734	mg/L	0.002613	0.26%
QC value within limits for Cr 267.716 Recovery = 98.73%								
Cu 324.752†	501812.8	1.2496	mg/L	0.00345	1.2496	mg/L	0.00345	0.28%
QC value within limits for Cu 324.752 Recovery = 99.97%								
Fe 273.955†	164921.4	5.1258	mg/L	0.01972	5.1258	mg/L	0.01972	0.38%
QC value within limits for Fe 273.955 Recovery = 102.52%								
Mg 279.077†	1117546.2	25.394	mg/L	0.0752	25.394	mg/L	0.0752	0.30%
QC value within limits for Mg 279.077 Recovery = 101.58%								
Mn 257.610†	1780241.3	2.5010	mg/L	0.00627	2.5010	mg/L	0.00627	0.25%
QC value within limits for Mn 257.610 Recovery = 100.04%								
Ni 231.604†	201533.6	2.5238	mg/L	0.00402	2.5238	mg/L	0.00402	0.16%
QC value within limits for Ni 231.604 Recovery = 100.95%								
Tl 190.801†	1327.6	0.48506	mg/L	0.007721	0.48506	mg/L	0.007721	1.59%
QC value within limits for Tl 190.801 Recovery = 97.01%								
V 292.402†	661474.6	2.5091	mg/L	0.00720	2.5091	mg/L	0.00720	0.29%
QC value within limits for V 292.402 Recovery = 100.36%								
Ca 227.546†	9230.7	23.958	mg/L	0.2414	23.958	mg/L	0.2414	1.01%
QC value within limits for Ca 227.546 Recovery = 95.83%								
Ti 334.940†	596838.7	0.49398	mg/L	0.001099	0.49398	mg/L	0.001099	0.22%
QC value within limits for Ti 334.940 Recovery = 98.80%								

All analyte(s) passed QC.

Sequence No.: 6 **Autosampler Location: 4**
Sample ID: ICB **Date Collected: 7/17/2014 1:12:14 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:55 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2610822.6	100.3	%	0.81				0.81%
Lu 261.542	2428859.1	100.3	%	0.89				0.89%
Al 308.215†	217.2	0.00789	mg/L	0.002504	0.00789	mg/L	0.002504	31.75%
QC value within limits for Al 308.215 Recovery = Not calculated								
Co 228.616†	27.8	0.00053	mg/L	0.000272	0.00053	mg/L	0.000272	51.65%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	56.8	0.00018	mg/L	0.000237	0.00018	mg/L	0.000237	131.59%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-39.5	-0.00010	mg/L	0.000406	-0.00010	mg/L	0.000406	413.68%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	99.3	0.00303	mg/L	0.000787	0.00303	mg/L	0.000787	25.97%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	246.8	0.00561	mg/L	0.004342	0.00561	mg/L	0.004342	77.40%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	358.2	0.00050	mg/L	0.000174	0.00050	mg/L	0.000174	34.61%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	24.4	0.00030	mg/L	0.000455	0.00030	mg/L	0.000455	149.49%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Tl 190.801†	5.5	0.00209	mg/L	0.000701	0.00209	mg/L	0.000701	33.61%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	58.1	0.00022	mg/L	0.000607	0.00022	mg/L	0.000607	275.35%
QC value within limits for V 292.402 Recovery = Not calculated								
Ca 227.546†	-11.5	-0.03037	mg/L	0.062239	-0.03037	mg/L	0.062239	204.96%

QC value within limits for Ca 227.546 Recovery = Not calculated

Ti 334.940†	419.2	0.00035	mg/L	0.000145	0.00035	mg/L	0.000145 41.98%

QC value within limits for Ti 334.940 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 7 **Autosampler Location: 2**
Sample ID: LLICV **Date Collected: 7/17/2014 1:15:40 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:56 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LLICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2627082.8	100.9	%	0.10				0.10%
Lu 261.542	2453022.4	101.3	%	0.07				0.06%
Al 308.215†	5596.1	0.20267	mg/L	0.004000	0.20267	mg/L	0.004000	1.97%
QC value within limits for Al 308.215 Recovery = 101.33%								
Co 228.616†	2574.5	0.04865	mg/L	0.000155	0.04865	mg/L	0.000155	0.32%
QC value within limits for Co 228.616 Recovery = 97.29%								
Cr 267.716†	6157.5	0.01955	mg/L	0.000257	0.01955	mg/L	0.000257	1.32%
QC value within limits for Cr 267.716 Recovery = 97.74%								
Cu 324.752†	11411.3	0.02842	mg/L	0.000114	0.02842	mg/L	0.000114	0.40%
QC value within limits for Cu 324.752 Recovery = 94.74%								
Fe 273.955†	6529.3	0.20078	mg/L	0.000634	0.20078	mg/L	0.000634	0.32%
QC value within limits for Fe 273.955 Recovery = 100.39%								
Mg 279.077†	21909.6	0.49790	mg/L	0.001799	0.49790	mg/L	0.001799	0.36%
QC value within limits for Mg 279.077 Recovery = 99.58%								
Mn 257.610†	36140.8	0.05077	mg/L	0.000030	0.05077	mg/L	0.000030	0.06%
QC value within limits for Mn 257.610 Recovery = 101.55%								
Ni 231.604†	3982.9	0.04987	mg/L	0.000033	0.04987	mg/L	0.000033	0.07%
QC value within limits for Ni 231.604 Recovery = 99.74%								
Tl 190.801†	52.3	0.01949	mg/L	0.000247	0.01949	mg/L	0.000247	1.27%
QC value within limits for Tl 190.801 Recovery = 97.46%								
V 292.402†	12689.0	0.04812	mg/L	0.000374	0.04812	mg/L	0.000374	0.78%
QC value within limits for V 292.402 Recovery = 96.25%								
Ca 227.546†	262.5	0.68512	mg/L	0.019966	0.68512	mg/L	0.019966	2.91%
QC value within limits for Ca 227.546 Recovery = 85.64%								
Ti 334.940†	23396.8	0.01938	mg/L	0.000134	0.01938	mg/L	0.000134	0.69%
QC value within limits for Ti 334.940 Recovery = 96.92%								

All analyte(s) passed QC.

Sequence No.: 8 **Autosampler Location: 5**
Sample ID: ICSA **Date Collected: 7/17/2014 1:19:06 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:56 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2303242.4	88.47	%	0.528				0.60%
Lu 261.542	2155133.7	88.96	%	0.483				0.54%
Al 308.215†	14149571.4	513.56	mg/L	3.656	513.56	mg/L	3.656	0.71%
QC value within limits for Al 308.215 Recovery = 102.71%								
Co 228.616†	245.3	0.00466	mg/L	0.001883	0.00466	mg/L	0.001883	40.44%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-272.5	-0.00086	mg/L	0.000369	-0.00086	mg/L	0.000369	42.66%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-10184.3	-0.01081	mg/L	0.000236	-0.01081	mg/L	0.000236	2.18%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	6269901.8	190.75	mg/L	0.457	190.75	mg/L	0.457	0.24%
QC value within limits for Fe 273.955 Recovery = 95.37%								
Mg 279.077†	21802326.2	495.51	mg/L	3.731	495.51	mg/L	3.731	0.75%
QC value within limits for Mg 279.077 Recovery = 99.10%								

Mn 257.610† -7051.2 -0.02935 mg/L 0.000146 -0.02935 mg/L 0.000146 0.50%
QC value within limits for Mn 257.610 Recovery = Not calculated
Ni 231.604† -36.4 -0.00054 mg/L 0.000381 -0.00054 mg/L 0.000381 70.72%
QC value within limits for Ni 231.604 Recovery = Not calculated
Tl 190.801† 654.2 0.00989 mg/L 0.004683 0.00989 mg/L 0.004683 47.36%
QC value within limits for Tl 190.801 Recovery = Not calculated
V 292.402† -2964.3 -0.00742 mg/L 0.000416 -0.00742 mg/L 0.000416 5.60%
QC value within limits for V 292.402 Recovery = Not calculated
Ca 227.546† 200580.4 529.79 mg/L 1.079 529.79 mg/L 1.079 0.20%
QC value within limits for Ca 227.546 Recovery = 105.96%
Ti 334.940† -9538.5 -0.02139 mg/L 0.000285 -0.02139 mg/L 0.000285 1.33%
QC value within limits for Ti 334.940 Recovery = Not calculated
All analyte(s) passed QC.

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Sequence No.: 9 **Autosampler Location: 6**
Sample ID: ICSAB **Date Collected: 7/17/2014 1:21:57 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:57 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2259029.0	86.77	%	0.768				0.88%
Lu 261.542	2114014.4	87.26	%	0.786				0.90%
Al 308.215†	14371781.7	521.63	mg/L	5.341	521.63	mg/L	5.341	1.02%
QC value within limits for Al 308.215 Recovery = 104.33%								
Co 228.616†	25619.1	0.48444	mg/L	0.003289	0.48444	mg/L	0.003289	0.68%
QC value within limits for Co 228.616 Recovery = 96.89%								
Cr 267.716†	158955.5	0.50484	mg/L	0.005583	0.50484	mg/L	0.005583	1.11%
QC value within limits for Cr 267.716 Recovery = 100.97%								
Cu 324.752†	211299.6	0.54065	mg/L	0.007036	0.54065	mg/L	0.007036	1.30%
QC value within limits for Cu 324.752 Recovery = 108.13%								
Fe 273.955†	6339331.9	192.88	mg/L	2.169	192.88	mg/L	2.169	1.12%
QC value within limits for Fe 273.955 Recovery = 96.44%								
Mg 279.077†	22069776.8	501.59	mg/L	5.161	501.59	mg/L	5.161	1.03%
QC value within limits for Mg 279.077 Recovery = 100.32%								
Mn 257.610†	360822.6	0.48743	mg/L	0.005476	0.48743	mg/L	0.005476	1.12%
QC value within limits for Mn 257.610 Recovery = 97.49%								
Ni 231.604†	77460.9	0.97002	mg/L	0.010095	0.97002	mg/L	0.010095	1.04%
QC value within limits for Ni 231.604 Recovery = 97.00%								
Tl 190.801†	906.7	0.10006	mg/L	0.003570	0.10006	mg/L	0.003570	3.57%
QC value within limits for Tl 190.801 Recovery = 100.06%								
V 292.402†	132845.3	0.50788	mg/L	0.006163	0.50788	mg/L	0.006163	1.21%
QC value within limits for V 292.402 Recovery = 101.58%								
Ca 227.546†	202345.8	534.37	mg/L	7.267	534.37	mg/L	7.267	1.36%
QC value within limits for Ca 227.546 Recovery = 106.87%								
Ti 334.940†	-9539.9	-0.02168	mg/L	0.000204	-0.02168	mg/L	0.000204	0.94%
QC value within limits for Ti 334.940 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 10 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/17/2014 1:24:50 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:57 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2531829.9	97.25	%	0.135				0.14%
Lu 261.542	2382141.0	98.33	%	0.128				0.13%
Al 308.215†	291000.9	10.541	mg/L	0.4863	10.541	mg/L	0.4863	4.61%
QC value within limits for Al 308.215 Recovery = 105.41%								
Co 228.616†	126839.5	2.3977	mg/L	0.01361	2.3977	mg/L	0.01361	0.57%

QC value within limits for Co 228.616 Recovery = 95.91%

Cr 267.716†	304747.2	0.96755 mg/L	0.005382	0.96755 mg/L	0.005382	0.56%

QC value within limits for Cr 267.716 Recovery = 96.76%

Cu 324.752†	490828.2	1.2223 mg/L	0.00798	1.2223 mg/L	0.00798	0.65%

QC value within limits for Cu 324.752 Recovery = 97.78%

Fe 273.955†	169299.7	5.2567 mg/L	0.19475	5.2567 mg/L	0.19475	3.70%

QC value within limits for Fe 273.955 Recovery = 105.13%

Mg 279.077†	1118517.1	25.417 mg/L	0.4014	25.417 mg/L	0.4014	1.58%

QC value within limits for Mg 279.077 Recovery = 101.67%

Mn 257.610†	1745687.8	2.4525 mg/L	0.01398	2.4525 mg/L	0.01398	0.57%

QC value within limits for Mn 257.610 Recovery = 98.10%

Ni 231.604†	197576.4	2.4743 mg/L	0.01498	2.4743 mg/L	0.01498	0.61%

QC value within limits for Ni 231.604 Recovery = 98.97%

Tl 190.801†	1302.7	0.47576 mg/L	0.001806	0.47576 mg/L	0.001806	0.38%

QC value within limits for Tl 190.801 Recovery = 95.15%

V 292.402†	647654.4	2.4567 mg/L	0.01226	2.4567 mg/L	0.01226	0.50%

QC value within limits for V 292.402 Recovery = 98.27%

Ca 227.546†	9231.5	23.970 mg/L	0.2572	23.970 mg/L	0.2572	1.07%

QC value within limits for Ca 227.546 Recovery = 95.88%

Ti 334.940†	584865.4	0.48405 mg/L	0.002803	0.48405 mg/L	0.002803	0.58%

QC value within limits for Ti 334.940 Recovery = 96.81%

All analyte(s) passed QC.

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Sequence No.: 11 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/17/2014 1:28:18 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:58 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2600717.7	99.90	%	0.759				0.76%
Lu 261.542	2421045.7	99.94	%	0.735				0.74%
Al 308.215†	1019.4	0.03699	mg/L	0.003481	0.03699	mg/L	0.003481	9.41%
QC value within limits for Al 308.215 Recovery = Not calculated								
Co 228.616†	29.9	0.00056	mg/L	0.000306	0.00056	mg/L	0.000306	54.15%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	9.3	0.00003	mg/L	0.000079	0.00003	mg/L	0.000079	268.05%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-66.6	-0.00016	mg/L	0.000169	-0.00016	mg/L	0.000169	102.83%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	552.7	0.01683	mg/L	0.001031	0.01683	mg/L	0.001031	6.13%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	1569.4	0.03567	mg/L	0.005145	0.03567	mg/L	0.005145	14.42%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	387.2	0.00054	mg/L	0.000149	0.00054	mg/L	0.000149	27.52%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	8.9	0.00011	mg/L	0.000091	0.00011	mg/L	0.000091	81.64%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Tl 190.801†	4.2	0.00157	mg/L	0.003983	0.00157	mg/L	0.003983	253.55%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	75.3	0.00029	mg/L	0.000978	0.00029	mg/L	0.000978	342.28%
QC value within limits for V 292.402 Recovery = Not calculated								
Ca 227.546†	24.4	0.06445	mg/L	0.021676	0.06445	mg/L	0.021676	33.63%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Ti 334.940†	203.0	0.00017	mg/L	0.000066	0.00017	mg/L	0.000066	39.26%
QC value within limits for Ti 334.940 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 12 **Autosampler Location: 40**
Sample ID: MB-78114~PBS **Date Collected: 7/17/2014 1:31:44 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:58 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: MB-78114~PBS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	2646110.1	101.6	%	0.51				0.50%
Lu 261.542	2485113.9	102.6	%	0.47				0.46%
Al 308.215†	791.2	0.02870	mg/L	0.017870	0.02870	mg/L	0.017870	62.26%
Co 228.616†	352.4	0.00666	mg/L	0.009236	0.00666	mg/L	0.009236	138.64%
Cr 267.716†	495.6	0.00157	mg/L	0.001889	0.00157	mg/L	0.001889	120.33%
Cu 324.752†	140.0	0.00035	mg/L	0.001997	0.00035	mg/L	0.001997	568.52%
Fe 273.955†	1070.4	0.03265	mg/L	0.020496	0.03265	mg/L	0.020496	62.77%
Mg 279.077†	1784.6	0.04056	mg/L	0.042472	0.04056	mg/L	0.042472	104.71%
Mn 257.610†	4844.6	0.00681	mg/L	0.009114	0.00681	mg/L	0.009114	133.89%
Ni 231.604†	505.2	0.00633	mg/L	0.009157	0.00633	mg/L	0.009157	144.72%
Tl 190.801†	3.7	0.00135	mg/L	0.001236	0.00135	mg/L	0.001236	91.27%
V 292.402†	420.7	0.00160	mg/L	0.003903	0.00160	mg/L	0.003903	244.59%
Ca 227.546†	10.0	0.02556	mg/L	0.080328	0.02556	mg/L	0.080328	314.21%
Ti 334.940†	1245.9	0.00103	mg/L	0.000685	0.00103	mg/L	0.000685	66.40%

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Sequence No.: 13 **Autosampler Location: 41**
Sample ID: LCS-78114~LCS **Date Collected: 7/17/2014 1:35:06 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:59 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LCS-78114~LCS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	2553299.4	98.07	%	0.164				0.17%
Lu 261.542	2407390.0	99.37	%	0.164				0.17%
Al 308.215†	245226.8	8.8813	mg/L	0.03186	8.8813	mg/L	0.03186	0.36%
Co 228.616†	118998.6	2.2504	mg/L	0.01011	2.2504	mg/L	0.01011	0.45%
Cr 267.716†	288037.2	0.91449	mg/L	0.003815	0.91449	mg/L	0.003815	0.42%
Cu 324.752†	453232.5	1.1287	mg/L	0.00409	1.1287	mg/L	0.00409	0.36%
Fe 273.955†	152870.0	4.7476	mg/L	0.02342	4.7476	mg/L	0.02342	0.49%
Mg 279.077†	992481.0	22.553	mg/L	0.0667	22.553	mg/L	0.0667	0.30%
Mn 257.610†	1619815.6	2.2757	mg/L	0.00976	2.2757	mg/L	0.00976	0.43%
Ni 231.604†	179636.0	2.2499	mg/L	0.00764	2.2499	mg/L	0.00764	0.34%
Tl 190.801†	1198.4	0.43962	mg/L	0.004933	0.43962	mg/L	0.004933	1.12%
V 292.402†	589523.7	2.2365	mg/L	0.00757	2.2365	mg/L	0.00757	0.34%
Ca 227.546†	8312.0	21.569	mg/L	0.0408	21.569	mg/L	0.0408	0.19%
Ti 334.940†	1398.2	0.00027	mg/L	0.000093	0.00027	mg/L	0.000093	34.03%

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Sequence No.: 14 **Autosampler Location: 42**
Sample ID: N1195-02B~PILE 3 COMPOSI **Date Collected: 7/17/2014 1:38:31 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:05:59 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1195-02B~PILE 3 COMPOSI

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	2617239.4	100.5	%	0.18				0.17%
Lu 261.542	2255546.0	93.10	%	0.147				0.16%
Al 308.215†	3032020.4	109.99	mg/L	0.535	109.99	mg/L	0.535	0.49%
Co 228.616†	6958.5	0.12905	mg/L	0.000373	0.12905	mg/L	0.000373	0.29%
Cr 267.716†	53065.1	0.16548	mg/L	0.000763	0.16548	mg/L	0.000763	0.46%
Cu 324.752†	86503.3	0.23713	mg/L	0.001302	0.23713	mg/L	0.001302	0.55%
Fe 273.955†	9408408.0	286.39	mg/L	0.807	286.39	mg/L	0.807	0.28%
Mg 279.077†	7397746.4	168.21	mg/L	0.416	168.21	mg/L	0.416	0.25%
Mn 257.610†	2849967.6	3.9989	mg/L	0.01864	3.9989	mg/L	0.01864	0.47%
Ni 231.604†	24206.5	0.30225	mg/L	0.001714	0.30225	mg/L	0.001714	0.57%
Tl 190.801†	376.7	0.01764	mg/L	0.017747	0.01764	mg/L	0.017747	100.62%
V 292.402†	62322.1	0.24128	mg/L	0.001210	0.24128	mg/L	0.001210	0.50%
Ca 227.546†	178663.7	472.51	mg/L	2.047	472.51	mg/L	2.047	0.43%

Ti 334.940†	1517073.6	1.2572	mg/L	0.00677	1.2572	mg/L	0.00677	0.54%

Sequence No.: 15 **Autosampler Location: 43**
Sample ID: N1194-09A~SS-19-071 20X **Date Collected: 7/17/2014 1:41:12 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:00 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-09A~SS-19-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2515248.9	96.61	%	0.894				0.93%
Lu 261.542	2336341.3	96.44	%	0.900				0.93%
Al 308.215†	275385.8	9.9624	mg/L	0.04702	9.9624	mg/L	0.04702	0.47%
Co 228.616†	639.5	0.01158	mg/L	0.000115	0.01158	mg/L	0.000115	0.99%
Cr 267.716†	22180.9	0.06642	mg/L	0.000485	0.06642	mg/L	0.000485	0.73%
Cu 324.752†	70582.6	0.18627	mg/L	0.001041	0.18627	mg/L	0.001041	0.56%
Fe 273.955†	4580537.6	139.44	mg/L	0.810	139.44	mg/L	0.810	0.58%
Mg 279.077†	1255460.0	28.579	mg/L	0.1864	28.579	mg/L	0.1864	0.65%
Mn 257.610†	3570208.2	5.0166	mg/L	0.02662	5.0166	mg/L	0.02662	0.53%
Ni 231.604†	4815.3	0.06011	mg/L	0.000375	0.06011	mg/L	0.000375	0.62%
Tl 190.801†	150.0	0.01223	mg/L	0.001588	0.01223	mg/L	0.001588	12.98%
V 292.402†	4725.4	0.02051	mg/L	0.000583	0.02051	mg/L	0.000583	2.84%
Ca 227.546†	84239.0	222.86	mg/L	1.030	222.86	mg/L	1.030	0.46%
Ti 334.940†	304609.5	0.25425	mg/L	0.001535	0.25425	mg/L	0.001535	0.60%

Sequence No.: 16 **Autosampler Location: 44**
Sample ID: N1194-10A~SS-20-071 20X **Date Collected: 7/17/2014 1:44:44 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:01 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-10A~SS-20-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2550387.3	97.96	%	0.901				0.92%
Lu 261.542	2392945.6	98.78	%	0.588				0.59%
Al 308.215†	410919.4	14.903	mg/L	0.2470	14.903	mg/L	0.2470	1.66%
Co 228.616†	724.6	0.01277	mg/L	0.000194	0.01277	mg/L	0.000194	1.52%
Cr 267.716†	83841.3	0.26241	mg/L	0.004579	0.26241	mg/L	0.004579	1.75%
Cu 324.752†	52266.7	0.14639	mg/L	0.002457	0.14639	mg/L	0.002457	1.68%
Fe 273.955†	7024845.4	213.85	mg/L	0.817	213.85	mg/L	0.817	0.38%
Mg 279.077†	742245.5	16.943	mg/L	0.2614	16.943	mg/L	0.2614	1.54%
Mn 257.610†	3479017.6	4.8889	mg/L	0.01639	4.8889	mg/L	0.01639	0.34%
Ni 231.604†	12008.0	0.15004	mg/L	0.000526	0.15004	mg/L	0.000526	0.35%
Tl 190.801†	180.4	0.02190	mg/L	0.003384	0.02190	mg/L	0.003384	15.45%
V 292.402†	8201.1	0.03516	mg/L	0.000870	0.03516	mg/L	0.000870	2.47%
Ca 227.546†	34863.2	93.049	mg/L	0.9158	93.049	mg/L	0.9158	0.98%
Ti 334.940†	552217.3	0.45839	mg/L	0.007633	0.45839	mg/L	0.007633	1.67%

Sequence No.: 17 **Autosampler Location: 45**
Sample ID: N1194-12A~SS-21-071 20X **Date Collected: 7/17/2014 1:47:26 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:01 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-12A~SS-21-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2565144.7	98.53	%	0.916				0.93%
Lu 261.542	2394374.6	98.84	%	0.896				0.91%
Al 308.215†	210515.3	7.6355	mg/L	0.08489	7.6355	mg/L	0.08489	1.11%

Co 228.616†	784.0	0.01421 mg/L	0.000157	0.01421 mg/L	0.000157	1.11%
Cr 267.716†	222684.3	0.70353 mg/L	0.008696	0.70353 mg/L	0.008696	1.24%
Cu 324.752†	131150.9	0.34120 mg/L	0.004069	0.34120 mg/L	0.004069	1.19%
Fe 273.955†	6356662.5	193.51 mg/L	1.129	193.51 mg/L	1.129	0.58%
Mg 279.077†	414599.3	9.4885 mg/L	0.10990	9.4885 mg/L	0.10990	1.16%
Mn 257.610†	3426140.9	4.8149 mg/L	0.02856	4.8149 mg/L	0.02856	0.59%
Ni 231.604†	7594.9	0.09489 mg/L	0.000601	0.09489 mg/L	0.000601	0.63%
Tl 190.801†	145.9	0.01903 mg/L	0.004594	0.01903 mg/L	0.004594	24.14%
V 292.402†	4503.5	0.02100 mg/L	0.000537	0.02100 mg/L	0.000537	2.56%
Ca 227.546†	15865.2	42.856 mg/L	0.3884	42.856 mg/L	0.3884	0.91%
Ti 334.940†	365661.9	0.30327 mg/L	0.003413	0.30327 mg/L	0.003413	1.13%

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Sequence No.: 18 **Autosampler Location: 46**
Sample ID: N1194-13A~SS-22-071 20X **Date Collected: 7/17/2014 1:50:59 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:02 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-13A~SS-22-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2540036.0	97.57	%	0.285				0.29%
Lu 261.542	2393764.7	98.81	%	0.598				0.61%
Al 308.215†	157447.0	5.7094	mg/L	0.07398	5.7094	mg/L	0.07398	1.30%
Co 228.616†	694.6	0.01264	mg/L	0.000321	0.01264	mg/L	0.000321	2.54%
Cr 267.716†	33190.7	0.10243	mg/L	0.001454	0.10243	mg/L	0.001454	1.42%
Cu 324.752†	140358.9	0.36475	mg/L	0.005396	0.36475	mg/L	0.005396	1.48%
Fe 273.955†	6667110.2	202.96	mg/L	1.916	202.96	mg/L	1.916	0.94%
Mg 279.077†	323362.8	7.4203	mg/L	0.09997	7.4203	mg/L	0.09997	1.35%
Mn 257.610†	2657609.9	3.7348	mg/L	0.05189	3.7348	mg/L	0.05189	1.39%
Ni 231.604†	5274.1	0.06587	mg/L	0.000381	0.06587	mg/L	0.000381	0.58%
Tl 190.801†	134.3	0.01450	mg/L	0.002850	0.01450	mg/L	0.002850	19.65%
V 292.402†	5530.7	0.02480	mg/L	0.000608	0.02480	mg/L	0.000608	2.45%
Ca 227.546†	14918.4	40.393	mg/L	0.4168	40.393	mg/L	0.4168	1.03%
Ti 334.940†	292363.7	0.24263	mg/L	0.003245	0.24263	mg/L	0.003245	1.34%

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Sequence No.: 19 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/17/2014 1:54:42 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:02 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2511061.7	96.45	%	0.748				0.78%
Lu 261.542	2361135.0	97.46	%	0.724				0.74%
Al 308.215†	280874.9	10.173	mg/L	0.0127	10.173	mg/L	0.0127	0.12%
QC value within limits for Al 308.215 Recovery = 101.73%								
Co 228.616†	128486.3	2.4288	mg/L	0.00703	2.4288	mg/L	0.00703	0.29%
QC value within limits for Co 228.616 Recovery = 97.15%								
Cr 267.716†	309025.8	0.98113	mg/L	0.002347	0.98113	mg/L	0.002347	0.24%
QC value within limits for Cr 267.716 Recovery = 98.11%								
Cu 324.752†	498732.3	1.2420	mg/L	0.00372	1.2420	mg/L	0.00372	0.30%
QC value within limits for Cu 324.752 Recovery = 99.36%								
Fe 273.955†	167455.8	5.2019	mg/L	0.01546	5.2019	mg/L	0.01546	0.30%
QC value within limits for Fe 273.955 Recovery = 104.04%								
Mg 279.077†	1109466.3	25.211	mg/L	0.0721	25.211	mg/L	0.0721	0.29%
QC value within limits for Mg 279.077 Recovery = 100.84%								
Mn 257.610†	1778189.5	2.4982	mg/L	0.00548	2.4982	mg/L	0.00548	0.22%
QC value within limits for Mn 257.610 Recovery = 99.93%								
Ni 231.604†	200418.0	2.5098	mg/L	0.00611	2.5098	mg/L	0.00611	0.24%
QC value within limits for Ni 231.604 Recovery = 100.39%								
Tl 190.801†	1312.6	0.47948	mg/L	0.001645	0.47948	mg/L	0.001645	0.34%
QC value within limits for Tl 190.801 Recovery = 95.90%								

V 292.402† 655012.6 2.4846 mg/L 0.00735 2.4846 mg/L 0.00735 0.30%
QC value within limits for V 292.402 Recovery = 99.38%
Ca 227.546† 9235.0 23.974 mg/L 0.2324 23.974 mg/L 0.2324 0.97%
QC value within limits for Ca 227.546 Recovery = 95.90%
Ti 334.940† 594151.1 0.49176 mg/L 0.000979 0.49176 mg/L 0.000979 0.20%
QC value within limits for Ti 334.940 Recovery = 98.35%
All analyte(s) passed QC.

Sequence No.: 20 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/17/2014 1:58:09 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:03 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2572104.2	98.80	%	0.460				0.47%
Lu 261.542	2392871.3	98.77	%	0.507				0.51%
Al 308.215†	389.8	0.01414	mg/L	0.003710	0.01414	mg/L	0.003710	26.23%
QC value within limits for Al 308.215 Recovery = Not calculated								
Co 228.616†	19.7	0.00037	mg/L	0.000367	0.00037	mg/L	0.000367	98.58%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	128.9	0.00041	mg/L	0.000208	0.00041	mg/L	0.000208	50.91%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-255.9	-0.00063	mg/L	0.000163	-0.00063	mg/L	0.000163	25.80%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	1361.5	0.04144	mg/L	0.002398	0.04144	mg/L	0.002398	5.79%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	601.9	0.01369	mg/L	0.002556	0.01369	mg/L	0.002556	18.67%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	912.1	0.00128	mg/L	0.000162	0.00128	mg/L	0.000162	12.62%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	-35.8	-0.00045	mg/L	0.000350	-0.00045	mg/L	0.000350	77.59%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Tl 190.801†	12.3	0.00468	mg/L	0.001080	0.00468	mg/L	0.001080	23.09%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-16.5	-0.00006	mg/L	0.000062	-0.00006	mg/L	0.000062	100.71%
QC value within limits for V 292.402 Recovery = Not calculated								
Ca 227.546†	20.7	0.05482	mg/L	0.047698	0.05482	mg/L	0.047698	87.00%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Ti 334.940†	207.5	0.00017	mg/L	0.000094	0.00017	mg/L	0.000094	55.15%
QC value within limits for Ti 334.940 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 21 **Autosampler Location: 47**
Sample ID: N1194-14A~SS-23-071 20X **Date Collected: 7/17/2014 2:01:35 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:03 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-14A~SS-23-071 20X

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2587652.8	99.39	%	0.505				0.51%
Lu 261.542	2415055.3	99.69	%	0.467				0.47%
Al 308.215†	161686.1	5.8633	mg/L	0.04072	5.8633	mg/L	0.04072	0.69%
Co 228.616†	638.7	0.01155	mg/L	0.000199	0.01155	mg/L	0.000199	1.72%
Cr 267.716†	51429.0	0.16023	mg/L	0.001360	0.16023	mg/L	0.001360	0.85%
Cu 324.752†	123238.8	0.31939	mg/L	0.002797	0.31939	mg/L	0.002797	0.88%
Fe 273.955†	5472894.3	166.61	mg/L	0.973	166.61	mg/L	0.973	0.58%
Mg 279.077†	338111.4	7.7424	mg/L	0.05569	7.7424	mg/L	0.05569	0.72%
Mn 257.610†	2774969.9	3.8998	mg/L	0.02226	3.8998	mg/L	0.02226	0.57%
Ni 231.604†	9376.8	0.11724	mg/L	0.000888	0.11724	mg/L	0.000888	0.76%
Tl 190.801†	120.4	0.01454	mg/L	0.000767	0.01454	mg/L	0.000767	5.28%

V 292.402†	4107.1	0.01871	mg/L	0.000368	0.01871	mg/L	0.000368	1.97%
Ca 227.546†	14834.4	39.991	mg/L	0.3140	39.991	mg/L	0.3140	0.79%
Ti 334.940†	309773.8	0.25705	mg/L	0.001877	0.25705	mg/L	0.001877	0.73%

Sequence No.: 22 **Autosampler Location: 48**
Sample ID: N1194-14ADUP~SS-2 20X **Date Collected: 7/17/2014 2:05:08 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:04 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-14ADUP~SS-2 20X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2573637.4	98.86	%	0.516				0.52%
Lu 261.542	2398406.3	99.00	%	0.523				0.53%
Al 308.215†	218863.4	7.9383	mg/L	0.02116	7.9383	mg/L	0.02116	0.27%
Co 228.616†	795.9	0.01443	mg/L	0.000290	0.01443	mg/L	0.000290	2.01%
Cr 267.716†	37994.4	0.11710	mg/L	0.000394	0.11710	mg/L	0.000394	0.34%
Cu 324.752†	123069.7	0.31932	mg/L	0.000776	0.31932	mg/L	0.000776	0.24%
Fe 273.955†	5627609.5	171.31	mg/L	0.291	171.31	mg/L	0.291	0.17%
Mg 279.077†	439522.7	10.049	mg/L	0.0273	10.049	mg/L	0.0273	0.27%
Mn 257.610†	3179988.4	4.4689	mg/L	0.00740	4.4689	mg/L	0.00740	0.17%
Ni 231.604†	17072.6	0.21358	mg/L	0.001325	0.21358	mg/L	0.001325	0.62%
Tl 190.801†	136.8	0.01893	mg/L	0.003045	0.01893	mg/L	0.003045	16.09%
V 292.402†	4242.7	0.01927	mg/L	0.000720	0.01927	mg/L	0.000720	3.74%
Ca 227.546†	16470.8	44.336	mg/L	0.3728	44.336	mg/L	0.3728	0.84%
Ti 334.940†	357162.8	0.29632	mg/L	0.001087	0.29632	mg/L	0.001087	0.37%

Sequence No.: 23 **Autosampler Location: 49**
Sample ID: N1194-14ASD~SS-23- 20X **Date Collected: 7/17/2014 2:08:41 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:04 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-14ASD~SS-23- 20X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2630186.5	101.0	%	0.63				0.62%
Lu 261.542	2457639.8	101.4	%	0.65				0.64%
Al 308.215†	31270.4	1.1340	mg/L	0.00591	1.1340	mg/L	0.00591	0.52%
Co 228.616†	120.5	0.00218	mg/L	0.000250	0.00218	mg/L	0.000250	11.45%
Cr 267.716†	9897.4	0.03083	mg/L	0.000305	0.03083	mg/L	0.000305	0.99%
Cu 324.752†	23153.9	0.06009	mg/L	0.000377	0.06009	mg/L	0.000377	0.63%
Fe 273.955†	1062840.4	32.355	mg/L	0.1137	32.355	mg/L	0.1137	0.35%
Mg 279.077†	66682.2	1.5268	mg/L	0.00293	1.5268	mg/L	0.00293	0.19%
Mn 257.610†	540778.8	0.75997	mg/L	0.002099	0.75997	mg/L	0.002099	0.28%
Ni 231.604†	1850.6	0.02314	mg/L	0.000233	0.02314	mg/L	0.000233	1.01%
Tl 190.801†	17.5	0.00060	mg/L	0.002392	0.00060	mg/L	0.002392	396.47%
V 292.402†	325.0	0.00184	mg/L	0.000396	0.00184	mg/L	0.000396	21.50%
Ca 227.546†	2840.8	7.6608	mg/L	0.06746	7.6608	mg/L	0.06746	0.88%
Ti 334.940†	57551.0	0.04775	mg/L	0.000302	0.04775	mg/L	0.000302	0.63%

Sequence No.: 24 **Autosampler Location: 50**
Sample ID: N1194-15A~SS-24-071 20X **Date Collected: 7/17/2014 2:12:08 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:05 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-15A~SS-24-071 20X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2619645.3	100.6	%	0.49				0.48%

Lu 261.542	2437161.9	100.6	%	0.47			0.46%
Al 308.215†	227779.6	8.2624	mg/L	0.09929	8.2624	mg/L	0.09929	1.20%
Co 228.616†	505.0	0.00903	mg/L	0.000139	0.00903	mg/L	0.000139	1.54%
Cr 267.716†	21105.7	0.06456	mg/L	0.000597	0.06456	mg/L	0.000597	0.92%
Cu 324.752†	44476.4	0.12168	mg/L	0.001656	0.12168	mg/L	0.001656	1.36%
Fe 273.955†	4740507.1	144.31	mg/L	0.568	144.31	mg/L	0.568	0.39%
Mg 279.077†	358638.6	8.2011	mg/L	0.08989	8.2011	mg/L	0.08989	1.10%
Mn 257.610†	2200709.7	3.0927	mg/L	0.01248	3.0927	mg/L	0.01248	0.40%
Ni 231.604†	3420.2	0.04264	mg/L	0.000115	0.04264	mg/L	0.000115	0.27%
Tl 190.801†	101.2	0.00963	mg/L	0.000950	0.00963	mg/L	0.000950	9.87%
V 292.402†	3677.8	0.01665	mg/L	0.000205	0.01665	mg/L	0.000205	1.23%
Ca 227.546†	15748.9	42.283	mg/L	0.2417	42.283	mg/L	0.2417	0.57%
Ti 334.940†	309383.5	0.25675	mg/L	0.003024	0.25675	mg/L	0.003024	1.18%

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Sequence No.: 25 **Autosampler Location: 51**
Sample ID: N1194-16A~SS-FD-03- 20X **Date Collected: 7/17/2014 2:15:43 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:06 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-16A~SS-FD-03- 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2594130.1	99.64	%	0.329				0.33%
Lu 261.542	2411516.0	99.54	%	0.329				0.33%
Al 308.215†	414660.0	15.042	mg/L	0.0583	15.042	mg/L	0.0583	0.39%
Co 228.616†	525.2	0.00933	mg/L	0.000142	0.00933	mg/L	0.000142	1.52%
Cr 267.716†	24706.8	0.07552	mg/L	0.000393	0.07552	mg/L	0.000393	0.52%
Cu 324.752†	55584.8	0.14853	mg/L	0.000784	0.14853	mg/L	0.000784	0.53%
Fe 273.955†	4398517.0	133.90	mg/L	0.595	133.90	mg/L	0.595	0.44%
Mg 279.077†	697149.2	15.890	mg/L	0.0710	15.890	mg/L	0.0710	0.45%
Mn 257.610†	2619114.8	3.6804	mg/L	0.01559	3.6804	mg/L	0.01559	0.42%
Ni 231.604†	3700.7	0.04612	mg/L	0.000097	0.04612	mg/L	0.000097	0.21%
Tl 190.801†	119.1	0.01329	mg/L	0.000972	0.01329	mg/L	0.000972	7.32%
V 292.402†	4813.0	0.02072	mg/L	0.000537	0.02072	mg/L	0.000537	2.59%
Ca 227.546†	25742.8	68.588	mg/L	0.1543	68.588	mg/L	0.1543	0.22%
Ti 334.940†	362165.9	0.30055	mg/L	0.001011	0.30055	mg/L	0.001011	0.34%

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Sequence No.: 26 **Autosampler Location: 52**
Sample ID: N1194-17A~SS-25-071 20X **Date Collected: 7/17/2014 2:19:18 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:06 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-17A~SS-25-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	2581042.6	99.14	%	0.405				0.41%
Lu 261.542	2395753.1	98.89	%	0.409				0.41%
Al 308.215†	465314.4	16.879	mg/L	0.0681	16.879	mg/L	0.0681	0.40%
Co 228.616†	618.7	0.01097	mg/L	0.000164	0.01097	mg/L	0.000164	1.49%
Cr 267.716†	19655.6	0.05968	mg/L	0.000435	0.05968	mg/L	0.000435	0.73%
Cu 324.752†	53406.6	0.14358	mg/L	0.000669	0.14358	mg/L	0.000669	0.47%
Fe 273.955†	4603430.7	140.14	mg/L	0.739	140.14	mg/L	0.739	0.53%
Mg 279.077†	520651.2	11.881	mg/L	0.0322	11.881	mg/L	0.0322	0.27%
Mn 257.610†	2443064.9	3.4331	mg/L	0.01821	3.4331	mg/L	0.01821	0.53%
Ni 231.604†	3189.6	0.03968	mg/L	0.000198	0.03968	mg/L	0.000198	0.50%
Tl 190.801†	127.7	0.01295	mg/L	0.000850	0.01295	mg/L	0.000850	6.56%
V 292.402†	6965.4	0.02896	mg/L	0.000126	0.02896	mg/L	0.000126	0.44%
Ca 227.546†	33677.6	89.536	mg/L	0.4000	89.536	mg/L	0.4000	0.45%
Ti 334.940†	434483.4	0.36095	mg/L	0.001435	0.36095	mg/L	0.001435	0.40%

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Sequence No.: 27 **Autosampler Location: 53**
Sample ID: N1194-18A~SS-26-071 20X **Date Collected: 7/17/2014 2:22:53 PM**

Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:07 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-18A~SS-26-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2604017.0	100.0	%	0.12				0.12%
Lu 261.542	2424240.0	100.1	%	0.11				0.11%
Al 308.215†	233392.3	8.4663	mg/L	0.03998	8.4663	mg/L	0.03998	0.47%
Co 228.616†	524.7	0.00935	mg/L	0.000104	0.00935	mg/L	0.000104	1.12%
Cr 267.716†	26494.7	0.08139	mg/L	0.000156	0.08139	mg/L	0.000156	0.19%
Cu 324.752†	59087.6	0.15715	mg/L	0.000401	0.15715	mg/L	0.000401	0.26%
Fe 273.955†	4355411.7	132.59	mg/L	0.788	132.59	mg/L	0.788	0.59%
Mg 279.077†	397757.9	9.0859	mg/L	0.02346	9.0859	mg/L	0.02346	0.26%
Mn 257.610†	2450786.5	3.4441	mg/L	0.02100	3.4441	mg/L	0.02100	0.61%
Ni 231.604†	3712.8	0.04629	mg/L	0.000289	0.04629	mg/L	0.000289	0.62%
Tl 190.801†	110.5	0.01485	mg/L	0.002523	0.01485	mg/L	0.002523	16.99%
V 292.402†	5033.9	0.02154	mg/L	0.000224	0.02154	mg/L	0.000224	1.04%
Ca 227.546†	15288.8	41.016	mg/L	0.1758	41.016	mg/L	0.1758	0.43%
Ti 334.940†	342428.7	0.28410	mg/L	0.001031	0.28410	mg/L	0.001031	0.36%

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Sequence No.: 28 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/17/2014 2:26:29 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:07 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2546693.9	97.82	%	0.711				0.73%
Lu 261.542	2394325.4	98.83	%	0.741				0.75%
Al 308.215†	275992.7	9.9963	mg/L	0.03851	9.9963	mg/L	0.03851	0.39%
QC value within limits for Al 308.215 Recovery = 99.96%								
Co 228.616†	126354.1	2.3885	mg/L	0.00723	2.3885	mg/L	0.00723	0.30%
QC value within limits for Co 228.616 Recovery = 95.54%								
Cr 267.716†	303931.1	0.96495	mg/L	0.002960	0.96495	mg/L	0.002960	0.31%
QC value within limits for Cr 267.716 Recovery = 96.49%								
Cu 324.752†	490284.4	1.2209	mg/L	0.00360	1.2209	mg/L	0.00360	0.29%
QC value within limits for Cu 324.752 Recovery = 97.67%								
Fe 273.955†	164364.3	5.1059	mg/L	0.00674	5.1059	mg/L	0.00674	0.13%
QC value within limits for Fe 273.955 Recovery = 102.12%								
Mg 279.077†	1091657.5	24.806	mg/L	0.0855	24.806	mg/L	0.0855	0.34%
QC value within limits for Mg 279.077 Recovery = 99.22%								
Mn 257.610†	1750164.9	2.4588	mg/L	0.00705	2.4588	mg/L	0.00705	0.29%
QC value within limits for Mn 257.610 Recovery = 98.35%								
Ni 231.604†	197016.8	2.4673	mg/L	0.00665	2.4673	mg/L	0.00665	0.27%
QC value within limits for Ni 231.604 Recovery = 98.69%								
Tl 190.801†	1287.8	0.47035	mg/L	0.008718	0.47035	mg/L	0.008718	1.85%
QC value within limits for Tl 190.801 Recovery = 94.07%								
V 292.402†	643353.3	2.4403	mg/L	0.00826	2.4403	mg/L	0.00826	0.34%
QC value within limits for V 292.402 Recovery = 97.61%								
Ca 227.546†	9133.8	23.713	mg/L	0.2105	23.713	mg/L	0.2105	0.89%
QC value within limits for Ca 227.546 Recovery = 94.85%								
Ti 334.940†	583817.5	0.48321	mg/L	0.001787	0.48321	mg/L	0.001787	0.37%
QC value within limits for Ti 334.940 Recovery = 96.64%								

All analyte(s) passed QC.

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Sequence No.: 29 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/17/2014 2:29:57 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:08 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	2659002.4	102.1	%	2.76				2.70%
Lu 261.542	2475505.8	102.2	%	2.93				2.87%
Al 308.215†	196.4	0.00714	mg/L	0.004789	0.00714	mg/L	0.004789	67.07%
QC value within limits for Al 308.215 Recovery = Not calculated								
Co 228.616†	23.6	0.00045	mg/L	0.000263	0.00045	mg/L	0.000263	59.03%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	66.9	0.00021	mg/L	0.000283	0.00021	mg/L	0.000283	134.13%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-464.0	-0.00115	mg/L	0.000566	-0.00115	mg/L	0.000566	49.07%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	1038.8	0.03156	mg/L	0.005983	0.03156	mg/L	0.005983	18.96%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	307.6	0.00700	mg/L	0.006942	0.00700	mg/L	0.006942	99.15%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	801.9	0.00113	mg/L	0.000180	0.00113	mg/L	0.000180	15.94%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	22.7	0.00028	mg/L	0.000919	0.00028	mg/L	0.000919	323.85%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Tl 190.801†	2.9	0.00109	mg/L	0.004443	0.00109	mg/L	0.004443	408.83%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-376.8	-0.00143	mg/L	0.000201	-0.00143	mg/L	0.000201	14.08%
QC value within limits for V 292.402 Recovery = Not calculated								
Ca 227.546†	-1.1	-0.00267	mg/L	0.037985	-0.00267	mg/L	0.037985	>999.9%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Ti 334.940†	150.9	0.00012	mg/L	0.000255	0.00012	mg/L	0.000255	204.51%
QC value within limits for Ti 334.940 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 30 **Autosampler Location: 54**
Sample ID: N1194-19A~SS-27-071 20X **Date Collected: 7/17/2014 2:33:23 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:08 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-19A~SS-27-071 20X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	2579694.6	99.09	%	0.335				0.34%
Lu 261.542	2392486.0	98.76	%	0.348				0.35%
Al 308.215†	366248.2	13.283	mg/L	0.0830	13.283	mg/L	0.0830	0.63%
Co 228.616†	379.2	0.00665	mg/L	0.000391	0.00665	mg/L	0.000391	5.88%
Cr 267.716†	17193.1	0.05201	mg/L	0.000314	0.05201	mg/L	0.000314	0.60%
Cu 324.752†	38854.3	0.10491	mg/L	0.000825	0.10491	mg/L	0.000825	0.79%
Fe 273.955†	3540927.6	107.79	mg/L	0.176	107.79	mg/L	0.176	0.16%
Mg 279.077†	814394.2	18.545	mg/L	0.0491	18.545	mg/L	0.0491	0.26%
Mn 257.610†	2305940.6	3.2401	mg/L	0.00497	3.2401	mg/L	0.00497	0.15%
Ni 231.604†	3249.6	0.04051	mg/L	0.000328	0.04051	mg/L	0.000328	0.81%
Tl 190.801†	116.9	0.01638	mg/L	0.002367	0.01638	mg/L	0.002367	14.45%
V 292.402†	3620.6	0.01571	mg/L	0.000135	0.01571	mg/L	0.000135	0.86%
Ca 227.546†	28976.3	76.977	mg/L	0.7188	76.977	mg/L	0.7188	0.93%
Ti 334.940†	307803.5	0.25547	mg/L	0.002057	0.25547	mg/L	0.002057	0.81%

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Sequence No.: 31 **Autosampler Location: 55**
Sample ID: N1194-20A~SS-28-071 20X **Date Collected: 7/17/2014 2:37:01 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:09 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-20A~SS-28-071 20X

Analyte	Mean Corrected	Calib.			Sample			

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 360.073	2551973.2	98.02	%	1.049				1.07%
Lu 261.542	2386162.4	98.50	%	0.401				0.41%
Al 308.215†	268505.1	9.7359	mg/L	0.12013	9.7359	mg/L	0.12013	1.23%
Co 228.616†	802.8	0.01483	mg/L	0.000309	0.01483	mg/L	0.000309	2.09%
Cr 267.716†	103330.0	0.32487	mg/L	0.003936	0.32487	mg/L	0.003936	1.21%
Cu 324.752†	73658.4	0.20121	mg/L	0.003044	0.20121	mg/L	0.003044	1.51%
Fe 273.955†	7707016.2	234.62	mg/L	0.565	234.62	mg/L	0.565	0.24%
Mg 279.077†	366018.0	8.4003	mg/L	0.08574	8.4003	mg/L	0.08574	1.02%
Mn 257.610†	2992744.5	4.2058	mg/L	0.05352	4.2058	mg/L	0.05352	1.27%
Ni 231.604†	7560.0	0.09453	mg/L	0.000906	0.09453	mg/L	0.000906	0.96%
Tl 190.801†	167.4	0.01798	mg/L	0.003139	0.01798	mg/L	0.003139	17.46%
V 292.402†	8439.8	0.03670	mg/L	0.000245	0.03670	mg/L	0.000245	0.67%
Ca 227.546†	28738.8	76.997	mg/L	0.9660	76.997	mg/L	0.9660	1.25%
Ti 334.940†	208303.5	0.17330	mg/L	0.002389	0.17330	mg/L	0.002389	1.38%

Sequence No.: 32 **Autosampler Location: 56**
Sample ID: N1194-21A~SS-29-071 20X **Date Collected: 7/17/2014 2:40:33 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:09 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-21A~SS-29-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2607017.1	100.1	%	0.19				0.19%
Lu 261.542	2425121.3	100.1	%	0.20				0.20%
Al 308.215†	217416.3	7.8859	mg/L	0.02379	7.8859	mg/L	0.02379	0.30%
Co 228.616†	526.5	0.00941	mg/L	0.000130	0.00941	mg/L	0.000130	1.38%
Cr 267.716†	29839.5	0.09206	mg/L	0.000119	0.09206	mg/L	0.000119	0.13%
Cu 324.752†	77485.7	0.20279	mg/L	0.001126	0.20279	mg/L	0.001126	0.56%
Fe 273.955†	4293003.6	130.69	mg/L	0.425	130.69	mg/L	0.425	0.33%
Mg 279.077†	486464.6	11.101	mg/L	0.0198	11.101	mg/L	0.0198	0.18%
Mn 257.610†	2417463.0	3.3972	mg/L	0.01088	3.3972	mg/L	0.01088	0.32%
Ni 231.604†	4961.1	0.06193	mg/L	0.000345	0.06193	mg/L	0.000345	0.56%
Tl 190.801†	108.6	0.01457	mg/L	0.001140	0.01457	mg/L	0.001140	7.83%
V 292.402†	4809.2	0.02065	mg/L	0.000331	0.02065	mg/L	0.000331	1.60%
Ca 227.546†	15680.9	42.039	mg/L	0.1624	42.039	mg/L	0.1624	0.39%
Ti 334.940†	322001.5	0.26709	mg/L	0.000550	0.26709	mg/L	0.000550	0.21%

Sequence No.: 33 **Autosampler Location: 57**
Sample ID: N1194-22A~SS-30-071 20X **Date Collected: 7/17/2014 2:44:02 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:10 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-22A~SS-30-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	2625504.2	100.8	%	1.06				1.05%
Lu 261.542	2453902.0	101.3	%	1.01				1.00%
Al 308.215†	224963.8	8.1653	mg/L	0.04598	8.1653	mg/L	0.04598	0.56%
Co 228.616†	164.8	0.00295	mg/L	0.000244	0.00295	mg/L	0.000244	8.27%
Cr 267.716†	4421.2	0.01355	mg/L	0.000213	0.01355	mg/L	0.000213	1.57%
Cu 324.752†	5732.7	0.01658	mg/L	0.000123	0.01658	mg/L	0.000123	0.74%
Fe 273.955†	995256.9	30.297	mg/L	0.1611	30.297	mg/L	0.1611	0.53%
Mg 279.077†	132168.1	3.0142	mg/L	0.00868	3.0142	mg/L	0.00868	0.29%
Mn 257.610†	440881.5	0.61952	mg/L	0.002744	0.61952	mg/L	0.002744	0.44%
Ni 231.604†	809.9	0.01008	mg/L	0.000141	0.01008	mg/L	0.000141	1.40%
Tl 190.801†	27.7	0.00215	mg/L	0.000934	0.00215	mg/L	0.000934	43.48%
V 292.402†	2020.3	0.00821	mg/L	0.000415	0.00821	mg/L	0.000415	5.05%
Ca 227.546†	3907.9	10.463	mg/L	0.1784	10.463	mg/L	0.1784	1.71%
Ti 334.940†	102461.2	0.08498	mg/L	0.000322	0.08498	mg/L	0.000322	0.38%

Sequence No.: 34 **Autosampler Location: 58**
Sample ID: N1194-23A~SS-31-071 20X **Date Collected: 7/17/2014 2:47:25 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:10 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-23A~SS-31-071 20X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	2582519.2	99.20	%	0.537				0.54%
Lu 261.542	2400850.7	99.10	%	0.509				0.51%
Al 308.215†	316652.8	11.485	mg/L	0.0303	11.485	mg/L	0.0303	0.26%
Co 228.616†	726.5	0.01308	mg/L	0.000180	0.01308	mg/L	0.000180	1.38%
Cr 267.716†	48912.5	0.15216	mg/L	0.000271	0.15216	mg/L	0.000271	0.18%
Cu 324.752†	70335.2	0.18831	mg/L	0.000597	0.18831	mg/L	0.000597	0.32%
Fe 273.955†	5721445.8	174.17	mg/L	0.985	174.17	mg/L	0.985	0.57%
Mg 279.077†	682136.7	15.563	mg/L	0.0630	15.563	mg/L	0.0630	0.40%
Mn 257.610†	2849912.3	4.0048	mg/L	0.02071	4.0048	mg/L	0.02071	0.52%
Ni 231.604†	7398.6	0.09242	mg/L	0.000727	0.09242	mg/L	0.000727	0.79%
Tl 190.801†	137.7	0.01571	mg/L	0.000516	0.01571	mg/L	0.000516	3.29%
V 292.402†	5060.6	0.02247	mg/L	0.000293	0.02247	mg/L	0.000293	1.31%
Ca 227.546†	24461.1	65.413	mg/L	0.5401	65.413	mg/L	0.5401	0.83%
Ti 334.940†	388231.2	0.32212	mg/L	0.001013	0.32212	mg/L	0.001013	0.31%

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Sequence No.: 35 **Autosampler Location: 59**
Sample ID: N1194-24A~SS-32-071 20X **Date Collected: 7/17/2014 2:50:56 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:11 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-24A~SS-32-071 20X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	2542147.7	97.65	%	0.870				0.89%
Lu 261.542	2366075.5	97.67	%	0.884				0.91%
Al 308.215†	223911.3	8.1217	mg/L	0.14743	8.1217	mg/L	0.14743	1.82%
Co 228.616†	446.4	0.00797	mg/L	0.000140	0.00797	mg/L	0.000140	1.76%
Cr 267.716†	12828.9	0.03801	mg/L	0.000625	0.03801	mg/L	0.000625	1.64%
Cu 324.752†	26019.4	0.07369	mg/L	0.001654	0.07369	mg/L	0.001654	2.24%
Fe 273.955†	3854956.2	117.35	mg/L	0.934	117.35	mg/L	0.934	0.80%
Mg 279.077†	397484.9	9.0744	mg/L	0.16577	9.0744	mg/L	0.16577	1.83%
Mn 257.610†	2424247.9	3.4068	mg/L	0.02610	3.4068	mg/L	0.02610	0.77%
Ni 231.604†	2354.9	0.02932	mg/L	0.000095	0.02932	mg/L	0.000095	0.32%
Tl 190.801†	116.8	0.01966	mg/L	0.002518	0.01966	mg/L	0.002518	12.81%
V 292.402†	4475.6	0.01916	mg/L	0.000757	0.01916	mg/L	0.000757	3.95%
Ca 227.546†	16258.1	43.496	mg/L	0.6364	43.496	mg/L	0.6364	1.46%
Ti 334.940†	284523.3	0.23612	mg/L	0.004765	0.23612	mg/L	0.004765	2.02%

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Sequence No.: 36 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/17/2014 2:54:27 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:12 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	2498711.4	95.98	%	0.934				0.97%
Lu 261.542	2347717.7	96.91	%	0.971				1.00%
Al 308.215†	280031.6	10.143	mg/L	0.1144	10.143	mg/L	0.1144	1.13%
QC value within limits for Al 308.215 Recovery = 101.43%								
Co 228.616†	127955.4	2.4188	mg/L	0.02442	2.4188	mg/L	0.02442	1.01%
QC value within limits for Co 228.616 Recovery = 96.75%								

Cr 267.716†	308438.7	0.97926 mg/L	0.011006	0.97926 mg/L	0.011006	1.12%
QC value within limits for Cr 267.716 Recovery = 97.93%						
Cu 324.752†	495782.3	1.2346 mg/L	0.01183	1.2346 mg/L	0.01183	0.96%
QC value within limits for Cu 324.752 Recovery = 98.77%						
Fe 273.955†	166463.3	5.1712 mg/L	0.04593	5.1712 mg/L	0.04593	0.89%
QC value within limits for Fe 273.955 Recovery = 103.42%						
Mg 279.077†	1107522.9	25.167 mg/L	0.2992	25.167 mg/L	0.2992	1.19%
QC value within limits for Mg 279.077 Recovery = 100.67%						
Mn 257.610†	1773204.8	2.4911 mg/L	0.02567	2.4911 mg/L	0.02567	1.03%
QC value within limits for Mn 257.610 Recovery = 99.65%						
Ni 231.604†	199081.5	2.4931 mg/L	0.02765	2.4931 mg/L	0.02765	1.11%
QC value within limits for Ni 231.604 Recovery = 99.72%						
Tl 190.801†	1324.8	0.48423 mg/L	0.003638	0.48423 mg/L	0.003638	0.75%
QC value within limits for Tl 190.801 Recovery = 96.85%						
V 292.402†	651919.8	2.4728 mg/L	0.03008	2.4728 mg/L	0.03008	1.22%
QC value within limits for V 292.402 Recovery = 98.91%						
Ca 227.546†	9280.2	24.095 mg/L	0.3008	24.095 mg/L	0.3008	1.25%
QC value within limits for Ca 227.546 Recovery = 96.38%						
Ti 334.940†	591244.1	0.48935 mg/L	0.005432	0.48935 mg/L	0.005432	1.11%
QC value within limits for Ti 334.940 Recovery = 97.87%						

All analyte(s) passed QC.

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Sequence No.: 37 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/17/2014 2:57:54 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 3:06:12 PM**
Logged In Analyst (Original) : mitOptima2
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	2669241.2	102.5	%	2.44				2.38%
Lu 261.542	2481593.0	102.4	%	2.52				2.46%
Al 308.215†	165.8	0.00604	mg/L	0.000258	0.00604	mg/L	0.000258	4.26%
QC value within limits for Al 308.215 Recovery = Not calculated								
Co 228.616†	13.1	0.00025	mg/L	0.000284	0.00025	mg/L	0.000284	114.82%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	120.2	0.00038	mg/L	0.000219	0.00038	mg/L	0.000219	57.59%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-659.3	-0.00164	mg/L	0.000210	-0.00164	mg/L	0.000210	12.84%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	1335.3	0.04055	mg/L	0.013518	0.04055	mg/L	0.013518	33.33%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	342.9	0.00781	mg/L	0.004924	0.00781	mg/L	0.004924	63.09%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	765.0	0.00107	mg/L	0.000256	0.00107	mg/L	0.000256	23.82%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	3.7	0.00005	mg/L	0.000940	0.00005	mg/L	0.000940	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Tl 190.801†	-3.8	-0.00145	mg/L	0.006633	-0.00145	mg/L	0.006633	457.69%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-609.9	-0.00231	mg/L	0.000721	-0.00231	mg/L	0.000721	31.17%
QC value within limits for V 292.402 Recovery = Not calculated								
Ca 227.546†	-26.6	-0.06990	mg/L	0.031655	-0.06990	mg/L	0.031655	45.29%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Ti 334.940†	68.1	0.00006	mg/L	0.000237	0.00006	mg/L	0.000237	427.45%
QC value within limits for Ti 334.940 Recovery = Not calculated								

All analyte(s) passed QC.

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Reprocessing Begun
Logged In Analyst: mitOptima3 **Technique: ICP Continuous**

Results Data Set (original): B14071502
Results Library (original): C:\pe\Administrator\Results\Results.mdb
Results Data Set (reprocessed): B14071502A
Results Library (reprocessed): C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 1**
Sample ID: S0 **Date Collected: 7/15/2014 11:04:38 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:28 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	1931963.4	18102.34	0.94%	100.000	%
Lu 261.542	1228708.5	10466.18	0.85%	100.0	%
Ag 328.068†	-2588.9	27.48	1.06%	[0.00]	mg/L
Al 308.215†	6311.5	48.30	0.77%	[0.00]	mg/L
As 188.979†	-10.2	3.02	29.68%	[0.00]	mg/L
Ba 233.527†	9.0	3.66	40.72%	[0.00]	mg/L
Be 313.107†	-396.5	17.06	4.30%	[0.00]	mg/L
Co 228.616†	-39.3	4.84	12.32%	[0.00]	mg/L
Cr 267.716†	46.7	8.35	17.88%	[0.00]	mg/L
Cu 324.752†	2727.0	56.41	2.07%	[0.00]	mg/L
Fe 273.955†	-135.6	11.19	8.25%	[0.00]	mg/L
Mg 279.077†	-194.0	46.74	24.09%	[0.00]	mg/L
Mn 257.610†	153.4	11.88	7.74%	[0.00]	mg/L
Ni 231.604†	-15.8	7.10	44.84%	[0.00]	mg/L
Pb 220.353†	36.8	9.73	26.40%	[0.00]	mg/L
Sb 206.836†	13.9	1.63	11.72%	[0.00]	mg/L
Se 196.026†	-0.7	3.47	472.81%	[0.00]	mg/L
Tl 190.801	-16.2	3.98	24.58%	[0.00]	mg/L
V 292.402†	-0.8	1.33	159.08%	[0.00]	mg/L
Zn 206.200†	139.4	4.13	2.96%	[0.00]	mg/L
Cd 226.502†	-55.0	3.30	6.00%	[0.00]	mg/L
Ti 334.940†	56.6	63.64	112.45%	[0.00]	mg/L
Ca 227.546†	5.7	1.55	27.46%	[0.00]	mg/L
Na 589.592	709.3	55.30	7.80%	[0.00]	mg/L
K 766.490	1821.4	109.31	6.00%	[0.00]	mg/L

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Sequence No.: 2 **Autosampler Location: 9**
Sample ID: S1 **Date Collected: 7/15/2014 11:08:15 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:30 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	1810974.8	16058.38	0.89%	93.738	%
Lu 261.542	1159690.1	9874.69	0.85%	94.38	%
Ag 328.068†	402966.2	3596.77	0.89%	[2.5]	mg/L
Al 308.215†	417174.5	3954.97	0.95%	[20]	mg/L
As 188.979†	949.8	7.53	0.79%	[1]	mg/L
Ba 233.527†	1587121.3	962.68	0.06%	[20]	mg/L
Be 313.107†	1130510.5	1852.18	0.16%	[0.5]	mg/L
Co 228.616†	160792.3	1550.38	0.96%	[5]	mg/L
Cr 267.716†	133070.9	1130.40	0.85%	[2]	mg/L
Cu 324.752†	539088.3	2391.25	0.44%	[2.5]	mg/L
Fe 273.955†	223998.7	2084.54	0.93%	[10]	mg/L

Mg 279.077†	781224.0	521.39	0.07%	[50] mg/L
Mn 257.610†	2674594.5	2008.56	0.08%	[5] mg/L
Ni 231.604†	118880.0	1211.01	1.02%	[5] mg/L
Pb 220.353†	4560.8	31.72	0.70%	[1] mg/L
Sb 206.836†	1445.9	18.23	1.26%	[1] mg/L
Se 196.026†	602.5	4.87	0.81%	[1] mg/L
Tl 190.801	963.7	7.03	0.73%	[1] mg/L
V 292.402†	580241.6	552.21	0.10%	[5] mg/L
Zn 206.200†	122535.6	1117.23	0.91%	[5] mg/L
Cd 226.502†	22157.9	176.04	0.79%	[0.5] mg/L
Ti 334.940†	575401.7	891.37	0.15%	[1] mg/L
Ca 227.546†	8396.6	62.03	0.74%	[50] mg/L
Na 589.592	340136.9	5407.77	1.59%	[50] mg/L
K 766.490	102515.8	1792.89	1.75%	[50] mg/L

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Sequence No.: 3 **Autosampler Location: 10**
Sample ID: S2 **Date Collected: 7/15/2014 11:11:58 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:31 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	1862296.0	7628.29	0.41%	96.394	%
Lu 261.542	1192604.7	5294.48	0.44%	97.06	%
Ag 328.068†	200765.3	1434.00	0.71%	[1.25]	mg/L
Al 308.215†	205401.1	1814.45	0.88%	[10]	mg/L
As 188.979†	464.6	5.12	1.10%	[0.5]	mg/L
Ba 233.527†	812889.4	656.20	0.08%	[10]	mg/L
Be 313.107†	567672.5	585.88	0.10%	[0.25]	mg/L
Co 228.616†	80830.4	766.98	0.95%	[2.5]	mg/L
Cr 267.716†	66312.6	669.56	1.01%	[1]	mg/L
Cu 324.752†	265531.7	1937.25	0.73%	[1.25]	mg/L
Fe 273.955†	112399.8	1042.61	0.93%	[5]	mg/L
Mg 279.077†	394602.9	236.91	0.06%	[25]	mg/L
Mn 257.610†	1362290.1	1237.98	0.09%	[2.5]	mg/L
Ni 231.604†	59928.9	471.38	0.79%	[2.5]	mg/L
Pb 220.353†	2282.2	19.32	0.85%	[0.5]	mg/L
Sb 206.836†	713.2	4.89	0.69%	[0.5]	mg/L
Se 196.026†	301.3	9.14	3.03%	[0.5]	mg/L
Tl 190.801	503.8	3.80	0.75%	[0.5]	mg/L
V 292.402†	288505.0	2895.57	1.00%	[2.5]	mg/L
Zn 206.200†	61865.8	575.35	0.93%	[2.5]	mg/L
Cd 226.502†	11093.8	106.27	0.96%	[0.25]	mg/L
Ti 334.940†	288437.9	766.82	0.27%	[0.5]	mg/L
Ca 227.546†	4100.6	12.21	0.30%	[25]	mg/L
Na 589.592	174316.2	2675.51	1.53%	[25]	mg/L
K 766.490	52405.3	739.04	1.41%	[25]	mg/L

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Sequence No.: 4 **Autosampler Location: 11**
Sample ID: S3 **Date Collected: 7/15/2014 11:15:40 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:32 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	1923212.9	14517.90	0.75%	99.547	%
Lu 261.542	1225921.2	10183.54	0.83%	99.77	%
Ag 328.068†	4064.1	49.80	1.23%	[0.025]	mg/L
Al 308.215†	4087.0	112.70	2.76%	[0.2]	mg/L
As 188.979†	14.1	4.30	30.57%	[0.01]	mg/L
Ba 233.527†	16877.0	252.99	1.50%	[0.2]	mg/L

Be 313.107†	11212.3	171.49	1.53%	[0.005]	mg/L
Co 228.616†	1633.9	7.74	0.47%	[0.05]	mg/L
Cr 267.716†	1330.6	30.06	2.26%	[0.02]	mg/L
Cu 324.752†	5313.5	74.54	1.40%	[0.025]	mg/L
Fe 273.955†	2311.9	43.90	1.90%	[0.1]	mg/L
Mg 279.077†	8110.1	139.47	1.72%	[0.5]	mg/L
Mn 257.610†	28402.7	362.40	1.28%	[0.05]	mg/L
Ni 231.604†	1209.9	11.95	0.99%	[0.05]	mg/L
Pb 220.353†	50.5	2.03	4.02%	[0.01]	mg/L
Sb 206.836†	18.2	4.79	26.27%	[0.01]	mg/L
Se 196.026†	2.6	2.30	89.83%	[0.01]	mg/L
Tl 190.801	10.2	5.40	52.79%	[0.01]	mg/L
V 292.402†	5736.4	49.31	0.86%	[0.05]	mg/L
Zn 206.200†	1285.5	3.99	0.31%	[0.05]	mg/L
Cd 226.502†	222.2	7.05	3.17%	[0.005]	mg/L
Ti 334.940†	5765.4	110.78	1.92%	[0.01]	mg/L
Ca 227.546†	69.4	15.56	22.41%	[0.5]	mg/L
Na 589.592	3808.4	74.89	1.97%	[0.5]	mg/L
K 766.490	1093.0	52.85	4.83%	[0.5]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin Thru 0	0.0	161100	0.00000	0.999999	
Al 308.215	3	Lin Thru 0	0.0	20790	0.00000	0.999981	
As 188.979	3	Lin Thru 0	0.0	945.7	0.00000	0.999953	
Ba 233.527	3	Lin Thru 0	0.0	79740	0.00000	0.999953	
Be 313.107	3	Lin Thru 0	0.0	2263000	0.00000	0.999999	
Co 228.616	3	Lin Thru 0	0.0	32190	0.00000	0.999998	
Cr 267.716	3	Lin Thru 0	0.0	66490	0.00000	0.999999	
Cu 324.752	3	Lin Thru 0	0.0	215000	0.00000	0.999982	
Fe 273.955	3	Lin Thru 0	0.0	22420	0.00000	0.999999	
Mg 279.077	3	Lin Thru 0	0.0	15660	0.00000	0.999992	
Mn 257.610	3	Lin Thru 0	0.0	536900	0.00000	0.999972	
Ni 231.604	3	Lin Thru 0	0.0	23820	0.00000	0.999995	
Pb 220.353	3	Lin Thru 0	0.0	4562	0.00000	0.999999	
Sb 206.836	3	Lin Thru 0	0.0	1442	0.00000	0.999983	
Se 196.026	3	Lin Thru 0	0.0	602.5	0.00000	0.999987	
Tl 190.801	3	Lin Thru 0	0.0	972.5	0.00000	0.999836	
V 292.402	3	Lin Thru 0	0.0	115900	0.00000	0.999998	
Zn 206.200	3	Lin Thru 0	0.0	24560	0.00000	0.999992	
Cd 226.502	3	Lin Thru 0	0.0	44330	0.00000	1.000000	
Ti 334.940	3	Lin Thru 0	0.0	575700	0.00000	0.999999	
Ca 227.546	3	Lin Thru 0	0.0	167.1	0.00000	0.999955	
Na 589.592	3	Lin Thru 0	0.0	6837	0.00000	0.999950	
K 766.490	3	Lin Thru 0	0.0	2060	0.00000	0.999960	

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Sequence No.: 5 **Autosampler Location: 3**
Sample ID: ICV **Date Collected: 7/15/2014 11:19:49 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:33 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1853845.2	95.957	%	0.8082				0.84%
Lu 261.542	1185758.5	96.50	%	0.889				0.92%
Ag 328.068†	200076.8	1.2443	mg/L	0.03609	1.2443	mg/L	0.03609	2.90%
QC value within limits for Ag 328.068 Recovery = 99.54%								
Al 308.215†	212366.8	10.181	mg/L	0.3192	10.181	mg/L	0.3192	3.14%
QC value within limits for Al 308.215 Recovery = 101.81%								
As 188.979†	465.9	0.50131	mg/L	0.007487	0.50131	mg/L	0.007487	1.49%
QC value within limits for As 188.979 Recovery = 100.26%								
Ba 233.527†	814235.6	10.214	mg/L	0.0549	10.214	mg/L	0.0549	0.54%
QC value within limits for Ba 233.527 Recovery = 102.14%								
Be 313.107†	562681.3	0.24962	mg/L	0.000967	0.24962	mg/L	0.000967	0.39%

QC value within limits for Be 313.107 Recovery = 99.85%
Co 228.616† 79050.8 2.4541 mg/L 0.08223 2.4541 mg/L 0.08223 3.35%
QC value within limits for Co 228.616 Recovery = 98.16%
Cr 267.716† 65635.4 0.98729 mg/L 0.029797 0.98729 mg/L 0.029797 3.02%
QC value within limits for Cr 267.716 Recovery = 98.73%
Cu 324.752† 267911.0 1.2468 mg/L 0.03740 1.2468 mg/L 0.03740 3.00%
QC value within limits for Cu 324.752 Recovery = 99.75%
Fe 273.955† 113016.7 5.1311 mg/L 0.16999 5.1311 mg/L 0.16999 3.31%
QC value within limits for Fe 273.955 Recovery = 102.62%
Mg 279.077† 399758.2 25.536 mg/L 0.1096 25.536 mg/L 0.1096 0.43%
QC value within limits for Mg 279.077 Recovery = 102.14%
Mn 257.610† 1357937.4 2.5283 mg/L 0.01134 2.5283 mg/L 0.01134 0.45%
QC value within limits for Mn 257.610 Recovery = 101.13%
Ni 231.604† 60509.1 2.5407 mg/L 0.08086 2.5407 mg/L 0.08086 3.18%
QC value within limits for Ni 231.604 Recovery = 101.63%
Pb 220.353† 2253.3 0.49436 mg/L 0.005365 0.49436 mg/L 0.005365 1.09%
QC value within limits for Pb 220.353 Recovery = 98.87%
Sb 206.836† 668.9 0.45470 mg/L 0.005365 0.45470 mg/L 0.005365 1.18%
QC value within limits for Sb 206.836 Recovery = 90.94%
Se 196.026† 294.0 0.49020 mg/L 0.007785 0.49020 mg/L 0.007785 1.59%
QC value within limits for Se 196.026 Recovery = 98.04%
Tl 190.801 489.0 0.46926 mg/L 0.001518 0.46926 mg/L 0.001518 0.32%
QC value within limits for Tl 190.801 Recovery = 93.85%
V 292.402† 291639.4 2.5178 mg/L 0.07535 2.5178 mg/L 0.07535 2.99%
QC value within limits for V 292.402 Recovery = 100.71%
Zn 206.200† 62579.4 2.5512 mg/L 0.08852 2.5512 mg/L 0.08852 3.47%
QC value within limits for Zn 206.200 Recovery = 102.05%
Cd 226.502† 10937.7 0.24740 mg/L 0.008552 0.24740 mg/L 0.008552 3.46%
QC value within limits for Cd 226.502 Recovery = 98.96%
Ti 334.940† 287552.4 0.49857 mg/L 0.002674 0.49857 mg/L 0.002674 0.54%
QC value within limits for Ti 334.940 Recovery = Not calculated
Ca 227.546† 4071.9 23.815 mg/L 0.4298 23.815 mg/L 0.4298 1.80%
QC value within limits for Ca 227.546 Recovery = 95.26%
Na 589.592 176307.1 25.783 mg/L 0.0735 25.783 mg/L 0.0735 0.29%
QC value within limits for Na 589.592 Recovery = 103.13%
K 766.490 52316.6 25.402 mg/L 0.0776 25.402 mg/L 0.0776 0.31%
QC value within limits for K 766.490 Recovery = 101.61%
All analyte(s) passed QC.

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Sequence No.: 6 **Autosampler Location: 4**
Sample ID: ICB **Date Collected: 7/15/2014 11:23:30 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:33 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1913155.9	99.027	%	0.8654				0.87%
Lu 261.542	1216095.8	98.97	%	0.825				0.83%
Ag 328.068†	-62.5	-0.00039	mg/L	0.000194	-0.00039	mg/L	0.000194	49.96%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	182.2	0.00876	mg/L	0.002459	0.00876	mg/L	0.002459	28.07%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	6.5	0.00683	mg/L	0.002597	0.00683	mg/L	0.002597	38.02%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	82.7	0.00104	mg/L	0.000219	0.00104	mg/L	0.000219	21.11%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	43.7	0.00002	mg/L	0.000017	0.00002	mg/L	0.000017	88.63%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	-1.6	-0.00005	mg/L	0.000072	-0.00005	mg/L	0.000072	146.28%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	10.2	0.00015	mg/L	0.000052	0.00015	mg/L	0.000052	34.19%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	79.3	0.00037	mg/L	0.000083	0.00037	mg/L	0.000083	22.53%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	28.3	0.00126	mg/L	0.000207	0.00126	mg/L	0.000207	16.38%
QC value within limits for Fe 273.955 Recovery = Not calculated								

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Mg 279.077†              84.9     0.00542 mg/L      0.002119     0.00542 mg/L      0.002119  39.06%
   QC value within limits for Mg 279.077  Recovery = Not calculated
Mn 257.610†             109.9     0.00020 mg/L      0.000034     0.00020 mg/L      0.000034  16.82%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Ni 231.604†               8.4     0.00035 mg/L      0.000116     0.00035 mg/L      0.000116  32.90%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†               6.1     0.00133 mg/L      0.000532     0.00133 mg/L      0.000532  40.03%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†               6.0     0.00418 mg/L      0.001560     0.00418 mg/L      0.001560  37.35%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†               0.2     0.00032 mg/L      0.004318     0.00032 mg/L      0.004318 >999.9%
   QC value within limits for Se 196.026  Recovery = Not calculated
Tl 190.801                1.6     0.00167 mg/L      0.003775     0.00167 mg/L      0.003775 226.41%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 292.402†                4.6     0.00004 mg/L      0.000077     0.00004 mg/L      0.000077 192.78%
   QC value within limits for V 292.402  Recovery = Not calculated
Zn 206.200†              20.3     0.00083 mg/L      0.000252     0.00083 mg/L      0.000252  30.46%
   QC value within limits for Zn 206.200  Recovery = Not calculated
Cd 226.502†              -4.3    -0.00010 mg/L      0.000223    -0.00010 mg/L      0.000223 228.07%
   QC value within limits for Cd 226.502  Recovery = Not calculated
Ti 334.940†              34.6     0.00006 mg/L      0.000027     0.00006 mg/L      0.000027  45.02%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Ca 227.546†               0.4     0.00263 mg/L      0.033240     0.00263 mg/L      0.033240 >999.9%
   QC value within limits for Ca 227.546  Recovery = Not calculated
Na 589.592              150.2     0.02197 mg/L      0.007712     0.02197 mg/L      0.007712  35.10%
   QC value within limits for Na 589.592  Recovery = Not calculated
K 766.490               -23.8    -0.01155 mg/L      0.036043    -0.01155 mg/L      0.036043 312.03%
   QC value within limits for K 766.490  Recovery = Not calculated
All analyte(s) passed QC.
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Sequence No.: 7 **Autosampler Location: 2**
Sample ID: LLICV **Date Collected: 7/15/2014 11:27:09 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:34 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LLICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1905589.3	98.635	%	1.0226				1.04%
Lu 261.542	1214541.1	98.85	%	1.028				1.04%
Ag 328.068†	5007.2	0.03113	mg/L	0.000324	0.03113	mg/L	0.000324	1.04%
QC value within limits for Ag 328.068 Recovery = 103.78%								
Al 308.215†	4409.8	0.21135	mg/L	0.009626	0.21135	mg/L	0.009626	4.55%
QC value within limits for Al 308.215 Recovery = 105.67%								
As 188.979†	22.0	0.02351	mg/L	0.002137	0.02351	mg/L	0.002137	9.09%
QC value within limits for As 188.979 Recovery = 117.57%								
Ba 233.527†	17290.2	0.21689	mg/L	0.003885	0.21689	mg/L	0.003885	1.79%
QC value within limits for Ba 233.527 Recovery = 108.44%								
Be 313.107†	12134.9	0.00540	mg/L	0.000135	0.00540	mg/L	0.000135	2.50%
QC value within limits for Be 313.107 Recovery = 107.99%								
Co 228.616†	1655.9	0.05139	mg/L	0.000450	0.05139	mg/L	0.000450	0.88%
QC value within limits for Co 228.616 Recovery = 102.78%								
Cr 267.716†	1397.8	0.02103	mg/L	0.000491	0.02103	mg/L	0.000491	2.34%
QC value within limits for Cr 267.716 Recovery = 105.13%								
Cu 324.752†	6640.9	0.03091	mg/L	0.000709	0.03091	mg/L	0.000709	2.30%
QC value within limits for Cu 324.752 Recovery = 103.04%								
Fe 273.955†	4784.2	0.21527	mg/L	0.003440	0.21527	mg/L	0.003440	1.60%
QC value within limits for Fe 273.955 Recovery = 107.64%								
Mg 279.077†	8189.2	0.52316	mg/L	0.011525	0.52316	mg/L	0.011525	2.20%
QC value within limits for Mg 279.077 Recovery = 104.63%								
Mn 257.610†	29103.2	0.05419	mg/L	0.001083	0.05419	mg/L	0.001083	2.00%
QC value within limits for Mn 257.610 Recovery = 108.38%								
Ni 231.604†	1263.4	0.05304	mg/L	0.000741	0.05304	mg/L	0.000741	1.40%
QC value within limits for Ni 231.604 Recovery = 106.07%								
Pb 220.353†	46.4	0.01018	mg/L	0.001240	0.01018	mg/L	0.001240	12.17%
QC value within limits for Pb 220.353 Recovery = 101.83%								
Sb 206.836†	35.9	0.02467	mg/L	0.004077	0.02467	mg/L	0.004077	16.53%

QC value within limits for Sb 206.836 Recovery = 123.36%
Se 196.026† 18.7 0.03107 mg/L 0.007350 0.03107 mg/L 0.007350 23.66%
QC value within limits for Se 196.026 Recovery = 103.57%
Tl 190.801 23.1 0.02302 mg/L 0.005639 0.02302 mg/L 0.005639 24.50%
QC value within limits for Tl 190.801 Recovery = 115.08%
V 292.402† 6018.4 0.05196 mg/L 0.000919 0.05196 mg/L 0.000919 1.77%
QC value within limits for V 292.402 Recovery = 103.91%
Zn 206.200† 1304.0 0.05316 mg/L 0.000615 0.05316 mg/L 0.000615 1.16%
QC value within limits for Zn 206.200 Recovery = 106.31%
Cd 226.502† 240.6 0.00544 mg/L 0.000092 0.00544 mg/L 0.000092 1.69%
QC value within limits for Cd 226.502 Recovery = 108.72%
Ti 334.940† 11501.3 0.01996 mg/L 0.000455 0.01996 mg/L 0.000455 2.28%
QC value within limits for Ti 334.940 Recovery = 99.81%
Ca 227.546† 127.3 0.75115 mg/L 0.065775 0.75115 mg/L 0.065775 8.76%
QC value within limits for Ca 227.546 Recovery = 93.89%
Na 589.592 7394.5 1.0815 mg/L 0.00389 1.0815 mg/L 0.00389 0.36%
QC value within limits for Na 589.592 Recovery = 108.15%
K 766.490 2230.3 1.0829 mg/L 0.02882 1.0829 mg/L 0.02882 2.66%
QC value within limits for K 766.490 Recovery = 108.29%
All analyte(s) passed QC.

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Sequence No.: 8 **Autosampler Location: 5**
Sample ID: ICSA **Date Collected: 7/15/2014 11:30:47 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:35 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1690409.8	87.497	%	0.7855				0.90%
Lu 261.542	1071047.7	87.17	%	0.766				0.88%
Ag 328.068†	-24.1	0.00350	mg/L	0.000081	0.00350	mg/L	0.000081	2.30%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	11028767.9	530.20	mg/L	0.254	530.20	mg/L	0.254	0.05%
QC value within limits for Al 308.215 Recovery = 106.04%								
As 188.979†	-36.6	-0.01280	mg/L	0.003713	-0.01280	mg/L	0.003713	29.01%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	323.3	0.00404	mg/L	0.000117	0.00404	mg/L	0.000117	2.90%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	2.4	-0.00001	mg/L	0.000023	-0.00001	mg/L	0.000023	326.50%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	80.0	0.00249	mg/L	0.000464	0.00249	mg/L	0.000464	18.60%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	126.0	0.00189	mg/L	0.000168	0.00189	mg/L	0.000168	8.86%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-3280.2	-0.00173	mg/L	0.000292	-0.00173	mg/L	0.000292	16.88%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	4327180.8	192.95	mg/L	0.203	192.95	mg/L	0.203	0.11%
QC value within limits for Fe 273.955 Recovery = 96.47%								
Mg 279.077†	7853377.7	501.70	mg/L	0.835	501.70	mg/L	0.835	0.17%
QC value within limits for Mg 279.077 Recovery = 100.34%								
Mn 257.610†	-417.8	-0.00923	mg/L	0.000024	-0.00923	mg/L	0.000024	0.26%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	35.9	-0.00203	mg/L	0.000286	-0.00203	mg/L	0.000286	14.06%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-178.2	0.00782	mg/L	0.001647	0.00782	mg/L	0.001647	21.07%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.8	-0.01356	mg/L	0.005907	-0.01356	mg/L	0.005907	43.57%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-46.8	0.00540	mg/L	0.008819	0.00540	mg/L	0.008819	163.22%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	-23.0	0.01064	mg/L	0.007278	0.01064	mg/L	0.007278	68.40%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-1283.9	0.00022	mg/L	0.000165	0.00022	mg/L	0.000165	73.17%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	250.6	-0.00464	mg/L	0.000306	-0.00464	mg/L	0.000306	6.61%
QC value within limits for Zn 206.200 Recovery = Not calculated								

Cd 226.502†	644.7	0.00621 mg/L	0.000152	0.00621 mg/L	0.000152	2.44%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Ti 334.940†	-2483.9	-0.01666 mg/L	0.000051	-0.01666 mg/L	0.000051	0.31%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ca 227.546†	91026.5	546.85 mg/L	5.482	546.85 mg/L	5.482	1.00%
QC value within limits for Ca 227.546 Recovery = 109.37%						
Na 589.592	1557.9	-0.05837 mg/L	0.005502	-0.05837 mg/L	0.005502	9.43%
QC value within limits for Na 589.592 Recovery = Not calculated						
K 766.490	61.5	0.02988 mg/L	0.020798	0.02988 mg/L	0.020798	69.61%
QC value within limits for K 766.490 Recovery = Not calculated						

All analyte(s) passed QC.

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Sequence No.: 9 **Autosampler Location: 6**
Sample ID: ICSAB **Date Collected: 7/15/2014 11:34:30 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:36 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1683333.6	87.131	%	1.1768				1.35%
Lu 261.542	1068051.2	86.92	%	1.153				1.33%
Ag 328.068†	35207.1	0.22262	mg/L	0.002046	0.22262	mg/L	0.002046	0.92%
QC value within limits for Ag 328.068 Recovery = 111.31%								
Al 308.215†	10932786.2	525.58	mg/L	0.372	525.58	mg/L	0.372	0.07%
QC value within limits for Al 308.215 Recovery = 105.12%								
As 188.979†	61.2	0.09440	mg/L	0.004192	0.09440	mg/L	0.004192	4.44%
QC value within limits for As 188.979 Recovery = 94.40%								
Ba 233.527†	42448.2	0.53291	mg/L	0.006017	0.53291	mg/L	0.006017	1.13%
QC value within limits for Ba 233.527 Recovery = 106.58%								
Be 313.107†	1155555.1	0.51065	mg/L	0.000530	0.51065	mg/L	0.000530	0.10%
QC value within limits for Be 313.107 Recovery = 102.13%								
Co 228.616†	15096.7	0.46880	mg/L	0.006127	0.46880	mg/L	0.006127	1.31%
QC value within limits for Co 228.616 Recovery = 93.76%								
Cr 267.716†	32946.4	0.49553	mg/L	0.005041	0.49553	mg/L	0.005041	1.02%
QC value within limits for Cr 267.716 Recovery = 99.11%								
Cu 324.752†	112047.5	0.53468	mg/L	0.005586	0.53468	mg/L	0.005586	1.04%
QC value within limits for Cu 324.752 Recovery = 106.94%								
Fe 273.955†	4298838.0	191.70	mg/L	0.015	191.70	mg/L	0.015	0.01%
QC value within limits for Fe 273.955 Recovery = 95.85%								
Mg 279.077†	7761142.9	495.81	mg/L	0.656	495.81	mg/L	0.656	0.13%
QC value within limits for Mg 279.077 Recovery = 99.16%								
Mn 257.610†	274095.4	0.50209	mg/L	0.005654	0.50209	mg/L	0.005654	1.13%
QC value within limits for Mn 257.610 Recovery = 100.42%								
Ni 231.604†	21979.3	0.91948	mg/L	0.010978	0.91948	mg/L	0.010978	1.19%
QC value within limits for Ni 231.604 Recovery = 91.95%								
Pb 220.353†	2045.5	0.49449	mg/L	0.004370	0.49449	mg/L	0.004370	0.88%
QC value within limits for Pb 220.353 Recovery = 98.90%								
Sb 206.836†	911.3	0.60947	mg/L	0.012370	0.60947	mg/L	0.012370	2.03%
QC value within limits for Sb 206.836 Recovery = 101.58%								
Se 196.026†	250.1	0.49769	mg/L	0.011514	0.49769	mg/L	0.011514	2.31%
QC value within limits for Se 196.026 Recovery = 99.54%								
Tl 190.801	54.1	0.08267	mg/L	0.005215	0.08267	mg/L	0.005215	6.31%
QC value within limits for Tl 190.801 Recovery = 82.67%								
V 292.402†	57955.4	0.51223	mg/L	0.006432	0.51223	mg/L	0.006432	1.26%
QC value within limits for V 292.402 Recovery = 102.45%								
Zn 206.200†	23155.6	0.92977	mg/L	0.011590	0.92977	mg/L	0.011590	1.25%
QC value within limits for Zn 206.200 Recovery = 92.98%								
Cd 226.502†	43034.6	0.96284	mg/L	0.012582	0.96284	mg/L	0.012582	1.31%
QC value within limits for Cd 226.502 Recovery = 96.28%								
Ti 334.940†	-2439.8	-0.01656	mg/L	0.000065	-0.01656	mg/L	0.000065	0.39%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	89925.5	540.11	mg/L	6.768	540.11	mg/L	6.768	1.25%
QC value within limits for Ca 227.546 Recovery = 108.02%								
Na 589.592	175918.4	25.447	mg/L	0.4032	25.447	mg/L	0.4032	1.58%
QC value within limits for Na 589.592 Recovery = 101.79%								
K 766.490	53233.7	25.848	mg/L	0.4240	25.848	mg/L	0.4240	1.64%

QC value within limits for K 766.490 Recovery = 103.39%
All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 11:38:12 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:36 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1862386.7	96.399	%	2.5869				2.68%
Lu 261.542	1192590.8	97.06	%	2.710				2.79%
Ag 328.068†	200446.1	1.2466	mg/L	0.00489	1.2466	mg/L	0.00489	0.39%
QC value within limits for Ag 328.068 Recovery = 99.73%								
Al 308.215†	212514.0	10.188	mg/L	0.0535	10.188	mg/L	0.0535	0.53%
QC value within limits for Al 308.215 Recovery = 101.88%								
As 188.979†	462.2	0.49734	mg/L	0.012150	0.49734	mg/L	0.012150	2.44%
QC value within limits for As 188.979 Recovery = 99.47%								
Ba 233.527†	815712.3	10.232	mg/L	0.0264	10.232	mg/L	0.0264	0.26%
QC value within limits for Ba 233.527 Recovery = 102.32%								
Be 313.107†	563310.2	0.24990	mg/L	0.000446	0.24990	mg/L	0.000446	0.18%
QC value within limits for Be 313.107 Recovery = 99.96%								
Co 228.616†	78070.2	2.4236	mg/L	0.06954	2.4236	mg/L	0.06954	2.87%
QC value within limits for Co 228.616 Recovery = 96.95%								
Cr 267.716†	64789.3	0.97457	mg/L	0.026885	0.97457	mg/L	0.026885	2.76%
QC value within limits for Cr 267.716 Recovery = 97.46%								
Cu 324.752†	271960.5	1.2657	mg/L	0.00625	1.2657	mg/L	0.00625	0.49%
QC value within limits for Cu 324.752 Recovery = 101.25%								
Fe 273.955†	111523.8	5.0650	mg/L	0.14436	5.0650	mg/L	0.14436	2.85%
QC value within limits for Fe 273.955 Recovery = 101.30%								
Mg 279.077†	401050.3	25.618	mg/L	0.0219	25.618	mg/L	0.0219	0.09%
QC value within limits for Mg 279.077 Recovery = 102.47%								
Mn 257.610†	1360892.6	2.5338	mg/L	0.00770	2.5338	mg/L	0.00770	0.30%
QC value within limits for Mn 257.610 Recovery = 101.35%								
Ni 231.604†	59636.0	2.5040	mg/L	0.07113	2.5040	mg/L	0.07113	2.84%
QC value within limits for Ni 231.604 Recovery = 100.16%								
Pb 220.353†	2204.9	0.48374	mg/L	0.013278	0.48374	mg/L	0.013278	2.74%
QC value within limits for Pb 220.353 Recovery = 96.75%								
Sb 206.836†	664.6	0.45191	mg/L	0.015859	0.45191	mg/L	0.015859	3.51%
QC value within limits for Sb 206.836 Recovery = 90.38%								
Se 196.026†	287.0	0.47864	mg/L	0.010877	0.47864	mg/L	0.010877	2.27%
QC value within limits for Se 196.026 Recovery = 95.73%								
Tl 190.801	489.1	0.46944	mg/L	0.006512	0.46944	mg/L	0.006512	1.39%
QC value within limits for Tl 190.801 Recovery = 93.89%								
V 292.402†	293456.2	2.5334	mg/L	0.00371	2.5334	mg/L	0.00371	0.15%
QC value within limits for V 292.402 Recovery = 101.34%								
Zn 206.200†	61626.7	2.5124	mg/L	0.06991	2.5124	mg/L	0.06991	2.78%
QC value within limits for Zn 206.200 Recovery = 100.49%								
Cd 226.502†	10893.0	0.24638	mg/L	0.006789	0.24638	mg/L	0.006789	2.76%
QC value within limits for Cd 226.502 Recovery = 98.55%								
Ti 334.940†	287541.0	0.49854	mg/L	0.001066	0.49854	mg/L	0.001066	0.21%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4010.8	23.454	mg/L	0.5679	23.454	mg/L	0.5679	2.42%
QC value within limits for Ca 227.546 Recovery = 93.81%								
Na 589.592	177357.5	25.936	mg/L	0.2264	25.936	mg/L	0.2264	0.87%
QC value within limits for Na 589.592 Recovery = 103.74%								
K 766.490	52837.6	25.655	mg/L	0.1998	25.655	mg/L	0.1998	0.78%
QC value within limits for K 766.490 Recovery = 102.62%								

All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 11:41:54 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:37 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**

Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1923689.9	99.572	%	1.1983				1.20%
Lu 261.542	1225434.6	99.73	%	1.301				1.30%
Ag 328.068†	-30.0	-0.00019	mg/L	0.000481	-0.00019	mg/L	0.000481	258.05%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	280.1	0.01346	mg/L	0.001143	0.01346	mg/L	0.001143	8.49%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	6.3	0.00669	mg/L	0.001533	0.00669	mg/L	0.001533	22.91%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	59.9	0.00075	mg/L	0.000097	0.00075	mg/L	0.000097	12.93%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	110.4	0.00005	mg/L	0.000028	0.00005	mg/L	0.000028	57.44%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	-0.3	-0.00001	mg/L	0.000079	-0.00001	mg/L	0.000079	765.40%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	7.6	0.00011	mg/L	0.000082	0.00011	mg/L	0.000082	71.67%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	118.6	0.00055	mg/L	0.000322	0.00055	mg/L	0.000322	58.44%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	106.5	0.00475	mg/L	0.000827	0.00475	mg/L	0.000827	17.42%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	150.1	0.00959	mg/L	0.004493	0.00959	mg/L	0.004493	46.84%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	84.3	0.00016	mg/L	0.000035	0.00016	mg/L	0.000035	22.14%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	2.5	0.00010	mg/L	0.000145	0.00010	mg/L	0.000145	139.76%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-3.2	-0.00070	mg/L	0.000478	-0.00070	mg/L	0.000478	68.63%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.6	0.00319	mg/L	0.001506	0.00319	mg/L	0.001506	47.20%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.2	0.00031	mg/L	0.007774	0.00031	mg/L	0.007774	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	0.6	0.00059	mg/L	0.001502	0.00059	mg/L	0.001502	254.05%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-12.8	-0.00011	mg/L	0.000536	-0.00011	mg/L	0.000536	488.50%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	16.1	0.00065	mg/L	0.000174	0.00065	mg/L	0.000174	26.55%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	-1.6	-0.00004	mg/L	0.000132	-0.00004	mg/L	0.000132	373.07%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	48.6	0.00008	mg/L	0.000058	0.00008	mg/L	0.000058	68.03%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	7.9	0.04702	mg/L	0.058254	0.04702	mg/L	0.058254	123.88%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	180.2	0.02635	mg/L	0.004000	0.02635	mg/L	0.004000	15.18%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	98.5	0.04783	mg/L	0.035783	0.04783	mg/L	0.035783	74.82%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 12 **Autosampler Location: 45**
Sample ID: N1175-01A~RS-BF-A119-070 **Date Collected: 7/15/2014 11:45:33 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:38 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1175-01A~RS-BF-A119-070

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1976328.5	102.30	%	0.775				0.76%
Lu 261.542	1231527.1	100.2	%	0.73				0.72%
Ag 328.068†	-216.3	-0.00096	mg/L	0.000243	-0.00096	mg/L	0.000243	25.40%

Al 308.215†	865813.5	41.634	mg/L	0.0474	41.634	mg/L	0.0474	0.11%
As 188.979†	11.1	0.01373	mg/L	0.004483	0.01373	mg/L	0.004483	32.65%
Ba 233.527†	8561.1	0.10753	mg/L	0.001750	0.10753	mg/L	0.001750	1.63%
Be 313.107†	-37191.6	-0.00266	mg/L	0.000247	-0.00266	mg/L	0.000247	9.30%
Co 228.616†	629.0	0.00352	mg/L	0.000370	0.00352	mg/L	0.000370	10.51%
Cr 267.716†	7662.4	0.11522	mg/L	0.002236	0.11522	mg/L	0.002236	1.94%
Cu 324.752†	2253.9	0.01150	mg/L	0.000283	0.01150	mg/L	0.000283	2.46%
Fe 273.955†	318376.8	14.203	mg/L	0.2169	14.203	mg/L	0.2169	1.53%
Mg 279.077†	7181.4	0.46565	mg/L	0.004150	0.46565	mg/L	0.004150	0.89%
Mn 257.610†	124797.9	0.23283	mg/L	0.003697	0.23283	mg/L	0.003697	1.59%
Ni 231.604†	268.2	0.00670	mg/L	0.000176	0.00670	mg/L	0.000176	2.63%
Pb 220.353†	806.3	0.18476	mg/L	0.002303	0.18476	mg/L	0.002303	1.25%
Sb 206.836†	-3.3	0.00020	mg/L	0.003967	0.00020	mg/L	0.003967	>999.9%
Se 196.026†	-3.7	0.00154	mg/L	0.007403	0.00154	mg/L	0.007403	479.43%
Tl 190.801	2.6	-0.00727	mg/L	0.004836	-0.00727	mg/L	0.004836	66.49%
V 292.402†	17010.8	0.13983	mg/L	0.002151	0.13983	mg/L	0.002151	1.54%
Zn 206.200†	484.0	0.01892	mg/L	0.000362	0.01892	mg/L	0.000362	1.91%
Cd 226.502†	42.5	0.00035	mg/L	0.000117	0.00035	mg/L	0.000117	33.51%
Ti 334.940†	4520637.5	7.8524	mg/L	0.01501	7.8524	mg/L	0.01501	0.19%
Ca 227.546†	-3.0	0.13759	mg/L	0.055749	0.13759	mg/L	0.055749	40.52%
Na 589.592	522.1	0.05390	mg/L	0.006051	0.05390	mg/L	0.006051	11.23%
K 766.490	6585.8	3.1977	mg/L	0.02357	3.1977	mg/L	0.02357	0.74%

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Sequence No.: 13 **Autosampler Location: 46**
Sample ID: N1175-02A~RS-BF-A120-070 **Date Collected: 7/15/2014 11:49:15 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:39 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1175-02A~RS-BF-A120-070

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1940157.8	100.42	%	1.310				1.30%
Lu 261.542	1229739.1	100.1	%	1.29				1.29%
Ag 328.068†	-145.2	-0.00067	mg/L	0.000818	-0.00067	mg/L	0.000818	121.85%
Al 308.215†	463469.3	22.287	mg/L	0.0147	22.287	mg/L	0.0147	0.07%
As 188.979†	4.9	0.00643	mg/L	0.003288	0.00643	mg/L	0.003288	51.16%
Ba 233.527†	4534.6	0.05696	mg/L	0.001313	0.05696	mg/L	0.001313	2.30%
Be 313.107†	-19721.6	-0.00137	mg/L	0.000168	-0.00137	mg/L	0.000168	12.30%
Co 228.616†	331.1	0.00175	mg/L	0.000136	0.00175	mg/L	0.000136	7.80%
Cr 267.716†	4382.6	0.06590	mg/L	0.001559	0.06590	mg/L	0.001559	2.37%
Cu 324.752†	1467.0	0.00745	mg/L	0.000583	0.00745	mg/L	0.000583	7.82%
Fe 273.955†	197492.3	8.8103	mg/L	0.00413	8.8103	mg/L	0.00413	0.05%
Mg 279.077†	4453.7	0.28879	mg/L	0.005634	0.28879	mg/L	0.005634	1.95%
Mn 257.610†	70592.6	0.13169	mg/L	0.002263	0.13169	mg/L	0.002263	1.72%
Ni 231.604†	198.6	0.00591	mg/L	0.000093	0.00591	mg/L	0.000093	1.57%
Pb 220.353†	432.7	0.09907	mg/L	0.002240	0.09907	mg/L	0.002240	2.26%
Sb 206.836†	-3.6	-0.00122	mg/L	0.003074	-0.00122	mg/L	0.003074	250.94%
Se 196.026†	-3.9	-0.00192	mg/L	0.006032	-0.00192	mg/L	0.006032	314.56%
Tl 190.801	-0.0	-0.00523	mg/L	0.004157	-0.00523	mg/L	0.004157	79.49%
V 292.402†	9174.1	0.07553	mg/L	0.001955	0.07553	mg/L	0.001955	2.59%
Zn 206.200†	297.9	0.01169	mg/L	0.000422	0.01169	mg/L	0.000422	3.61%
Cd 226.502†	22.8	0.00014	mg/L	0.000097	0.00014	mg/L	0.000097	70.86%
Ti 334.940†	2409931.3	4.1861	mg/L	0.00570	4.1861	mg/L	0.00570	0.14%
Ca 227.546†	46.2	0.37274	mg/L	0.058224	0.37274	mg/L	0.058224	15.62%
Na 589.592	674.4	0.08661	mg/L	0.000832	0.08661	mg/L	0.000832	0.96%
K 766.490	3204.6	1.5560	mg/L	0.02242	1.5560	mg/L	0.02242	1.44%

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Sequence No.: 14 **Autosampler Location: 47**
Sample ID: N1175-03A~RS-BF-A121-070 **Date Collected: 7/15/2014 11:52:55 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:40 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1175-03A~RS-BF-A121-070

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1927705.7	99.780	%	0.6117				0.61%
Lu 261.542	1222983.2	99.53	%	0.596				0.60%
Ag 328.068†	-103.6	-0.00012	mg/L	0.000480	-0.00012	mg/L	0.000480	410.33%
Al 308.215†	842922.3	40.534	mg/L	0.0269	40.534	mg/L	0.0269	0.07%
As 188.979†	5.0	0.00808	mg/L	0.003482	0.00808	mg/L	0.003482	43.11%
Ba 233.527†	3966.6	0.04986	mg/L	0.000528	0.04986	mg/L	0.000528	1.06%
Be 313.107†	-10729.8	-0.00054	mg/L	0.000017	-0.00054	mg/L	0.000017	3.18%
Co 228.616†	210.8	0.00167	mg/L	0.000185	0.00167	mg/L	0.000185	11.07%
Cr 267.716†	5555.0	0.08356	mg/L	0.000832	0.08356	mg/L	0.000832	1.00%
Cu 324.752†	2969.1	0.01548	mg/L	0.000655	0.01548	mg/L	0.000655	4.23%
Fe 273.955†	529431.0	23.617	mg/L	0.0404	23.617	mg/L	0.0404	0.17%
Mg 279.077†	6098.4	0.40110	mg/L	0.007036	0.40110	mg/L	0.007036	1.75%
Mn 257.610†	43241.0	0.08093	mg/L	0.000623	0.08093	mg/L	0.000623	0.77%
Ni 231.604†	211.9	0.00750	mg/L	0.000303	0.00750	mg/L	0.000303	4.04%
Pb 220.353†	350.5	0.08103	mg/L	0.000462	0.08103	mg/L	0.000462	0.57%
Sb 206.836†	-1.3	-0.00262	mg/L	0.002265	-0.00262	mg/L	0.002265	86.54%
Se 196.026†	-7.8	-0.00152	mg/L	0.007687	-0.00152	mg/L	0.007687	505.36%
Tl 190.801	2.9	0.00089	mg/L	0.002137	0.00089	mg/L	0.002137	240.77%
V 292.402†	11267.6	0.09632	mg/L	0.000993	0.09632	mg/L	0.000993	1.03%
Zn 206.200†	329.7	0.01230	mg/L	0.000096	0.01230	mg/L	0.000096	0.78%
Cd 226.502†	61.8	0.00038	mg/L	0.000174	0.00038	mg/L	0.000174	46.00%
Ti 334.940†	1377583.9	2.3929	mg/L	0.00275	2.3929	mg/L	0.00275	0.12%
Ca 227.546†	63.6	0.64206	mg/L	0.127086	0.64206	mg/L	0.127086	19.79%
Na 589.592	291.2	0.02071	mg/L	0.018543	0.02071	mg/L	0.018543	89.53%
K 766.490	3120.5	1.5152	mg/L	0.02137	1.5152	mg/L	0.02137	1.41%

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Sequence No.: 15 **Autosampler Location: 55**
Sample ID: N1176-08A~SB-07-03-07071 **Date Collected: 7/15/2014 11:57:33 AM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:40 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-08A~SB-07-03-07071

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1845436.3	95.521	%	0.9021				0.94%
Lu 261.542	933014.1	75.93	%	0.746				0.98%
Ag 328.068†	867.2	0.01237	mg/L	0.000432	0.01237	mg/L	0.000432	3.49%
Al 308.215†	16833711.6	808.31	mg/L	7.199	808.31	mg/L	7.199	0.89%
Concentration greater than upper limit for Al 308.215.								
As 188.979†	-61.4	0.05925	mg/L	0.010431	0.05925	mg/L	0.010431	17.61%
Ba 233.527†	639828.2	8.0237	mg/L	0.09180	8.0237	mg/L	0.09180	1.14%
Be 313.107†	346414.0	0.16955	mg/L	0.001789	0.16955	mg/L	0.001789	1.06%
Co 228.616†	840.9	0.00698	mg/L	0.000182	0.00698	mg/L	0.000182	2.61%
Cr 267.716†	5273.0	0.05341	mg/L	0.000477	0.05341	mg/L	0.000477	0.89%
Cu 324.752†	351.6	0.02721	mg/L	0.000275	0.02721	mg/L	0.000275	1.01%
Fe 273.955†	8173733.7	364.51	mg/L	0.834	364.51	mg/L	0.834	0.23%
Mg 279.077†	6574768.4	420.12	mg/L	1.090	420.12	mg/L	1.090	0.26%
Mn 257.610†	38264718.7	71.311	mg/L	0.6689	71.311	mg/L	0.6689	0.94%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	452.8	0.01063	mg/L	0.000233	0.01063	mg/L	0.000233	2.19%
Pb 220.353†	-311.0	0.04992	mg/L	0.003305	0.04992	mg/L	0.003305	6.62%
Sb 206.836†	-25.8	-0.00182	mg/L	0.003445	-0.00182	mg/L	0.003445	189.65%
Se 196.026†	-3.8	0.00448	mg/L	0.007653	0.00448	mg/L	0.007653	170.88%
Tl 190.801	-107.6	-0.00973	mg/L	0.010246	-0.00973	mg/L	0.010246	105.35%
V 292.402†	9795.5	0.09644	mg/L	0.000677	0.09644	mg/L	0.000677	0.70%
Zn 206.200†	1203.7	0.02467	mg/L	0.000920	0.02467	mg/L	0.000920	3.73%
Cd 226.502†	1258.8	0.01266	mg/L	0.000061	0.01266	mg/L	0.000061	0.48%
Ti 334.940†	5403388.0	9.4425	mg/L	0.01401	9.4425	mg/L	0.01401	0.15%
Ca 227.546†	876960.4	5250.8	mg/L	60.88	5250.8	mg/L	60.88	1.16%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	219315.3	31.642	mg/L	0.0589	31.642	mg/L	0.0589	0.19%
K 766.490	109364.9	53.102	mg/L	0.1823	53.102	mg/L	0.1823	0.34%

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Sequence No.: 16 **Autosampler Location: 98**

Sample ID: N1176-03A~SB-03-10-07 20X **Date Collected: 7/15/2014 12:01:32 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:41 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-03A~SB-03-10-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1864669.8	96.517	%	0.5083				0.53%
Lu 261.542	1181387.2	96.15	%	0.492				0.51%
Ag 328.068†	32.8	0.00175	mg/L	0.000280	0.00175	mg/L	0.000280	16.00%
Al 308.215†	392278.0	18.829	mg/L	0.2314	18.829	mg/L	0.2314	1.23%
As 188.979†	-3.6	0.00708	mg/L	0.002397	0.00708	mg/L	0.002397	33.86%
Ba 233.527†	12713.4	0.15946	mg/L	0.001779	0.15946	mg/L	0.001779	1.12%
Be 313.107†	8232.2	0.00436	mg/L	0.000056	0.00436	mg/L	0.000056	1.30%
Co 228.616†	233.4	0.00641	mg/L	0.000050	0.00641	mg/L	0.000050	0.78%
Cr 267.716†	3437.9	0.05018	mg/L	0.000279	0.05018	mg/L	0.000279	0.56%
Cu 324.752†	9158.1	0.04823	mg/L	0.000697	0.04823	mg/L	0.000697	1.44%
Fe 273.955†	1798867.1	80.246	mg/L	0.1327	80.246	mg/L	0.1327	0.17%
Mg 279.077†	561204.9	35.884	mg/L	0.0862	35.884	mg/L	0.0862	0.24%
Mn 257.610†	2266785.7	4.2221	mg/L	0.00719	4.2221	mg/L	0.00719	0.17%
Ni 231.604†	601.8	0.02478	mg/L	0.000250	0.02478	mg/L	0.000250	1.01%
Pb 220.353†	513.5	0.11231	mg/L	0.002211	0.11231	mg/L	0.002211	1.97%
Sb 206.836†	0.9	-0.00088	mg/L	0.004294	-0.00088	mg/L	0.004294	485.43%
Se 196.026†	-16.4	-0.00060	mg/L	0.002896	-0.00060	mg/L	0.002896	481.88%
Tl 190.801	-2.7	0.00422	mg/L	0.002225	0.00422	mg/L	0.002225	52.71%
V 292.402†	3009.8	0.03035	mg/L	0.000431	0.03035	mg/L	0.000431	1.42%
Zn 206.200†	6969.4	0.28144	mg/L	0.001004	0.28144	mg/L	0.001004	0.36%
Cd 226.502†	259.8	0.00240	mg/L	0.000056	0.00240	mg/L	0.000056	2.35%
Ti 334.940†	235900.1	0.41035	mg/L	0.004760	0.41035	mg/L	0.004760	1.16%
Ca 227.546†	24238.9	145.89	mg/L	1.876	145.89	mg/L	1.876	1.29%
Na 589.592	5307.3	0.76611	mg/L	0.004023	0.76611	mg/L	0.004023	0.53%
K 766.490	3827.4	1.8584	mg/L	0.05130	1.8584	mg/L	0.05130	2.76%

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Sequence No.: 17 **Autosampler Location: 99**
Sample ID: N1176-04A~SB-04-10-07 20X **Date Collected: 7/15/2014 12:05:13 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:42 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-04A~SB-04-10-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1878624.1	97.239	%	0.2964				0.30%
Lu 261.542	1185813.1	96.51	%	0.369				0.38%
Ag 328.068†	219.8	0.00604	mg/L	0.000639	0.00604	mg/L	0.000639	10.58%
Al 308.215†	345775.6	16.606	mg/L	0.0804	16.606	mg/L	0.0804	0.48%
As 188.979†	9.2	0.03705	mg/L	0.002510	0.03705	mg/L	0.002510	6.77%
Ba 233.527†	12031.8	0.15092	mg/L	0.000523	0.15092	mg/L	0.000523	0.35%
Be 313.107†	4974.3	0.00312	mg/L	0.000014	0.00312	mg/L	0.000014	0.44%
Co 228.616†	662.4	0.01949	mg/L	0.000104	0.01949	mg/L	0.000104	0.53%
Cr 267.716†	6144.4	0.09062	mg/L	0.000760	0.09062	mg/L	0.000760	0.84%
Cu 324.752†	17820.0	0.10007	mg/L	0.000422	0.10007	mg/L	0.000422	0.42%
Fe 273.955†	5494376.3	245.11	mg/L	0.513	245.11	mg/L	0.513	0.21%
Mg 279.077†	365102.9	23.440	mg/L	0.0453	23.440	mg/L	0.0453	0.19%
Mn 257.610†	2662944.1	4.9598	mg/L	0.01178	4.9598	mg/L	0.01178	0.24%
Ni 231.604†	1410.3	0.05877	mg/L	0.000135	0.05877	mg/L	0.000135	0.23%
Pb 220.353†	839.4	0.17541	mg/L	0.001550	0.17541	mg/L	0.001550	0.88%
Sb 206.836†	10.9	0.00001	mg/L	0.003395	0.00001	mg/L	0.003395	>999.9%
Se 196.026†	-51.0	0.00903	mg/L	0.009599	0.00903	mg/L	0.009599	106.35%
Tl 190.801	-26.7	-0.00844	mg/L	0.003532	-0.00844	mg/L	0.003532	41.85%
V 292.402†	3431.3	0.04360	mg/L	0.000961	0.04360	mg/L	0.000961	2.20%
Zn 206.200†	18066.0	0.72899	mg/L	0.004348	0.72899	mg/L	0.004348	0.60%
Cd 226.502†	794.5	0.00736	mg/L	0.000052	0.00736	mg/L	0.000052	0.71%
Ti 334.940†	303403.6	0.52734	mg/L	0.001434	0.52734	mg/L	0.001434	0.27%
Ca 227.546†	15160.3	93.351	mg/L	0.3999	93.351	mg/L	0.3999	0.43%

Na 589.592	6805.1	0.98639	mg/L	0.024500	0.98639	mg/L	0.024500	2.48%
K 766.490	5100.6	2.4766	mg/L	0.15398	2.4766	mg/L	0.15398	6.22%

Sequence No.: 18 **Autosampler Location: 100**
Sample ID: N1176-05A~SB-05-10-07 20X **Date Collected: 7/15/2014 12:08:58 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:42 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-05A~SB-05-10-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1867868.2	96.682	%	1.4790				1.53%
Lu 261.542	1181869.2	96.19	%	1.499				1.56%
Ag 328.068†	-71.2	0.00085	mg/L	0.000522	0.00085	mg/L	0.000522	61.43%
Al 308.215†	364239.9	17.488	mg/L	0.3638	17.488	mg/L	0.3638	2.08%
As 188.979†	-3.2	0.00530	mg/L	0.005361	0.00530	mg/L	0.005361	101.10%
Ba 233.527†	13230.8	0.16593	mg/L	0.003446	0.16593	mg/L	0.003446	2.08%
Be 313.107†	8201.0	0.00431	mg/L	0.000068	0.00431	mg/L	0.000068	1.58%
Co 228.616†	99.1	0.00228	mg/L	0.000382	0.00228	mg/L	0.000382	16.72%
Cr 267.716†	698.9	0.00909	mg/L	0.000140	0.00909	mg/L	0.000140	1.54%
Cu 324.752†	1173.5	0.01021	mg/L	0.000364	0.01021	mg/L	0.000364	3.56%
Fe 273.955†	1520429.4	67.825	mg/L	0.0524	67.825	mg/L	0.0524	0.08%
Mg 279.077†	423064.6	27.055	mg/L	0.0047	27.055	mg/L	0.0047	0.02%
Mn 257.610†	2103805.3	3.9186	mg/L	0.00689	3.9186	mg/L	0.00689	0.18%
Ni 231.604†	115.9	0.00445	mg/L	0.000290	0.00445	mg/L	0.000290	6.50%
Pb 220.353†	64.9	0.01414	mg/L	0.001538	0.01414	mg/L	0.001538	10.87%
Sb 206.836†	0.5	-0.00067	mg/L	0.001514	-0.00067	mg/L	0.001514	227.07%
Se 196.026†	-19.9	-0.01047	mg/L	0.008998	-0.01047	mg/L	0.008998	85.93%
Tl 190.801	-3.4	0.00189	mg/L	0.002432	0.00189	mg/L	0.002432	128.44%
V 292.402†	772.3	0.01025	mg/L	0.000456	0.01025	mg/L	0.000456	4.45%
Zn 206.200†	1309.6	0.05119	mg/L	0.001060	0.05119	mg/L	0.001060	2.07%
Cd 226.502†	195.9	0.00149	mg/L	0.000113	0.00149	mg/L	0.000113	7.58%
Ti 334.940†	224891.9	0.39118	mg/L	0.007853	0.39118	mg/L	0.007853	2.01%
Ca 227.546†	19262.1	115.98	mg/L	2.181	115.98	mg/L	2.181	1.88%
Na 589.592	5252.8	0.75886	mg/L	0.020289	0.75886	mg/L	0.020289	2.67%
K 766.490	4894.2	2.3764	mg/L	0.04896	2.3764	mg/L	0.04896	2.06%

Sequence No.: 19 **Autosampler Location: 101**
Sample ID: N1176-06A~SB-06-10-07 20X **Date Collected: 7/15/2014 12:12:40 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:43 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-06A~SB-06-10-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1884441.0	97.540	%	1.1484				1.18%
Lu 261.542	1193807.2	97.16	%	1.162				1.20%
Ag 328.068†	428.5	0.00836	mg/L	0.000653	0.00836	mg/L	0.000653	7.81%
Al 308.215†	214092.3	10.284	mg/L	0.2683	10.284	mg/L	0.2683	2.61%
As 188.979†	-5.5	0.02773	mg/L	0.004059	0.02773	mg/L	0.004059	14.64%
Ba 233.527†	10518.5	0.13193	mg/L	0.003841	0.13193	mg/L	0.003841	2.91%
Be 313.107†	2172.6	0.00184	mg/L	0.000044	0.00184	mg/L	0.000044	2.37%
Co 228.616†	685.7	0.02025	mg/L	0.000574	0.02025	mg/L	0.000574	2.84%
Cr 267.716†	18422.5	0.27493	mg/L	0.007126	0.27493	mg/L	0.007126	2.59%
Cu 324.752†	95539.1	0.46535	mg/L	0.010159	0.46535	mg/L	0.010159	2.18%
Fe 273.955†	6703937.7	299.07	mg/L	0.172	299.07	mg/L	0.172	0.06%
Mg 279.077†	190010.9	12.283	mg/L	0.3545	12.283	mg/L	0.3545	2.89%
Mn 257.610†	3169492.8	5.9032	mg/L	0.00146	5.9032	mg/L	0.00146	0.02%
Ni 231.604†	4331.3	0.18151	mg/L	0.002357	0.18151	mg/L	0.002357	1.30%
Pb 220.353†	4027.3	0.87050	mg/L	0.011198	0.87050	mg/L	0.011198	1.29%
Sb 206.836†	13.3	-0.00276	mg/L	0.003192	-0.00276	mg/L	0.003192	115.84%
Se 196.026†	-69.2	0.00090	mg/L	0.015694	0.00090	mg/L	0.015694	>999.9%
Tl 190.801	-25.7	-0.00497	mg/L	0.006204	-0.00497	mg/L	0.006204	124.85%

V 292.402†	2908.5	0.04266 mg/L	0.001262	0.04266 mg/L	0.001262	2.96%
Zn 206.200†	37688.1	1.5273 mg/L	0.04619	1.5273 mg/L	0.04619	3.02%
Cd 226.502†	1066.6	0.01120 mg/L	0.001043	0.01120 mg/L	0.001043	9.31%
Ti 334.940†	289518.5	0.50298 mg/L	0.000200	0.50298 mg/L	0.000200	0.04%
Ca 227.546†	7543.8	48.360 mg/L	0.4957	48.360 mg/L	0.4957	1.03%
Na 589.592	2739.7	0.39517 mg/L	0.009633	0.39517 mg/L	0.009633	2.44%
K 766.490	6192.6	3.0069 mg/L	0.00810	3.0069 mg/L	0.00810	0.27%

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Sequence No.: 20 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 12:16:24 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:44 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1864415.5	96.504	%	0.7588				0.79%
Lu 261.542	1194282.2	97.20	%	0.795				0.82%
Ag 328.068†	201000.7	1.2500	mg/L	0.00235	1.2500	mg/L	0.00235	0.19%
QC value within limits for Ag 328.068 Recovery = 100.00%								
Al 308.215†	212888.9	10.206	mg/L	0.0163	10.206	mg/L	0.0163	0.16%
QC value within limits for Al 308.215 Recovery = 102.06%								
As 188.979†	469.8	0.50536	mg/L	0.004767	0.50536	mg/L	0.004767	0.94%
QC value within limits for As 188.979 Recovery = 101.07%								
Ba 233.527†	820031.7	10.286	mg/L	0.0120	10.286	mg/L	0.0120	0.12%
QC value within limits for Ba 233.527 Recovery = 102.86%								
Be 313.107†	566966.6	0.25152	mg/L	0.000047	0.25152	mg/L	0.000047	0.02%
QC value within limits for Be 313.107 Recovery = 100.61%								
Co 228.616†	78655.2	2.4418	mg/L	0.06329	2.4418	mg/L	0.06329	2.59%
QC value within limits for Co 228.616 Recovery = 97.67%								
Cr 267.716†	65233.3	0.98125	mg/L	0.025770	0.98125	mg/L	0.025770	2.63%
QC value within limits for Cr 267.716 Recovery = 98.12%								
Cu 324.752†	272771.2	1.2694	mg/L	0.00245	1.2694	mg/L	0.00245	0.19%
QC value within limits for Cu 324.752 Recovery = 101.56%								
Fe 273.955†	112615.4	5.1141	mg/L	0.12278	5.1141	mg/L	0.12278	2.40%
QC value within limits for Fe 273.955 Recovery = 102.28%								
Mg 279.077†	404091.8	25.812	mg/L	0.0461	25.812	mg/L	0.0461	0.18%
QC value within limits for Mg 279.077 Recovery = 103.25%								
Mn 257.610†	1367749.9	2.5466	mg/L	0.00170	2.5466	mg/L	0.00170	0.07%
QC value within limits for Mn 257.610 Recovery = 101.86%								
Ni 231.604†	60169.0	2.5264	mg/L	0.06770	2.5264	mg/L	0.06770	2.68%
QC value within limits for Ni 231.604 Recovery = 101.05%								
Pb 220.353†	2230.4	0.48933	mg/L	0.002812	0.48933	mg/L	0.002812	0.57%
QC value within limits for Pb 220.353 Recovery = 97.87%								
Sb 206.836†	666.3	0.45299	mg/L	0.006568	0.45299	mg/L	0.006568	1.45%
QC value within limits for Sb 206.836 Recovery = 90.60%								
Se 196.026†	292.2	0.48722	mg/L	0.002484	0.48722	mg/L	0.002484	0.51%
QC value within limits for Se 196.026 Recovery = 97.44%								
Tl 190.801	490.9	0.47108	mg/L	0.002295	0.47108	mg/L	0.002295	0.49%
QC value within limits for Tl 190.801 Recovery = 94.22%								
V 292.402†	294712.8	2.5443	mg/L	0.00176	2.5443	mg/L	0.00176	0.07%
QC value within limits for V 292.402 Recovery = 101.77%								
Zn 206.200†	62154.2	2.5339	mg/L	0.06811	2.5339	mg/L	0.06811	2.69%
QC value within limits for Zn 206.200 Recovery = 101.35%								
Cd 226.502†	10983.0	0.24842	mg/L	0.005929	0.24842	mg/L	0.005929	2.39%
QC value within limits for Cd 226.502 Recovery = 99.37%								
Ti 334.940†	289321.3	0.50163	mg/L	0.000924	0.50163	mg/L	0.000924	0.18%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4034.6	23.592	mg/L	0.1013	23.592	mg/L	0.1013	0.43%
QC value within limits for Ca 227.546 Recovery = 94.37%								
Na 589.592	180528.5	26.400	mg/L	0.1788	26.400	mg/L	0.1788	0.68%
QC value within limits for Na 589.592 Recovery = 105.60%								
K 766.490	53812.3	26.129	mg/L	0.1657	26.129	mg/L	0.1657	0.63%
QC value within limits for K 766.490 Recovery = 104.52%								

All analyte(s) passed QC.

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Sequence No.: 21 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 12:20:07 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:44 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1891791.2	97.921	%	0.8772				0.90%
Lu 261.542	1202679.1	97.88	%	0.940				0.96%
Ag 328.068†	-34.4	-0.00021	mg/L	0.000945	-0.00021	mg/L	0.000945	443.06%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	259.9	0.01250	mg/L	0.002986	0.01250	mg/L	0.002986	23.88%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.6	0.00379	mg/L	0.002933	0.00379	mg/L	0.002933	77.33%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	60.4	0.00076	mg/L	0.000145	0.00076	mg/L	0.000145	19.13%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	25.6	0.00001	mg/L	0.000025	0.00001	mg/L	0.000025	215.09%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	2.6	0.00008	mg/L	0.000202	0.00008	mg/L	0.000202	248.52%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	11.4	0.00017	mg/L	0.000192	0.00017	mg/L	0.000192	111.34%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	129.6	0.00060	mg/L	0.000393	0.00060	mg/L	0.000393	65.18%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	108.4	0.00484	mg/L	0.000992	0.00484	mg/L	0.000992	20.51%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	51.3	0.00328	mg/L	0.005658	0.00328	mg/L	0.005658	172.55%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	180.6	0.00034	mg/L	0.000043	0.00034	mg/L	0.000043	12.88%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	10.2	0.00043	mg/L	0.000239	0.00043	mg/L	0.000239	55.83%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.8	0.00018	mg/L	0.002101	0.00018	mg/L	0.002101	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	7.8	0.00539	mg/L	0.002688	0.00539	mg/L	0.002688	49.83%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-5.1	-0.00841	mg/L	0.006764	-0.00841	mg/L	0.006764	80.47%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	3.3	0.00341	mg/L	0.003322	0.00341	mg/L	0.003322	97.53%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	7.9	0.00007	mg/L	0.000387	0.00007	mg/L	0.000387	566.55%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	2.0	0.00008	mg/L	0.000250	0.00008	mg/L	0.000250	299.70%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	-3.2	-0.00007	mg/L	0.000070	-0.00007	mg/L	0.000070	95.69%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	54.3	0.00009	mg/L	0.000037	0.00009	mg/L	0.000037	39.07%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	-5.0	-0.02994	mg/L	0.060422	-0.02994	mg/L	0.060422	201.83%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	80.2	0.01173	mg/L	0.012042	0.01173	mg/L	0.012042	102.67%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	24.4	0.01183	mg/L	0.022218	0.01183	mg/L	0.022218	187.83%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 22 **Autosampler Location: 102**
Sample ID: N1176-07A~FD-01-0707 20X **Date Collected: 7/15/2014 12:23:46 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:45 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-07A~FD-01-0707 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1884710.9	97.554	%	0.2221				0.23%
Lu 261.542	1190923.1	96.92	%	0.249				0.26%
Ag 328.068†	238.0	0.00527	mg/L	0.000263	0.00527	mg/L	0.000263	5.00%
Al 308.215†	433478.6	20.819	mg/L	0.2078	20.819	mg/L	0.2078	1.00%
As 188.979†	-0.9	0.02233	mg/L	0.000609	0.02233	mg/L	0.000609	2.73%
Ba 233.527†	21660.2	0.27164	mg/L	0.002351	0.27164	mg/L	0.002351	0.87%
Be 313.107†	9422.9	0.00483	mg/L	0.000065	0.00483	mg/L	0.000065	1.35%
Co 228.616†	486.1	0.01430	mg/L	0.000240	0.01430	mg/L	0.000240	1.67%
Cr 267.716†	9866.4	0.14643	mg/L	0.001172	0.14643	mg/L	0.001172	0.80%
Cu 324.752†	65824.7	0.32013	mg/L	0.003111	0.32013	mg/L	0.003111	0.97%
Fe 273.955†	4463078.9	199.10	mg/L	0.272	199.10	mg/L	0.272	0.14%
Mg 279.077†	365903.3	23.468	mg/L	0.0279	23.468	mg/L	0.0279	0.12%
Mn 257.610†	2897364.4	5.3967	mg/L	0.00777	5.3967	mg/L	0.00777	0.14%
Ni 231.604†	3137.7	0.13138	mg/L	0.000223	0.13138	mg/L	0.000223	0.17%
Pb 220.353†	2133.8	0.46170	mg/L	0.003520	0.46170	mg/L	0.003520	0.76%
Sb 206.836†	9.9	-0.00017	mg/L	0.002180	-0.00017	mg/L	0.002180	>999.9%
Se 196.026†	-42.8	0.00361	mg/L	0.005501	0.00361	mg/L	0.005501	152.49%
Tl 190.801	-16.5	-0.00172	mg/L	0.001717	-0.00172	mg/L	0.001717	99.54%
V 292.402†	1926.1	0.02819	mg/L	0.000644	0.02819	mg/L	0.000644	2.29%
Zn 206.200†	24646.2	0.99832	mg/L	0.010492	0.99832	mg/L	0.010492	1.05%
Cd 226.502†	669.9	0.00655	mg/L	0.000107	0.00655	mg/L	0.000107	1.64%
Ti 334.940†	218805.1	0.38066	mg/L	0.003200	0.38066	mg/L	0.003200	0.84%
Ca 227.546†	18613.4	113.51	mg/L	0.713	113.51	mg/L	0.713	0.63%
Na 589.592	3337.2	0.47688	mg/L	0.010863	0.47688	mg/L	0.010863	2.28%
K 766.490	4569.7	2.2188	mg/L	0.02339	2.2188	mg/L	0.02339	1.05%

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Sequence No.: 23 **Autosampler Location: 103**
Sample ID: N1176-08A~SB-07-03-07 20X **Date Collected: 7/15/2014 12:27:29 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:46 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-08A~SB-07-03-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1857659.8	96.154	%	1.6897				1.76%
Lu 261.542	1169304.8	95.17	%	1.718				1.81%
Ag 328.068†	-78.9	-0.00010	mg/L	0.000530	-0.00010	mg/L	0.000530	553.19%
Al 308.215†	809297.7	38.864	mg/L	0.0399	38.864	mg/L	0.0399	0.10%
As 188.979†	-3.5	0.00215	mg/L	0.003244	0.00215	mg/L	0.003244	150.64%
Ba 233.527†	34249.5	0.42950	mg/L	0.010994	0.42950	mg/L	0.010994	2.56%
Be 313.107†	17676.3	0.00864	mg/L	0.000194	0.00864	mg/L	0.000194	2.24%
Co 228.616†	43.7	0.00039	mg/L	0.000156	0.00039	mg/L	0.000156	39.94%
Cr 267.716†	279.6	0.00264	mg/L	0.000110	0.00264	mg/L	0.000110	4.17%
Cu 324.752†	102.9	0.00192	mg/L	0.000461	0.00192	mg/L	0.000461	24.00%
Fe 273.955†	461098.9	20.564	mg/L	0.5004	20.564	mg/L	0.5004	2.43%
Mg 279.077†	350119.3	22.373	mg/L	0.5442	22.373	mg/L	0.5442	2.43%
Mn 257.610†	2317182.5	4.3176	mg/L	0.00251	4.3176	mg/L	0.00251	0.06%
Ni 231.604†	25.4	0.00063	mg/L	0.000156	0.00063	mg/L	0.000156	24.68%
Pb 220.353†	-16.5	0.00178	mg/L	0.001649	0.00178	mg/L	0.001649	92.82%
Sb 206.836†	-0.2	0.00044	mg/L	0.002475	0.00044	mg/L	0.002475	563.90%
Se 196.026†	0.8	0.00291	mg/L	0.009139	0.00291	mg/L	0.009139	313.99%
Tl 190.801	2.5	0.00636	mg/L	0.006713	0.00636	mg/L	0.006713	105.63%
V 292.402†	503.7	0.00507	mg/L	0.000218	0.00507	mg/L	0.000218	4.31%
Zn 206.200†	53.5	0.00093	mg/L	0.000344	0.00093	mg/L	0.000344	37.04%
Cd 226.502†	46.6	0.00016	mg/L	0.000077	0.00016	mg/L	0.000077	47.20%
Ti 334.940†	273000.0	0.47662	mg/L	0.000955	0.47662	mg/L	0.000955	0.20%
Ca 227.546†	39507.6	236.60	mg/L	6.156	236.60	mg/L	6.156	2.60%
Na 589.592	11738.4	1.6959	mg/L	0.00573	1.6959	mg/L	0.00573	0.34%
K 766.490	5708.4	2.7717	mg/L	0.05315	2.7717	mg/L	0.05315	1.92%

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Sequence No.: 24 **Autosampler Location: 104**
Sample ID: N1176-09A~SB-07-10-07 20X **Date Collected: 7/15/2014 12:31:10 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:46 AM**
Logged In Analyst (Original) : mitOptima3

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: N1176-09A~SB-07-10-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1885010.6	97.570	%	0.3843				0.39%
Lu 261.542	1183598.3	96.33	%	0.332				0.34%
Ag 328.068†	1409.9	0.01184	mg/L	0.000510	0.01184	mg/L	0.000510	4.31%
Al 308.215†	620867.5	29.831	mg/L	0.0378	29.831	mg/L	0.0378	0.13%
As 188.979†	-0.4	0.01708	mg/L	0.005376	0.01708	mg/L	0.005376	31.47%
Ba 233.527†	20965.2	0.26298	mg/L	0.000867	0.26298	mg/L	0.000867	0.33%
Be 313.107†	8559.9	0.00567	mg/L	0.000016	0.00567	mg/L	0.000016	0.28%
Co 228.616†	343.0	0.00846	mg/L	0.000139	0.00846	mg/L	0.000139	1.65%
Cr 267.716†	3239.3	0.04524	mg/L	0.000307	0.04524	mg/L	0.000307	0.68%
Cu 324.752†	13700.8	0.07494	mg/L	0.000228	0.07494	mg/L	0.000228	0.30%
Fe 273.955†	3583964.1	159.88	mg/L	0.128	159.88	mg/L	0.128	0.08%
Mg 279.077†	288485.1	18.504	mg/L	0.0793	18.504	mg/L	0.0793	0.43%
Mn 257.610†	5174770.6	9.6385	mg/L	0.00781	9.6385	mg/L	0.00781	0.08%
Ni 231.604†	460.2	0.01858	mg/L	0.000427	0.01858	mg/L	0.000427	2.30%
Pb 220.353†	4324.1	0.94508	mg/L	0.008414	0.94508	mg/L	0.008414	0.89%
Sb 206.836†	7.5	0.00068	mg/L	0.001463	0.00068	mg/L	0.001463	216.63%
Se 196.026†	-31.0	0.00583	mg/L	0.012253	0.00583	mg/L	0.012253	210.24%
Tl 190.801	-18.3	-0.01266	mg/L	0.002346	-0.01266	mg/L	0.002346	18.53%
V 292.402†	7195.6	0.07044	mg/L	0.000503	0.07044	mg/L	0.000503	0.71%
Zn 206.200†	288745.8	11.754	mg/L	0.0526	11.754	mg/L	0.0526	0.45%
Cd 226.502†	575.4	0.00608	mg/L	0.000176	0.00608	mg/L	0.000176	2.89%
Ti 334.940†	618103.9	1.0744	mg/L	0.00374	1.0744	mg/L	0.00374	0.35%
Ca 227.546†	18102.9	110.04	mg/L	0.523	110.04	mg/L	0.523	0.48%
Na 589.592	7735.1	1.1153	mg/L	0.01516	1.1153	mg/L	0.01516	1.36%
K 766.490	27036.6	13.128	mg/L	0.1396	13.128	mg/L	0.1396	1.06%

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Sequence No.: 25 Autosampler Location: 105
Sample ID: N1176-10A~SB-08-10-07 20X Date Collected: 7/15/2014 12:34:55 PM
Analyst: Data Type: Reprocessed on 7/16/2014 7:19:47 AM
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: N1176-10A~SB-08-10-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1904981.0	98.603	%	0.6127				0.62%
Lu 261.542	1213050.0	98.73	%	0.487				0.49%
Ag 328.068†	259.9	0.00466	mg/L	0.000274	0.00466	mg/L	0.000274	5.88%
Al 308.215†	251031.9	12.059	mg/L	0.1287	12.059	mg/L	0.1287	1.07%
As 188.979†	0.4	0.01814	mg/L	0.002014	0.01814	mg/L	0.002014	11.10%
Ba 233.527†	10145.7	0.12725	mg/L	0.001536	0.12725	mg/L	0.001536	1.21%
Be 313.107†	2677.4	0.00189	mg/L	0.000012	0.00189	mg/L	0.000012	0.64%
Co 228.616†	373.7	0.01078	mg/L	0.000381	0.01078	mg/L	0.000381	3.53%
Cr 267.716†	6487.1	0.09605	mg/L	0.000702	0.09605	mg/L	0.000702	0.73%
Cu 324.752†	29983.9	0.15065	mg/L	0.001670	0.15065	mg/L	0.001670	1.11%
Fe 273.955†	3575365.5	159.50	mg/L	0.156	159.50	mg/L	0.156	0.10%
Mg 279.077†	213898.9	13.740	mg/L	0.1373	13.740	mg/L	0.1373	1.00%
Mn 257.610†	2252233.2	4.1948	mg/L	0.00463	4.1948	mg/L	0.00463	0.11%
Ni 231.604†	1212.3	0.05058	mg/L	0.000285	0.05058	mg/L	0.000285	0.56%
Pb 220.353†	1917.9	0.41487	mg/L	0.003938	0.41487	mg/L	0.003938	0.95%
Sb 206.836†	7.6	-0.00024	mg/L	0.002249	-0.00024	mg/L	0.002249	949.90%
Se 196.026†	-35.9	0.00118	mg/L	0.003514	0.00118	mg/L	0.003514	298.49%
Tl 190.801	-9.9	0.00085	mg/L	0.005392	0.00085	mg/L	0.005392	634.66%
V 292.402†	2389.4	0.02974	mg/L	0.000079	0.02974	mg/L	0.000079	0.26%
Zn 206.200†	24370.9	0.98820	mg/L	0.011115	0.98820	mg/L	0.011115	1.12%
Cd 226.502†	565.8	0.00589	mg/L	0.000061	0.00589	mg/L	0.000061	1.03%
Ti 334.940†	231194.7	0.40173	mg/L	0.004236	0.40173	mg/L	0.004236	1.05%
Ca 227.546†	8428.0	52.148	mg/L	0.4915	52.148	mg/L	0.4915	0.94%
Na 589.592	3479.6	0.50243	mg/L	0.008874	0.50243	mg/L	0.008874	1.77%
K 766.490	6283.6	3.0510	mg/L	0.06691	3.0510	mg/L	0.06691	2.19%

Sequence No.: 26 **Autosampler Location: 106**
Sample ID: N1176-11A~SB-09-04-07 20X **Date Collected: 7/15/2014 12:38:36 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:48 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-11A~SB-09-04-07 20X

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1888980.3	97.775	%	1.7898				1.83%
Lu 261.542	1193418.1	97.13	%	1.810				1.86%
Ag 328.068†	949.9	0.01035	mg/L	0.000481	0.01035	mg/L	0.000481	4.65%
Al 308.215†	222665.8	10.694	mg/L	0.1454	10.694	mg/L	0.1454	1.36%
As 188.979†	62.2	0.08925	mg/L	0.003332	0.08925	mg/L	0.003332	3.73%
Ba 233.527†	12349.6	0.15493	mg/L	0.001931	0.15493	mg/L	0.001931	1.25%
Be 313.107†	3964.4	0.00239	mg/L	0.000016	0.00239	mg/L	0.000016	0.67%
Co 228.616†	1217.1	0.03705	mg/L	0.000417	0.03705	mg/L	0.000417	1.12%
Cr 267.716†	17797.1	0.25842	mg/L	0.003754	0.25842	mg/L	0.003754	1.45%
Cu 324.752†	58698.6	0.28934	mg/L	0.003553	0.28934	mg/L	0.003553	1.23%
Fe 273.955†	5214866.3	232.64	mg/L	0.529	232.64	mg/L	0.529	0.23%
Mg 279.077†	209251.4	13.479	mg/L	0.1544	13.479	mg/L	0.1544	1.15%
Mn 257.610†	13678840.5	25.477	mg/L	0.5163	25.477	mg/L	0.5163	2.03%
Ni 231.604†	2571.7	0.10771	mg/L	0.002038	0.10771	mg/L	0.002038	1.89%
Pb 220.353†	2981.0	0.64435	mg/L	0.013729	0.64435	mg/L	0.013729	2.13%
Sb 206.836†	22.2	0.00561	mg/L	0.000536	0.00561	mg/L	0.000536	9.56%
Se 196.026†	-42.3	0.00807	mg/L	0.002667	0.00807	mg/L	0.002667	33.04%
Tl 190.801	-44.1	-0.04922	mg/L	0.005294	-0.04922	mg/L	0.005294	10.76%
V 292.402†	6193.2	0.06723	mg/L	0.000559	0.06723	mg/L	0.000559	0.83%
Zn 206.200†	39464.8	1.6014	mg/L	0.01829	1.6014	mg/L	0.01829	1.14%
Cd 226.502†	805.3	0.00815	mg/L	0.000585	0.00815	mg/L	0.000585	7.17%
Ti 334.940†	209249.2	0.36365	mg/L	0.004080	0.36365	mg/L	0.004080	1.12%
Ca 227.546†	9247.0	57.831	mg/L	1.0022	57.831	mg/L	1.0022	1.73%
Na 589.592	2405.9	0.34612	mg/L	0.006114	0.34612	mg/L	0.006114	1.77%
K 766.490	5562.3	2.7008	mg/L	0.05000	2.7008	mg/L	0.05000	1.85%

Sequence No.: 27 **Autosampler Location: 107**
Sample ID: N1176-12A~SB-12-10-07 20X **Date Collected: 7/15/2014 12:42:32 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:48 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-12A~SB-12-10-07 20X

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1888838.4	97.768	%	1.0415				1.07%
Lu 261.542	1203302.4	97.93	%	1.057				1.08%
Ag 328.068†	101.0	0.00376	mg/L	0.000411	0.00376	mg/L	0.000411	10.92%
Al 308.215†	174690.6	8.3902	mg/L	0.12778	8.3902	mg/L	0.12778	1.52%
As 188.979†	1.1	0.01868	mg/L	0.003865	0.01868	mg/L	0.003865	20.69%
Ba 233.527†	7293.9	0.09149	mg/L	0.001186	0.09149	mg/L	0.001186	1.30%
Be 313.107†	1979.1	0.00158	mg/L	0.000014	0.00158	mg/L	0.000014	0.86%
Co 228.616†	336.3	0.00962	mg/L	0.000304	0.00962	mg/L	0.000304	3.16%
Cr 267.716†	2581.7	0.03706	mg/L	0.000494	0.03706	mg/L	0.000494	1.33%
Cu 324.752†	7720.3	0.04744	mg/L	0.000686	0.04744	mg/L	0.000686	1.45%
Fe 273.955†	3685886.6	164.43	mg/L	0.115	164.43	mg/L	0.115	0.07%
Mg 279.077†	207528.8	13.336	mg/L	0.2057	13.336	mg/L	0.2057	1.54%
Mn 257.610†	2616791.6	4.8737	mg/L	0.00265	4.8737	mg/L	0.00265	0.05%
Ni 231.604†	563.0	0.02332	mg/L	0.000353	0.02332	mg/L	0.000353	1.51%
Pb 220.353†	891.1	0.18916	mg/L	0.003716	0.18916	mg/L	0.003716	1.96%
Sb 206.836†	3.3	-0.00257	mg/L	0.002061	-0.00257	mg/L	0.002061	80.21%
Se 196.026†	-36.5	0.00179	mg/L	0.006687	0.00179	mg/L	0.006687	373.24%
Tl 190.801	-17.3	-0.00712	mg/L	0.004426	-0.00712	mg/L	0.004426	62.20%
V 292.402†	1936.2	0.02599	mg/L	0.000426	0.02599	mg/L	0.000426	1.64%
Zn 206.200†	10280.8	0.41413	mg/L	0.005686	0.41413	mg/L	0.005686	1.37%
Cd 226.502†	529.3	0.00485	mg/L	0.000213	0.00485	mg/L	0.000213	4.39%

Ti 334.940†	231027.9	0.40135	mg/L	0.007007	0.40135	mg/L	0.007007	1.75%
Ca 227.546†	6995.6	43.632	mg/L	0.5056	43.632	mg/L	0.5056	1.16%
Na 589.592	3830.5	0.55574	mg/L	0.003806	0.55574	mg/L	0.003806	0.68%
K 766.490	2656.2	1.2897	mg/L	0.02805	1.2897	mg/L	0.02805	2.18%

Sequence No.: 28 **Autosampler Location: 108**
Sample ID: N1176-12ADUP~SB-12- 20X **Date Collected: 7/15/2014 12:46:14 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:49 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-12ADUP~SB-12- 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1917783.3	99.266	%	0.8783				0.88%
Lu 261.542	1219765.4	99.27	%	0.851				0.86%
Ag 328.068†	227.8	0.00409	mg/L	0.000184	0.00409	mg/L	0.000184	4.51%
Al 308.215†	231769.2	11.133	mg/L	0.1836	11.133	mg/L	0.1836	1.65%
As 188.979†	6.1	0.02165	mg/L	0.005226	0.02165	mg/L	0.005226	24.14%
Ba 233.527†	9386.1	0.11772	mg/L	0.001695	0.11772	mg/L	0.001695	1.44%
Be 313.107†	3167.9	0.00210	mg/L	0.000041	0.00210	mg/L	0.000041	1.95%
Co 228.616†	299.7	0.00850	mg/L	0.000198	0.00850	mg/L	0.000198	2.33%
Cr 267.716†	2291.5	0.03272	mg/L	0.000337	0.03272	mg/L	0.000337	1.03%
Cu 324.752†	9321.5	0.05319	mg/L	0.001042	0.05319	mg/L	0.001042	1.96%
Fe 273.955†	3142946.8	140.21	mg/L	0.273	140.21	mg/L	0.273	0.19%
Mg 279.077†	237916.6	15.265	mg/L	0.2559	15.265	mg/L	0.2559	1.68%
Mn 257.610†	2586393.4	4.8171	mg/L	0.00915	4.8171	mg/L	0.00915	0.19%
Ni 231.604†	498.8	0.02062	mg/L	0.000153	0.02062	mg/L	0.000153	0.74%
Pb 220.353†	708.3	0.15057	mg/L	0.001422	0.15057	mg/L	0.001422	0.94%
Sb 206.836†	3.6	-0.00153	mg/L	0.004370	-0.00153	mg/L	0.004370	284.85%
Se 196.026†	-29.4	0.00375	mg/L	0.008687	0.00375	mg/L	0.008687	231.67%
Tl 190.801	-15.2	-0.00675	mg/L	0.005039	-0.00675	mg/L	0.005039	74.66%
V 292.402†	1866.9	0.02397	mg/L	0.000320	0.02397	mg/L	0.000320	1.34%
Zn 206.200†	8952.2	0.36063	mg/L	0.003797	0.36063	mg/L	0.003797	1.05%
Cd 226.502†	451.0	0.00413	mg/L	0.000195	0.00413	mg/L	0.000195	4.72%
Ti 334.940†	229012.4	0.39792	mg/L	0.006743	0.39792	mg/L	0.006743	1.69%
Ca 227.546†	8708.5	53.619	mg/L	0.5838	53.619	mg/L	0.5838	1.09%
Na 589.592	3762.7	0.54434	mg/L	0.004646	0.54434	mg/L	0.004646	0.85%
K 766.490	5563.6	2.7014	mg/L	0.02469	2.7014	mg/L	0.02469	0.91%

Sequence No.: 29 **Autosampler Location: 109**
Sample ID: N1176-12ASD~SB-12-1 100X **Date Collected: 7/15/2014 12:49:55 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:50 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-12ASD~SB-12-1 100X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1908407.9	98.781	%	0.8995				0.91%
Lu 261.542	1216177.0	98.98	%	0.843				0.85%
Ag 328.068†	-87.5	0.00010	mg/L	0.000191	0.00010	mg/L	0.000191	193.84%
Al 308.215†	34720.4	1.6676	mg/L	0.02312	1.6676	mg/L	0.02312	1.39%
As 188.979†	3.0	0.00671	mg/L	0.004220	0.00671	mg/L	0.004220	62.89%
Ba 233.527†	1446.9	0.01815	mg/L	0.000121	0.01815	mg/L	0.000121	0.66%
Be 313.107†	443.9	0.00033	mg/L	0.000023	0.00033	mg/L	0.000023	6.73%
Co 228.616†	67.7	0.00194	mg/L	0.000249	0.00194	mg/L	0.000249	12.83%
Cr 267.716†	519.8	0.00746	mg/L	0.000123	0.00746	mg/L	0.000123	1.65%
Cu 324.752†	1498.8	0.00933	mg/L	0.000348	0.00933	mg/L	0.000348	3.73%
Fe 273.955†	755641.6	33.710	mg/L	0.0539	33.710	mg/L	0.0539	0.16%
Mg 279.077†	41914.1	2.6936	mg/L	0.02778	2.6936	mg/L	0.02778	1.03%
Mn 257.610†	529081.9	0.98539	mg/L	0.001440	0.98539	mg/L	0.001440	0.15%
Ni 231.604†	110.2	0.00456	mg/L	0.000255	0.00456	mg/L	0.000255	5.59%
Pb 220.353†	181.9	0.03859	mg/L	0.000590	0.03859	mg/L	0.000590	1.53%
Sb 206.836†	-3.5	-0.00340	mg/L	0.000421	-0.00340	mg/L	0.000421	12.39%

Se 196.026†	-6.2	0.00244 mg/L	0.005645	0.00244 mg/L	0.005645	231.25%
Tl 190.801	0.4	0.00259 mg/L	0.004511	0.00259 mg/L	0.004511	174.27%
V 292.402†	384.8	0.00523 mg/L	0.000088	0.00523 mg/L	0.000088	1.68%
Zn 206.200†	2133.6	0.08596 mg/L	0.000710	0.08596 mg/L	0.000710	0.83%
Cd 226.502†	99.3	0.00079 mg/L	0.000143	0.00079 mg/L	0.000143	18.16%
Ti 334.940†	45511.7	0.07906 mg/L	0.001043	0.07906 mg/L	0.001043	1.32%
Ca 227.546†	1348.9	8.4348 mg/L	0.03334	8.4348 mg/L	0.03334	0.40%
Na 589.592	775.1	0.11247 mg/L	0.003513	0.11247 mg/L	0.003513	3.12%
K 766.490	575.7	0.27953 mg/L	0.059616	0.27953 mg/L	0.059616	21.33%

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Sequence No.: 30 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 12:53:37 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:50 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1848906.5	95.701	%	0.5182				0.54%
Lu 261.542	1182248.9	96.22	%	0.491				0.51%
Ag 328.068†	200866.1	1.2492	mg/L	0.00106	1.2492	mg/L	0.00106	0.08%
QC value within limits for Ag 328.068 Recovery = 99.93%								
Al 308.215†	211747.4	10.151	mg/L	0.0144	10.151	mg/L	0.0144	0.14%
QC value within limits for Al 308.215 Recovery = 101.51%								
As 188.979†	466.5	0.50202	mg/L	0.004484	0.50202	mg/L	0.004484	0.89%
QC value within limits for As 188.979 Recovery = 100.40%								
Ba 233.527†	816014.4	10.236	mg/L	0.0151	10.236	mg/L	0.0151	0.15%
QC value within limits for Ba 233.527 Recovery = 102.36%								
Be 313.107†	562965.3	0.24975	mg/L	0.000309	0.24975	mg/L	0.000309	0.12%
QC value within limits for Be 313.107 Recovery = 99.90%								
Co 228.616†	79083.3	2.4551	mg/L	0.02329	2.4551	mg/L	0.02329	0.95%
QC value within limits for Co 228.616 Recovery = 98.20%								
Cr 267.716†	65711.6	0.98844	mg/L	0.009254	0.98844	mg/L	0.009254	0.94%
QC value within limits for Cr 267.716 Recovery = 98.84%								
Cu 324.752†	272537.4	1.2684	mg/L	0.00097	1.2684	mg/L	0.00097	0.08%
QC value within limits for Cu 324.752 Recovery = 101.47%								
Fe 273.955†	112654.7	5.1154	mg/L	0.04484	5.1154	mg/L	0.04484	0.88%
QC value within limits for Fe 273.955 Recovery = 102.31%								
Mg 279.077†	400250.0	25.567	mg/L	0.0384	25.567	mg/L	0.0384	0.15%
QC value within limits for Mg 279.077 Recovery = 102.27%								
Mn 257.610†	1360380.1	2.5329	mg/L	0.00391	2.5329	mg/L	0.00391	0.15%
QC value within limits for Mn 257.610 Recovery = 101.32%								
Ni 231.604†	60495.1	2.5401	mg/L	0.02373	2.5401	mg/L	0.02373	0.93%
QC value within limits for Ni 231.604 Recovery = 101.60%								
Pb 220.353†	2222.4	0.48757	mg/L	0.003846	0.48757	mg/L	0.003846	0.79%
QC value within limits for Pb 220.353 Recovery = 97.51%								
Sb 206.836†	683.8	0.46502	mg/L	0.006144	0.46502	mg/L	0.006144	1.32%
QC value within limits for Sb 206.836 Recovery = 93.00%								
Se 196.026†	295.3	0.49249	mg/L	0.008319	0.49249	mg/L	0.008319	1.69%
QC value within limits for Se 196.026 Recovery = 98.50%								
Tl 190.801	490.6	0.47081	mg/L	0.002525	0.47081	mg/L	0.002525	0.54%
QC value within limits for Tl 190.801 Recovery = 94.16%								
V 292.402†	292987.5	2.5294	mg/L	0.00187	2.5294	mg/L	0.00187	0.07%
QC value within limits for V 292.402 Recovery = 101.18%								
Zn 206.200†	62273.3	2.5387	mg/L	0.02443	2.5387	mg/L	0.02443	0.96%
QC value within limits for Zn 206.200 Recovery = 101.55%								
Cd 226.502†	11030.5	0.24949	mg/L	0.002646	0.24949	mg/L	0.002646	1.06%
QC value within limits for Cd 226.502 Recovery = 99.80%								
Ti 334.940†	287655.2	0.49874	mg/L	0.000427	0.49874	mg/L	0.000427	0.09%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4028.9	23.557	mg/L	0.1269	23.557	mg/L	0.1269	0.54%
QC value within limits for Ca 227.546 Recovery = 94.23%								
Na 589.592	180042.8	26.329	mg/L	0.2091	26.329	mg/L	0.2091	0.79%
QC value within limits for Na 589.592 Recovery = 105.32%								
K 766.490	53583.6	26.018	mg/L	0.1999	26.018	mg/L	0.1999	0.77%
QC value within limits for K 766.490 Recovery = 104.07%								

All analyte(s) passed QC.

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Sequence No.: 31 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 12:57:19 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:51 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1920956.0	99.430	%	1.7031				1.71%
Lu 261.542	1220354.2	99.32	%	1.759				1.77%
Ag 328.068†	-9.0	-0.00006	mg/L	0.000714	-0.00006	mg/L	0.000714	>999.9%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	178.7	0.00859	mg/L	0.002043	0.00859	mg/L	0.002043	23.77%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.6	0.00381	mg/L	0.003135	0.00381	mg/L	0.003135	82.30%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	63.4	0.00080	mg/L	0.000213	0.00080	mg/L	0.000213	26.82%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	48.1	0.00002	mg/L	0.000043	0.00002	mg/L	0.000043	200.21%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	2.2	0.00007	mg/L	0.000192	0.00007	mg/L	0.000192	283.65%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	8.4	0.00013	mg/L	0.000073	0.00013	mg/L	0.000073	57.74%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	98.7	0.00046	mg/L	0.000162	0.00046	mg/L	0.000162	35.33%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	54.4	0.00244	mg/L	0.000372	0.00244	mg/L	0.000372	15.26%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	41.7	0.00267	mg/L	0.001031	0.00267	mg/L	0.001031	38.66%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	160.5	0.00030	mg/L	0.000064	0.00030	mg/L	0.000064	21.40%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	9.3	0.00039	mg/L	0.000264	0.00039	mg/L	0.000264	67.84%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.0	0.00000	mg/L	0.000284	0.00000	mg/L	0.000284	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	6.7	0.00463	mg/L	0.000852	0.00463	mg/L	0.000852	18.43%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.8	-0.00299	mg/L	0.003643	-0.00299	mg/L	0.003643	121.96%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	2.2	0.00224	mg/L	0.002076	0.00224	mg/L	0.002076	92.48%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	33.0	0.00029	mg/L	0.000528	0.00029	mg/L	0.000528	185.14%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	1.3	0.00005	mg/L	0.000484	0.00005	mg/L	0.000484	906.24%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	-2.9	-0.00006	mg/L	0.000188	-0.00006	mg/L	0.000188	291.85%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	41.9	0.00007	mg/L	0.000074	0.00007	mg/L	0.000074	102.29%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	-4.5	-0.02687	mg/L	0.047537	-0.02687	mg/L	0.047537	176.91%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	78.9	0.01154	mg/L	0.002014	0.01154	mg/L	0.002014	17.45%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	51.2	0.02484	mg/L	0.028841	0.02484	mg/L	0.028841	116.09%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 32 **Autosampler Location: 110**
Sample ID: MB-78023~PBW **Date Collected: 7/15/2014 1:00:58 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:52 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: MB-78023~PBW

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1928860.0	99.839	%	2.1867				2.19%
Lu 261.542	1229212.5	100.0	%	2.17				2.17%
Ag 328.068†	14.3	0.00009	mg/L	0.000244	0.00009	mg/L	0.000244	274.28%
Al 308.215†	162.6	0.00782	mg/L	0.005618	0.00782	mg/L	0.005618	71.82%
As 188.979†	4.8	0.00504	mg/L	0.005193	0.00504	mg/L	0.005193	103.12%
Ba 233.527†	28.1	0.00035	mg/L	0.000094	0.00035	mg/L	0.000094	26.65%
Be 313.107†	-3.4	0.00000	mg/L	0.000029	0.00000	mg/L	0.000029	>999.9%
Co 228.616†	-9.4	-0.00029	mg/L	0.000164	-0.00029	mg/L	0.000164	56.18%
Cr 267.716†	5.9	0.00009	mg/L	0.000191	0.00009	mg/L	0.000191	217.41%
Cu 324.752†	137.2	0.00064	mg/L	0.000670	0.00064	mg/L	0.000670	104.91%
Fe 273.955†	121.7	0.00543	mg/L	0.000581	0.00543	mg/L	0.000581	10.70%
Mg 279.077†	33.7	0.00216	mg/L	0.001232	0.00216	mg/L	0.001232	57.16%
Mn 257.610†	906.2	0.00169	mg/L	0.000030	0.00169	mg/L	0.000030	1.79%
Ni 231.604†	-1.7	-0.00007	mg/L	0.000369	-0.00007	mg/L	0.000369	507.96%
Pb 220.353†	2.1	0.00046	mg/L	0.000898	0.00046	mg/L	0.000898	196.38%
Sb 206.836†	8.3	0.00578	mg/L	0.002522	0.00578	mg/L	0.002522	43.63%
Se 196.026†	-2.0	-0.00335	mg/L	0.000792	-0.00335	mg/L	0.000792	23.61%
Tl 190.801	0.0	0.00002	mg/L	0.003404	0.00002	mg/L	0.003404	>999.9%
V 292.402†	-0.7	-0.00001	mg/L	0.000101	-0.00001	mg/L	0.000101	>999.9%
Zn 206.200†	110.1	0.00448	mg/L	0.000444	0.00448	mg/L	0.000444	9.91%
Cd 226.502†	1.2	0.00003	mg/L	0.000075	0.00003	mg/L	0.000075	277.13%
Ti 334.940†	63.3	0.00011	mg/L	0.000079	0.00011	mg/L	0.000079	71.70%
Ca 227.546†	-2.6	-0.01533	mg/L	0.044019	-0.01533	mg/L	0.044019	287.16%
Na 589.592	63.4	0.00927	mg/L	0.006284	0.00927	mg/L	0.006284	67.79%
K 766.490	78.3	0.03800	mg/L	0.043219	0.03800	mg/L	0.043219	113.75%

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Sequence No.: 33 **Autosampler Location: 111**
Sample ID: LCS-78023~LCS **Date Collected: 7/15/2014 1:04:39 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:52 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LCS-78023~LCS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1854806.6	96.006	%	0.5180				0.54%
Lu 261.542	1186162.8	96.54	%	0.543				0.56%
Ag 328.068†	183942.6	1.1439	mg/L	0.00407	1.1439	mg/L	0.00407	0.36%
Al 308.215†	188992.7	9.0595	mg/L	0.03099	9.0595	mg/L	0.03099	0.34%
As 188.979†	439.9	0.47324	mg/L	0.007258	0.47324	mg/L	0.007258	1.53%
Ba 233.527†	748506.6	9.3892	mg/L	0.01714	9.3892	mg/L	0.01714	0.18%
Be 313.107†	523369.5	0.23137	mg/L	0.000555	0.23137	mg/L	0.000555	0.24%
Co 228.616†	73385.1	2.2792	mg/L	0.02573	2.2792	mg/L	0.02573	1.13%
Cr 267.716†	61031.1	0.91802	mg/L	0.009911	0.91802	mg/L	0.009911	1.08%
Cu 324.752†	249683.2	1.1620	mg/L	0.00606	1.1620	mg/L	0.00606	0.52%
Fe 273.955†	104936.4	4.7628	mg/L	0.05291	4.7628	mg/L	0.05291	1.11%
Mg 279.077†	363818.0	23.240	mg/L	0.0305	23.240	mg/L	0.0305	0.13%
Mn 257.610†	1254116.7	2.3350	mg/L	0.00415	2.3350	mg/L	0.00415	0.18%
Ni 231.604†	54408.6	2.2848	mg/L	0.02439	2.2848	mg/L	0.02439	1.07%
Pb 220.353†	2105.6	0.46164	mg/L	0.003671	0.46164	mg/L	0.003671	0.80%
Sb 206.836†	682.1	0.46405	mg/L	0.002896	0.46405	mg/L	0.002896	0.62%
Se 196.026†	273.1	0.45547	mg/L	0.015729	0.45547	mg/L	0.015729	3.45%
Tl 190.801	460.5	0.44307	mg/L	0.003891	0.44307	mg/L	0.003891	0.88%
V 292.402†	265816.2	2.2953	mg/L	0.00531	2.2953	mg/L	0.00531	0.23%
Zn 206.200†	55961.5	2.2815	mg/L	0.02678	2.2815	mg/L	0.02678	1.17%
Cd 226.502†	10349.3	0.23406	mg/L	0.003230	0.23406	mg/L	0.003230	1.38%
Ti 334.940†	473.2	-0.00001	mg/L	0.000011	-0.00001	mg/L	0.000011	88.43%
Ca 227.546†	3758.7	21.986	mg/L	0.2188	21.986	mg/L	0.2188	1.00%
Na 589.592	165375.2	24.184	mg/L	0.2080	24.184	mg/L	0.2080	0.86%
K 766.490	49106.5	23.844	mg/L	0.2890	23.844	mg/L	0.2890	1.21%

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Sequence No.: 34 **Autosampler Location: 112**
Sample ID: LCSD-78023~LCSD **Date Collected: 7/15/2014 1:08:23 PM**

Analyst: Data Type: Reprocessed on 7/16/2014 7:19:53 AM
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: LCSD-78023~LCSD

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1873611.5	96.980	%	0.9170				0.95%
Lu 261.542	1198950.2	97.58	%	0.922				0.95%
Ag 328.068†	187131.7	1.1638	mg/L	0.00658	1.1638	mg/L	0.00658	0.57%
Al 308.215†	191622.5	9.1854	mg/L	0.04018	9.1854	mg/L	0.04018	0.44%
As 188.979†	446.5	0.48042	mg/L	0.007945	0.48042	mg/L	0.007945	1.65%
Ba 233.527†	761538.4	9.5527	mg/L	0.03391	9.5527	mg/L	0.03391	0.36%
Be 313.107†	532453.3	0.23538	mg/L	0.000984	0.23538	mg/L	0.000984	0.42%
Co 228.616†	74917.6	2.3267	mg/L	0.05845	2.3267	mg/L	0.05845	2.51%
Cr 267.716†	62301.0	0.93712	mg/L	0.021751	0.93712	mg/L	0.021751	2.32%
Cu 324.752†	253849.9	1.1814	mg/L	0.00594	1.1814	mg/L	0.00594	0.50%
Fe 273.955†	106626.4	4.8398	mg/L	0.11658	4.8398	mg/L	0.11658	2.41%
Mg 279.077†	369910.2	23.629	mg/L	0.0843	23.629	mg/L	0.0843	0.36%
Mn 257.610†	1274552.3	2.3731	mg/L	0.00888	2.3731	mg/L	0.00888	0.37%
Ni 231.604†	55478.8	2.3297	mg/L	0.05232	2.3297	mg/L	0.05232	2.25%
Pb 220.353†	2148.9	0.47113	mg/L	0.004278	0.47113	mg/L	0.004278	0.91%
Sb 206.836†	690.6	0.46978	mg/L	0.003645	0.46978	mg/L	0.003645	0.78%
Se 196.026†	274.6	0.45794	mg/L	0.008261	0.45794	mg/L	0.008261	1.80%
Tl 190.801	471.2	0.45353	mg/L	0.001650	0.45353	mg/L	0.001650	0.36%
V 292.402†	270785.0	2.3382	mg/L	0.01091	2.3382	mg/L	0.01091	0.47%
Zn 206.200†	56994.4	2.3236	mg/L	0.05825	2.3236	mg/L	0.05825	2.51%
Cd 226.502†	10638.8	0.24060	mg/L	0.006310	0.24060	mg/L	0.006310	2.62%
Ti 334.940†	494.9	0.00001	mg/L	0.000153	0.00001	mg/L	0.000153	>999.9%
Ca 227.546†	3795.0	22.193	mg/L	0.2204	22.193	mg/L	0.2204	0.99%
Na 589.592	163824.6	23.957	mg/L	0.3819	23.957	mg/L	0.3819	1.59%
K 766.490	49538.9	24.054	mg/L	0.4020	24.054	mg/L	0.4020	1.67%

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Sequence No.: 35 Autosampler Location: 113
Sample ID: N1137-01A~lod aq Date Collected: 7/15/2014 1:12:07 PM
Analyst: Data Type: Reprocessed on 7/16/2014 7:19:54 AM
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: N1137-01A~lod aq

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1910879.1	98.909	%	0.7700				0.78%
Lu 261.542	1218709.2	99.19	%	0.742				0.75%
Ag 328.068†	3379.2	0.02098	mg/L	0.000135	0.02098	mg/L	0.000135	0.64%
Al 308.215†	4555.3	0.21895	mg/L	0.006736	0.21895	mg/L	0.006736	3.08%
As 188.979†	12.7	0.01345	mg/L	0.002819	0.01345	mg/L	0.002819	20.96%
Ba 233.527†	369.3	0.00464	mg/L	0.000133	0.00464	mg/L	0.000133	2.87%
Be 313.107†	2422.8	0.00109	mg/L	0.000033	0.00109	mg/L	0.000033	3.02%
Co 228.616†	72.3	0.00222	mg/L	0.000245	0.00222	mg/L	0.000245	11.04%
Cr 267.716†	146.9	0.00220	mg/L	0.000025	0.00220	mg/L	0.000025	1.15%
Cu 324.752†	2521.4	0.01174	mg/L	0.000095	0.01174	mg/L	0.000095	0.81%
Fe 273.955†	2595.2	0.11589	mg/L	0.002212	0.11589	mg/L	0.002212	1.91%
Mg 279.077†	3552.0	0.22693	mg/L	0.002139	0.22693	mg/L	0.002139	0.94%
Mn 257.610†	18873.8	0.03515	mg/L	0.000489	0.03515	mg/L	0.000489	1.39%
Ni 231.604†	55.5	0.00231	mg/L	0.000226	0.00231	mg/L	0.000226	9.76%
Pb 220.353†	51.8	0.01138	mg/L	0.001057	0.01138	mg/L	0.001057	9.29%
Sb 206.836†	51.6	0.03579	mg/L	0.001424	0.03579	mg/L	0.001424	3.98%
Se 196.026†	23.5	0.03898	mg/L	0.007496	0.03898	mg/L	0.007496	19.23%
Tl 190.801	26.8	0.02749	mg/L	0.000723	0.02749	mg/L	0.000723	2.63%
V 292.402†	477.5	0.00412	mg/L	0.000163	0.00412	mg/L	0.000163	3.96%
Zn 206.200†	481.3	0.01960	mg/L	0.000463	0.01960	mg/L	0.000463	2.36%
Cd 226.502†	134.6	0.00303	mg/L	0.000114	0.00303	mg/L	0.000114	3.76%
Ti 334.940†	6024.9	0.01046	mg/L	0.000157	0.01046	mg/L	0.000157	1.50%
Ca 227.546†	34.7	0.20826	mg/L	0.028756	0.20826	mg/L	0.028756	13.81%
Na 589.592	912.5	0.13335	mg/L	0.005840	0.13335	mg/L	0.005840	4.38%

K 766.490	550.7	0.26739	mg/L	0.045033	0.26739	mg/L	0.045033	16.84%

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Sequence No.: 36 **Autosampler Location: 114**
Sample ID: N1137-01A~lod aq **Date Collected: 7/15/2014 1:15:48 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:55 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1137-01A~lod aq

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1918303.2	99.293	%	1.5567				1.57%
Lu 261.542	1223293.2	99.56	%	1.612				1.62%
Ag 328.068†	1666.1	0.01035	mg/L	0.000590	0.01035	mg/L	0.000590	5.71%
Al 308.215†	2302.9	0.11069	mg/L	0.011360	0.11069	mg/L	0.011360	10.26%
As 188.979†	11.8	0.01245	mg/L	0.002311	0.01245	mg/L	0.002311	18.57%
Ba 233.527†	161.3	0.00203	mg/L	0.000108	0.00203	mg/L	0.000108	5.33%
Be 313.107†	1153.3	0.00052	mg/L	0.000009	0.00052	mg/L	0.000009	1.78%
Co 228.616†	34.2	0.00105	mg/L	0.000094	0.00105	mg/L	0.000094	8.96%
Cr 267.716†	86.3	0.00129	mg/L	0.000126	0.00129	mg/L	0.000126	9.78%
Cu 324.752†	1291.2	0.00601	mg/L	0.000702	0.00601	mg/L	0.000702	11.69%
Fe 273.955†	1299.0	0.05800	mg/L	0.000929	0.05800	mg/L	0.000929	1.60%
Mg 279.077†	1769.0	0.11302	mg/L	0.007994	0.11302	mg/L	0.007994	7.07%
Mn 257.610†	9604.7	0.01789	mg/L	0.000314	0.01789	mg/L	0.000314	1.76%
Ni 231.604†	30.8	0.00129	mg/L	0.000347	0.00129	mg/L	0.000347	27.02%
Pb 220.353†	18.8	0.00413	mg/L	0.001112	0.00413	mg/L	0.001112	26.92%
Sb 206.836†	21.4	0.01482	mg/L	0.001917	0.01482	mg/L	0.001917	12.93%
Se 196.026†	10.1	0.01676	mg/L	0.010145	0.01676	mg/L	0.010145	60.52%
Tl 190.801	8.8	0.00905	mg/L	0.004701	0.00905	mg/L	0.004701	51.96%
V 292.402†	232.2	0.00200	mg/L	0.000106	0.00200	mg/L	0.000106	5.31%
Zn 206.200†	236.7	0.00964	mg/L	0.000475	0.00964	mg/L	0.000475	4.93%
Cd 226.502†	72.3	0.00163	mg/L	0.000250	0.00163	mg/L	0.000250	15.35%
Ti 334.940†	2967.5	0.00515	mg/L	0.000137	0.00515	mg/L	0.000137	2.66%
Ca 227.546†	23.4	0.14022	mg/L	0.020245	0.14022	mg/L	0.020245	14.44%
Na 589.592	496.5	0.07257	mg/L	0.005926	0.07257	mg/L	0.005926	8.17%
K 766.490	272.0	0.13208	mg/L	0.047923	0.13208	mg/L	0.047923	36.28%

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Sequence No.: 37 **Autosampler Location: 115**
Sample ID: N1137-03A~loq aq **Date Collected: 7/15/2014 1:19:31 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:55 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1137-03A~loq aq

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1886948.6	97.670	%	0.5042				0.52%
Lu 261.542	1203133.2	97.92	%	0.560				0.57%
Ag 328.068†	4988.3	0.03101	mg/L	0.000225	0.03101	mg/L	0.000225	0.72%
Al 308.215†	4454.9	0.21353	mg/L	0.006000	0.21353	mg/L	0.006000	2.81%
As 188.979†	25.2	0.02681	mg/L	0.001946	0.02681	mg/L	0.001946	7.26%
Ba 233.527†	17215.1	0.21594	mg/L	0.002121	0.21594	mg/L	0.002121	0.98%
Be 313.107†	12125.9	0.00540	mg/L	0.000056	0.00540	mg/L	0.000056	1.03%
Co 228.616†	1669.6	0.05181	mg/L	0.000504	0.05181	mg/L	0.000504	0.97%
Cr 267.716†	1385.9	0.02085	mg/L	0.000383	0.02085	mg/L	0.000383	1.84%
Cu 324.752†	6897.7	0.03211	mg/L	0.000526	0.03211	mg/L	0.000526	1.64%
Fe 273.955†	4887.8	0.21988	mg/L	0.003091	0.21988	mg/L	0.003091	1.41%
Mg 279.077†	8202.2	0.52399	mg/L	0.010703	0.52399	mg/L	0.010703	2.04%
Mn 257.610†	29858.0	0.05560	mg/L	0.000710	0.05560	mg/L	0.000710	1.28%
Ni 231.604†	1257.1	0.05277	mg/L	0.000605	0.05277	mg/L	0.000605	1.15%
Pb 220.353†	44.5	0.00977	mg/L	0.000591	0.00977	mg/L	0.000591	6.05%
Sb 206.836†	34.1	0.02346	mg/L	0.001604	0.02346	mg/L	0.001604	6.84%
Se 196.026†	17.9	0.02975	mg/L	0.002292	0.02975	mg/L	0.002292	7.70%
Tl 190.801	21.4	0.02131	mg/L	0.001284	0.02131	mg/L	0.001284	6.03%
V 292.402†	5971.1	0.05155	mg/L	0.000877	0.05155	mg/L	0.000877	1.70%

Zn 206.200†	1308.5	0.05334	mg/L	0.000751	0.05334	mg/L	0.000751	1.41%
Cd 226.502†	237.6	0.00537	mg/L	0.000039	0.00537	mg/L	0.000039	0.73%
Ti 334.940†	11526.8	0.02001	mg/L	0.000240	0.02001	mg/L	0.000240	1.20%
Ca 227.546†	124.9	0.73693	mg/L	0.064619	0.73693	mg/L	0.064619	8.77%
Na 589.592	7382.1	1.0797	mg/L	0.00971	1.0797	mg/L	0.00971	0.90%
K 766.490	2310.4	1.1218	mg/L	0.02523	1.1218	mg/L	0.02523	2.25%

Sequence No.: 38 **Autosampler Location: 116**
Sample ID: N1137-03A~loq aq **Date Collected: 7/15/2014 1:23:12 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:56 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1137-03A~loq aq

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1914255.1	99.083	%	1.8092				1.83%
Lu 261.542	1220527.4	99.33	%	1.837				1.85%
Ag 328.068†	5108.7	0.03176	mg/L	0.000022	0.03176	mg/L	0.000022	0.07%
Al 308.215†	4468.5	0.21418	mg/L	0.013066	0.21418	mg/L	0.013066	6.10%
As 188.979†	24.2	0.02580	mg/L	0.000592	0.02580	mg/L	0.000592	2.29%
Ba 233.527†	17344.4	0.21757	mg/L	0.004372	0.21757	mg/L	0.004372	2.01%
Be 313.107†	12175.2	0.00542	mg/L	0.000124	0.00542	mg/L	0.000124	2.29%
Co 228.616†	1660.5	0.05153	mg/L	0.000988	0.05153	mg/L	0.000988	1.92%
Cr 267.716†	1410.5	0.02122	mg/L	0.000370	0.02122	mg/L	0.000370	1.75%
Cu 324.752†	6975.7	0.03247	mg/L	0.000958	0.03247	mg/L	0.000958	2.95%
Fe 273.955†	4927.6	0.22167	mg/L	0.004131	0.22167	mg/L	0.004131	1.86%
Mg 279.077†	8291.1	0.52967	mg/L	0.010444	0.52967	mg/L	0.010444	1.97%
Mn 257.610†	30085.3	0.05602	mg/L	0.001251	0.05602	mg/L	0.001251	2.23%
Ni 231.604†	1250.4	0.05249	mg/L	0.000731	0.05249	mg/L	0.000731	1.39%
Pb 220.353†	48.2	0.01058	mg/L	0.001220	0.01058	mg/L	0.001220	11.53%
Sb 206.836†	31.1	0.02137	mg/L	0.002218	0.02137	mg/L	0.002218	10.38%
Se 196.026†	15.5	0.02584	mg/L	0.008052	0.02584	mg/L	0.008052	31.16%
Tl 190.801	22.1	0.02207	mg/L	0.004281	0.02207	mg/L	0.004281	19.40%
V 292.402†	6012.3	0.05190	mg/L	0.001958	0.05190	mg/L	0.001958	3.77%
Zn 206.200†	1291.8	0.05266	mg/L	0.000535	0.05266	mg/L	0.000535	1.02%
Cd 226.502†	272.3	0.00615	mg/L	0.000126	0.00615	mg/L	0.000126	2.06%
Ti 334.940†	11646.4	0.02021	mg/L	0.000380	0.02021	mg/L	0.000380	1.88%
Ca 227.546†	126.1	0.74423	mg/L	0.070882	0.74423	mg/L	0.070882	9.52%
Na 589.592	7525.4	1.1006	mg/L	0.02175	1.1006	mg/L	0.02175	1.98%
K 766.490	2218.6	1.0772	mg/L	0.06059	1.0772	mg/L	0.06059	5.62%

Sequence No.: 39 **Autosampler Location: 117**
Sample ID: N1176-27D~RB-01-070814 **Date Collected: 7/15/2014 1:26:53 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:57 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-27D~RB-01-070814

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1918560.6	99.306	%	0.5915				0.60%
Lu 261.542	1223399.1	99.57	%	0.682				0.68%
Ag 328.068†	-14.0	-0.00009	mg/L	0.000692	-0.00009	mg/L	0.000692	808.98%
Al 308.215†	356.4	0.01714	mg/L	0.003494	0.01714	mg/L	0.003494	20.38%
As 188.979†	2.9	0.00305	mg/L	0.002505	0.00305	mg/L	0.002505	82.16%
Ba 233.527†	13.7	0.00017	mg/L	0.000072	0.00017	mg/L	0.000072	41.94%
Be 313.107†	25.3	0.00001	mg/L	0.000013	0.00001	mg/L	0.000013	110.72%
Co 228.616†	-2.5	-0.00008	mg/L	0.000093	-0.00008	mg/L	0.000093	116.42%
Cr 267.716†	45.4	0.00068	mg/L	0.000090	0.00068	mg/L	0.000090	13.24%
Cu 324.752†	206.0	0.00096	mg/L	0.000051	0.00096	mg/L	0.000051	5.33%
Fe 273.955†	1473.6	0.06573	mg/L	0.000351	0.06573	mg/L	0.000351	0.53%
Mg 279.077†	192.0	0.01230	mg/L	0.004353	0.01230	mg/L	0.004353	35.40%
Mn 257.610†	2029.2	0.00378	mg/L	0.000040	0.00378	mg/L	0.000040	1.06%
Ni 231.604†	11.5	0.00048	mg/L	0.000120	0.00048	mg/L	0.000120	24.85%

Pb 220.353†	3.8	0.00083 mg/L	0.000690	0.00083 mg/L	0.000690	83.58%
Sb 206.836†	-0.3	-0.00019 mg/L	0.003545	-0.00019 mg/L	0.003545	>999.9%
Se 196.026†	-1.1	-0.00182 mg/L	0.006923	-0.00182 mg/L	0.006923	380.17%
Tl 190.801	0.7	0.00069 mg/L	0.004975	0.00069 mg/L	0.004975	718.60%
V 292.402†	-20.2	-0.00017 mg/L	0.000211	-0.00017 mg/L	0.000211	124.32%
Zn 206.200†	37.3	0.00152 mg/L	0.000060	0.00152 mg/L	0.000060	3.92%
Cd 226.502†	-8.0	-0.00018 mg/L	0.000049	-0.00018 mg/L	0.000049	26.34%
Ti 334.940†	178.1	0.00031 mg/L	0.000021	0.00031 mg/L	0.000021	6.71%
Ca 227.546†	-3.4	-0.01954 mg/L	0.031302	-0.01954 mg/L	0.031302	160.23%
Na 589.592	26.6	0.00388 mg/L	0.002984	0.00388 mg/L	0.002984	76.97%
K 766.490	84.5	0.04102 mg/L	0.033990	0.04102 mg/L	0.033990	82.86%

Sequence No.: 40 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 1:30:34 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:57 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1872706.1	96.933	%	0.3130				0.32%
Lu 261.542	1199037.6	97.59	%	0.236				0.24%
Ag 328.068†	196385.8	1.2213	mg/L	0.01915	1.2213	mg/L	0.01915	1.57%
QC value within limits for Ag 328.068 Recovery = 97.71%								
Al 308.215†	208364.1	9.9887	mg/L	0.18412	9.9887	mg/L	0.18412	1.84%
QC value within limits for Al 308.215 Recovery = 99.89%								
As 188.979†	460.5	0.49549	mg/L	0.003776	0.49549	mg/L	0.003776	0.76%
QC value within limits for As 188.979 Recovery = 99.10%								
Ba 233.527†	817416.4	10.254	mg/L	0.0213	10.254	mg/L	0.0213	0.21%
QC value within limits for Ba 233.527 Recovery = 102.54%								
Be 313.107†	566378.2	0.25126	mg/L	0.000203	0.25126	mg/L	0.000203	0.08%
QC value within limits for Be 313.107 Recovery = 100.50%								
Co 228.616†	77524.3	2.4067	mg/L	0.04441	2.4067	mg/L	0.04441	1.85%
QC value within limits for Co 228.616 Recovery = 96.27%								
Cr 267.716†	64484.6	0.96996	mg/L	0.018285	0.96996	mg/L	0.018285	1.89%
QC value within limits for Cr 267.716 Recovery = 97.00%								
Cu 324.752†	263504.7	1.2263	mg/L	0.01965	1.2263	mg/L	0.01965	1.60%
QC value within limits for Cu 324.752 Recovery = 98.11%								
Fe 273.955†	110857.9	5.0332	mg/L	0.09054	5.0332	mg/L	0.09054	1.80%
QC value within limits for Fe 273.955 Recovery = 100.66%								
Mg 279.077†	401852.1	25.669	mg/L	0.0670	25.669	mg/L	0.0670	0.26%
QC value within limits for Mg 279.077 Recovery = 102.68%								
Mn 257.610†	1366079.5	2.5435	mg/L	0.00411	2.5435	mg/L	0.00411	0.16%
QC value within limits for Mn 257.610 Recovery = 101.74%								
Ni 231.604†	59252.6	2.4879	mg/L	0.05276	2.4879	mg/L	0.05276	2.12%
QC value within limits for Ni 231.604 Recovery = 99.52%								
Pb 220.353†	2233.9	0.49011	mg/L	0.003273	0.49011	mg/L	0.003273	0.67%
QC value within limits for Pb 220.353 Recovery = 98.02%								
Sb 206.836†	684.6	0.46573	mg/L	0.003014	0.46573	mg/L	0.003014	0.65%
QC value within limits for Sb 206.836 Recovery = 93.15%								
Se 196.026†	294.6	0.49122	mg/L	0.005443	0.49122	mg/L	0.005443	1.11%
QC value within limits for Se 196.026 Recovery = 98.24%								
Tl 190.801	493.4	0.47430	mg/L	0.004678	0.47430	mg/L	0.004678	0.99%
QC value within limits for Tl 190.801 Recovery = 94.86%								
V 292.402†	286352.5	2.4721	mg/L	0.04373	2.4721	mg/L	0.04373	1.77%
QC value within limits for V 292.402 Recovery = 98.88%								
Zn 206.200†	61111.5	2.4914	mg/L	0.05072	2.4914	mg/L	0.05072	2.04%
QC value within limits for Zn 206.200 Recovery = 99.65%								
Cd 226.502†	10725.7	0.24260	mg/L	0.005020	0.24260	mg/L	0.005020	2.07%
QC value within limits for Cd 226.502 Recovery = 97.04%								
Ti 334.940†	288615.0	0.50041	mg/L	0.001207	0.50041	mg/L	0.001207	0.24%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4037.7	23.621	mg/L	0.1437	23.621	mg/L	0.1437	0.61%
QC value within limits for Ca 227.546 Recovery = 94.48%								
Na 589.592	180061.9	26.332	mg/L	0.2848	26.332	mg/L	0.2848	1.08%
QC value within limits for Na 589.592 Recovery = 105.33%								
K 766.490	53608.2	26.030	mg/L	0.2977	26.030	mg/L	0.2977	1.14%

QC value within limits for K 766.490 Recovery = 104.12%
All analyte(s) passed QC.

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Sequence No.: 41 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 1:34:15 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:58 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1915655.3	99.156	%	0.6073				0.61%
Lu 261.542	1218912.7	99.20	%	0.657				0.66%
Ag 328.068†	28.1	0.00017	mg/L	0.000340	0.00017	mg/L	0.000340	194.87%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	200.7	0.00965	mg/L	0.001441	0.00965	mg/L	0.001441	14.93%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	4.9	0.00516	mg/L	0.002600	0.00516	mg/L	0.002600	50.37%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	56.6	0.00071	mg/L	0.000360	0.00071	mg/L	0.000360	50.65%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	26.8	0.00001	mg/L	0.000022	0.00001	mg/L	0.000022	186.67%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	-2.8	-0.00009	mg/L	0.000090	-0.00009	mg/L	0.000090	102.19%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	4.1	0.00006	mg/L	0.000163	0.00006	mg/L	0.000163	265.75%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	124.6	0.00058	mg/L	0.000349	0.00058	mg/L	0.000349	60.15%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	12.6	0.00057	mg/L	0.000365	0.00057	mg/L	0.000365	63.59%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	27.4	0.00175	mg/L	0.001402	0.00175	mg/L	0.001402	80.08%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	115.4	0.00021	mg/L	0.000107	0.00021	mg/L	0.000107	49.95%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	1.5	0.00006	mg/L	0.000474	0.00006	mg/L	0.000474	784.27%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.4	-0.00054	mg/L	0.000632	-0.00054	mg/L	0.000632	117.97%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.1	0.00283	mg/L	0.001983	0.00283	mg/L	0.001983	69.93%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.5	-0.00086	mg/L	0.004719	-0.00086	mg/L	0.004719	548.49%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	1.0	0.00104	mg/L	0.001514	0.00104	mg/L	0.001514	146.18%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	49.7	0.00043	mg/L	0.000196	0.00043	mg/L	0.000196	45.59%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-19.6	-0.00080	mg/L	0.000222	-0.00080	mg/L	0.000222	27.86%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	-0.3	-0.00001	mg/L	0.000033	-0.00001	mg/L	0.000033	570.78%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	52.3	0.00009	mg/L	0.000130	0.00009	mg/L	0.000130	143.68%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	-2.0	-0.01182	mg/L	0.025411	-0.01182	mg/L	0.025411	214.92%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	76.2	0.01115	mg/L	0.009123	0.01115	mg/L	0.009123	81.84%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	35.9	0.01742	mg/L	0.048445	0.01742	mg/L	0.048445	278.02%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 42 **Autosampler Location: 118**
Sample ID: N1178-02F~98436 **Date Collected: 7/15/2014 1:37:56 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:59 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**

Dilution: **Sample Prep Vol:**

Mean Data: N1178-02F~98436

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1846129.6	95.557	%	0.9077				0.95%
Lu 261.542	1183377.6	96.31	%	0.942				0.98%
Ag 328.068†	66.4	0.00041	mg/L	0.000490	0.00041	mg/L	0.000490	118.44%
Al 308.215†	652.8	0.03052	mg/L	0.001482	0.03052	mg/L	0.001482	4.86%
As 188.979†	6.5	0.00645	mg/L	0.004053	0.00645	mg/L	0.004053	62.84%
Ba 233.527†	10791.6	0.13533	mg/L	0.000237	0.13533	mg/L	0.000237	0.17%
Be 313.107†	0.6	0.00000	mg/L	0.000024	0.00000	mg/L	0.000024	>999.9%
Co 228.616†	211.5	0.00656	mg/L	0.000226	0.00656	mg/L	0.000226	3.44%
Cr 267.716†	159.5	0.00131	mg/L	0.000186	0.00131	mg/L	0.000186	14.22%
Cu 324.752†	4359.0	0.02028	mg/L	0.000291	0.02028	mg/L	0.000291	1.43%
Fe 273.955†	1411.0	0.06289	mg/L	0.002310	0.06289	mg/L	0.002310	3.67%
Mg 279.077†	27193.4	1.7369	mg/L	0.00748	1.7369	mg/L	0.00748	0.43%
Mn 257.610†	1608574.1	2.9959	mg/L	0.01249	2.9959	mg/L	0.01249	0.42%
Ni 231.604†	599.5	0.02517	mg/L	0.000322	0.02517	mg/L	0.000322	1.28%
Pb 220.353†	4.1	0.00092	mg/L	0.002044	0.00092	mg/L	0.002044	222.32%
Sb 206.836†	3.0	0.00211	mg/L	0.003305	0.00211	mg/L	0.003305	156.84%
Se 196.026†	-3.8	-0.00808	mg/L	0.003468	-0.00808	mg/L	0.003468	42.92%
Tl 190.801	-2.8	-0.00575	mg/L	0.002996	-0.00575	mg/L	0.002996	52.08%
V 292.402†	67.5	0.00059	mg/L	0.000410	0.00059	mg/L	0.000410	69.33%
Zn 206.200†	173.9	0.00709	mg/L	0.000225	0.00709	mg/L	0.000225	3.18%
Cd 226.502†	-7.5	-0.00016	mg/L	0.000078	-0.00016	mg/L	0.000078	47.83%
Ti 334.940†	60.4	0.00008	mg/L	0.000058	0.00008	mg/L	0.000058	71.27%
Ca 227.546†	553.9	3.3126	mg/L	0.07513	3.3126	mg/L	0.07513	2.27%
Na 589.592	344379.6	50.372	mg/L	0.1972	50.372	mg/L	0.1972	0.39%
K 766.490	70571.3	34.266	mg/L	0.1397	34.266	mg/L	0.1397	0.41%

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Sequence No.: 43 **Autosampler Location: 119**
Sample ID: N1178-03F~95323 **Date Collected: 7/15/2014 1:41:38 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:19:59 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-03F~95323

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1887367.1	97.692	%	0.6673				0.68%
Lu 261.542	1209601.0	98.44	%	0.642				0.65%
Ag 328.068†	61.0	0.00043	mg/L	0.000308	0.00043	mg/L	0.000308	71.66%
Al 308.215†	687.7	0.03182	mg/L	0.000339	0.03182	mg/L	0.000339	1.06%
As 188.979†	5.8	0.00586	mg/L	0.002358	0.00586	mg/L	0.002358	40.23%
Ba 233.527†	11751.3	0.14736	mg/L	0.001121	0.14736	mg/L	0.001121	0.76%
Be 313.107†	54.4	0.00002	mg/L	0.000021	0.00002	mg/L	0.000021	87.85%
Co 228.616†	201.1	0.00624	mg/L	0.000145	0.00624	mg/L	0.000145	2.32%
Cr 267.716†	186.5	0.00128	mg/L	0.000326	0.00128	mg/L	0.000326	25.53%
Cu 324.752†	571.0	0.00284	mg/L	0.000257	0.00284	mg/L	0.000257	9.05%
Fe 273.955†	60083.0	2.6802	mg/L	0.02660	2.6802	mg/L	0.02660	0.99%
Mg 279.077†	47404.4	3.0291	mg/L	0.03627	3.0291	mg/L	0.03627	1.20%
Mn 257.610†	2253942.0	4.1978	mg/L	0.03060	4.1978	mg/L	0.03060	0.73%
Ni 231.604†	257.9	0.01081	mg/L	0.000582	0.01081	mg/L	0.000582	5.38%
Pb 220.353†	2.8	0.00053	mg/L	0.001632	0.00053	mg/L	0.001632	308.29%
Sb 206.836†	0.9	0.00062	mg/L	0.002116	0.00062	mg/L	0.002116	339.97%
Se 196.026†	-2.4	-0.00525	mg/L	0.002751	-0.00525	mg/L	0.002751	52.40%
Tl 190.801	-1.7	-0.00555	mg/L	0.003817	-0.00555	mg/L	0.003817	68.76%
V 292.402†	7.5	0.00023	mg/L	0.000278	0.00023	mg/L	0.000278	122.44%
Zn 206.200†	92.0	0.00368	mg/L	0.000155	0.00368	mg/L	0.000155	4.21%
Cd 226.502†	-3.2	-0.00018	mg/L	0.000109	-0.00018	mg/L	0.000109	59.03%
Ti 334.940†	106.5	0.00013	mg/L	0.000068	0.00013	mg/L	0.000068	52.87%
Ca 227.546†	775.4	4.6668	mg/L	0.03976	4.6668	mg/L	0.03976	0.85%
Na 589.592	318535.3	46.591	mg/L	0.3527	46.591	mg/L	0.3527	0.76%
K 766.490	54874.2	26.644	mg/L	0.1706	26.644	mg/L	0.1706	0.64%

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Sequence No.: 44
Sample ID: N1178-04F~98437
Analyst:
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt:
Dilution:

Autosampler Location: 120
Date Collected: 7/15/2014 1:45:20 PM
Data Type: Reprocessed on 7/16/2014 7:20:00 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: N1178-04F~98437

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1886943.4	97.670	%	0.6704				0.69%
Lu 261.542	1206759.6	98.21	%	0.678				0.69%
Ag 328.068†	-40.5	-0.00022	mg/L	0.000208	-0.00022	mg/L	0.000208	95.98%
Al 308.215†	296.5	0.01109	mg/L	0.006045	0.01109	mg/L	0.006045	54.49%
As 188.979†	9.1	0.01009	mg/L	0.004789	0.01009	mg/L	0.004789	47.48%
Ba 233.527†	1502.2	0.01884	mg/L	0.000042	0.01884	mg/L	0.000042	0.23%
Be 313.107†	2.4	0.00000	mg/L	0.000030	0.00000	mg/L	0.000030	>999.9%
Co 228.616†	23.8	0.00074	mg/L	0.000168	0.00074	mg/L	0.000168	22.83%
Cr 267.716†	27.7	0.00034	mg/L	0.000158	0.00034	mg/L	0.000158	46.06%
Cu 324.752†	149.2	0.00082	mg/L	0.000242	0.00082	mg/L	0.000242	29.42%
Fe 273.955†	41259.1	1.8404	mg/L	0.03742	1.8404	mg/L	0.03742	2.03%
Mg 279.077†	67287.8	4.2987	mg/L	0.09679	4.2987	mg/L	0.09679	2.25%
Mn 257.610†	109354.5	0.20363	mg/L	0.004542	0.20363	mg/L	0.004542	2.23%
Ni 231.604†	86.4	0.00360	mg/L	0.000104	0.00360	mg/L	0.000104	2.88%
Pb 220.353†	1.0	0.00026	mg/L	0.001704	0.00026	mg/L	0.001704	660.09%
Sb 206.836†	2.9	0.00213	mg/L	0.001453	0.00213	mg/L	0.001453	68.22%
Se 196.026†	0.5	0.00116	mg/L	0.007698	0.00116	mg/L	0.007698	665.69%
Tl 190.801	4.7	0.00521	mg/L	0.003986	0.00521	mg/L	0.003986	76.48%
V 292.402†	42.1	0.00047	mg/L	0.000191	0.00047	mg/L	0.000191	40.57%
Zn 206.200†	43.3	0.00171	mg/L	0.000215	0.00171	mg/L	0.000215	12.55%
Cd 226.502†	-0.0	-0.00008	mg/L	0.000094	-0.00008	mg/L	0.000094	119.10%
Ti 334.940†	-72.7	-0.00012	mg/L	0.000134	-0.00012	mg/L	0.000134	113.44%
Ca 227.546†	2139.3	12.818	mg/L	0.0366	12.818	mg/L	0.0366	0.29%
Na 589.592	161376.2	23.604	mg/L	0.3033	23.604	mg/L	0.3033	1.29%
K 766.490	6816.8	3.3099	mg/L	0.08621	3.3099	mg/L	0.08621	2.60%

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Sequence No.: 45
Sample ID: N1178-05F~72151M
Analyst:
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt:
Dilution:

Autosampler Location: 121
Date Collected: 7/15/2014 1:49:01 PM
Data Type: Reprocessed on 7/16/2014 7:20:01 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: N1178-05F~72151M

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1901244.8	98.410	%	0.4282				0.44%
Lu 261.542	1213442.7	98.76	%	0.471				0.48%
Ag 328.068†	-19.2	-0.00012	mg/L	0.000663	-0.00012	mg/L	0.000663	569.98%
Al 308.215†	344.4	0.01522	mg/L	0.002240	0.01522	mg/L	0.002240	14.72%
As 188.979†	5.0	0.00545	mg/L	0.001470	0.00545	mg/L	0.001470	26.97%
Ba 233.527†	1346.7	0.01689	mg/L	0.000111	0.01689	mg/L	0.000111	0.66%
Be 313.107†	188.5	0.00008	mg/L	0.000040	0.00008	mg/L	0.000040	48.50%
Co 228.616†	0.7	0.00002	mg/L	0.000172	0.00002	mg/L	0.000172	821.54%
Cr 267.716†	30.3	0.00045	mg/L	0.000153	0.00045	mg/L	0.000153	33.72%
Cu 324.752†	149.7	0.00071	mg/L	0.000339	0.00071	mg/L	0.000339	47.93%
Fe 273.955†	3562.9	0.15884	mg/L	0.001927	0.15884	mg/L	0.001927	1.21%
Mg 279.077†	32005.9	2.0443	mg/L	0.04577	2.0443	mg/L	0.04577	2.24%
Mn 257.610†	4498.4	0.00835	mg/L	0.000169	0.00835	mg/L	0.000169	2.02%
Ni 231.604†	-2.1	-0.00011	mg/L	0.000153	-0.00011	mg/L	0.000153	144.23%
Pb 220.353†	2.5	0.00060	mg/L	0.001119	0.00060	mg/L	0.001119	187.35%
Sb 206.836†	7.4	0.00522	mg/L	0.005181	0.00522	mg/L	0.005181	99.19%
Se 196.026†	-2.6	-0.00442	mg/L	0.005738	-0.00442	mg/L	0.005738	129.95%
Tl 190.801	3.4	0.00373	mg/L	0.000240	0.00373	mg/L	0.000240	6.44%
V 292.402†	-20.9	-0.00017	mg/L	0.000545	-0.00017	mg/L	0.000545	321.05%
Zn 206.200†	60.0	0.00244	mg/L	0.000092	0.00244	mg/L	0.000092	3.75%
Cd 226.502†	-4.0	-0.00010	mg/L	0.000006	-0.00010	mg/L	0.000006	6.01%
Ti 334.940†	48.3	0.00008	mg/L	0.000046	0.00008	mg/L	0.000046	59.02%

Ca 227.546†	901.0	5.3919	mg/L	0.08196	5.3919	mg/L	0.08196	1.52%
Na 589.592	33814.1	4.9459	mg/L	0.08209	4.9459	mg/L	0.08209	1.66%
K 766.490	1595.6	0.77477	mg/L	0.005344	0.77477	mg/L	0.005344	0.69%

Sequence No.: 46 **Autosampler Location: 122**
Sample ID: N1179-01A~98436 F **Date Collected: 7/15/2014 1:52:42 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:01 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-01A~98436 F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1865029.8	96.535	%	1.1311				1.17%
Lu 261.542	1195427.4	97.29	%	1.254				1.29%
Ag 328.068†	71.0	0.00044	mg/L	0.000212	0.00044	mg/L	0.000212	48.07%
Al 308.215†	471.4	0.02181	mg/L	0.008179	0.02181	mg/L	0.008179	37.50%
As 188.979†	3.2	0.00301	mg/L	0.001538	0.00301	mg/L	0.001538	51.06%
Ba 233.527†	10005.9	0.12548	mg/L	0.002071	0.12548	mg/L	0.002071	1.65%
Be 313.107†	28.7	0.00001	mg/L	0.000026	0.00001	mg/L	0.000026	205.95%
Co 228.616†	205.9	0.00639	mg/L	0.000205	0.00639	mg/L	0.000205	3.21%
Cr 267.716†	124.4	0.00081	mg/L	0.000041	0.00081	mg/L	0.000041	5.06%
Cu 324.752†	3980.3	0.01852	mg/L	0.000609	0.01852	mg/L	0.000609	3.29%
Fe 273.955†	1357.3	0.06049	mg/L	0.001065	0.06049	mg/L	0.001065	1.76%
Mg 279.077†	27026.2	1.7262	mg/L	0.03046	1.7262	mg/L	0.03046	1.76%
Mn 257.610†	1560469.9	2.9063	mg/L	0.00652	2.9063	mg/L	0.00652	0.22%
Ni 231.604†	600.7	0.02521	mg/L	0.000393	0.02521	mg/L	0.000393	1.56%
Pb 220.353†	-6.0	-0.00129	mg/L	0.001614	-0.00129	mg/L	0.001614	125.00%
Sb 206.836†	4.7	0.00331	mg/L	0.001393	0.00331	mg/L	0.001393	42.01%
Se 196.026†	-0.4	-0.00228	mg/L	0.004007	-0.00228	mg/L	0.004007	175.51%
Tl 190.801	-0.8	-0.00366	mg/L	0.005097	-0.00366	mg/L	0.005097	139.41%
V 292.402†	40.0	0.00035	mg/L	0.000194	0.00035	mg/L	0.000194	54.86%
Zn 206.200†	123.6	0.00504	mg/L	0.000275	0.00504	mg/L	0.000275	5.46%
Cd 226.502†	2.9	0.00007	mg/L	0.000138	0.00007	mg/L	0.000138	196.14%
Ti 334.940†	48.7	0.00006	mg/L	0.000111	0.00006	mg/L	0.000111	181.32%
Ca 227.546†	549.4	3.2853	mg/L	0.05449	3.2853	mg/L	0.05449	1.66%
Na 589.592	343325.0	50.217	mg/L	0.1083	50.217	mg/L	0.1083	0.22%
K 766.490	70068.2	34.022	mg/L	0.1087	34.022	mg/L	0.1087	0.32%

Sequence No.: 47 **Autosampler Location: 123**
Sample ID: N1179-02A~95323 F **Date Collected: 7/15/2014 1:56:24 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:02 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-02A~95323 F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1854992.7	96.016	%	1.1449				1.19%
Lu 261.542	1188931.6	96.76	%	1.246				1.29%
Ag 328.068†	74.1	0.00051	mg/L	0.000514	0.00051	mg/L	0.000514	100.28%
Al 308.215†	965.7	0.04505	mg/L	0.004403	0.04505	mg/L	0.004403	9.77%
As 188.979†	1.8	0.00161	mg/L	0.004135	0.00161	mg/L	0.004135	256.67%
Ba 233.527†	11950.9	0.14987	mg/L	0.000902	0.14987	mg/L	0.000902	0.60%
Be 313.107†	-17.1	-0.00001	mg/L	0.000026	-0.00001	mg/L	0.000026	353.71%
Co 228.616†	210.5	0.00654	mg/L	0.000062	0.00654	mg/L	0.000062	0.95%
Cr 267.716†	225.7	0.00184	mg/L	0.000286	0.00184	mg/L	0.000286	15.50%
Cu 324.752†	628.3	0.00311	mg/L	0.000599	0.00311	mg/L	0.000599	19.24%
Fe 273.955†	61321.6	2.7355	mg/L	0.02168	2.7355	mg/L	0.02168	0.79%
Mg 279.077†	49412.5	3.1574	mg/L	0.02952	3.1574	mg/L	0.02952	0.93%
Mn 257.610†	2290453.5	4.2658	mg/L	0.01597	4.2658	mg/L	0.01597	0.37%
Ni 231.604†	273.6	0.01147	mg/L	0.000142	0.01147	mg/L	0.000142	1.24%
Pb 220.353†	5.6	0.00116	mg/L	0.001063	0.00116	mg/L	0.001063	91.72%
Sb 206.836†	2.7	0.00188	mg/L	0.001439	0.00188	mg/L	0.001439	76.59%
Se 196.026†	-3.3	-0.00692	mg/L	0.008881	-0.00692	mg/L	0.008881	128.39%

Tl 190.801	-3.1	-0.00700	mg/L	0.002625	-0.00700	mg/L	0.002625 37.51%
V 292.402†	23.2	0.00037	mg/L	0.000143	0.00037	mg/L	0.000143 39.08%
Zn 206.200†	291.1	0.01179	mg/L	0.000079	0.01179	mg/L	0.000079 0.67%
Cd 226.502†	0.5	-0.00010	mg/L	0.000222	-0.00010	mg/L	0.000222 215.61%
Ti 334.940†	57.5	0.00005	mg/L	0.000063	0.00005	mg/L	0.000063 135.92%
Ca 227.546†	873.9	5.2563	mg/L	0.14481	5.2563	mg/L	0.14481 2.76%
Na 589.592	324578.5	47.475	mg/L	0.2013	47.475	mg/L	0.2013 0.42%
K 766.490	56266.2	27.320	mg/L	0.1031	27.320	mg/L	0.1031 0.38%

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Sequence No.: 48 **Autosampler Location: 124**
Sample ID: N1179-03A~98437 F **Date Collected: 7/15/2014 2:00:06 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:03 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-03A~98437 F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1891017.2	97.881	%	0.4643				0.47%
Lu 261.542	1209573.6	98.44	%	0.452				0.46%
Ag 328.068†	-30.3	-0.00016	mg/L	0.000385	-0.00016	mg/L	0.000385	246.02%
Al 308.215†	256.6	0.00935	mg/L	0.002001	0.00935	mg/L	0.002001	21.40%
As 188.979†	12.3	0.01341	mg/L	0.002235	0.01341	mg/L	0.002235	16.67%
Ba 233.527†	1433.3	0.01797	mg/L	0.000101	0.01797	mg/L	0.000101	0.56%
Be 313.107†	17.4	0.00001	mg/L	0.000032	0.00001	mg/L	0.000032	433.94%
Co 228.616†	21.7	0.00067	mg/L	0.000106	0.00067	mg/L	0.000106	15.77%
Cr 267.716†	27.1	0.00034	mg/L	0.000046	0.00034	mg/L	0.000046	13.70%
Cu 324.752†	228.1	0.00118	mg/L	0.000251	0.00118	mg/L	0.000251	21.30%
Fe 273.955†	36968.3	1.6490	mg/L	0.02259	1.6490	mg/L	0.02259	1.37%
Mg 279.077†	64243.4	4.1041	mg/L	0.06369	4.1041	mg/L	0.06369	1.55%
Mn 257.610†	107000.2	0.19925	mg/L	0.002868	0.19925	mg/L	0.002868	1.44%
Ni 231.604†	92.4	0.00385	mg/L	0.000111	0.00385	mg/L	0.000111	2.87%
Pb 220.353†	-5.8	-0.00124	mg/L	0.002379	-0.00124	mg/L	0.002379	192.50%
Sb 206.836†	1.0	0.00084	mg/L	0.001767	0.00084	mg/L	0.001767	209.20%
Se 196.026†	0.5	0.00100	mg/L	0.002438	0.00100	mg/L	0.002438	244.16%
Tl 190.801	3.3	0.00377	mg/L	0.001552	0.00377	mg/L	0.001552	41.16%
V 292.402†	28.3	0.00034	mg/L	0.000612	0.00034	mg/L	0.000612	179.05%
Zn 206.200†	72.8	0.00292	mg/L	0.000154	0.00292	mg/L	0.000154	5.28%
Cd 226.502†	2.1	-0.00002	mg/L	0.000051	-0.00002	mg/L	0.000051	224.78%
Ti 334.940†	-105.0	-0.00018	mg/L	0.000132	-0.00018	mg/L	0.000132	74.85%
Ca 227.546†	2022.4	12.117	mg/L	0.1214	12.117	mg/L	0.1214	1.00%
Na 589.592	150651.8	22.035	mg/L	0.4764	22.035	mg/L	0.4764	2.16%
K 766.490	6482.2	3.1475	mg/L	0.05297	3.1475	mg/L	0.05297	1.68%

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Sequence No.: 49 **Autosampler Location: 125**
Sample ID: N1179-04A~72151M F **Date Collected: 7/15/2014 2:03:47 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:03 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-04A~72151M F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1909597.5	98.842	%	1.5271				1.54%
Lu 261.542	1220646.0	99.34	%	1.538				1.55%
Ag 328.068†	42.4	0.00027	mg/L	0.000291	0.00027	mg/L	0.000291	109.59%
Al 308.215†	225.8	0.00966	mg/L	0.005101	0.00966	mg/L	0.005101	52.81%
As 188.979†	4.7	0.00503	mg/L	0.001764	0.00503	mg/L	0.001764	35.05%
Ba 233.527†	1187.5	0.01489	mg/L	0.000281	0.01489	mg/L	0.000281	1.88%
Be 313.107†	142.9	0.00006	mg/L	0.000015	0.00006	mg/L	0.000015	23.16%
Co 228.616†	-3.0	-0.00009	mg/L	0.000255	-0.00009	mg/L	0.000255	275.98%
Cr 267.716†	43.5	0.00065	mg/L	0.000058	0.00065	mg/L	0.000058	8.91%
Cu 324.752†	203.4	0.00096	mg/L	0.000244	0.00096	mg/L	0.000244	25.54%
Fe 273.955†	3122.7	0.13922	mg/L	0.002006	0.13922	mg/L	0.002006	1.44%
Mg 279.077†	28435.1	1.8163	mg/L	0.04137	1.8163	mg/L	0.04137	2.28%

Mn 257.610†	8340.8	0.01551	mg/L	0.000290	0.01551	mg/L	0.000290	1.87%
Ni 231.604†	19.1	0.00079	mg/L	0.000386	0.00079	mg/L	0.000386	48.94%
Pb 220.353†	-0.9	-0.00014	mg/L	0.000578	-0.00014	mg/L	0.000578	400.67%
Sb 206.836†	1.3	0.00098	mg/L	0.003000	0.00098	mg/L	0.003000	306.28%
Se 196.026†	-4.3	-0.00729	mg/L	0.007565	-0.00729	mg/L	0.007565	103.73%
Tl 190.801	1.8	0.00204	mg/L	0.003354	0.00204	mg/L	0.003354	164.63%
V 292.402†	-9.0	-0.00007	mg/L	0.000391	-0.00007	mg/L	0.000391	575.07%
Zn 206.200†	80.2	0.00326	mg/L	0.000068	0.00326	mg/L	0.000068	2.08%
Cd 226.502†	-5.1	-0.00012	mg/L	0.000076	-0.00012	mg/L	0.000076	62.36%
Ti 334.940†	49.9	0.00008	mg/L	0.000072	0.00008	mg/L	0.000072	88.13%
Ca 227.546†	803.6	4.8093	mg/L	0.09845	4.8093	mg/L	0.09845	2.05%
Na 589.592	30685.1	4.4882	mg/L	0.03723	4.4882	mg/L	0.03723	0.83%
K 766.490	1448.1	0.70315	mg/L	0.034352	0.70315	mg/L	0.034352	4.89%

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Sequence No.: 50 **Autosampler Location: 126**
Sample ID: N1179-04ASD~72151M F **Date Collected: 7/15/2014 2:07:28 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:04 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-04ASD~72151M F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1924715.3	99.625	%	0.2548				0.26%
Lu 261.542	1226978.0	99.86	%	0.268				0.27%
Ag 328.068†	-45.6	-0.00028	mg/L	0.000150	-0.00028	mg/L	0.000150	53.01%
Al 308.215†	66.0	0.00294	mg/L	0.002094	0.00294	mg/L	0.002094	71.28%
As 188.979†	6.8	0.00720	mg/L	0.002475	0.00720	mg/L	0.002475	34.40%
Ba 233.527†	231.0	0.00290	mg/L	0.000049	0.00290	mg/L	0.000049	1.68%
Be 313.107†	45.9	0.00002	mg/L	0.000022	0.00002	mg/L	0.000022	106.07%
Co 228.616†	-2.9	-0.00009	mg/L	0.000268	-0.00009	mg/L	0.000268	302.68%
Cr 267.716†	16.0	0.00024	mg/L	0.000126	0.00024	mg/L	0.000126	52.64%
Cu 324.752†	34.2	0.00016	mg/L	0.000237	0.00016	mg/L	0.000237	147.45%
Fe 273.955†	588.4	0.02623	mg/L	0.000870	0.02623	mg/L	0.000870	3.32%
Mg 279.077†	5780.4	0.36921	mg/L	0.001702	0.36921	mg/L	0.001702	0.46%
Mn 257.610†	1640.2	0.00305	mg/L	0.000073	0.00305	mg/L	0.000073	2.39%
Ni 231.604†	-1.5	-0.00007	mg/L	0.000266	-0.00007	mg/L	0.000266	399.95%
Pb 220.353†	-5.0	-0.00109	mg/L	0.001383	-0.00109	mg/L	0.001383	126.46%
Sb 206.836†	4.8	0.00335	mg/L	0.003340	0.00335	mg/L	0.003340	99.61%
Se 196.026†	-1.2	-0.00205	mg/L	0.005883	-0.00205	mg/L	0.005883	286.80%
Tl 190.801	0.7	0.00071	mg/L	0.005083	0.00071	mg/L	0.005083	720.12%
V 292.402†	-2.7	-0.00002	mg/L	0.000221	-0.00002	mg/L	0.000221	>999.9%
Zn 206.200†	-20.9	-0.00085	mg/L	0.000130	-0.00085	mg/L	0.000130	15.20%
Cd 226.502†	-1.9	-0.00004	mg/L	0.000141	-0.00004	mg/L	0.000141	317.10%
Ti 334.940†	0.6	0.00000	mg/L	0.000068	0.00000	mg/L	0.000068	>999.9%
Ca 227.546†	158.3	0.94766	mg/L	0.127270	0.94766	mg/L	0.127270	13.43%
Na 589.592	6354.5	0.92945	mg/L	0.010636	0.92945	mg/L	0.010636	1.14%
K 766.490	313.9	0.15240	mg/L	0.002036	0.15240	mg/L	0.002036	1.34%

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Sequence No.: 51 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 2:11:09 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:05 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1859164.8	96.232	%	1.1403				1.18%
Lu 261.542	1189081.0	96.77	%	1.173				1.21%
Ag 328.068†	201013.4	1.2501	mg/L	0.00197	1.2501	mg/L	0.00197	0.16%
QC value within limits for Ag 328.068 Recovery = 100.01%								
Al 308.215†	212544.7	10.189	mg/L	0.0123	10.189	mg/L	0.0123	0.12%
QC value within limits for Al 308.215 Recovery = 101.89%								
As 188.979†	465.7	0.50104	mg/L	0.001805	0.50104	mg/L	0.001805	0.36%

QC value within limits for As 188.979 Recovery = 100.21%

Ba 233.527†	816645.6	10.244 mg/L	0.0201	10.244 mg/L	0.0201	0.20%
QC value within limits for Ba 233.527 Recovery = 102.44%						
Be 313.107†	565561.2	0.25090 mg/L	0.000033	0.25090 mg/L	0.000033	0.01%
QC value within limits for Be 313.107 Recovery = 100.36%						
Co 228.616†	78220.2	2.4283 mg/L	0.02368	2.4283 mg/L	0.02368	0.98%
QC value within limits for Co 228.616 Recovery = 97.13%						
Cr 267.716†	64818.6	0.97501 mg/L	0.010535	0.97501 mg/L	0.010535	1.08%
QC value within limits for Cr 267.716 Recovery = 97.50%						
Cu 324.752†	272887.9	1.2700 mg/L	0.00235	1.2700 mg/L	0.00235	0.19%
QC value within limits for Cu 324.752 Recovery = 101.60%						
Fe 273.955†	111207.9	5.0511 mg/L	0.05318	5.0511 mg/L	0.05318	1.05%
QC value within limits for Fe 273.955 Recovery = 101.02%						
Mg 279.077†	400967.9	25.613 mg/L	0.0297	25.613 mg/L	0.0297	0.12%
QC value within limits for Mg 279.077 Recovery = 102.45%						
Mn 257.610†	1364438.2	2.5404 mg/L	0.00204	2.5404 mg/L	0.00204	0.08%
QC value within limits for Mn 257.610 Recovery = 101.62%						
Ni 231.604†	59687.7	2.5062 mg/L	0.02300	2.5062 mg/L	0.02300	0.92%
QC value within limits for Ni 231.604 Recovery = 100.25%						
Pb 220.353†	2219.2	0.48688 mg/L	0.004451	0.48688 mg/L	0.004451	0.91%
QC value within limits for Pb 220.353 Recovery = 97.38%						
Sb 206.836†	690.0	0.46952 mg/L	0.002923	0.46952 mg/L	0.002923	0.62%
QC value within limits for Sb 206.836 Recovery = 93.90%						
Se 196.026†	292.8	0.48828 mg/L	0.003957	0.48828 mg/L	0.003957	0.81%
QC value within limits for Se 196.026 Recovery = 97.66%						
Tl 190.801	487.7	0.46793 mg/L	0.004050	0.46793 mg/L	0.004050	0.87%
QC value within limits for Tl 190.801 Recovery = 93.59%						
V 292.402†	293862.2	2.5369 mg/L	0.00461	2.5369 mg/L	0.00461	0.18%
QC value within limits for V 292.402 Recovery = 101.48%						
Zn 206.200†	61508.2	2.5075 mg/L	0.02620	2.5075 mg/L	0.02620	1.04%
QC value within limits for Zn 206.200 Recovery = 100.30%						
Cd 226.502†	10879.7	0.24608 mg/L	0.002789	0.24608 mg/L	0.002789	1.13%
QC value within limits for Cd 226.502 Recovery = 98.43%						
Ti 334.940†	288158.1	0.49962 mg/L	0.000918	0.49962 mg/L	0.000918	0.18%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ca 227.546†	4026.2	23.545 mg/L	0.2470	23.545 mg/L	0.2470	1.05%
QC value within limits for Ca 227.546 Recovery = 94.18%						
Na 589.592	178443.1	26.095 mg/L	0.1457	26.095 mg/L	0.1457	0.56%
QC value within limits for Na 589.592 Recovery = 104.38%						
K 766.490	53245.7	25.854 mg/L	0.0952	25.854 mg/L	0.0952	0.37%
QC value within limits for K 766.490 Recovery = 103.41%						

All analyte(s) passed QC.

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Sequence No.: 52 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 2:14:51 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:06 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1899188.4	98.304	%	1.1153				1.13%
Lu 261.542	1208699.1	98.37	%	1.078				1.10%
Ag 328.068†	-28.7	-0.00018	mg/L	0.000592	-0.00018	mg/L	0.000592	332.27%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	174.6	0.00840	mg/L	0.000711	0.00840	mg/L	0.000711	8.47%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.9	0.00414	mg/L	0.003603	0.00414	mg/L	0.003603	86.97%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	73.5	0.00092	mg/L	0.000278	0.00092	mg/L	0.000278	30.15%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	104.7	0.00005	mg/L	0.000030	0.00005	mg/L	0.000030	64.40%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	8.2	0.00026	mg/L	0.000271	0.00026	mg/L	0.000271	106.30%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	6.9	0.00010	mg/L	0.000052	0.00010	mg/L	0.000052	50.39%
QC value within limits for Cr 267.716 Recovery = Not calculated								

Cu 324.752†	172.2	0.00080 mg/L	0.000173	0.00080 mg/L	0.000173	21.55%	
QC value within limits for Cu 324.752 Recovery = Not calculated							
Fe 273.955†	11.4	0.00051 mg/L	0.000448	0.00051 mg/L	0.000448	88.26%	
QC value within limits for Fe 273.955 Recovery = Not calculated							
Mg 279.077†	91.6	0.00585 mg/L	0.002753	0.00585 mg/L	0.002753	47.03%	
QC value within limits for Mg 279.077 Recovery = Not calculated							
Mn 257.610†	148.7	0.00028 mg/L	0.000051	0.00028 mg/L	0.000051	18.49%	
QC value within limits for Mn 257.610 Recovery = Not calculated							
Ni 231.604†	10.6	0.00044 mg/L	0.000265	0.00044 mg/L	0.000265	59.50%	
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	-6.4	-0.00140 mg/L	0.000972	-0.00140 mg/L	0.000972	69.36%	
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	5.3	0.00368 mg/L	0.003181	0.00368 mg/L	0.003181	86.53%	
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	0.1	0.00011 mg/L	0.004388	0.00011 mg/L	0.004388	>999.9%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Tl 190.801	0.7	0.00068 mg/L	0.000668	0.00068 mg/L	0.000668	98.22%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.402†	8.0	0.00007 mg/L	0.000034	0.00007 mg/L	0.000034	48.38%	
QC value within limits for V 292.402 Recovery = Not calculated							
Zn 206.200†	-24.8	-0.00101 mg/L	0.000124	-0.00101 mg/L	0.000124	12.26%	
QC value within limits for Zn 206.200 Recovery = Not calculated							
Cd 226.502†	-0.5	-0.00001 mg/L	0.000145	-0.00001 mg/L	0.000145	>999.9%	
QC value within limits for Cd 226.502 Recovery = Not calculated							
Ti 334.940†	18.8	0.00003 mg/L	0.000067	0.00003 mg/L	0.000067	208.93%	
QC value within limits for Ti 334.940 Recovery = Not calculated							
Ca 227.546†	-2.0	-0.01221 mg/L	0.119181	-0.01221 mg/L	0.119181	975.82%	
QC value within limits for Ca 227.546 Recovery = Not calculated							
Na 589.592	197.1	0.02882 mg/L	0.007842	0.02882 mg/L	0.007842	27.21%	
QC value within limits for Na 589.592 Recovery = Not calculated							
K 766.490	39.0	0.01895 mg/L	0.015765	0.01895 mg/L	0.015765	83.19%	
QC value within limits for K 766.490 Recovery = Not calculated							

All analyte(s) passed QC.

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Sequence No.: 53 **Autosampler Location: 127**
Sample ID: MB-78022~PBS **Date Collected: 7/15/2014 2:18:30 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:06 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: MB-78022~PBS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1926946.3	99.740	%	0.8275				0.83%
Lu 261.542	1232317.0	100.3	%	0.88				0.87%
Ag 328.068†	-8.7	-0.00005	mg/L	0.000528	-0.00005	mg/L	0.000528	989.38%
Al 308.215†	338.3	0.01627	mg/L	0.005235	0.01627	mg/L	0.005235	32.17%
As 188.979†	4.7	0.00502	mg/L	0.004265	0.00502	mg/L	0.004265	85.01%
Ba 233.527†	29.7	0.00037	mg/L	0.000076	0.00037	mg/L	0.000076	20.50%
Be 313.107†	16.8	0.00001	mg/L	0.000020	0.00001	mg/L	0.000020	252.33%
Co 228.616†	-4.1	-0.00013	mg/L	0.000148	-0.00013	mg/L	0.000148	114.76%
Cr 267.716†	23.1	0.00035	mg/L	0.000132	0.00035	mg/L	0.000132	38.11%
Cu 324.752†	170.0	0.00079	mg/L	0.000513	0.00079	mg/L	0.000513	64.72%
Fe 273.955†	538.7	0.02403	mg/L	0.000534	0.02403	mg/L	0.000534	2.22%
Mg 279.077†	74.0	0.00474	mg/L	0.002628	0.00474	mg/L	0.002628	55.49%
Mn 257.610†	1051.0	0.00196	mg/L	0.000106	0.00196	mg/L	0.000106	5.41%
Ni 231.604†	4.2	0.00017	mg/L	0.000073	0.00017	mg/L	0.000073	42.10%
Pb 220.353†	-5.4	-0.00119	mg/L	0.001146	-0.00119	mg/L	0.001146	96.15%
Sb 206.836†	8.6	0.00594	mg/L	0.001259	0.00594	mg/L	0.001259	21.21%
Se 196.026†	0.9	0.00146	mg/L	0.000395	0.00146	mg/L	0.000395	27.05%
Tl 190.801	1.9	0.00195	mg/L	0.004278	0.00195	mg/L	0.004278	219.59%
V 292.402†	6.6	0.00006	mg/L	0.000087	0.00006	mg/L	0.000087	148.46%
Zn 206.200†	30.6	0.00125	mg/L	0.000100	0.00125	mg/L	0.000100	8.04%
Cd 226.502†	-6.7	-0.00015	mg/L	0.000131	-0.00015	mg/L	0.000131	86.12%
Ti 334.940†	197.9	0.00034	mg/L	0.000058	0.00034	mg/L	0.000058	16.81%
Ca 227.546†	-4.2	-0.02496	mg/L	0.087484	-0.02496	mg/L	0.087484	350.53%
Na 589.592	176.2	0.02576	mg/L	0.003029	0.02576	mg/L	0.003029	11.76%
K 766.490	150.5	0.07307	mg/L	0.025082	0.07307	mg/L	0.025082	34.33%

Sequence No.: 54 **Autosampler Location: 128**
Sample ID: LCS-78022~LCS **Date Collected: 7/15/2014 2:22:11 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:07 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LCS-78022~LCS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1841570.5	95.321	%	0.5819				0.61%
Lu 261.542	1179120.9	95.96	%	0.699				0.73%
Ag 328.068†	181768.0	1.1304	mg/L	0.00233	1.1304	mg/L	0.00233	0.21%
Al 308.215†	187508.0	8.9881	mg/L	0.02253	8.9881	mg/L	0.02253	0.25%
As 188.979†	434.3	0.46747	mg/L	0.003792	0.46747	mg/L	0.003792	0.81%
Ba 233.527†	750990.8	9.4204	mg/L	0.02260	9.4204	mg/L	0.02260	0.24%
Be 313.107†	515800.2	0.22802	mg/L	0.000526	0.22802	mg/L	0.000526	0.23%
Co 228.616†	74116.9	2.3019	mg/L	0.04064	2.3019	mg/L	0.04064	1.77%
Cr 267.716†	61973.5	0.93219	mg/L	0.016876	0.93219	mg/L	0.016876	1.81%
Cu 324.752†	248608.1	1.1570	mg/L	0.00266	1.1570	mg/L	0.00266	0.23%
Fe 273.955†	106436.7	4.8302	mg/L	0.08963	4.8302	mg/L	0.08963	1.86%
Mg 279.077†	361601.8	23.098	mg/L	0.0849	23.098	mg/L	0.0849	0.37%
Mn 257.610†	1258511.1	2.3432	mg/L	0.00292	2.3432	mg/L	0.00292	0.12%
Ni 231.604†	54731.7	2.2983	mg/L	0.04591	2.2983	mg/L	0.04591	2.00%
Pb 220.353†	2091.3	0.45849	mg/L	0.003607	0.45849	mg/L	0.003607	0.79%
Sb 206.836†	679.1	0.46180	mg/L	0.002958	0.46180	mg/L	0.002958	0.64%
Se 196.026†	264.5	0.44113	mg/L	0.007279	0.44113	mg/L	0.007279	1.65%
Tl 190.801	454.7	0.43687	mg/L	0.007928	0.43687	mg/L	0.007928	1.81%
V 292.402†	266886.8	2.3046	mg/L	0.00410	2.3046	mg/L	0.00410	0.18%
Zn 206.200†	55654.3	2.2690	mg/L	0.04493	2.2690	mg/L	0.04493	1.98%
Cd 226.502†	10408.9	0.23540	mg/L	0.004758	0.23540	mg/L	0.004758	2.02%
Ti 334.940†	752.4	0.00047	mg/L	0.000132	0.00047	mg/L	0.000132	28.20%
Ca 227.546†	3695.5	21.605	mg/L	0.0536	21.605	mg/L	0.0536	0.25%
Na 589.592	163325.8	23.884	mg/L	0.3210	23.884	mg/L	0.3210	1.34%
K 766.490	48761.7	23.676	mg/L	0.3046	23.676	mg/L	0.3046	1.29%

Sequence No.: 55 **Autosampler Location: 129**
Sample ID: N1137-02A~lod soil **Date Collected: 7/15/2014 2:25:55 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:08 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1137-02A~lod soil

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1910850.0	98.907	%	1.1805				1.19%
Lu 261.542	1221128.2	99.38	%	1.233				1.24%
Ag 328.068†	3213.5	0.01996	mg/L	0.000157	0.01996	mg/L	0.000157	0.79%
Al 308.215†	4651.2	0.22356	mg/L	0.012166	0.22356	mg/L	0.012166	5.44%
As 188.979†	11.6	0.01234	mg/L	0.003818	0.01234	mg/L	0.003818	30.94%
Ba 233.527†	317.5	0.00399	mg/L	0.000292	0.00399	mg/L	0.000292	7.31%
Be 313.107†	2255.4	0.00102	mg/L	0.000008	0.00102	mg/L	0.000008	0.81%
Co 228.616†	67.1	0.00206	mg/L	0.000140	0.00206	mg/L	0.000140	6.79%
Cr 267.716†	171.5	0.00257	mg/L	0.000075	0.00257	mg/L	0.000075	2.92%
Cu 324.752†	2516.8	0.01172	mg/L	0.000539	0.01172	mg/L	0.000539	4.60%
Fe 273.955†	2949.6	0.13169	mg/L	0.002344	0.13169	mg/L	0.002344	1.78%
Mg 279.077†	3475.9	0.22208	mg/L	0.007203	0.22208	mg/L	0.007203	3.24%
Mn 257.610†	18486.5	0.03443	mg/L	0.000790	0.03443	mg/L	0.000790	2.29%
Ni 231.604†	62.3	0.00260	mg/L	0.000485	0.00260	mg/L	0.000485	18.68%
Pb 220.353†	48.6	0.01066	mg/L	0.000957	0.01066	mg/L	0.000957	8.97%
Sb 206.836†	44.5	0.03085	mg/L	0.001624	0.03085	mg/L	0.001624	5.26%
Se 196.026†	22.0	0.03648	mg/L	0.005538	0.03648	mg/L	0.005538	15.18%
Tl 190.801	24.4	0.02502	mg/L	0.003473	0.02502	mg/L	0.003473	13.88%
V 292.402†	460.4	0.00397	mg/L	0.000251	0.00397	mg/L	0.000251	6.32%
Zn 206.200†	402.0	0.01637	mg/L	0.000478	0.01637	mg/L	0.000478	2.92%

Cd 226.502†	130.0	0.00293	mg/L	0.000037	0.00293	mg/L	0.000037	1.26%
Ti 334.940†	5988.8	0.01040	mg/L	0.000320	0.01040	mg/L	0.000320	3.08%
Ca 227.546†	43.4	0.26059	mg/L	0.043284	0.26059	mg/L	0.043284	16.61%
Na 589.592	942.9	0.13779	mg/L	0.013565	0.13779	mg/L	0.013565	9.84%
K 766.490	571.8	0.27762	mg/L	0.007930	0.27762	mg/L	0.007930	2.86%

Sequence No.: 56 **Autosampler Location: 130**
Sample ID: N1137-02A~lod soil **Date Collected: 7/15/2014 2:29:36 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:08 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1137-02A~lod soil

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1902041.3	98.451	%	2.2385				2.27%
Lu 261.542	1216706.3	99.02	%	2.353				2.38%
Ag 328.068†	1605.3	0.00997	mg/L	0.000631	0.00997	mg/L	0.000631	6.33%
Al 308.215†	2613.4	0.12561	mg/L	0.009034	0.12561	mg/L	0.009034	7.19%
As 188.979†	6.8	0.00723	mg/L	0.003012	0.00723	mg/L	0.003012	41.64%
Ba 233.527†	162.1	0.00204	mg/L	0.000063	0.00204	mg/L	0.000063	3.08%
Be 313.107†	1091.0	0.00049	mg/L	0.000025	0.00049	mg/L	0.000025	5.05%
Co 228.616†	26.3	0.00080	mg/L	0.000100	0.00080	mg/L	0.000100	12.39%
Cr 267.716†	96.7	0.00145	mg/L	0.000173	0.00145	mg/L	0.000173	11.95%
Cu 324.752†	1287.2	0.00600	mg/L	0.000743	0.00600	mg/L	0.000743	12.39%
Fe 273.955†	3537.5	0.15786	mg/L	0.004359	0.15786	mg/L	0.004359	2.76%
Mg 279.077†	1816.4	0.11609	mg/L	0.001238	0.11609	mg/L	0.001238	1.07%
Mn 257.610†	10994.2	0.02048	mg/L	0.000374	0.02048	mg/L	0.000374	1.83%
Ni 231.604†	25.9	0.00108	mg/L	0.000364	0.00108	mg/L	0.000364	33.74%
Pb 220.353†	18.0	0.00395	mg/L	0.001282	0.00395	mg/L	0.001282	32.43%
Sb 206.836†	22.5	0.01560	mg/L	0.002304	0.01560	mg/L	0.002304	14.77%
Se 196.026†	11.8	0.01964	mg/L	0.002320	0.01964	mg/L	0.002320	11.81%
Tl 190.801	14.9	0.01526	mg/L	0.002266	0.01526	mg/L	0.002266	14.85%
V 292.402†	228.8	0.00198	mg/L	0.000287	0.00198	mg/L	0.000287	14.48%
Zn 206.200†	208.0	0.00847	mg/L	0.000206	0.00847	mg/L	0.000206	2.43%
Cd 226.502†	61.3	0.00138	mg/L	0.000055	0.00138	mg/L	0.000055	4.03%
Ti 334.940†	3249.0	0.00564	mg/L	0.000120	0.00564	mg/L	0.000120	2.14%
Ca 227.546†	32.2	0.19383	mg/L	0.085041	0.19383	mg/L	0.085041	43.87%
Na 589.592	591.8	0.08649	mg/L	0.011282	0.08649	mg/L	0.011282	13.04%
K 766.490	345.2	0.16761	mg/L	0.039151	0.16761	mg/L	0.039151	23.36%

Sequence No.: 57 **Autosampler Location: 131**
Sample ID: N1137-02A~lod soil **Date Collected: 7/15/2014 2:33:17 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:09 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1137-02A~lod soil

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1873740.1	96.986	%	2.2160				2.28%
Lu 261.542	1197291.3	97.44	%	2.302				2.36%
Ag 328.068†	554.7	0.00345	mg/L	0.000375	0.00345	mg/L	0.000375	10.88%
Al 308.215†	1757.9	0.08450	mg/L	0.010605	0.08450	mg/L	0.010605	12.55%
As 188.979†	4.8	0.00507	mg/L	0.002824	0.00507	mg/L	0.002824	55.66%
Ba 233.527†	84.4	0.00106	mg/L	0.000047	0.00106	mg/L	0.000047	4.40%
Be 313.107†	464.3	0.00021	mg/L	0.000040	0.00021	mg/L	0.000040	18.97%
Co 228.616†	11.6	0.00035	mg/L	0.000329	0.00035	mg/L	0.000329	93.03%
Cr 267.716†	55.8	0.00084	mg/L	0.000247	0.00084	mg/L	0.000247	29.61%
Cu 324.752†	671.0	0.00312	mg/L	0.000077	0.00312	mg/L	0.000077	2.45%
Fe 273.955†	1291.2	0.05761	mg/L	0.001033	0.05761	mg/L	0.001033	1.79%
Mg 279.077†	812.9	0.05195	mg/L	0.004448	0.05195	mg/L	0.004448	8.56%
Mn 257.610†	4652.8	0.00867	mg/L	0.000153	0.00867	mg/L	0.000153	1.77%
Ni 231.604†	15.6	0.00065	mg/L	0.000315	0.00065	mg/L	0.000315	48.44%
Pb 220.353†	13.9	0.00305	mg/L	0.000165	0.00305	mg/L	0.000165	5.40%

Sb 206.836†	11.3	0.00783	mg/L	0.001323	0.00783	mg/L	0.001323	16.90%
Se 196.026†	5.3	0.00880	mg/L	0.003944	0.00880	mg/L	0.003944	44.79%
Tl 190.801	5.9	0.00601	mg/L	0.004008	0.00601	mg/L	0.004008	66.65%
V 292.402†	76.1	0.00066	mg/L	0.000073	0.00066	mg/L	0.000073	11.03%
Zn 206.200†	70.4	0.00287	mg/L	0.000220	0.00287	mg/L	0.000220	7.66%
Cd 226.502†	21.0	0.00047	mg/L	0.000055	0.00047	mg/L	0.000055	11.57%
Ti 334.940†	1437.7	0.00250	mg/L	0.000074	0.00250	mg/L	0.000074	2.95%
Ca 227.546†	16.5	0.09911	mg/L	0.089550	0.09911	mg/L	0.089550	90.35%
Na 589.592	273.7	0.03998	mg/L	0.003818	0.03998	mg/L	0.003818	9.55%
K 766.490	163.7	0.07949	mg/L	0.011582	0.07949	mg/L	0.011582	14.57%

Sequence No.: 58 **Autosampler Location: 132**
Sample ID: N1137-04A~loq soil **Date Collected: 7/15/2014 2:36:58 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:10 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1137-04A~loq soil

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1877962.5	97.205	%	1.0215				1.05%
Lu 261.542	1201613.2	97.79	%	1.043				1.07%
Ag 328.068†	4858.3	0.03021	mg/L	0.000290	0.03021	mg/L	0.000290	0.96%
Al 308.215†	4863.6	0.23317	mg/L	0.011294	0.23317	mg/L	0.011294	4.84%
As 188.979†	22.9	0.02443	mg/L	0.001767	0.02443	mg/L	0.001767	7.23%
Ba 233.527†	17634.1	0.22120	mg/L	0.002545	0.22120	mg/L	0.002545	1.15%
Be 313.107†	12061.1	0.00537	mg/L	0.000111	0.00537	mg/L	0.000111	2.07%
Co 228.616†	1661.2	0.05155	mg/L	0.000482	0.05155	mg/L	0.000482	0.93%
Cr 267.716†	1414.9	0.02128	mg/L	0.000486	0.02128	mg/L	0.000486	2.28%
Cu 324.752†	7229.0	0.03365	mg/L	0.000836	0.03365	mg/L	0.000836	2.48%
Fe 273.955†	6102.8	0.27411	mg/L	0.001642	0.27411	mg/L	0.001642	0.60%
Mg 279.077†	8414.7	0.53759	mg/L	0.006147	0.53759	mg/L	0.006147	1.14%
Mn 257.610†	31007.4	0.05774	mg/L	0.000709	0.05774	mg/L	0.000709	1.23%
Ni 231.604†	1226.0	0.05147	mg/L	0.000788	0.05147	mg/L	0.000788	1.53%
Pb 220.353†	48.7	0.01069	mg/L	0.000367	0.01069	mg/L	0.000367	3.44%
Sb 206.836†	31.8	0.02185	mg/L	0.002452	0.02185	mg/L	0.002452	11.22%
Se 196.026†	13.5	0.02252	mg/L	0.004204	0.02252	mg/L	0.004204	18.67%
Tl 190.801	20.1	0.01998	mg/L	0.001226	0.01998	mg/L	0.001226	6.14%
V 292.402†	6054.9	0.05227	mg/L	0.000525	0.05227	mg/L	0.000525	1.00%
Zn 206.200†	1239.0	0.05051	mg/L	0.000492	0.05051	mg/L	0.000492	0.97%
Cd 226.502†	226.7	0.00512	mg/L	0.000024	0.00512	mg/L	0.000024	0.47%
Ti 334.940†	12039.6	0.02090	mg/L	0.000291	0.02090	mg/L	0.000291	1.39%
Ca 227.546†	129.8	0.76729	mg/L	0.017583	0.76729	mg/L	0.017583	2.29%
Na 589.592	7444.1	1.0887	mg/L	0.01719	1.0887	mg/L	0.01719	1.58%
K 766.490	2358.6	1.1452	mg/L	0.01786	1.1452	mg/L	0.01786	1.56%

Sequence No.: 59 **Autosampler Location: 133**
Sample ID: N1137-04A~loq soil **Date Collected: 7/15/2014 2:40:39 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:10 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1137-04A~loq soil

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1871492.8	96.870	%	2.2156				2.29%
Lu 261.542	1196433.2	97.37	%	2.271				2.33%
Ag 328.068†	4801.0	0.02985	mg/L	0.000505	0.02985	mg/L	0.000505	1.69%
Al 308.215†	4741.2	0.22729	mg/L	0.009037	0.22729	mg/L	0.009037	3.98%
As 188.979†	20.4	0.02179	mg/L	0.003357	0.02179	mg/L	0.003357	15.41%
Ba 233.527†	17308.8	0.21712	mg/L	0.004668	0.21712	mg/L	0.004668	2.15%
Be 313.107†	11789.0	0.00525	mg/L	0.000078	0.00525	mg/L	0.000078	1.49%
Co 228.616†	1644.2	0.05102	mg/L	0.001259	0.05102	mg/L	0.001259	2.47%
Cr 267.716†	1424.3	0.02142	mg/L	0.000779	0.02142	mg/L	0.000779	3.64%
Cu 324.752†	7010.3	0.03264	mg/L	0.000805	0.03264	mg/L	0.000805	2.47%

Fe 273.955†	7976.1	0.35765 mg/L	0.007676	0.35765 mg/L	0.007676	2.15%
Mg 279.077†	8372.4	0.53493 mg/L	0.012103	0.53493 mg/L	0.012103	2.26%
Mn 257.610†	32189.9	0.05994 mg/L	0.001392	0.05994 mg/L	0.001392	2.32%
Ni 231.604†	1206.2	0.05064 mg/L	0.001255	0.05064 mg/L	0.001255	2.48%
Pb 220.353†	46.7	0.01025 mg/L	0.000978	0.01025 mg/L	0.000978	9.55%
Sb 206.836†	28.0	0.01919 mg/L	0.002496	0.01919 mg/L	0.002496	13.01%
Se 196.026†	15.2	0.02534 mg/L	0.002660	0.02534 mg/L	0.002660	10.50%
Tl 190.801	15.9	0.01567 mg/L	0.002706	0.01567 mg/L	0.002706	17.27%
V 292.402†	5961.0	0.05147 mg/L	0.001366	0.05147 mg/L	0.001366	2.65%
Zn 206.200†	1234.0	0.05031 mg/L	0.001291	0.05031 mg/L	0.001291	2.57%
Cd 226.502†	224.3	0.00506 mg/L	0.000221	0.00506 mg/L	0.000221	4.36%
Ti 334.940†	11769.3	0.02043 mg/L	0.000553	0.02043 mg/L	0.000553	2.71%
Ca 227.546†	127.3	0.75313 mg/L	0.055846	0.75313 mg/L	0.055846	7.42%
Na 589.592	7388.0	1.0805 mg/L	0.01051	1.0805 mg/L	0.01051	0.97%
K 766.490	2306.3	1.1198 mg/L	0.02995	1.1198 mg/L	0.02995	2.67%

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Sequence No.: 60 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 2:44:20 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:11 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1850935.3	95.806	%	0.3221				0.34%
Lu 261.542	1183741.5	96.34	%	0.313				0.33%
Ag 328.068†	200954.3	1.2497	mg/L	0.00029	1.2497	mg/L	0.00029	0.02%
QC value within limits for Ag 328.068 Recovery = 99.98%								
Al 308.215†	212577.4	10.191	mg/L	0.0013	10.191	mg/L	0.0013	0.01%
QC value within limits for Al 308.215 Recovery = 101.91%								
As 188.979†	466.5	0.50202	mg/L	0.005248	0.50202	mg/L	0.005248	1.05%
QC value within limits for As 188.979 Recovery = 100.40%								
Ba 233.527†	818044.1	10.262	mg/L	0.0130	10.262	mg/L	0.0130	0.13%
QC value within limits for Ba 233.527 Recovery = 102.62%								
Be 313.107†	564577.3	0.25046	mg/L	0.000347	0.25046	mg/L	0.000347	0.14%
QC value within limits for Be 313.107 Recovery = 100.19%								
Co 228.616†	79580.1	2.4705	mg/L	0.01242	2.4705	mg/L	0.01242	0.50%
QC value within limits for Co 228.616 Recovery = 98.82%								
Cr 267.716†	66083.1	0.99403	mg/L	0.003596	0.99403	mg/L	0.003596	0.36%
QC value within limits for Cr 267.716 Recovery = 99.40%								
Cu 324.752†	273234.2	1.2716	mg/L	0.00072	1.2716	mg/L	0.00072	0.06%
QC value within limits for Cu 324.752 Recovery = 101.73%								
Fe 273.955†	113194.9	5.1399	mg/L	0.02497	5.1399	mg/L	0.02497	0.49%
QC value within limits for Fe 273.955 Recovery = 102.80%								
Mg 279.077†	400694.8	25.595	mg/L	0.0295	25.595	mg/L	0.0295	0.12%
QC value within limits for Mg 279.077 Recovery = 102.38%								
Mn 257.610†	1362607.5	2.5370	mg/L	0.00321	2.5370	mg/L	0.00321	0.13%
QC value within limits for Mn 257.610 Recovery = 101.48%								
Ni 231.604†	60788.7	2.5524	mg/L	0.01097	2.5524	mg/L	0.01097	0.43%
QC value within limits for Ni 231.604 Recovery = 102.10%								
Pb 220.353†	2223.4	0.48779	mg/L	0.000868	0.48779	mg/L	0.000868	0.18%
QC value within limits for Pb 220.353 Recovery = 97.56%								
Sb 206.836†	689.2	0.46872	mg/L	0.004880	0.46872	mg/L	0.004880	1.04%
QC value within limits for Sb 206.836 Recovery = 93.74%								
Se 196.026†	296.3	0.49404	mg/L	0.004246	0.49404	mg/L	0.004246	0.86%
QC value within limits for Se 196.026 Recovery = 98.81%								
Tl 190.801	489.3	0.46923	mg/L	0.002496	0.46923	mg/L	0.002496	0.53%
QC value within limits for Tl 190.801 Recovery = 93.85%								
V 292.402†	294224.6	2.5401	mg/L	0.00064	2.5401	mg/L	0.00064	0.03%
QC value within limits for V 292.402 Recovery = 101.60%								
Zn 206.200†	62527.9	2.5491	mg/L	0.01796	2.5491	mg/L	0.01796	0.70%
QC value within limits for Zn 206.200 Recovery = 101.96%								
Cd 226.502†	11096.7	0.25099	mg/L	0.001499	0.25099	mg/L	0.001499	0.60%
QC value within limits for Cd 226.502 Recovery = 100.40%								
Ti 334.940†	288718.1	0.50059	mg/L	0.000725	0.50059	mg/L	0.000725	0.14%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4052.6	23.695	mg/L	0.1762	23.695	mg/L	0.1762	0.74%

QC value within limits for Ca 227.546 Recovery = 94.78%
Na 589.592 179586.1 26.262 mg/L 0.3664 26.262 mg/L 0.3664 1.40%
QC value within limits for Na 589.592 Recovery = 105.05%
K 766.490 53255.6 25.858 mg/L 0.3568 25.858 mg/L 0.3568 1.38%
QC value within limits for K 766.490 Recovery = 103.43%
All analyte(s) passed QC.

Sequence No.: 61 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 2:48:03 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:12 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1902303.0	98.465	%	0.9876				1.00%
Lu 261.542	1209068.7	98.40	%	0.989				1.01%
Ag 328.068†	-33.4	-0.00021	mg/L	0.000476	-0.00021	mg/L	0.000476	230.04%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	199.8	0.00962	mg/L	0.002098	0.00962	mg/L	0.002098	21.82%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	6.1	0.00642	mg/L	0.000803	0.00642	mg/L	0.000803	12.51%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	58.7	0.00074	mg/L	0.000213	0.00074	mg/L	0.000213	28.88%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	77.5	0.00003	mg/L	0.000035	0.00003	mg/L	0.000035	100.49%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	-3.3	-0.00010	mg/L	0.000230	-0.00010	mg/L	0.000230	224.50%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	11.7	0.00018	mg/L	0.000161	0.00018	mg/L	0.000161	91.22%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	176.2	0.00082	mg/L	0.000238	0.00082	mg/L	0.000238	28.98%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	7.0	0.00032	mg/L	0.000224	0.00032	mg/L	0.000224	69.41%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	44.0	0.00281	mg/L	0.002061	0.00281	mg/L	0.002061	73.34%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	116.4	0.00022	mg/L	0.000022	0.00022	mg/L	0.000022	10.07%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	12.8	0.00054	mg/L	0.000151	0.00054	mg/L	0.000151	28.02%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.1	0.00024	mg/L	0.000975	0.00024	mg/L	0.000975	400.05%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	5.0	0.00347	mg/L	0.003367	0.00347	mg/L	0.003367	96.96%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.7	0.00123	mg/L	0.013218	0.00123	mg/L	0.013218	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	0.7	0.00067	mg/L	0.004533	0.00067	mg/L	0.004533	679.15%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	43.7	0.00038	mg/L	0.000276	0.00038	mg/L	0.000276	72.98%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-22.3	-0.00091	mg/L	0.000138	-0.00091	mg/L	0.000138	15.20%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	-1.5	-0.00003	mg/L	0.000067	-0.00003	mg/L	0.000067	200.78%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	47.3	0.00008	mg/L	0.000033	0.00008	mg/L	0.000033	40.71%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	-8.5	-0.05107	mg/L	0.075285	-0.05107	mg/L	0.075285	147.40%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	145.9	0.02134	mg/L	0.007249	0.02134	mg/L	0.007249	33.97%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	-28.7	-0.01395	mg/L	0.015796	-0.01395	mg/L	0.015796	113.24%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 62 **Autosampler Location: 134**

Sample ID: N1176-13A~SB-13-08-07081 **Date Collected: 7/15/2014 2:51:42 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:13 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-13A~SB-13-08-07081

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1735314.4	89.821	%	0.8397				0.93%
Lu 261.542	1012921.1	82.44	%	0.767				0.93%
Ag 328.068†	3509.3	0.06773	mg/L	0.001067	0.06773	mg/L	0.001067	1.57%
Al 308.215†	6511220.1	312.77	mg/L	0.547	312.77	mg/L	0.547	0.18%
As 188.979†	-2.5	0.28399	mg/L	0.006294	0.28399	mg/L	0.006294	2.22%
Ba 233.527†	230566.9	2.8918	mg/L	0.00568	2.8918	mg/L	0.00568	0.20%
Be 313.107†	81454.3	0.05040	mg/L	0.000030	0.05040	mg/L	0.000030	0.06%
Co 228.616†	7501.8	0.21620	mg/L	0.004494	0.21620	mg/L	0.004494	2.08%
Cr 267.716†	66504.6	1.0004	mg/L	0.00096	1.0004	mg/L	0.00096	0.10%
Cu 324.752†	387746.4	1.9722	mg/L	0.00204	1.9722	mg/L	0.00204	0.10%
Fe 273.955†	53920807.6	2405.4	mg/L	11.44	2405.4	mg/L	11.44	0.48%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	4202117.8	269.57	mg/L	0.527	269.57	mg/L	0.527	0.20%
Mn 257.610†	Saturated2							
Ni 231.604†	14474.7	0.60136	mg/L	0.011334	0.60136	mg/L	0.011334	1.88%
Pb 220.353†	19698.4	4.2550	mg/L	0.06255	4.2550	mg/L	0.06255	1.47%
Sb 206.836†	107.8	0.00065	mg/L	0.022808	0.00065	mg/L	0.022808	>999.9%
Se 196.026†	-777.0	-0.35129	mg/L	0.059096	-0.35129	mg/L	0.059096	16.82%
Tl 190.801	-411.3	-0.17714	mg/L	0.022353	-0.17714	mg/L	0.022353	12.62%
V 292.402†	42458.8	0.50075	mg/L	0.003015	0.50075	mg/L	0.003015	0.60%
Zn 206.200†	339747.6	13.768	mg/L	0.0425	13.768	mg/L	0.0425	0.31%
Cd 226.502†	15183.2	0.23885	mg/L	0.000269	0.23885	mg/L	0.000269	0.11%
Ti 334.940†	4722567.3	8.2125	mg/L	0.00630	8.2125	mg/L	0.00630	0.08%
Ca 227.546†	241539.6	1471.1	mg/L	2.79	1471.1	mg/L	2.79	0.19%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	64468.1	9.2606	mg/L	0.04640	9.2606	mg/L	0.04640	0.50%
K 766.490	101366.9	49.219	mg/L	0.2840	49.219	mg/L	0.2840	0.58%

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Sequence No.: 63 **Autosampler Location: 135**
Sample ID: N1176-14A~SB-14-10-07081 **Date Collected: 7/15/2014 2:54:56 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:13 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-14A~SB-14-10-07081

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1687939.7	87.369	%	0.7070				0.81%
Lu 261.542	1055295.6	85.89	%	0.981				1.14%
Ag 328.068†	6984.1	0.08607	mg/L	0.000981	0.08607	mg/L	0.000981	1.14%
Al 308.215†	1725522.5	82.875	mg/L	1.6637	82.875	mg/L	1.6637	2.01%
As 188.979†	1634.9	1.9978	mg/L	0.00407	1.9978	mg/L	0.00407	0.20%
Ba 233.527†	150062.5	1.8822	mg/L	0.03636	1.8822	mg/L	0.03636	1.93%
Be 313.107†	12886.4	0.01304	mg/L	0.000304	0.01304	mg/L	0.000304	2.33%
Co 228.616†	6558.6	0.19497	mg/L	0.002005	0.19497	mg/L	0.002005	1.03%
Cr 267.716†	212280.9	3.1928	mg/L	0.06370	3.1928	mg/L	0.06370	2.00%
Cu 324.752†	687386.6	3.3542	mg/L	0.06753	3.3542	mg/L	0.06753	2.01%
Fe 273.955†	50193640.2	2239.2	mg/L	32.56	2239.2	mg/L	32.56	1.45%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	1620227.8	104.58	mg/L	2.108	104.58	mg/L	2.108	2.02%
Mn 257.610†	Saturated3							
Ni 231.604†	33688.3	1.4117	mg/L	0.00997	1.4117	mg/L	0.00997	0.71%
Pb 220.353†	43663.6	9.4810	mg/L	0.03740	9.4810	mg/L	0.03740	0.39%
Sb 206.836†	175.7	0.01944	mg/L	0.015045	0.01944	mg/L	0.015045	77.39%
Se 196.026†	-665.0	-0.21548	mg/L	0.065831	-0.21548	mg/L	0.065831	30.55%
Tl 190.801	-496.4	-0.30492	mg/L	0.022378	-0.30492	mg/L	0.022378	7.34%
V 292.402†	32128.2	0.41062	mg/L	0.009152	0.41062	mg/L	0.009152	2.23%
Zn 206.200†	221607.0	8.9716	mg/L	0.18361	8.9716	mg/L	0.18361	2.05%

Cd 226.502†	12266.7	0.18046	mg/L	0.003010	0.18046	mg/L	0.003010	1.67%
Ti 334.940†	2407949.5	4.1836	mg/L	0.08549	4.1836	mg/L	0.08549	2.04%
Ca 227.546†	69429.2	439.53	mg/L	8.321	439.53	mg/L	8.321	1.89%
Na 589.592	38399.2	5.5718	mg/L	0.01298	5.5718	mg/L	0.01298	0.23%
K 766.490	50264.2	24.406	mg/L	0.0700	24.406	mg/L	0.0700	0.29%

Sequence No.: 64 **Autosampler Location: 136**
Sample ID: N1176-15A~SB-15-08-07081 **Date Collected: 7/15/2014 2:58:06 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:14 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-15A~SB-15-08-07081

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1814155.8	93.902	%	0.9933				1.06%
Lu 261.542	1137273.2	92.56	%	0.470				0.51%
Ag 328.068†	577.9	0.02652	mg/L	0.000328	0.02652	mg/L	0.000328	1.24%
Al 308.215†	4105022.8	197.39	mg/L	2.216	197.39	mg/L	2.216	1.12%
As 188.979†	57.2	0.18430	mg/L	0.010568	0.18430	mg/L	0.010568	5.73%
Ba 233.527†	37171.7	0.46648	mg/L	0.004792	0.46648	mg/L	0.004792	1.03%
Be 313.107†	-4143.5	0.00232	mg/L	0.000088	0.00232	mg/L	0.000088	3.77%
Co 228.616†	2838.0	0.08332	mg/L	0.000876	0.08332	mg/L	0.000876	1.05%
Cr 267.716†	16618.2	0.24443	mg/L	0.001914	0.24443	mg/L	0.001914	0.78%
Cu 324.752†	12234.6	0.14081	mg/L	0.000826	0.14081	mg/L	0.000826	0.59%
Fe 273.955†	26820622.9	1196.5	mg/L	2.57	1196.5	mg/L	2.57	0.21%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	183507.7	12.308	mg/L	0.1552	12.308	mg/L	0.1552	1.26%
Mn 257.610†	8300692.5	15.462	mg/L	0.0347	15.462	mg/L	0.0347	0.22%
Ni 231.604†	3431.1	0.14270	mg/L	0.001153	0.14270	mg/L	0.001153	0.81%
Pb 220.353†	1140.5	0.21500	mg/L	0.004006	0.21500	mg/L	0.004006	1.86%
Sb 206.836†	37.1	-0.02043	mg/L	0.007284	-0.02043	mg/L	0.007284	35.66%
Se 196.026†	-284.0	0.00795	mg/L	0.019590	0.00795	mg/L	0.019590	246.42%
Tl 190.801	-136.7	-0.05583	mg/L	0.005081	-0.05583	mg/L	0.005081	9.10%
V 292.402†	32357.4	0.34725	mg/L	0.003097	0.34725	mg/L	0.003097	0.89%
Zn 206.200†	8795.5	0.32255	mg/L	0.003903	0.32255	mg/L	0.003903	1.21%
Cd 226.502†	4603.7	0.05224	mg/L	0.001087	0.05224	mg/L	0.001087	2.08%
Ti 334.940†	1359254.1	2.3610	mg/L	0.02605	2.3610	mg/L	0.02605	1.10%
Ca 227.546†	5192.2	44.044	mg/L	0.3389	44.044	mg/L	0.3389	0.77%
Na 589.592	41827.5	6.0115	mg/L	0.11316	6.0115	mg/L	0.11316	1.88%
K 766.490	59869.6	29.070	mg/L	0.5443	29.070	mg/L	0.5443	1.87%

Sequence No.: 65 **Autosampler Location: 137**
Sample ID: N1176-16A~SB-16-10-07081 **Date Collected: 7/15/2014 3:02:04 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:15 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-16A~SB-16-10-07081

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1768807.0	91.555	%	0.6485				0.71%
Lu 261.542	1080923.9	87.97	%	0.480				0.55%
Ag 328.068†	3119.3	0.04888	mg/L	0.000389	0.04888	mg/L	0.000389	0.80%
Al 308.215†	2377013.1	114.20	mg/L	1.314	114.20	mg/L	1.314	1.15%
As 188.979†	76.5	0.24633	mg/L	0.005519	0.24633	mg/L	0.005519	2.24%
Ba 233.527†	93617.4	1.1743	mg/L	0.00853	1.1743	mg/L	0.00853	0.73%
Be 313.107†	12321.1	0.01517	mg/L	0.000109	0.01517	mg/L	0.000109	0.72%
Co 228.616†	4112.8	0.11640	mg/L	0.000169	0.11640	mg/L	0.000169	0.15%
Cr 267.716†	29846.2	0.43106	mg/L	0.003537	0.43106	mg/L	0.003537	0.82%
Cu 324.752†	113956.4	0.63836	mg/L	0.004518	0.63836	mg/L	0.004518	0.71%
Fe 273.955†	34626134.5	1544.7	mg/L	1.77	1544.7	mg/L	1.77	0.11%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	1450534.9	93.405	mg/L	1.1747	93.405	mg/L	1.1747	1.26%
Mn 257.610†	26442979.8	49.251	mg/L	0.5464	49.251	mg/L	0.5464	1.11%

Ni 231.604†	9129.2	0.37958	mg/L	0.000717	0.37958	mg/L	0.000717	0.19%
Pb 220.353†	18232.1	3.9435	mg/L	0.01069	3.9435	mg/L	0.01069	0.27%
Sb 206.836†	49.1	-0.01287	mg/L	0.007752	-0.01287	mg/L	0.007752	60.24%
Se 196.026†	-394.6	-0.06984	mg/L	0.001267	-0.06984	mg/L	0.001267	1.81%
Tl 190.801	-205.1	-0.11744	mg/L	0.003419	-0.11744	mg/L	0.003419	2.91%
V 292.402†	28989.3	0.33575	mg/L	0.001349	0.33575	mg/L	0.001349	0.40%
Zn 206.200†	152069.6	6.1499	mg/L	0.05341	6.1499	mg/L	0.05341	0.87%
Cd 226.502†	6942.0	0.09003	mg/L	0.001973	0.09003	mg/L	0.001973	2.19%
Ti 334.940†	3188545.4	5.5408	mg/L	0.07114	5.5408	mg/L	0.07114	1.28%
Ca 227.546†	72119.6	448.18	mg/L	3.983	448.18	mg/L	3.983	0.89%
Na 589.592	47104.7	6.8282	mg/L	0.15587	6.8282	mg/L	0.15587	2.28%
K 766.490	63798.7	30.978	mg/L	0.6561	30.978	mg/L	0.6561	2.12%

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Sequence No.: 66 **Autosampler Location: 138**
Sample ID: N1176-21A~SB-10-10-07081 **Date Collected: 7/15/2014 3:06:18 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:15 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-21A~SB-10-10-07081

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1610154.2	83.343	%	0.5276				0.63%
Lu 261.542	Saturated2							
Ag 328.068†	5465.4	0.08881	mg/L	0.000455	0.08881	mg/L	0.000455	0.51%
Al 308.215†	2366126.3	113.63	mg/L	0.661	113.63	mg/L	0.661	0.58%
As 188.979†	-71.4	0.27313	mg/L	0.031004	0.27313	mg/L	0.031004	11.35%
Ba 233.527†	139108.3	1.7446	mg/L	0.00940	1.7446	mg/L	0.00940	0.54%
Be 313.107†	22402.1	0.01940	mg/L	0.000106	0.01940	mg/L	0.000106	0.54%
Co 228.616†	12043.1	0.36255	mg/L	0.002515	0.36255	mg/L	0.002515	0.69%
Cr 267.716†	268101.7	4.0322	mg/L	0.02514	4.0322	mg/L	0.02514	0.62%
Cu 324.752†	2297391.3	10.888	mg/L	0.0671	10.888	mg/L	0.0671	0.62%
Fe 273.955†	64700174.4	2886.3	mg/L	11.48	2886.3	mg/L	11.48	0.40%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2206100.1	142.32	mg/L	0.818	142.32	mg/L	0.818	0.57%
Mn 257.610†	Saturated2							
Ni 231.604†	75826.2	3.1802	mg/L	0.01970	3.1802	mg/L	0.01970	0.62%
Pb 220.353†	66684.7	14.500	mg/L	0.0729	14.500	mg/L	0.0729	0.50%
Sb 206.836†	246.8	0.03874	mg/L	0.002032	0.03874	mg/L	0.002032	5.24%
Se 196.026†	-1220.6	-0.88373	mg/L	0.049146	-0.88373	mg/L	0.049146	5.56%
Tl 190.801	-656.1	-0.40578	mg/L	0.049828	-0.40578	mg/L	0.049828	12.28%
V 292.402†	16340.3	0.31280	mg/L	0.003372	0.31280	mg/L	0.003372	1.08%
Zn 206.200†	497208.7	20.180	mg/L	0.1091	20.180	mg/L	0.1091	0.54%
Cd 226.502†	23832.6	0.41395	mg/L	0.003856	0.41395	mg/L	0.003856	0.93%
Ti 334.940†	3115469.0	5.4142	mg/L	0.03252	5.4142	mg/L	0.03252	0.60%
Ca 227.546†	109596.2	686.75	mg/L	5.382	686.75	mg/L	5.382	0.78%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	36042.3	5.2104	mg/L	0.08720	5.2104	mg/L	0.08720	1.67%
K 766.490	55129.7	26.768	mg/L	0.3796	26.768	mg/L	0.3796	1.42%

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Sequence No.: 67 **Autosampler Location: 139**
Sample ID: N1176-21ADUP~SB-10-10-07 **Date Collected: 7/15/2014 3:09:24 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:16 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-21ADUP~SB-10-10-07

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1699353.7	87.960	%	0.1710				0.19%
Lu 261.542	1058584.5	86.15	%	0.620				0.72%
Ag 328.068†	4765.9	0.06913	mg/L	0.000676	0.06913	mg/L	0.000676	0.98%
Al 308.215†	2452829.0	117.80	mg/L	0.114	117.80	mg/L	0.114	0.10%
As 188.979†	-75.0	0.16764	mg/L	0.011370	0.16764	mg/L	0.011370	6.78%
Ba 233.527†	136926.6	1.7173	mg/L	0.00228	1.7173	mg/L	0.00228	0.13%

Be 313.107†	34279.8	0.02112	mg/L	0.000009	0.02112	mg/L	0.000009	0.04%
Co 228.616†	7626.7	0.22976	mg/L	0.001729	0.22976	mg/L	0.001729	0.75%
Cr 267.716†	138153.1	2.0778	mg/L	0.00360	2.0778	mg/L	0.00360	0.17%
Cu 324.752†	1651910.5	7.8292	mg/L	0.00367	7.8292	mg/L	0.00367	0.05%
Fe 273.955†	46574390.3	2077.7	mg/L	28.83	2077.7	mg/L	28.83	1.39%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	1923313.3	123.86	mg/L	0.262	123.86	mg/L	0.262	0.21%
Mn 257.610†	Saturated2							
Ni 231.604†	32426.2	1.3589	mg/L	0.00297	1.3589	mg/L	0.00297	0.22%
Pb 220.353†	38761.5	8.4164	mg/L	0.01111	8.4164	mg/L	0.01111	0.13%
Sb 206.836†	139.3	0.01149	mg/L	0.001626	0.01149	mg/L	0.001626	14.15%
Se 196.026†	-578.8	-0.14098	mg/L	0.011604	-0.14098	mg/L	0.011604	8.23%
Tl 190.801	-353.8	-0.16461	mg/L	0.002081	-0.16461	mg/L	0.002081	1.26%
V 292.402†	15966.5	0.26020	mg/L	0.002720	0.26020	mg/L	0.002720	1.05%
Zn 206.200†	329406.3	13.362	mg/L	0.0264	13.362	mg/L	0.0264	0.20%
Cd 226.502†	11085.8	0.16078	mg/L	0.000890	0.16078	mg/L	0.000890	0.55%
Ti 334.940†	1957086.9	3.4030	mg/L	0.00377	3.4030	mg/L	0.00377	0.11%
Ca 227.546†	106280.0	658.27	mg/L	0.553	658.27	mg/L	0.553	0.08%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	25031.2	3.5976	mg/L	0.02410	3.5976	mg/L	0.02410	0.67%
K 766.490	34172.2	16.592	mg/L	0.0991	16.592	mg/L	0.0991	0.60%

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Sequence No.: 68 **Autosampler Location: 140**
Sample ID: N1176-21AMS~SB-10-10-070 **Date Collected: 7/15/2014 3:13:28 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:17 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-21AMS~SB-10-10-070

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1659276.0	85.885	%	0.5840				0.68%
Lu 261.542	Saturated2							
Ag 328.068†	189497.4	1.2313	mg/L	0.00702	1.2313	mg/L	0.00702	0.57%
Al 308.215†	1993629.4	95.743	mg/L	0.6991	95.743	mg/L	0.6991	0.73%
As 188.979†	191.2	0.55296	mg/L	0.026428	0.55296	mg/L	0.026428	4.78%
Ba 233.527†	771096.9	9.6724	mg/L	0.07948	9.6724	mg/L	0.07948	0.82%
Be 313.107†	494339.9	0.22449	mg/L	0.001742	0.22449	mg/L	0.001742	0.78%
Co 228.616†	68658.5	2.1251	mg/L	0.01709	2.1251	mg/L	0.01709	0.80%
Cr 267.716†	396144.1	5.9588	mg/L	0.04837	5.9588	mg/L	0.04837	0.81%
Cu 324.752†	2076235.0	9.8534	mg/L	0.05284	9.8534	mg/L	0.05284	0.54%
Fe 273.955†	62627139.7	2793.9	mg/L	13.33	2793.9	mg/L	13.33	0.48%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	1985926.0	128.21	mg/L	1.037	128.21	mg/L	1.037	0.81%
Mn 257.610†	Saturated2							
Ni 231.604†	96588.8	4.0535	mg/L	0.03653	4.0535	mg/L	0.03653	0.90%
Pb 220.353†	41048.9	8.8793	mg/L	0.06949	8.8793	mg/L	0.06949	0.78%
Sb 206.836†	592.6	0.25697	mg/L	0.002629	0.25697	mg/L	0.002629	1.02%
Se 196.026†	-815.9	-0.24269	mg/L	0.025476	-0.24269	mg/L	0.025476	10.50%
Tl 190.801	-226.2	-0.00087	mg/L	0.028288	-0.00087	mg/L	0.028288	>999.9%
V 292.402†	254829.4	2.3709	mg/L	0.01498	2.3709	mg/L	0.01498	0.63%
Zn 206.200†	381716.8	15.485	mg/L	0.1332	15.485	mg/L	0.1332	0.86%
Cd 226.502†	27552.3	0.50221	mg/L	0.006276	0.50221	mg/L	0.006276	1.25%
Ti 334.940†	1954906.6	3.3953	mg/L	0.02311	3.3953	mg/L	0.02311	0.68%
Ca 227.546†	73166.4	467.39	mg/L	2.985	467.39	mg/L	2.985	0.64%
Na 589.592	182858.1	26.694	mg/L	0.4677	26.694	mg/L	0.4677	1.75%
K 766.490	80367.1	39.023	mg/L	0.7147	39.023	mg/L	0.7147	1.83%

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Sequence No.: 69 **Autosampler Location: 141**
Sample ID: N1176-21ASD~SB-10-10-0708 **Date Collected: 7/15/2014 3:16:30 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:17 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-21ASD~SB-10-10-0708

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1795903.5	92.957	%	0.2331				0.25%
Lu 261.542	1138860.9	92.69	%	0.322				0.35%
Ag 328.068†	1820.5	0.03466	mg/L	0.000130	0.03466	mg/L	0.000130	0.37%
Al 308.215†	500042.8	24.014	mg/L	0.1398	24.014	mg/L	0.1398	0.58%
As 188.979†	-29.2	0.10506	mg/L	0.004823	0.10506	mg/L	0.004823	4.59%
Ba 233.527†	32882.2	0.41240	mg/L	0.004113	0.41240	mg/L	0.004113	1.00%
Be 313.107†	5905.0	0.00477	mg/L	0.000059	0.00477	mg/L	0.000059	1.23%
Co 228.616†	3142.6	0.09498	mg/L	0.000296	0.09498	mg/L	0.000296	0.31%
Cr 267.716†	63664.8	0.94944	mg/L	0.005857	0.94944	mg/L	0.005857	0.62%
Cu 324.752†	478824.0	2.3134	mg/L	0.01170	2.3134	mg/L	0.01170	0.51%
Fe 273.955†	27563556.3	1229.6	mg/L	0.64	1229.6	mg/L	0.64	0.05%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	555307.0	36.071	mg/L	0.2039	36.071	mg/L	0.2039	0.57%
Mn 257.610†	11919250.4	22.199	mg/L	0.0272	22.199	mg/L	0.0272	0.12%
Ni 231.604†	19029.5	0.79817	mg/L	0.002944	0.79817	mg/L	0.002944	0.37%
Pb 220.353†	16983.5	3.6693	mg/L	0.01216	3.6693	mg/L	0.01216	0.33%
Sb 206.836†	58.3	-0.00733	mg/L	0.004543	-0.00733	mg/L	0.004543	61.97%
Se 196.026†	-292.7	-0.00854	mg/L	0.009783	-0.00854	mg/L	0.009783	114.54%
Tl 190.801	-144.2	-0.05818	mg/L	0.006407	-0.05818	mg/L	0.006407	11.01%
V 292.402†	4170.4	0.10867	mg/L	0.001795	0.10867	mg/L	0.001795	1.65%
Zn 206.200†	135509.4	5.4873	mg/L	0.02786	5.4873	mg/L	0.02786	0.51%
Cd 226.502†	5056.8	0.06122	mg/L	0.000540	0.06122	mg/L	0.000540	0.88%
Ti 334.940†	709515.1	1.2327	mg/L	0.00808	1.2327	mg/L	0.00808	0.66%
Ca 227.546†	22422.8	147.41	mg/L	0.595	147.41	mg/L	0.595	0.40%
Na 589.592	7853.0	1.1357	mg/L	0.01355	1.1357	mg/L	0.01355	1.19%
K 766.490	11975.6	5.8148	mg/L	0.04247	5.8148	mg/L	0.04247	0.73%

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Sequence No.: 70 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 3:20:29 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:18 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1858909.7	96.219	%	1.2706				1.32%
Lu 261.542	1186993.3	96.60	%	1.337				1.38%
Ag 328.068†	201134.7	1.2509	mg/L	0.00265	1.2509	mg/L	0.00265	0.21%
QC value within limits for Ag 328.068 Recovery = 100.07%								
Al 308.215†	212171.8	10.171	mg/L	0.0198	10.171	mg/L	0.0198	0.19%
QC value within limits for Al 308.215 Recovery = 101.71%								
As 188.979†	464.1	0.49940	mg/L	0.003311	0.49940	mg/L	0.003311	0.66%
QC value within limits for As 188.979 Recovery = 99.88%								
Ba 233.527†	818916.0	10.272	mg/L	0.0225	10.272	mg/L	0.0225	0.22%
QC value within limits for Ba 233.527 Recovery = 102.72%								
Be 313.107†	563888.0	0.25016	mg/L	0.000406	0.25016	mg/L	0.000406	0.16%
QC value within limits for Be 313.107 Recovery = 100.06%								
Co 228.616†	78471.5	2.4361	mg/L	0.03659	2.4361	mg/L	0.03659	1.50%
QC value within limits for Co 228.616 Recovery = 97.44%								
Cr 267.716†	65190.6	0.98061	mg/L	0.016012	0.98061	mg/L	0.016012	1.63%
QC value within limits for Cr 267.716 Recovery = 98.06%								
Cu 324.752†	273031.5	1.2707	mg/L	0.00249	1.2707	mg/L	0.00249	0.20%
QC value within limits for Cu 324.752 Recovery = 101.65%								
Fe 273.955†	113219.8	5.1408	mg/L	0.05478	5.1408	mg/L	0.05478	1.07%
QC value within limits for Fe 273.955 Recovery = 102.82%								
Mg 279.077†	401410.8	25.641	mg/L	0.0557	25.641	mg/L	0.0557	0.22%
QC value within limits for Mg 279.077 Recovery = 102.56%								
Mn 257.610†	1362196.6	2.5363	mg/L	0.00418	2.5363	mg/L	0.00418	0.16%
QC value within limits for Mn 257.610 Recovery = 101.45%								
Ni 231.604†	59950.2	2.5172	mg/L	0.04125	2.5172	mg/L	0.04125	1.64%
QC value within limits for Ni 231.604 Recovery = 100.69%								
Pb 220.353†	2244.8	0.49249	mg/L	0.005931	0.49249	mg/L	0.005931	1.20%
QC value within limits for Pb 220.353 Recovery = 98.50%								
Sb 206.836†	681.1	0.46328	mg/L	0.009626	0.46328	mg/L	0.009626	2.08%
QC value within limits for Sb 206.836 Recovery = 92.66%								

Se 196.026† 296.0 0.49353 mg/L 0.017309 0.49353 mg/L 0.017309 3.51%
QC value within limits for Se 196.026 Recovery = 98.71%
Tl 190.801 490.7 0.47103 mg/L 0.005078 0.47103 mg/L 0.005078 1.08%
QC value within limits for Tl 190.801 Recovery = 94.21%
V 292.402† 293752.9 2.5360 mg/L 0.00423 2.5360 mg/L 0.00423 0.17%
QC value within limits for V 292.402 Recovery = 101.44%
Zn 206.200† 61683.6 2.5147 mg/L 0.03898 2.5147 mg/L 0.03898 1.55%
QC value within limits for Zn 206.200 Recovery = 100.59%
Cd 226.502† 10882.1 0.24614 mg/L 0.003779 0.24614 mg/L 0.003779 1.54%
QC value within limits for Cd 226.502 Recovery = 98.45%
Ti 334.940† 288769.2 0.50068 mg/L 0.000829 0.50068 mg/L 0.000829 0.17%
QC value within limits for Ti 334.940 Recovery = Not calculated
Ca 227.546† 4034.7 23.595 mg/L 0.1680 23.595 mg/L 0.1680 0.71%
QC value within limits for Ca 227.546 Recovery = 94.38%
Na 589.592 182941.7 26.753 mg/L 0.5427 26.753 mg/L 0.5427 2.03%
QC value within limits for Na 589.592 Recovery = 107.01%
K 766.490 54116.1 26.276 mg/L 0.4946 26.276 mg/L 0.4946 1.88%
QC value within limits for K 766.490 Recovery = 105.11%
All analyte(s) passed QC.

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Sequence No.: 71 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 3:24:12 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:19 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1902611.8	98.481	%	0.2747				0.28%
Lu 261.542	1207658.0	98.29	%	0.335				0.34%
Ag 328.068†	-21.8	-0.00014	mg/L	0.000587	-0.00014	mg/L	0.000587	433.81%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	198.9	0.00957	mg/L	0.000816	0.00957	mg/L	0.000816	8.53%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.7	0.00396	mg/L	0.004594	0.00396	mg/L	0.004594	115.86%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	31.2	0.00039	mg/L	0.000239	0.00039	mg/L	0.000239	61.12%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	69.3	0.00003	mg/L	0.000027	0.00003	mg/L	0.000027	86.96%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	0.6	0.00002	mg/L	0.000135	0.00002	mg/L	0.000135	782.92%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	11.5	0.00017	mg/L	0.000159	0.00017	mg/L	0.000159	92.08%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	91.8	0.00043	mg/L	0.000235	0.00043	mg/L	0.000235	54.98%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	122.3	0.00546	mg/L	0.000588	0.00546	mg/L	0.000588	10.77%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	48.5	0.00310	mg/L	0.001539	0.00310	mg/L	0.001539	49.57%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	113.2	0.00021	mg/L	0.000047	0.00021	mg/L	0.000047	22.19%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	11.5	0.00048	mg/L	0.000358	0.00048	mg/L	0.000358	74.13%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	17.6	0.00387	mg/L	0.001354	0.00387	mg/L	0.001354	35.01%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	6.4	0.00441	mg/L	0.001000	0.00441	mg/L	0.001000	22.67%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	2.3	0.00390	mg/L	0.003245	0.00390	mg/L	0.003245	83.20%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	-0.2	-0.00020	mg/L	0.002751	-0.00020	mg/L	0.002751	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	8.2	0.00007	mg/L	0.000175	0.00007	mg/L	0.000175	246.18%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	111.8	0.00455	mg/L	0.000496	0.00455	mg/L	0.000496	10.90%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	-0.1	0.00000	mg/L	0.000142	0.00000	mg/L	0.000142	>999.9%

QC value within limits for Cd 226.502 Recovery = Not calculated

Ti 334.940†	53.7	0.00009	mg/L	0.000118	0.00009	mg/L	0.000118 127.26%

QC value within limits for Ti 334.940 Recovery = Not calculated

Ca 227.546†	-3.0	-0.01777	mg/L	0.092111	-0.01777	mg/L	0.092111 518.36%

QC value within limits for Ca 227.546 Recovery = Not calculated

Na 589.592	51.1	0.00746	mg/L	0.009172	0.00746	mg/L	0.009172 122.91%

QC value within limits for Na 589.592 Recovery = Not calculated

K 766.490	48.8	0.02370	mg/L	0.068817	0.02370	mg/L	0.068817 290.32%

QC value within limits for K 766.490 Recovery = Not calculated

All analyte(s) passed QC.

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Sequence No.: 72 **Autosampler Location: 142**
Sample ID: N1176-21APDS~SB-10-10-070 **Date Collected: 7/15/2014 3:27:51 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:20 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-21APDS~SB-10-10-070

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1617461.3	83.721	%	0.5022				0.60%
Lu 261.542	Saturated2							
Ag 328.068†	164230.5	1.0699	mg/L	0.00670	1.0699	mg/L	0.00670	0.63%
Al 308.215†	2259630.5	108.50	mg/L	0.767	108.50	mg/L	0.767	0.71%
As 188.979†	284.6	0.61661	mg/L	0.021339	0.61661	mg/L	0.021339	3.46%
Ba 233.527†	703487.6	8.8243	mg/L	0.05179	8.8243	mg/L	0.05179	0.59%
Be 313.107†	408735.6	0.18919	mg/L	0.001308	0.18919	mg/L	0.001308	0.69%
Co 228.616†	62696.0	1.9369	mg/L	0.01349	1.9369	mg/L	0.01349	0.70%
Cr 267.716†	282995.4	4.2570	mg/L	0.02741	4.2570	mg/L	0.02741	0.64%
Cu 324.752†	2252881.8	10.659	mg/L	0.0775	10.659	mg/L	0.0775	0.73%
Fe 273.955†	57517691.9	2566.0	mg/L	14.19	2566.0	mg/L	14.19	0.55%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2208413.3	142.31	mg/L	0.917	142.31	mg/L	0.917	0.64%
Mn 257.610†	Saturated2							
Ni 231.604†	104890.6	4.4012	mg/L	0.03140	4.4012	mg/L	0.03140	0.71%
Pb 220.353†	60146.6	13.080	mg/L	0.0953	13.080	mg/L	0.0953	0.73%
Sb 206.836†	780.9	0.41752	mg/L	0.028732	0.41752	mg/L	0.028732	6.88%
Se 196.026†	-918.4	-0.50768	mg/L	0.016800	-0.50768	mg/L	0.016800	3.31%
Tl 190.801	-345.0	-0.13724	mg/L	0.012111	-0.13724	mg/L	0.012111	8.82%
V 292.402†	229444.6	2.1335	mg/L	0.01366	2.1335	mg/L	0.01366	0.64%
Zn 206.200†	474797.7	19.276	mg/L	0.1306	19.276	mg/L	0.1306	0.68%
Cd 226.502†	27863.2	0.51916	mg/L	0.005490	0.51916	mg/L	0.005490	1.06%
Ti 334.940†	2789527.2	4.8472	mg/L	0.03253	4.8472	mg/L	0.03253	0.67%
Ca 227.546†	99902.3	624.90	mg/L	5.444	624.90	mg/L	5.444	0.87%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	196954.6	28.749	mg/L	0.1335	28.749	mg/L	0.1335	0.46%
K 766.490	102991.8	50.008	mg/L	0.2296	50.008	mg/L	0.2296	0.46%

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Sequence No.: 73 **Autosampler Location: 143**
Sample ID: N1176-22A~SB-11-10-07081 **Date Collected: 7/15/2014 3:30:59 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:20 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-22A~SB-11-10-07081

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1747688.3	90.462	%	0.4315				0.48%
Lu 261.542	1080112.3	87.91	%	0.440				0.50%
Ag 328.068†	-131.1	0.00248	mg/L	0.000501	0.00248	mg/L	0.000501	20.17%
Al 308.215†	2128990.1	102.15	mg/L	0.093	102.15	mg/L	0.093	0.09%
As 188.979†	29.9	0.06814	mg/L	0.002456	0.06814	mg/L	0.002456	3.60%
Ba 233.527†	214240.4	2.6868	mg/L	0.00183	2.6868	mg/L	0.00183	0.07%
Be 313.107†	3881.0	0.00614	mg/L	0.000053	0.00614	mg/L	0.000053	0.87%
Co 228.616†	1496.2	0.04132	mg/L	0.000447	0.04132	mg/L	0.000447	1.08%

Cr 267.716†	8544.0	0.12720	mg/L	0.000790	0.12720	mg/L	0.000790	0.62%
Cu 324.752†	63212.3	0.30579	mg/L	0.000737	0.30579	mg/L	0.000737	0.24%
Fe 273.955†	3758198.4	167.64	mg/L	0.053	167.64	mg/L	0.053	0.03%
Mg 279.077†	1535455.0	98.154	mg/L	0.0773	98.154	mg/L	0.0773	0.08%
Mn 257.610†	2010617.9	3.7517	mg/L	0.00180	3.7517	mg/L	0.00180	0.05%
Ni 231.604†	2871.2	0.11842	mg/L	0.000914	0.11842	mg/L	0.000914	0.77%
Pb 220.353†	10407.4	2.2946	mg/L	0.01636	2.2946	mg/L	0.01636	0.71%
Sb 206.836†	6.7	0.00667	mg/L	0.004432	0.00667	mg/L	0.004432	66.43%
Se 196.026†	-28.4	-0.00271	mg/L	0.009656	-0.00271	mg/L	0.009656	355.85%
Tl 190.801	-10.8	0.02547	mg/L	0.007640	0.02547	mg/L	0.007640	29.99%
V 292.402†	16508.3	0.14992	mg/L	0.001035	0.14992	mg/L	0.001035	0.69%
Zn 206.200†	58728.9	2.3857	mg/L	0.00274	2.3857	mg/L	0.00274	0.12%
Cd 226.502†	718.4	0.00901	mg/L	0.000005	0.00901	mg/L	0.000005	0.06%
Ti 334.940†	1450994.4	2.5301	mg/L	0.00115	2.5301	mg/L	0.00115	0.05%
Ca 227.546†	162769.3	975.63	mg/L	0.474	975.63	mg/L	0.474	0.05%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	29420.5	4.2480	mg/L	0.03558	4.2480	mg/L	0.03558	0.84%
K 766.490	36825.2	17.881	mg/L	0.2178	17.881	mg/L	0.2178	1.22%

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Sequence No.: 74 **Autosampler Location: 144**
Sample ID: N1176-23A~FD-02-070814A **Date Collected: 7/15/2014 3:34:38 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:21 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-23A~FD-02-070814A

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1745603.0	90.354	%	0.2000				0.22%
Lu 261.542	1042670.1	84.86	%	1.208				1.42%
Ag 328.068†	1535.3	0.02858	mg/L	0.000327	0.02858	mg/L	0.000327	1.15%
Al 308.215†	3420452.2	164.16	mg/L	2.234	164.16	mg/L	2.234	1.36%
As 188.979†	38.3	0.17487	mg/L	0.004321	0.17487	mg/L	0.004321	2.47%
Ba 233.527†	377063.9	4.7289	mg/L	0.06322	4.7289	mg/L	0.06322	1.34%
Be 313.107†	4822.6	0.01048	mg/L	0.000167	0.01048	mg/L	0.000167	1.59%
Co 228.616†	3882.9	0.11085	mg/L	0.001706	0.11085	mg/L	0.001706	1.54%
Cr 267.716†	65922.1	0.98347	mg/L	0.013662	0.98347	mg/L	0.013662	1.39%
Cu 324.752†	381973.4	1.8461	mg/L	0.02390	1.8461	mg/L	0.02390	1.29%
Fe 273.955†	22201387.9	990.41	mg/L	2.192	990.41	mg/L	2.192	0.22%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2685488.2	172.01	mg/L	2.372	172.01	mg/L	2.372	1.38%
Mn 257.610†	11968405.9	22.300	mg/L	0.0306	22.300	mg/L	0.0306	0.14%
Ni 231.604†	10082.4	0.41947	mg/L	0.006788	0.41947	mg/L	0.006788	1.62%
Pb 220.353†	23694.5	5.1797	mg/L	0.08738	5.1797	mg/L	0.08738	1.69%
Sb 206.836†	37.2	-0.00379	mg/L	0.003789	-0.00379	mg/L	0.003789	100.04%
Se 196.026†	-230.8	-0.02730	mg/L	0.014142	-0.02730	mg/L	0.014142	51.79%
Tl 190.801	-120.3	-0.02387	mg/L	0.005301	-0.02387	mg/L	0.005301	22.21%
V 292.402†	37271.8	0.37672	mg/L	0.003815	0.37672	mg/L	0.003815	1.01%
Zn 206.200†	175794.7	7.1320	mg/L	0.10161	7.1320	mg/L	0.10161	1.42%
Cd 226.502†	4463.1	0.05805	mg/L	0.001668	0.05805	mg/L	0.001668	2.87%
Ti 334.940†	2736565.1	4.7656	mg/L	0.05942	4.7656	mg/L	0.05942	1.25%
Ca 227.546†	229240.7	1382.2	mg/L	17.77	1382.2	mg/L	17.77	1.29%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	79523.8	11.543	mg/L	0.0696	11.543	mg/L	0.0696	0.60%
K 766.490	54367.7	26.398	mg/L	0.1342	26.398	mg/L	0.1342	0.51%

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Sequence No.: 75 **Autosampler Location: 145**
Sample ID: N1176-13A~SB-13-08-0 20X **Date Collected: 7/15/2014 3:38:38 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:22 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-13A~SB-13-08-0 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

Y 360.073	1891961.3	97.929	%	0.9551			0.98%
Lu 261.542	1200319.4	97.69	%	0.933			0.95%
Ag 328.068†	200.0	0.00522	mg/L	0.000499	0.00522	mg/L	0.000499	9.56%
Al 308.215†	308049.0	14.798	mg/L	0.0994	14.798	mg/L	0.0994	0.67%
As 188.979†	-4.1	0.01832	mg/L	0.000851	0.01832	mg/L	0.000851	4.64%
Ba 233.527†	12603.0	0.15807	mg/L	0.001170	0.15807	mg/L	0.001170	0.74%
Be 313.107†	4569.3	0.00276	mg/L	0.000051	0.00276	mg/L	0.000051	1.84%
Co 228.616†	468.2	0.01368	mg/L	0.000290	0.01368	mg/L	0.000290	2.12%
Cr 267.716†	3608.6	0.05231	mg/L	0.000746	0.05231	mg/L	0.000746	1.43%
Cu 324.752†	17862.9	0.09773	mg/L	0.000856	0.09773	mg/L	0.000856	0.88%
Fe 273.955†	4681984.8	208.87	mg/L	0.512	208.87	mg/L	0.512	0.25%
Mg 279.077†	241263.8	15.512	mg/L	0.1146	15.512	mg/L	0.1146	0.74%
Mn 257.610†	2911203.0	5.4222	mg/L	0.00195	5.4222	mg/L	0.00195	0.04%
Ni 231.604†	867.7	0.03609	mg/L	0.000319	0.03609	mg/L	0.000319	0.88%
Pb 220.353†	1219.2	0.25986	mg/L	0.001433	0.25986	mg/L	0.001433	0.55%
Sb 206.836†	6.7	-0.00177	mg/L	0.000798	-0.00177	mg/L	0.000798	45.11%
Se 196.026†	-46.0	0.00323	mg/L	0.010348	0.00323	mg/L	0.010348	320.50%
Tl 190.801	-19.3	-0.00523	mg/L	0.003832	-0.00523	mg/L	0.003832	73.27%
V 292.402†	2225.5	0.03110	mg/L	0.000372	0.03110	mg/L	0.000372	1.20%
Zn 206.200†	21642.1	0.87554	mg/L	0.006147	0.87554	mg/L	0.006147	0.70%
Cd 226.502†	707.2	0.00695	mg/L	0.000057	0.00695	mg/L	0.000057	0.82%
Ti 334.940†	241608.1	0.41996	mg/L	0.003171	0.41996	mg/L	0.003171	0.76%
Ca 227.546†	10878.4	67.344	mg/L	0.6461	67.344	mg/L	0.6461	0.96%
Na 589.592	3687.9	0.53143	mg/L	0.003442	0.53143	mg/L	0.003442	0.65%
K 766.490	5703.3	2.7692	mg/L	0.01329	2.7692	mg/L	0.01329	0.48%

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Sequence No.: 76 **Autosampler Location: 146**
Sample ID: N1176-14A~SB-14-10-0 20X **Date Collected: 7/15/2014 3:42:21 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:22 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-14A~SB-14-10-0 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1891892.6	97.926	%	0.6640				0.68%
Lu 261.542	1197290.5	97.44	%	0.669				0.69%
Ag 328.068†	268.3	0.00514	mg/L	0.000444	0.00514	mg/L	0.000444	8.65%
Al 308.215†	82394.6	3.9575	mg/L	0.03435	3.9575	mg/L	0.03435	0.87%
As 188.979†	83.8	0.10766	mg/L	0.004113	0.10766	mg/L	0.004113	3.82%
Ba 233.527†	8006.6	0.10042	mg/L	0.001024	0.10042	mg/L	0.001024	1.02%
Be 313.107†	796.6	0.00073	mg/L	0.000013	0.00073	mg/L	0.000013	1.73%
Co 228.616†	396.8	0.01187	mg/L	0.000386	0.01187	mg/L	0.000386	3.25%
Cr 267.716†	11441.2	0.16790	mg/L	0.001436	0.16790	mg/L	0.001436	0.86%
Cu 324.752†	32439.1	0.16366	mg/L	0.001422	0.16366	mg/L	0.001422	0.87%
Fe 273.955†	4086031.5	182.28	mg/L	0.406	182.28	mg/L	0.406	0.22%
Mg 279.077†	93760.7	6.0780	mg/L	0.04535	6.0780	mg/L	0.04535	0.75%
Mn 257.610†	6161384.2	11.475	mg/L	0.0253	11.475	mg/L	0.0253	0.22%
Ni 231.604†	1962.4	0.08225	mg/L	0.000386	0.08225	mg/L	0.000386	0.47%
Pb 220.353†	2583.2	0.55845	mg/L	0.002584	0.55845	mg/L	0.002584	0.46%
Sb 206.836†	11.7	0.00075	mg/L	0.001413	0.00075	mg/L	0.001413	188.57%
Se 196.026†	-40.0	-0.00007	mg/L	0.007348	-0.00007	mg/L	0.007348	>999.9%
Tl 190.801	-26.5	-0.02223	mg/L	0.005219	-0.02223	mg/L	0.005219	23.48%
V 292.402†	1624.0	0.02482	mg/L	0.000208	0.02482	mg/L	0.000208	0.84%
Zn 206.200†	13544.6	0.54704	mg/L	0.004316	0.54704	mg/L	0.004316	0.79%
Cd 226.502†	589.4	0.00545	mg/L	0.000300	0.00545	mg/L	0.000300	5.50%
Ti 334.940†	123353.0	0.21425	mg/L	0.001858	0.21425	mg/L	0.001858	0.87%
Ca 227.546†	3162.5	20.888	mg/L	0.0139	20.888	mg/L	0.0139	0.07%
Na 589.592	2037.1	0.29582	mg/L	0.005072	0.29582	mg/L	0.005072	1.71%
K 766.490	2835.0	1.3765	mg/L	0.04424	1.3765	mg/L	0.04424	3.21%

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Sequence No.: 77 **Autosampler Location: 147**
Sample ID: N1176-15A~SB-15-08-0 20X **Date Collected: 7/15/2014 3:46:05 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:23 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-15A~SB-15-08-0 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1888110.2	97.730	%	1.2162				1.24%
Lu 261.542	1202383.1	97.86	%	1.157				1.18%
Ag 328.068†	-54.7	0.00113	mg/L	0.000248	0.00113	mg/L	0.000248	21.90%
Al 308.215†	199610.0	9.5984	mg/L	0.00476	9.5984	mg/L	0.00476	0.05%
As 188.979†	6.5	0.01492	mg/L	0.004489	0.01492	mg/L	0.004489	30.10%
Ba 233.527†	1889.2	0.02371	mg/L	0.000446	0.02371	mg/L	0.000446	1.88%
Be 313.107†	-180.4	0.00013	mg/L	0.000008	0.00013	mg/L	0.000008	6.64%
Co 228.616†	162.1	0.00479	mg/L	0.000112	0.00479	mg/L	0.000112	2.34%
Cr 267.716†	872.6	0.01282	mg/L	0.000614	0.01282	mg/L	0.000614	4.79%
Cu 324.752†	524.6	0.00784	mg/L	0.000262	0.00784	mg/L	0.000262	3.34%
Fe 273.955†	1726450.8	77.018	mg/L	0.0320	77.018	mg/L	0.0320	0.04%
Mg 279.077†	9950.6	0.67333	mg/L	0.010890	0.67333	mg/L	0.010890	1.62%
Mn 257.610†	455125.0	0.84774	mg/L	0.000394	0.84774	mg/L	0.000394	0.05%
Ni 231.604†	198.0	0.00825	mg/L	0.000319	0.00825	mg/L	0.000319	3.87%
Pb 220.353†	70.2	0.01282	mg/L	0.000912	0.01282	mg/L	0.000912	7.12%
Sb 206.836†	3.6	-0.00033	mg/L	0.000672	-0.00033	mg/L	0.000672	201.06%
Se 196.026†	-15.2	0.00563	mg/L	0.004757	0.00563	mg/L	0.004757	84.53%
Tl 190.801	-8.0	-0.00252	mg/L	0.003442	-0.00252	mg/L	0.003442	136.73%
V 292.402†	1587.0	0.01810	mg/L	0.000323	0.01810	mg/L	0.000323	1.78%
Zn 206.200†	557.5	0.02046	mg/L	0.000679	0.02046	mg/L	0.000679	3.32%
Cd 226.502†	220.6	0.00165	mg/L	0.000126	0.00165	mg/L	0.000126	7.61%
Ti 334.940†	67399.8	0.11707	mg/L	0.001362	0.11707	mg/L	0.001362	1.16%
Ca 227.546†	266.8	2.4310	mg/L	0.02920	2.4310	mg/L	0.02920	1.20%
Na 589.592	2287.8	0.32945	mg/L	0.011368	0.32945	mg/L	0.011368	3.45%
K 766.490	3156.4	1.5326	mg/L	0.04016	1.5326	mg/L	0.04016	2.62%

Sequence No.: 78 **Autosampler Location: 148**
Sample ID: N1176-16A~SB-16-10-0 20X **Date Collected: 7/15/2014 3:49:48 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:24 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-16A~SB-16-10-0 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1866563.8	96.615	%	0.8251				0.85%
Lu 261.542	1187038.0	96.61	%	0.844				0.87%
Ag 328.068†	53.9	0.00237	mg/L	0.000354	0.00237	mg/L	0.000354	14.91%
Al 308.215†	112429.8	5.4016	mg/L	0.07242	5.4016	mg/L	0.07242	1.34%
As 188.979†	7.3	0.01897	mg/L	0.001761	0.01897	mg/L	0.001761	9.29%
Ba 233.527†	4874.6	0.06114	mg/L	0.000653	0.06114	mg/L	0.000653	1.07%
Be 313.107†	740.5	0.00081	mg/L	0.000025	0.00081	mg/L	0.000025	3.04%
Co 228.616†	237.4	0.00681	mg/L	0.000188	0.00681	mg/L	0.000188	2.76%
Cr 267.716†	1567.2	0.02250	mg/L	0.000110	0.02250	mg/L	0.000110	0.49%
Cu 324.752†	5485.7	0.03301	mg/L	0.000537	0.03301	mg/L	0.000537	1.63%
Fe 273.955†	2394815.7	106.83	mg/L	0.143	106.83	mg/L	0.143	0.13%
Mg 279.077†	79702.8	5.1431	mg/L	0.05881	5.1431	mg/L	0.05881	1.14%
Mn 257.610†	1581226.6	2.9450	mg/L	0.00420	2.9450	mg/L	0.00420	0.14%
Ni 231.604†	530.4	0.02208	mg/L	0.000190	0.02208	mg/L	0.000190	0.86%
Pb 220.353†	1055.5	0.22731	mg/L	0.001904	0.22731	mg/L	0.001904	0.84%
Sb 206.836†	2.9	-0.00121	mg/L	0.002131	-0.00121	mg/L	0.002131	175.92%
Se 196.026†	-24.2	0.00066	mg/L	0.001137	0.00066	mg/L	0.001137	171.06%
Tl 190.801	-11.0	-0.00447	mg/L	0.004976	-0.00447	mg/L	0.004976	111.23%
V 292.402†	1471.9	0.01872	mg/L	0.000281	0.01872	mg/L	0.000281	1.50%
Zn 206.200†	8810.1	0.35583	mg/L	0.003256	0.35583	mg/L	0.003256	0.92%
Cd 226.502†	337.4	0.00301	mg/L	0.000051	0.00301	mg/L	0.000051	1.69%
Ti 334.940†	158461.6	0.27532	mg/L	0.003661	0.27532	mg/L	0.003661	1.33%
Ca 227.546†	3344.8	21.166	mg/L	0.2622	21.166	mg/L	0.2622	1.24%
Na 589.592	2578.7	0.37427	mg/L	0.012276	0.37427	mg/L	0.012276	3.28%
K 766.490	3514.6	1.7065	mg/L	0.04934	1.7065	mg/L	0.04934	2.89%

Sequence No.: 79 **Autosampler Location: 3**

Sample ID: CCV **Date Collected: 7/15/2014 3:53:57 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:24 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1848943.4	95.703	%	1.0257				1.07%
Lu 261.542	1181167.0	96.13	%	1.106				1.15%
Ag 328.068†	201378.0	1.2524	mg/L	0.02099	1.2524	mg/L	0.02099	1.68%
QC value within limits for Ag 328.068 Recovery = 100.19%								
Al 308.215†	214174.5	10.267	mg/L	0.1826	10.267	mg/L	0.1826	1.78%
QC value within limits for Al 308.215 Recovery = 102.67%								
As 188.979†	467.1	0.50270	mg/L	0.006545	0.50270	mg/L	0.006545	1.30%
QC value within limits for As 188.979 Recovery = 100.54%								
Ba 233.527†	823042.5	10.324	mg/L	0.0138	10.324	mg/L	0.0138	0.13%
QC value within limits for Ba 233.527 Recovery = 103.24%								
Be 313.107†	567639.6	0.25182	mg/L	0.000227	0.25182	mg/L	0.000227	0.09%
QC value within limits for Be 313.107 Recovery = 100.73%								
Co 228.616†	79670.2	2.4733	mg/L	0.04340	2.4733	mg/L	0.04340	1.75%
QC value within limits for Co 228.616 Recovery = 98.93%								
Cr 267.716†	66231.7	0.99626	mg/L	0.018174	0.99626	mg/L	0.018174	1.82%
QC value within limits for Cr 267.716 Recovery = 99.63%								
Cu 324.752†	270189.2	1.2574	mg/L	0.02188	1.2574	mg/L	0.02188	1.74%
QC value within limits for Cu 324.752 Recovery = 100.60%								
Fe 273.955†	114102.8	5.1803	mg/L	0.09283	5.1803	mg/L	0.09283	1.79%
QC value within limits for Fe 273.955 Recovery = 103.61%								
Mg 279.077†	404322.5	25.827	mg/L	0.0162	25.827	mg/L	0.0162	0.06%
QC value within limits for Mg 279.077 Recovery = 103.31%								
Mn 257.610†	1369228.4	2.5494	mg/L	0.00452	2.5494	mg/L	0.00452	0.18%
QC value within limits for Mn 257.610 Recovery = 101.97%								
Ni 231.604†	61015.5	2.5619	mg/L	0.04504	2.5619	mg/L	0.04504	1.76%
QC value within limits for Ni 231.604 Recovery = 102.48%								
Pb 220.353†	2285.2	0.50136	mg/L	0.007111	0.50136	mg/L	0.007111	1.42%
QC value within limits for Pb 220.353 Recovery = 100.27%								
Sb 206.836†	689.0	0.46855	mg/L	0.003405	0.46855	mg/L	0.003405	0.73%
QC value within limits for Sb 206.836 Recovery = 93.71%								
Se 196.026†	294.7	0.49140	mg/L	0.004763	0.49140	mg/L	0.004763	0.97%
QC value within limits for Se 196.026 Recovery = 98.28%								
Tl 190.801	493.0	0.47302	mg/L	0.005218	0.47302	mg/L	0.005218	1.10%
QC value within limits for Tl 190.801 Recovery = 94.60%								
V 292.402†	293968.0	2.5379	mg/L	0.04405	2.5379	mg/L	0.04405	1.74%
QC value within limits for V 292.402 Recovery = 101.51%								
Zn 206.200†	62770.0	2.5590	mg/L	0.04493	2.5590	mg/L	0.04493	1.76%
QC value within limits for Zn 206.200 Recovery = 102.36%								
Cd 226.502†	11040.9	0.24973	mg/L	0.003990	0.24973	mg/L	0.003990	1.60%
QC value within limits for Cd 226.502 Recovery = 99.89%								
Ti 334.940†	289738.9	0.50236	mg/L	0.000402	0.50236	mg/L	0.000402	0.08%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4116.7	24.079	mg/L	0.2929	24.079	mg/L	0.2929	1.22%
QC value within limits for Ca 227.546 Recovery = 96.32%								
Na 589.592	181005.4	26.470	mg/L	0.2688	26.470	mg/L	0.2688	1.02%
QC value within limits for Na 589.592 Recovery = 105.88%								
K 766.490	53999.5	26.220	mg/L	0.2397	26.220	mg/L	0.2397	0.91%
QC value within limits for K 766.490 Recovery = 104.88%								

All analyte(s) passed QC.

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Sequence No.: 80 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 3:57:39 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:25 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 360.073	1895378.4	98.106	%	1.2404				1.26%
Lu 261.542	1203267.2	97.93	%	1.223				1.25%
Ag 328.068†	-22.1	-0.00014	mg/L	0.000060	-0.00014	mg/L	0.000060	43.46%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	176.7	0.00849	mg/L	0.000996	0.00849	mg/L	0.000996	11.73%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	2.6	0.00276	mg/L	0.000755	0.00276	mg/L	0.000755	27.36%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	60.7	0.00076	mg/L	0.000216	0.00076	mg/L	0.000216	28.34%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	142.7	0.00006	mg/L	0.000031	0.00006	mg/L	0.000031	48.43%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	0.6	0.00002	mg/L	0.000082	0.00002	mg/L	0.000082	419.60%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	16.9	0.00025	mg/L	0.000129	0.00025	mg/L	0.000129	50.72%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	66.2	0.00031	mg/L	0.000243	0.00031	mg/L	0.000243	78.79%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	61.1	0.00272	mg/L	0.000421	0.00272	mg/L	0.000421	15.48%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	52.4	0.00335	mg/L	0.004781	0.00335	mg/L	0.004781	142.72%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	46.2	0.00009	mg/L	0.000060	0.00009	mg/L	0.000060	69.48%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	6.0	0.00025	mg/L	0.000277	0.00025	mg/L	0.000277	110.73%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	8.6	0.00188	mg/L	0.000351	0.00188	mg/L	0.000351	18.63%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	6.8	0.00474	mg/L	0.000416	0.00474	mg/L	0.000416	8.77%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.2	-0.00027	mg/L	0.006087	-0.00027	mg/L	0.006087	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	1.6	0.00166	mg/L	0.002150	0.00166	mg/L	0.002150	129.67%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-16.7	-0.00014	mg/L	0.000453	-0.00014	mg/L	0.000453	314.81%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	45.3	0.00184	mg/L	0.000328	0.00184	mg/L	0.000328	17.78%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	-4.7	-0.00011	mg/L	0.000163	-0.00011	mg/L	0.000163	153.00%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	68.4	0.00012	mg/L	0.000084	0.00012	mg/L	0.000084	70.51%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	6.7	0.03983	mg/L	0.042515	0.03983	mg/L	0.042515	106.74%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	142.7	0.02087	mg/L	0.006448	0.02087	mg/L	0.006448	30.89%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	71.1	0.03451	mg/L	0.037672	0.03451	mg/L	0.037672	109.15%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 81 **Autosampler Location: 149**
Sample ID: N1176-21A~SB-10-10-07 20X **Date Collected: 7/15/2014 4:01:18 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:26 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-21A~SB-10-10-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1883451.6	97.489	%	0.9720				1.00%
Lu 261.542	1193236.7	97.11	%	0.902				0.93%
Ag 328.068†	521.9	0.01012	mg/L	0.000243	0.01012	mg/L	0.000243	2.40%
Al 308.215†	119617.5	5.7444	mg/L	0.12624	5.7444	mg/L	0.12624	2.20%
As 188.979†	-7.7	0.03151	mg/L	0.000901	0.03151	mg/L	0.000901	2.86%
Ba 233.527†	8221.5	0.10311	mg/L	0.002602	0.10311	mg/L	0.002602	2.52%
Be 313.107†	1513.6	0.00119	mg/L	0.000012	0.00119	mg/L	0.000012	0.99%
Co 228.616†	829.4	0.02512	mg/L	0.000231	0.02512	mg/L	0.000231	0.92%

Cr 267.716†	16068.5	0.23953	mg/L	0.005319	0.23953	mg/L	0.005319	2.22%
Cu 324.752†	113546.5	0.55355	mg/L	0.011054	0.55355	mg/L	0.011054	2.00%
Fe 273.955†	8124749.8	362.45	mg/L	0.311	362.45	mg/L	0.311	0.09%
Mg 279.077†	142981.1	9.3102	mg/L	0.19185	9.3102	mg/L	0.19185	2.06%
Mn 257.610†	3149750.9	5.8663	mg/L	0.00702	5.8663	mg/L	0.00702	0.12%
Ni 231.604†	4963.1	0.20819	mg/L	0.000771	0.20819	mg/L	0.000771	0.37%
Pb 220.353†	4420.9	0.95311	mg/L	0.005645	0.95311	mg/L	0.005645	0.59%
Sb 206.836†	11.1	-0.00592	mg/L	0.003315	-0.00592	mg/L	0.003315	56.01%
Se 196.026†	-75.0	0.01673	mg/L	0.011469	0.01673	mg/L	0.011469	68.56%
Tl 190.801	-35.5	-0.00937	mg/L	0.001495	-0.00937	mg/L	0.001495	15.95%
V 292.402†	996.6	0.03001	mg/L	0.000328	0.03001	mg/L	0.000328	1.09%
Zn 206.200†	35788.2	1.4481	mg/L	0.02994	1.4481	mg/L	0.02994	2.07%
Cd 226.502†	1225.5	0.01206	mg/L	0.000198	0.01206	mg/L	0.000198	1.64%
Ti 334.940†	171893.8	0.29861	mg/L	0.006019	0.29861	mg/L	0.006019	2.02%
Ca 227.546†	5318.5	35.730	mg/L	0.0825	35.730	mg/L	0.0825	0.23%
Na 589.592	1942.7	0.28105	mg/L	0.016718	0.28105	mg/L	0.016718	5.95%
K 766.490	3035.3	1.4738	mg/L	0.01911	1.4738	mg/L	0.01911	1.30%

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Sequence No.: 82 **Autosampler Location: 150**
Sample ID: N1176-21ADUP~SB-10-10 20X **Date Collected: 7/15/2014 4:05:02 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:26 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-21ADUP~SB-10-10 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1885326.9	97.586	%	1.2077				1.24%
Lu 261.542	1200090.6	97.67	%	1.205				1.23%
Ag 328.068†	198.5	0.00439	mg/L	0.000153	0.00439	mg/L	0.000153	3.49%
Al 308.215†	118649.4	5.6986	mg/L	0.07592	5.6986	mg/L	0.07592	1.33%
As 188.979†	-2.3	0.01559	mg/L	0.004171	0.01559	mg/L	0.004171	26.74%
Ba 233.527†	7220.5	0.09056	mg/L	0.001290	0.09056	mg/L	0.001290	1.42%
Be 313.107†	1906.1	0.00115	mg/L	0.000031	0.00115	mg/L	0.000031	2.67%
Co 228.616†	457.9	0.01385	mg/L	0.000342	0.01385	mg/L	0.000342	2.47%
Cr 267.716†	7325.8	0.10825	mg/L	0.001547	0.10825	mg/L	0.001547	1.43%
Cu 324.752†	79615.9	0.38197	mg/L	0.004311	0.38197	mg/L	0.004311	1.13%
Fe 273.955†	3725918.5	166.22	mg/L	0.411	166.22	mg/L	0.411	0.25%
Mg 279.077†	111484.4	7.2022	mg/L	0.10318	7.2022	mg/L	0.10318	1.43%
Mn 257.610†	2844831.3	5.2985	mg/L	0.01192	5.2985	mg/L	0.01192	0.22%
Ni 231.604†	1873.9	0.07855	mg/L	0.001447	0.07855	mg/L	0.001447	1.84%
Pb 220.353†	2271.6	0.49102	mg/L	0.008295	0.49102	mg/L	0.008295	1.69%
Sb 206.836†	6.6	-0.00161	mg/L	0.003260	-0.00161	mg/L	0.003260	202.88%
Se 196.026†	-34.5	0.00581	mg/L	0.005397	0.00581	mg/L	0.005397	92.85%
Tl 190.801	-17.8	-0.00812	mg/L	0.004961	-0.00812	mg/L	0.004961	61.09%
V 292.402†	830.3	0.01694	mg/L	0.000456	0.01694	mg/L	0.000456	2.69%
Zn 206.200†	20212.2	0.81881	mg/L	0.013623	0.81881	mg/L	0.013623	1.66%
Cd 226.502†	527.3	0.00474	mg/L	0.000406	0.00474	mg/L	0.000406	8.55%
Ti 334.940†	100840.0	0.17526	mg/L	0.002561	0.17526	mg/L	0.002561	1.46%
Ca 227.546†	4859.2	30.866	mg/L	0.3847	30.866	mg/L	0.3847	1.25%
Na 589.592	1433.8	0.20664	mg/L	0.008652	0.20664	mg/L	0.008652	4.19%
K 766.490	1939.3	0.94161	mg/L	0.055791	0.94161	mg/L	0.055791	5.93%

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Sequence No.: 83 **Autosampler Location: 151**
Sample ID: N1176-21AMS~SB-10-10 20X **Date Collected: 7/15/2014 4:08:45 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:27 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-21AMS~SB-10-10 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1865400.3	96.555	%	0.1166				0.12%
Lu 261.542	1180591.2	96.08	%	0.265				0.28%
Ag 328.068†	9724.6	0.06605	mg/L	0.000251	0.06605	mg/L	0.000251	0.38%

Al 308.215†	99044.6	4.7566	mg/L	0.02653	4.7566	mg/L	0.02653	0.56%
As 188.979†	6.1	0.03973	mg/L	0.001615	0.03973	mg/L	0.001615	4.07%
Ba 233.527†	44200.4	0.55443	mg/L	0.004085	0.55443	mg/L	0.004085	0.74%
Be 313.107†	28569.4	0.01295	mg/L	0.000085	0.01295	mg/L	0.000085	0.66%
Co 228.616†	4315.7	0.13365	mg/L	0.000862	0.13365	mg/L	0.000862	0.65%
Cr 267.716†	22579.4	0.33777	mg/L	0.001804	0.33777	mg/L	0.001804	0.53%
Cu 324.752†	101935.2	0.49476	mg/L	0.003029	0.49476	mg/L	0.003029	0.61%
Fe 273.955†	6590373.9	294.01	mg/L	0.436	294.01	mg/L	0.436	0.15%
Mg 279.077†	123181.7	8.0120	mg/L	0.04972	8.0120	mg/L	0.04972	0.62%
Mn 257.610†	2748619.1	5.1192	mg/L	0.00943	5.1192	mg/L	0.00943	0.18%
Ni 231.604†	5927.8	0.24878	mg/L	0.002038	0.24878	mg/L	0.002038	0.82%
Pb 220.353†	2609.0	0.55881	mg/L	0.004921	0.55881	mg/L	0.004921	0.88%
Sb 206.836†	35.4	0.01175	mg/L	0.000052	0.01175	mg/L	0.000052	0.45%
Se 196.026†	-47.6	0.03556	mg/L	0.011390	0.03556	mg/L	0.011390	32.03%
Tl 190.801	-9.2	0.01062	mg/L	0.003853	0.01062	mg/L	0.003853	36.28%
V 292.402†	13824.1	0.13699	mg/L	0.001108	0.13699	mg/L	0.001108	0.81%
Zn 206.200†	25510.6	1.0318	mg/L	0.00542	1.0318	mg/L	0.00542	0.53%
Cd 226.502†	1466.9	0.02048	mg/L	0.000567	0.02048	mg/L	0.000567	2.77%
Ti 334.940†	104817.4	0.18197	mg/L	0.001198	0.18197	mg/L	0.001198	0.66%
Ca 227.546†	3479.6	23.964	mg/L	0.0927	23.964	mg/L	0.0927	0.39%
Na 589.592	9906.5	1.4464	mg/L	0.02507	1.4464	mg/L	0.02507	1.73%
K 766.490	4388.9	2.1310	mg/L	0.05971	2.1310	mg/L	0.05971	2.80%

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Sequence No.: 84 **Autosampler Location: 152**
Sample ID: N1176-21ASD~SB-10-10- 20X **Date Collected: 7/15/2014 4:12:30 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:28 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-21ASD~SB-10-10- 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1894509.3	98.061	%	1.0443				1.06%
Lu 261.542	1207059.6	98.24	%	1.064				1.08%
Ag 328.068†	106.0	0.00214	mg/L	0.000538	0.00214	mg/L	0.000538	25.17%
Al 308.215†	23662.1	1.1363	mg/L	0.02696	1.1363	mg/L	0.02696	2.37%
As 188.979†	2.0	0.01061	mg/L	0.002634	0.01061	mg/L	0.002634	24.83%
Ba 233.527†	1638.0	0.02054	mg/L	0.000257	0.02054	mg/L	0.000257	1.25%
Be 313.107†	303.1	0.00024	mg/L	0.000022	0.00024	mg/L	0.000022	9.09%
Co 228.616†	175.3	0.00532	mg/L	0.000192	0.00532	mg/L	0.000192	3.61%
Cr 267.716†	3255.2	0.04852	mg/L	0.000620	0.04852	mg/L	0.000620	1.28%
Cu 324.752†	22461.1	0.10994	mg/L	0.001718	0.10994	mg/L	0.001718	1.56%
Fe 273.955†	1747553.3	77.960	mg/L	0.2139	77.960	mg/L	0.2139	0.27%
Mg 279.077†	29484.8	1.9215	mg/L	0.03731	1.9215	mg/L	0.03731	1.94%
Mn 257.610†	650709.4	1.2119	mg/L	0.00328	1.2119	mg/L	0.00328	0.27%
Ni 231.604†	1041.8	0.04370	mg/L	0.000783	0.04370	mg/L	0.000783	1.79%
Pb 220.353†	913.3	0.19676	mg/L	0.003629	0.19676	mg/L	0.003629	1.84%
Sb 206.836†	5.9	0.00117	mg/L	0.002753	0.00117	mg/L	0.002753	234.64%
Se 196.026†	-18.3	0.00012	mg/L	0.002534	0.00012	mg/L	0.002534	>999.9%
Tl 190.801	-5.1	0.00058	mg/L	0.003134	0.00058	mg/L	0.003134	544.28%
V 292.402†	201.6	0.00634	mg/L	0.000447	0.00634	mg/L	0.000447	7.05%
Zn 206.200†	7399.4	0.29933	mg/L	0.005317	0.29933	mg/L	0.005317	1.78%
Cd 226.502†	237.3	0.00200	mg/L	0.000164	0.00200	mg/L	0.000164	8.20%
Ti 334.940†	34511.0	0.05995	mg/L	0.001245	0.05995	mg/L	0.001245	2.08%
Ca 227.546†	1029.9	7.0027	mg/L	0.10768	7.0027	mg/L	0.10768	1.54%
Na 589.592	422.7	0.06122	mg/L	0.015389	0.06122	mg/L	0.015389	25.14%
K 766.490	595.5	0.28915	mg/L	0.046153	0.28915	mg/L	0.046153	15.96%

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Sequence No.: 85 **Autosampler Location: 153**
Sample ID: N1176-21APDS~SB-10-10 20X **Date Collected: 7/15/2014 4:16:13 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:28 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-21APDS~SB-10-10 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1855700.4	96.053	%	0.6975				0.73%
Lu 261.542	1175574.8	95.68	%	0.660				0.69%
Ag 328.068†	9688.1	0.06708	mg/L	0.000857	0.06708	mg/L	0.000857	1.28%
Al 308.215†	128316.6	6.1613	mg/L	0.07975	6.1613	mg/L	0.07975	1.29%
As 188.979†	13.2	0.05378	mg/L	0.002931	0.05378	mg/L	0.002931	5.45%
Ba 233.527†	47192.5	0.59196	mg/L	0.007640	0.59196	mg/L	0.007640	1.29%
Be 313.107†	27562.4	0.01271	mg/L	0.000166	0.01271	mg/L	0.000166	1.30%
Co 228.616†	4659.4	0.14407	mg/L	0.001110	0.14407	mg/L	0.001110	0.77%
Cr 267.716†	18941.2	0.28277	mg/L	0.003984	0.28277	mg/L	0.003984	1.41%
Cu 324.752†	124661.9	0.60511	mg/L	0.008142	0.60511	mg/L	0.008142	1.35%
Fe 273.955†	8074246.6	360.21	mg/L	0.180	360.21	mg/L	0.180	0.05%
Mg 279.077†	159315.5	10.352	mg/L	0.1407	10.352	mg/L	0.1407	1.36%
Mn 257.610†	3182622.6	5.9275	mg/L	0.00268	5.9275	mg/L	0.00268	0.05%
Ni 231.604†	7757.7	0.32554	mg/L	0.002463	0.32554	mg/L	0.002463	0.76%
Pb 220.353†	4521.8	0.97534	mg/L	0.008905	0.97534	mg/L	0.008905	0.91%
Sb 206.836†	54.1	0.02358	mg/L	0.000587	0.02358	mg/L	0.000587	2.49%
Se 196.026†	-62.1	0.03728	mg/L	0.002770	0.03728	mg/L	0.002770	7.43%
Tl 190.801	-11.8	0.01325	mg/L	0.003321	0.01325	mg/L	0.003321	25.07%
V 292.402†	14603.1	0.14734	mg/L	0.001297	0.14734	mg/L	0.001297	0.88%
Zn 206.200†	38137.7	1.5440	mg/L	0.02289	1.5440	mg/L	0.02289	1.48%
Cd 226.502†	1707.8	0.02308	mg/L	0.000659	0.02308	mg/L	0.000659	2.86%
Ti 334.940†	172215.2	0.29913	mg/L	0.003732	0.29913	mg/L	0.003732	1.25%
Ca 227.546†	5503.8	36.786	mg/L	0.2471	36.786	mg/L	0.2471	0.67%
Na 589.592	10612.6	1.5489	mg/L	0.00696	1.5489	mg/L	0.00696	0.45%
K 766.490	5617.3	2.7275	mg/L	0.02522	2.7275	mg/L	0.02522	0.92%

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Sequence No.: 86 **Autosampler Location: 154**
Sample ID: N1176-22A~SB-11-10-0 20X **Date Collected: 7/15/2014 4:19:58 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:29 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-22A~SB-11-10-0 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1872058.9	96.899	%	0.8998				0.93%
Lu 261.542	1188853.6	96.76	%	0.817				0.84%
Ag 328.068†	-139.3	-0.00068	mg/L	0.000433	-0.00068	mg/L	0.000433	63.21%
Al 308.215†	102114.2	4.8998	mg/L	0.06598	4.8998	mg/L	0.06598	1.35%
As 188.979†	3.1	0.00513	mg/L	0.004771	0.00513	mg/L	0.004771	92.93%
Ba 233.527†	11256.1	0.14116	mg/L	0.001648	0.14116	mg/L	0.001648	1.17%
Be 313.107†	223.2	0.00032	mg/L	0.000024	0.00032	mg/L	0.000024	7.63%
Co 228.616†	73.5	0.00203	mg/L	0.000055	0.00203	mg/L	0.000055	2.73%
Cr 267.716†	443.4	0.00660	mg/L	0.000107	0.00660	mg/L	0.000107	1.62%
Cu 324.752†	3158.9	0.01534	mg/L	0.000608	0.01534	mg/L	0.000608	3.97%
Fe 273.955†	205727.1	9.1771	mg/L	0.03088	9.1771	mg/L	0.03088	0.34%
Mg 279.077†	82618.3	5.2814	mg/L	0.07920	5.2814	mg/L	0.07920	1.50%
Mn 257.610†	107108.4	0.19980	mg/L	0.002431	0.19980	mg/L	0.002431	1.22%
Ni 231.604†	152.8	0.00630	mg/L	0.000112	0.00630	mg/L	0.000112	1.78%
Pb 220.353†	576.5	0.12694	mg/L	0.002814	0.12694	mg/L	0.002814	2.22%
Sb 206.836†	3.4	0.00240	mg/L	0.001653	0.00240	mg/L	0.001653	68.90%
Se 196.026†	-4.7	-0.00525	mg/L	0.005114	-0.00525	mg/L	0.005114	97.45%
Tl 190.801	5.1	0.00712	mg/L	0.002512	0.00712	mg/L	0.002512	35.30%
V 292.402†	853.7	0.00779	mg/L	0.000609	0.00779	mg/L	0.000609	7.82%
Zn 206.200†	3221.1	0.13086	mg/L	0.001563	0.13086	mg/L	0.001563	1.19%
Cd 226.502†	28.6	0.00025	mg/L	0.000122	0.00025	mg/L	0.000122	48.61%
Ti 334.940†	71779.3	0.12512	mg/L	0.001607	0.12512	mg/L	0.001607	1.28%
Ca 227.546†	7730.8	46.351	mg/L	0.6598	46.351	mg/L	0.6598	1.42%
Na 589.592	1585.0	0.22919	mg/L	0.004729	0.22919	mg/L	0.004729	2.06%
K 766.490	1894.8	0.92000	mg/L	0.060006	0.92000	mg/L	0.060006	6.52%

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Sequence No.: 87 **Autosampler Location: 155**
Sample ID: N1176-23A~FD-02-070 20X **Date Collected: 7/15/2014 4:23:40 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:30 AM**
Logged In Analyst (Original) : mitOptima3

Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1176-23A~FD-02-070 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1869976.2	96.791	%	0.5752				0.59%
Lu 261.542	1187810.4	96.67	%	0.550				0.57%
Ag 328.068†	-71.5	0.00073	mg/L	0.000133	0.00073	mg/L	0.000133	18.23%
Al 308.215†	162214.7	7.7860	mg/L	0.06828	7.7860	mg/L	0.06828	0.88%
As 188.979†	5.3	0.01337	mg/L	0.003652	0.01337	mg/L	0.003652	27.31%
Ba 233.527†	19876.5	0.24928	mg/L	0.001825	0.24928	mg/L	0.001825	0.73%
Be 313.107†	259.6	0.00053	mg/L	0.000023	0.00053	mg/L	0.000023	4.23%
Co 228.616†	218.9	0.00631	mg/L	0.000320	0.00631	mg/L	0.000320	5.08%
Cr 267.716†	3373.2	0.05029	mg/L	0.000340	0.05029	mg/L	0.000340	0.68%
Cu 324.752†	18194.2	0.08891	mg/L	0.000376	0.08891	mg/L	0.000376	0.42%
Fe 273.955†	1370055.6	61.119	mg/L	0.1224	61.119	mg/L	0.1224	0.20%
Mg 279.077†	147333.2	9.4404	mg/L	0.10496	9.4404	mg/L	0.10496	1.11%
Mn 257.610†	664971.1	1.2388	mg/L	0.00284	1.2388	mg/L	0.00284	0.23%
Ni 231.604†	552.6	0.02300	mg/L	0.000299	0.02300	mg/L	0.000299	1.30%
Pb 220.353†	1342.0	0.29283	mg/L	0.001474	0.29283	mg/L	0.001474	0.50%
Sb 206.836†	1.2	-0.00102	mg/L	0.003169	-0.00102	mg/L	0.003169	309.67%
Se 196.026†	-18.9	-0.00879	mg/L	0.013885	-0.00879	mg/L	0.013885	157.99%
Tl 190.801	-4.1	0.00154	mg/L	0.000575	0.00154	mg/L	0.000575	37.31%
V 292.402†	1865.7	0.01953	mg/L	0.000381	0.01953	mg/L	0.000381	1.95%
Zn 206.200†	9854.3	0.39965	mg/L	0.002109	0.39965	mg/L	0.002109	0.53%
Cd 226.502†	205.6	0.00201	mg/L	0.000206	0.00201	mg/L	0.000206	10.26%
Ti 334.940†	137283.5	0.23894	mg/L	0.002225	0.23894	mg/L	0.002225	0.93%
Ca 227.546†	10340.0	62.523	mg/L	0.4742	62.523	mg/L	0.4742	0.76%
Na 589.592	4230.9	0.61463	mg/L	0.019882	0.61463	mg/L	0.019882	3.23%
K 766.490	2928.5	1.4219	mg/L	0.02660	1.4219	mg/L	0.02660	1.87%

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Sequence No.: 88 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 4:28:52 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:31 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1841733.1	95.330	%	0.4992				0.52%
Lu 261.542	1175393.9	95.66	%	0.531				0.56%
Ag 328.068†	200892.7	1.2494	mg/L	0.00127	1.2494	mg/L	0.00127	0.10%
QC value within limits for Ag 328.068 Recovery = 99.95%								
Al 308.215†	212217.2	10.174	mg/L	0.0201	10.174	mg/L	0.0201	0.20%
QC value within limits for Al 308.215 Recovery = 101.74%								
As 188.979†	465.1	0.50048	mg/L	0.005788	0.50048	mg/L	0.005788	1.16%
QC value within limits for As 188.979 Recovery = 100.10%								
Ba 233.527†	816419.5	10.241	mg/L	0.0053	10.241	mg/L	0.0053	0.05%
QC value within limits for Ba 233.527 Recovery = 102.41%								
Be 313.107†	564172.0	0.25028	mg/L	0.000320	0.25028	mg/L	0.000320	0.13%
QC value within limits for Be 313.107 Recovery = 100.11%								
Co 228.616†	78602.7	2.4402	mg/L	0.03691	2.4402	mg/L	0.03691	1.51%
QC value within limits for Co 228.616 Recovery = 97.61%								
Cr 267.716†	65336.5	0.98280	mg/L	0.015585	0.98280	mg/L	0.015585	1.59%
QC value within limits for Cr 267.716 Recovery = 98.28%								
Cu 324.752†	272588.1	1.2686	mg/L	0.00182	1.2686	mg/L	0.00182	0.14%
QC value within limits for Cu 324.752 Recovery = 101.49%								
Fe 273.955†	112208.3	5.0955	mg/L	0.07721	5.0955	mg/L	0.07721	1.52%
QC value within limits for Fe 273.955 Recovery = 101.91%								
Mg 279.077†	400644.6	25.592	mg/L	0.0062	25.592	mg/L	0.0062	0.02%
QC value within limits for Mg 279.077 Recovery = 102.37%								
Mn 257.610†	1360314.4	2.5328	mg/L	0.00155	2.5328	mg/L	0.00155	0.06%
QC value within limits for Mn 257.610 Recovery = 101.31%								
Ni 231.604†	60163.1	2.5261	mg/L	0.04051	2.5261	mg/L	0.04051	1.60%
QC value within limits for Ni 231.604 Recovery = 101.04%								

Pb 220.353†	2217.9	0.48659 mg/L	0.001131	0.48659 mg/L	0.001131	0.23%
QC value within limits for Pb 220.353 Recovery = 97.32%						
Sb 206.836†	681.2	0.46330 mg/L	0.002425	0.46330 mg/L	0.002425	0.52%
QC value within limits for Sb 206.836 Recovery = 92.66%						
Se 196.026†	294.2	0.49053 mg/L	0.010409	0.49053 mg/L	0.010409	2.12%
QC value within limits for Se 196.026 Recovery = 98.11%						
Tl 190.801	481.5	0.46156 mg/L	0.008230	0.46156 mg/L	0.008230	1.78%
QC value within limits for Tl 190.801 Recovery = 92.31%						
V 292.402†	293181.8	2.5311 mg/L	0.00156	2.5311 mg/L	0.00156	0.06%
QC value within limits for V 292.402 Recovery = 101.24%						
Zn 206.200†	61735.9	2.5168 mg/L	0.03648	2.5168 mg/L	0.03648	1.45%
QC value within limits for Zn 206.200 Recovery = 100.67%						
Cd 226.502†	10976.2	0.24826 mg/L	0.004785	0.24826 mg/L	0.004785	1.93%
QC value within limits for Cd 226.502 Recovery = 99.31%						
Ti 334.940†	288120.5	0.49955 mg/L	0.000319	0.49955 mg/L	0.000319	0.06%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ca 227.546†	4018.5	23.497 mg/L	0.1113	23.497 mg/L	0.1113	0.47%
QC value within limits for Ca 227.546 Recovery = 93.99%						
Na 589.592	181718.4	26.574 mg/L	0.5029	26.574 mg/L	0.5029	1.89%
QC value within limits for Na 589.592 Recovery = 106.30%						
K 766.490	54339.5	26.385 mg/L	0.4612	26.385 mg/L	0.4612	1.75%
QC value within limits for K 766.490 Recovery = 105.54%						

All analyte(s) passed QC.

Sequence No.: 89 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 4:32:34 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:31 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1899030.5	98.295	%	0.4297				0.44%
Lu 261.542	1205549.1	98.12	%	0.485				0.49%
Ag 328.068†	-69.0	-0.00043	mg/L	0.000291	-0.00043	mg/L	0.000291	67.93%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	161.6	0.00778	mg/L	0.002212	0.00778	mg/L	0.002212	28.43%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.1	0.00323	mg/L	0.002335	0.00323	mg/L	0.002335	72.29%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	55.1	0.00069	mg/L	0.000195	0.00069	mg/L	0.000195	28.26%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	30.1	0.00001	mg/L	0.000029	0.00001	mg/L	0.000029	217.25%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	2.2	0.00007	mg/L	0.000327	0.00007	mg/L	0.000327	470.58%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	16.5	0.00025	mg/L	0.000069	0.00025	mg/L	0.000069	27.73%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	65.8	0.00031	mg/L	0.000132	0.00031	mg/L	0.000132	43.16%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	54.6	0.00242	mg/L	0.000548	0.00242	mg/L	0.000548	22.64%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	41.1	0.00263	mg/L	0.003834	0.00263	mg/L	0.003834	145.86%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	5.8	0.00001	mg/L	0.000034	0.00001	mg/L	0.000034	321.30%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	6.5	0.00027	mg/L	0.000367	0.00027	mg/L	0.000367	136.04%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	4.3	0.00094	mg/L	0.001096	0.00094	mg/L	0.001096	116.05%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.2	-0.00084	mg/L	0.000506	-0.00084	mg/L	0.000506	60.27%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.1	-0.00185	mg/L	0.000943	-0.00185	mg/L	0.000943	50.93%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	5.3	0.00548	mg/L	0.006745	0.00548	mg/L	0.006745	123.15%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-40.7	-0.00035	mg/L	0.000360	-0.00035	mg/L	0.000360	102.78%

QC value within limits for V 292.402 Recovery = Not calculated

Zn 206.200†	19.4	0.00079 mg/L	0.000143	0.00079 mg/L	0.000143	18.12%
QC value within limits for Zn 206.200 Recovery = Not calculated							
Cd 226.502†	-3.8	-0.00009 mg/L	0.000171	-0.00009 mg/L	0.000171	197.90%
QC value within limits for Cd 226.502 Recovery = Not calculated							
Ti 334.940†	39.0	0.00007 mg/L	0.000039	0.00007 mg/L	0.000039	58.57%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Ca 227.546†	-3.8	-0.02259 mg/L	0.104532	-0.02259 mg/L	0.104532	462.68%
QC value within limits for Ca 227.546 Recovery = Not calculated							
Na 589.592	37.3	0.00545 mg/L	0.005366	0.00545 mg/L	0.005366	98.42%
QC value within limits for Na 589.592 Recovery = Not calculated							
K 766.490	69.5	0.03374 mg/L	0.024773	0.03374 mg/L	0.024773	73.41%
QC value within limits for K 766.490 Recovery = Not calculated							

All analyte(s) passed QC.

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Sequence No.: 90 **Autosampler Location: 38**
Sample ID: MB-78052~PBW **Date Collected: 7/15/2014 4:36:13 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:32 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: MB-78052~PBW

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1896887.5	98.184	%	0.7293				0.74%
Lu 261.542	1206071.5	98.16	%	0.640				0.65%
Ag 328.068†	-52.6	-0.00033	mg/L	0.000281	-0.00033	mg/L	0.000281	86.10%
Al 308.215†	327.7	0.01577	mg/L	0.004573	0.01577	mg/L	0.004573	29.01%
As 188.979†	3.4	0.00363	mg/L	0.002061	0.00363	mg/L	0.002061	56.84%
Ba 233.527†	10.3	0.00013	mg/L	0.000073	0.00013	mg/L	0.000073	56.74%
Be 313.107†	-4.7	0.00000	mg/L	0.000008	0.00000	mg/L	0.000008	438.36%
Co 228.616†	-8.7	-0.00027	mg/L	0.000153	-0.00027	mg/L	0.000153	56.89%
Cr 267.716†	9.0	0.00014	mg/L	0.000145	0.00014	mg/L	0.000145	106.97%
Cu 324.752†	172.0	0.00080	mg/L	0.000013	0.00080	mg/L	0.000013	1.58%
Fe 273.955†	228.4	0.01018	mg/L	0.003624	0.01018	mg/L	0.003624	35.61%
Mg 279.077†	103.7	0.00663	mg/L	0.004514	0.00663	mg/L	0.004514	68.13%
Mn 257.610†	551.7	0.00103	mg/L	0.000014	0.00103	mg/L	0.000014	1.35%
Ni 231.604†	1.1	0.00004	mg/L	0.000409	0.00004	mg/L	0.000409	909.91%
Pb 220.353†	10.1	0.00220	mg/L	0.000691	0.00220	mg/L	0.000691	31.34%
Sb 206.836†	3.3	0.00229	mg/L	0.003680	0.00229	mg/L	0.003680	160.37%
Se 196.026†	-1.4	-0.00234	mg/L	0.002587	-0.00234	mg/L	0.002587	110.73%
Tl 190.801	-0.5	-0.00054	mg/L	0.001602	-0.00054	mg/L	0.001602	296.94%
V 292.402†	-26.5	-0.00023	mg/L	0.000388	-0.00023	mg/L	0.000388	170.08%
Zn 206.200†	155.3	0.00632	mg/L	0.000093	0.00632	mg/L	0.000093	1.47%
Cd 226.502†	-3.6	-0.00008	mg/L	0.000101	-0.00008	mg/L	0.000101	122.95%
Ti 334.940†	67.3	0.00012	mg/L	0.000080	0.00012	mg/L	0.000080	68.48%
Ca 227.546†	-2.6	-0.01559	mg/L	0.056297	-0.01559	mg/L	0.056297	361.15%
Na 589.592	87.5	0.01279	mg/L	0.010773	0.01279	mg/L	0.010773	84.25%
K 766.490	42.3	0.02055	mg/L	0.031015	0.02055	mg/L	0.031015	150.91%

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Sequence No.: 91 **Autosampler Location: 39**
Sample ID: LCS-78052~LCS **Date Collected: 7/15/2014 4:39:52 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:33 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LCS-78052~LCS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1868265.1	96.703	%	0.4594				0.48%
Lu 261.542	1191824.4	97.00	%	0.523				0.54%
Ag 328.068†	182920.2	1.1376	mg/L	0.01827	1.1376	mg/L	0.01827	1.61%
Al 308.215†	188086.2	9.0161	mg/L	0.15347	9.0161	mg/L	0.15347	1.70%
As 188.979†	430.7	0.46352	mg/L	0.003986	0.46352	mg/L	0.003986	0.86%
Ba 233.527†	748537.4	9.3896	mg/L	0.00514	9.3896	mg/L	0.00514	0.05%

Be 313.107†	522710.8	0.23107	mg/L	0.000189	0.23107	mg/L	0.000189	0.08%
Co 228.616†	73560.3	2.2846	mg/L	0.04221	2.2846	mg/L	0.04221	1.85%
Cr 267.716†	61200.1	0.92055	mg/L	0.016267	0.92055	mg/L	0.016267	1.77%
Cu 324.752†	244626.9	1.1385	mg/L	0.01952	1.1385	mg/L	0.01952	1.71%
Fe 273.955†	105281.5	4.7776	mg/L	0.08913	4.7776	mg/L	0.08913	1.87%
Mg 279.077†	363587.2	23.225	mg/L	0.0101	23.225	mg/L	0.0101	0.04%
Mn 257.610†	1250740.3	2.3287	mg/L	0.00215	2.3287	mg/L	0.00215	0.09%
Ni 231.604†	54500.6	2.2886	mg/L	0.04015	2.2886	mg/L	0.04015	1.75%
Pb 220.353†	2120.2	0.46485	mg/L	0.004614	0.46485	mg/L	0.004614	0.99%
Sb 206.836†	667.1	0.45360	mg/L	0.004919	0.45360	mg/L	0.004919	1.08%
Se 196.026†	268.6	0.44792	mg/L	0.007001	0.44792	mg/L	0.007001	1.56%
Tl 190.801	458.7	0.44130	mg/L	0.008426	0.44130	mg/L	0.008426	1.91%
V 292.402†	263825.2	2.2782	mg/L	0.04266	2.2782	mg/L	0.04266	1.87%
Zn 206.200†	55976.1	2.2821	mg/L	0.04085	2.2821	mg/L	0.04085	1.79%
Cd 226.502†	10169.0	0.22999	mg/L	0.002057	0.22999	mg/L	0.002057	0.89%
Ti 334.940†	480.2	0.00000	mg/L	0.000171	0.00000	mg/L	0.000171	>999.9%
Ca 227.546†	3713.8	21.718	mg/L	0.1360	21.718	mg/L	0.1360	0.63%
Na 589.592	165790.9	24.245	mg/L	0.5347	24.245	mg/L	0.5347	2.21%
K 766.490	50072.9	24.313	mg/L	0.5018	24.313	mg/L	0.5018	2.06%

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Sequence No.: 92 **Autosampler Location: 40**
Sample ID: N1178-07F~96201 **Date Collected: 7/15/2014 4:43:33 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:33 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-07F~96201

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1913638.7	99.052	%	1.2605				1.27%
Lu 261.542	1219683.1	99.27	%	1.383				1.39%
Ag 328.068†	-16.3	-0.00009	mg/L	0.000360	-0.00009	mg/L	0.000360	380.10%
Al 308.215†	669.2	0.03123	mg/L	0.006742	0.03123	mg/L	0.006742	21.59%
As 188.979†	2.6	0.00288	mg/L	0.002998	0.00288	mg/L	0.002998	104.08%
Ba 233.527†	282.4	0.00354	mg/L	0.000177	0.00354	mg/L	0.000177	4.99%
Be 313.107†	53.1	0.00002	mg/L	0.000016	0.00002	mg/L	0.000016	65.86%
Co 228.616†	19.6	0.00061	mg/L	0.000113	0.00061	mg/L	0.000113	18.47%
Cr 267.716†	17.6	0.00024	mg/L	0.000164	0.00024	mg/L	0.000164	68.30%
Cu 324.752†	155.4	0.00075	mg/L	0.000291	0.00075	mg/L	0.000291	38.81%
Fe 273.955†	8301.7	0.37029	mg/L	0.005986	0.37029	mg/L	0.005986	1.62%
Mg 279.077†	17155.5	1.0959	mg/L	0.01523	1.0959	mg/L	0.01523	1.39%
Mn 257.610†	36145.2	0.06732	mg/L	0.001045	0.06732	mg/L	0.001045	1.55%
Ni 231.604†	13.8	0.00057	mg/L	0.000284	0.00057	mg/L	0.000284	49.92%
Pb 220.353†	9.8	0.00216	mg/L	0.001058	0.00216	mg/L	0.001058	48.92%
Sb 206.836†	5.9	0.00414	mg/L	0.001366	0.00414	mg/L	0.001366	33.01%
Se 196.026†	-0.1	-0.00020	mg/L	0.004173	-0.00020	mg/L	0.004173	>999.9%
Tl 190.801	3.8	0.00401	mg/L	0.002505	0.00401	mg/L	0.002505	62.44%
V 292.402†	-19.7	-0.00015	mg/L	0.000475	-0.00015	mg/L	0.000475	321.65%
Zn 206.200†	203.2	0.00827	mg/L	0.000350	0.00827	mg/L	0.000350	4.23%
Cd 226.502†	-1.6	-0.00005	mg/L	0.000085	-0.00005	mg/L	0.000085	163.84%
Ti 334.940†	49.6	0.00010	mg/L	0.000023	0.00010	mg/L	0.000023	23.50%
Ca 227.546†	653.6	3.9144	mg/L	0.08726	3.9144	mg/L	0.08726	2.23%
Na 589.592	34138.7	4.9934	mg/L	0.10251	4.9934	mg/L	0.10251	2.05%
K 766.490	1015.6	0.49311	mg/L	0.021460	0.49311	mg/L	0.021460	4.35%

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Sequence No.: 93 **Autosampler Location: 41**
Sample ID: N1178-08F~96202 **Date Collected: 7/15/2014 4:47:11 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:34 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-08F~96202

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1904253.7	98.566	%	1.4894				1.51%

Lu 261.542	1212593.2	98.69	%	1.565				1.59%
Ag 328.068†	-75.1	-0.00045	mg/L	0.000828	-0.00045	mg/L	0.000828	183.88%
Al 308.215†	1272.2	0.06013	mg/L	0.006562	0.06013	mg/L	0.006562	10.91%
As 188.979†	8.0	0.00864	mg/L	0.006112	0.00864	mg/L	0.006112	70.71%
Ba 233.527†	3714.3	0.04658	mg/L	0.000582	0.04658	mg/L	0.000582	1.25%
Be 313.107†	77.5	0.00004	mg/L	0.000022	0.00004	mg/L	0.000022	63.09%
Co 228.616†	-4.5	-0.00014	mg/L	0.000097	-0.00014	mg/L	0.000097	68.28%
Cr 267.716†	17.5	0.00026	mg/L	0.000040	0.00026	mg/L	0.000040	15.53%
Cu 324.752†	145.9	0.00074	mg/L	0.000563	0.00074	mg/L	0.000563	76.16%
Fe 273.955†	19384.7	0.86469	mg/L	0.020087	0.86469	mg/L	0.020087	2.32%
Mg 279.077†	21564.3	1.3778	mg/L	0.03558	1.3778	mg/L	0.03558	2.58%
Mn 257.610†	8162.3	0.01519	mg/L	0.000381	0.01519	mg/L	0.000381	2.51%
Ni 231.604†	9.8	0.00040	mg/L	0.000049	0.00040	mg/L	0.000049	12.18%
Pb 220.353†	6.8	0.00151	mg/L	0.001024	0.00151	mg/L	0.001024	67.99%
Sb 206.836†	3.9	0.00271	mg/L	0.002424	0.00271	mg/L	0.002424	89.43%
Se 196.026†	-2.9	-0.00458	mg/L	0.001899	-0.00458	mg/L	0.001899	41.42%
Tl 190.801	2.7	0.00295	mg/L	0.003117	0.00295	mg/L	0.003117	105.51%
V 292.402†	-42.5	-0.00032	mg/L	0.000717	-0.00032	mg/L	0.000717	226.88%
Zn 206.200†	122.7	0.00497	mg/L	0.000072	0.00497	mg/L	0.000072	1.44%
Cd 226.502†	-1.7	-0.00008	mg/L	0.000162	-0.00008	mg/L	0.000162	213.01%
Ti 334.940†	402.2	0.00070	mg/L	0.000233	0.00070	mg/L	0.000233	33.10%
Ca 227.546†	713.6	4.2788	mg/L	0.11554	4.2788	mg/L	0.11554	2.70%
Na 589.592	34558.1	5.0547	mg/L	0.03771	5.0547	mg/L	0.03771	0.75%
K 766.490	1726.4	0.83825	mg/L	0.037210	0.83825	mg/L	0.037210	4.44%

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Sequence No.: 94 **Autosampler Location: 42**
Sample ID: N1178-08FDUP~96202D **Date Collected: 7/15/2014 4:50:49 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:35 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-08FDUP~96202D

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1893082.9	97.988	%	0.8856				0.90%
Lu 261.542	1205885.2	98.14	%	0.981				1.00%
Ag 328.068†	-64.4	-0.00038	mg/L	0.000407	-0.00038	mg/L	0.000407	106.32%
Al 308.215†	1436.7	0.06797	mg/L	0.002188	0.06797	mg/L	0.002188	3.22%
As 188.979†	4.5	0.00496	mg/L	0.004912	0.00496	mg/L	0.004912	99.04%
Ba 233.527†	3938.6	0.04939	mg/L	0.000652	0.04939	mg/L	0.000652	1.32%
Be 313.107†	40.1	0.00002	mg/L	0.000012	0.00002	mg/L	0.000012	61.41%
Co 228.616†	-4.3	-0.00014	mg/L	0.000077	-0.00014	mg/L	0.000077	56.67%
Cr 267.716†	26.1	0.00039	mg/L	0.000156	0.00039	mg/L	0.000156	40.35%
Cu 324.752†	208.4	0.00103	mg/L	0.000287	0.00103	mg/L	0.000287	27.83%
Fe 273.955†	19697.2	0.87864	mg/L	0.003767	0.87864	mg/L	0.003767	0.43%
Mg 279.077†	22709.4	1.4509	mg/L	0.00610	1.4509	mg/L	0.00610	0.42%
Mn 257.610†	8519.7	0.01586	mg/L	0.000032	0.01586	mg/L	0.000032	0.20%
Ni 231.604†	2.3	0.00009	mg/L	0.000347	0.00009	mg/L	0.000347	405.62%
Pb 220.353†	10.4	0.00230	mg/L	0.000436	0.00230	mg/L	0.000436	18.98%
Sb 206.836†	0.6	0.00046	mg/L	0.001321	0.00046	mg/L	0.001321	290.10%
Se 196.026†	-2.9	-0.00464	mg/L	0.004007	-0.00464	mg/L	0.004007	86.29%
Tl 190.801	-0.2	0.00001	mg/L	0.003937	0.00001	mg/L	0.003937	>999.9%
V 292.402†	12.5	0.00016	mg/L	0.000371	0.00016	mg/L	0.000371	233.19%
Zn 206.200†	112.8	0.00457	mg/L	0.000039	0.00457	mg/L	0.000039	0.85%
Cd 226.502†	-1.0	-0.00006	mg/L	0.000104	-0.00006	mg/L	0.000104	175.13%
Ti 334.940†	500.9	0.00088	mg/L	0.000398	0.00088	mg/L	0.000398	45.40%
Ca 227.546†	762.7	4.5728	mg/L	0.02574	4.5728	mg/L	0.02574	0.56%
Na 589.592	35014.9	5.1215	mg/L	0.05801	5.1215	mg/L	0.05801	1.13%
K 766.490	1676.8	0.81418	mg/L	0.025817	0.81418	mg/L	0.025817	3.17%

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Sequence No.: 95 **Autosampler Location: 43**
Sample ID: N1178-08FMS~96202S **Date Collected: 7/15/2014 4:54:28 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:35 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-08FMS~96202S

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1842524.6	95.371	%	0.5777				0.61%
Lu 261.542	1175562.9	95.67	%	0.561				0.59%
Ag 328.068†	190646.0	1.1856	mg/L	0.00050	1.1856	mg/L	0.00050	0.04%
Al 308.215†	198040.3	9.4923	mg/L	0.00787	9.4923	mg/L	0.00787	0.08%
As 188.979†	458.3	0.49325	mg/L	0.003181	0.49325	mg/L	0.003181	0.64%
Ba 233.527†	786793.3	9.8695	mg/L	0.00996	9.8695	mg/L	0.00996	0.10%
Be 313.107†	540856.3	0.23910	mg/L	0.000189	0.23910	mg/L	0.000189	0.08%
Co 228.616†	77015.2	2.3919	mg/L	0.00342	2.3919	mg/L	0.00342	0.14%
Cr 267.716†	64093.4	0.96408	mg/L	0.001608	0.96408	mg/L	0.001608	0.17%
Cu 324.752†	258900.6	1.2050	mg/L	0.00070	1.2050	mg/L	0.00070	0.06%
Fe 273.955†	129063.9	5.8422	mg/L	0.01222	5.8422	mg/L	0.01222	0.21%
Mg 279.077†	399966.7	25.549	mg/L	0.0571	25.549	mg/L	0.0571	0.22%
Mn 257.610†	1304563.4	2.4290	mg/L	0.00200	2.4290	mg/L	0.00200	0.08%
Ni 231.604†	56879.2	2.3885	mg/L	0.00278	2.3885	mg/L	0.00278	0.12%
Pb 220.353†	2189.4	0.48003	mg/L	0.003671	0.48003	mg/L	0.003671	0.76%
Sb 206.836†	703.1	0.47818	mg/L	0.001223	0.47818	mg/L	0.001223	0.26%
Se 196.026†	279.4	0.46611	mg/L	0.006461	0.46611	mg/L	0.006461	1.39%
Tl 190.801	469.5	0.45120	mg/L	0.006800	0.45120	mg/L	0.006800	1.51%
V 292.402†	275898.6	2.3825	mg/L	0.00338	2.3825	mg/L	0.00338	0.14%
Zn 206.200†	58517.4	2.3857	mg/L	0.00087	2.3857	mg/L	0.00087	0.04%
Cd 226.502†	10922.8	0.24698	mg/L	0.001016	0.24698	mg/L	0.001016	0.41%
Ti 334.940†	799.8	0.00053	mg/L	0.000147	0.00053	mg/L	0.000147	27.80%
Ca 227.546†	4685.0	27.515	mg/L	0.2051	27.515	mg/L	0.2051	0.75%
Na 589.592	208896.8	30.550	mg/L	0.4356	30.550	mg/L	0.4356	1.43%
K 766.490	53623.4	26.037	mg/L	0.3803	26.037	mg/L	0.3803	1.46%

Sequence No.: 96 **Autosampler Location: 44**
Sample ID: N1178-08FSD~96202 **Date Collected: 7/15/2014 4:58:11 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:36 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-08FSD~96202

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1900260.4	98.359	%	1.2187				1.24%
Lu 261.542	1207150.0	98.25	%	1.222				1.24%
Ag 328.068†	-22.4	-0.00014	mg/L	0.000264	-0.00014	mg/L	0.000264	193.92%
Al 308.215†	464.5	0.02212	mg/L	0.007077	0.02212	mg/L	0.007077	31.99%
As 188.979†	5.9	0.00625	mg/L	0.001769	0.00625	mg/L	0.001769	28.32%
Ba 233.527†	807.1	0.01012	mg/L	0.000049	0.01012	mg/L	0.000049	0.48%
Be 313.107†	34.4	0.00002	mg/L	0.000029	0.00002	mg/L	0.000029	188.48%
Co 228.616†	-2.3	-0.00007	mg/L	0.000117	-0.00007	mg/L	0.000117	159.63%
Cr 267.716†	4.1	0.00006	mg/L	0.000136	0.00006	mg/L	0.000136	222.61%
Cu 324.752†	76.4	0.00037	mg/L	0.000222	0.00037	mg/L	0.000222	60.50%
Fe 273.955†	3890.2	0.17353	mg/L	0.002687	0.17353	mg/L	0.002687	1.55%
Mg 279.077†	4409.2	0.28170	mg/L	0.003463	0.28170	mg/L	0.003463	1.23%
Mn 257.610†	1664.6	0.00310	mg/L	0.000125	0.00310	mg/L	0.000125	4.05%
Ni 231.604†	7.7	0.00032	mg/L	0.000120	0.00032	mg/L	0.000120	37.41%
Pb 220.353†	0.1	0.00002	mg/L	0.000522	0.00002	mg/L	0.000522	>999.9%
Sb 206.836†	4.2	0.00289	mg/L	0.001200	0.00289	mg/L	0.001200	41.59%
Se 196.026†	-1.3	-0.00212	mg/L	0.004926	-0.00212	mg/L	0.004926	232.59%
Tl 190.801	0.6	0.00067	mg/L	0.001854	0.00067	mg/L	0.001854	276.74%
V 292.402†	-6.8	-0.00005	mg/L	0.000327	-0.00005	mg/L	0.000327	676.65%
Zn 206.200†	12.4	0.00050	mg/L	0.000104	0.00050	mg/L	0.000104	20.94%
Cd 226.502†	-4.3	-0.00011	mg/L	0.000046	-0.00011	mg/L	0.000046	43.43%
Ti 334.940†	115.2	0.00020	mg/L	0.000039	0.00020	mg/L	0.000039	19.38%
Ca 227.546†	143.9	0.86268	mg/L	0.043633	0.86268	mg/L	0.043633	5.06%
Na 589.592	6928.0	1.0133	mg/L	0.00633	1.0133	mg/L	0.00633	0.62%
K 766.490	446.4	0.21677	mg/L	0.044685	0.21677	mg/L	0.044685	20.61%

Sequence No.: 97 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 5:01:49 PM**

Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:37 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1840591.5	95.271	%	1.0174				1.07%
Lu 261.542	1175837.1	95.70	%	1.051				1.10%
Ag 328.068†	201271.1	1.2517	mg/L	0.00278	1.2517	mg/L	0.00278	0.22%
QC value within limits for Ag 328.068 Recovery = 100.14%								
Al 308.215†	212318.2	10.178	mg/L	0.0155	10.178	mg/L	0.0155	0.15%
QC value within limits for Al 308.215 Recovery = 101.78%								
As 188.979†	463.8	0.49908	mg/L	0.002598	0.49908	mg/L	0.002598	0.52%
QC value within limits for As 188.979 Recovery = 99.82%								
Ba 233.527†	818103.8	10.262	mg/L	0.0121	10.262	mg/L	0.0121	0.12%
QC value within limits for Ba 233.527 Recovery = 102.62%								
Be 313.107†	565441.5	0.25084	mg/L	0.000260	0.25084	mg/L	0.000260	0.10%
QC value within limits for Be 313.107 Recovery = 100.34%								
Co 228.616†	78905.5	2.4496	mg/L	0.06089	2.4496	mg/L	0.06089	2.49%
QC value within limits for Co 228.616 Recovery = 97.98%								
Cr 267.716†	65640.8	0.98738	mg/L	0.023379	0.98738	mg/L	0.023379	2.37%
QC value within limits for Cr 267.716 Recovery = 98.74%								
Cu 324.752†	273163.3	1.2713	mg/L	0.00242	1.2713	mg/L	0.00242	0.19%
QC value within limits for Cu 324.752 Recovery = 101.70%								
Fe 273.955†	112526.8	5.1100	mg/L	0.12213	5.1100	mg/L	0.12213	2.39%
QC value within limits for Fe 273.955 Recovery = 102.20%								
Mg 279.077†	400974.9	25.613	mg/L	0.0492	25.613	mg/L	0.0492	0.19%
QC value within limits for Mg 279.077 Recovery = 102.45%								
Mn 257.610†	1360742.5	2.5335	mg/L	0.00271	2.5335	mg/L	0.00271	0.11%
QC value within limits for Mn 257.610 Recovery = 101.34%								
Ni 231.604†	60511.6	2.5408	mg/L	0.06453	2.5408	mg/L	0.06453	2.54%
QC value within limits for Ni 231.604 Recovery = 101.63%								
Pb 220.353†	2237.3	0.49083	mg/L	0.008539	0.49083	mg/L	0.008539	1.74%
QC value within limits for Pb 220.353 Recovery = 98.17%								
Sb 206.836†	686.6	0.46699	mg/L	0.012811	0.46699	mg/L	0.012811	2.74%
QC value within limits for Sb 206.836 Recovery = 93.40%								
Se 196.026†	296.6	0.49460	mg/L	0.006766	0.49460	mg/L	0.006766	1.37%
QC value within limits for Se 196.026 Recovery = 98.92%								
Tl 190.801	489.0	0.46915	mg/L	0.003193	0.46915	mg/L	0.003193	0.68%
QC value within limits for Tl 190.801 Recovery = 93.83%								
V 292.402†	293955.3	2.5377	mg/L	0.00416	2.5377	mg/L	0.00416	0.16%
QC value within limits for V 292.402 Recovery = 101.51%								
Zn 206.200†	62011.0	2.5280	mg/L	0.06794	2.5280	mg/L	0.06794	2.69%
QC value within limits for Zn 206.200 Recovery = 101.12%								
Cd 226.502†	11027.9	0.24944	mg/L	0.006574	0.24944	mg/L	0.006574	2.64%
QC value within limits for Cd 226.502 Recovery = 99.77%								
Ti 334.940†	288606.3	0.50039	mg/L	0.000866	0.50039	mg/L	0.000866	0.17%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4038.4	23.614	mg/L	0.3603	23.614	mg/L	0.3603	1.53%
QC value within limits for Ca 227.546 Recovery = 94.46%								
Na 589.592	179893.1	26.307	mg/L	0.0841	26.307	mg/L	0.0841	0.32%
QC value within limits for Na 589.592 Recovery = 105.23%								
K 766.490	53734.4	26.091	mg/L	0.1109	26.091	mg/L	0.1109	0.43%
QC value within limits for K 766.490 Recovery = 104.36%								

All analyte(s) passed QC.

Sequence No.: 98 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 5:05:31 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:37 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

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Y 360.073          1914145.4      99.078 %          0.0598                                  0.06%
Lu 261.542         1214887.4       98.88 %           0.130                                  0.13%
Ag 328.068†            -60.3    -0.00037 mg/L      0.000760    -0.00037 mg/L      0.000760 202.61%
   QC value within limits for Ag 328.068  Recovery = Not calculated
Al 308.215†            243.4     0.01172 mg/L      0.004790     0.01172 mg/L      0.004790  40.88%
   QC value within limits for Al 308.215  Recovery = Not calculated
As 188.979†             1.7     0.00181 mg/L      0.002576     0.00181 mg/L      0.002576 142.53%
   QC value within limits for As 188.979  Recovery = Not calculated
Ba 233.527†            40.0     0.00050 mg/L      0.000240     0.00050 mg/L      0.000240  47.97%
   QC value within limits for Ba 233.527  Recovery = Not calculated
Be 313.107†            39.4     0.00002 mg/L      0.000019     0.00002 mg/L      0.000019 110.52%
   QC value within limits for Be 313.107  Recovery = Not calculated
Co 228.616†             0.9     0.00003 mg/L      0.000197     0.00003 mg/L      0.000197 713.63%
   QC value within limits for Co 228.616  Recovery = Not calculated
Cr 267.716†             9.5     0.00014 mg/L      0.000140     0.00014 mg/L      0.000140  98.44%
   QC value within limits for Cr 267.716  Recovery = Not calculated
Cu 324.752†            112.1     0.00052 mg/L      0.000164     0.00052 mg/L      0.000164  31.47%
   QC value within limits for Cu 324.752  Recovery = Not calculated
Fe 273.955†            63.0     0.00279 mg/L      0.000551     0.00279 mg/L      0.000551  19.73%
   QC value within limits for Fe 273.955  Recovery = Not calculated
Mg 279.077†            62.1     0.00397 mg/L      0.003445     0.00397 mg/L      0.003445  86.75%
   QC value within limits for Mg 279.077  Recovery = Not calculated
Mn 257.610†             2.3     0.00000 mg/L      0.000039     0.00000 mg/L      0.000039 >999.9%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Ni 231.604†             9.1     0.00038 mg/L      0.000300     0.00038 mg/L      0.000300  79.25%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†             3.1     0.00067 mg/L      0.001718     0.00067 mg/L      0.001718 254.64%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†             8.8     0.00610 mg/L      0.000441     0.00610 mg/L      0.000441   7.23%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†             0.2     0.00029 mg/L      0.008605     0.00029 mg/L      0.008605 >999.9%
   QC value within limits for Se 196.026  Recovery = Not calculated
Tl 190.801              5.6     0.00578 mg/L      0.000867     0.00578 mg/L      0.000867  15.01%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 292.402†             -54.4    -0.00047 mg/L      0.000336    -0.00047 mg/L      0.000336  71.77%
   QC value within limits for V 292.402  Recovery = Not calculated
Zn 206.200†            16.7     0.00068 mg/L      0.000172     0.00068 mg/L      0.000172  25.31%
   QC value within limits for Zn 206.200  Recovery = Not calculated
Cd 226.502†            -3.1    -0.00007 mg/L      0.000136    -0.00007 mg/L      0.000136 195.15%
   QC value within limits for Cd 226.502  Recovery = Not calculated
Ti 334.940†            19.0     0.00003 mg/L      0.000037     0.00003 mg/L      0.000037 114.16%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Ca 227.546†            -5.9    -0.03510 mg/L      0.074766    -0.03510 mg/L      0.074766 213.03%
   QC value within limits for Ca 227.546  Recovery = Not calculated
Na 589.592             92.8     0.01356 mg/L      0.002614     0.01356 mg/L      0.002614  19.28%
   QC value within limits for Na 589.592  Recovery = Not calculated
K 766.490              50.1     0.02432 mg/L      0.066096     0.02432 mg/L      0.066096 271.73%
   QC value within limits for K 766.490  Recovery = Not calculated
All analyte(s) passed QC.
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Sequence No.: 99 **Autosampler Location: 45**
Sample ID: N1178-08FPDS~96202 **Date Collected: 7/15/2014 5:09:10 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:38 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-08FPDS~96202

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1850514.1	95.784	%	0.2540				0.27%
Lu 261.542	1181739.4	96.18	%	0.220				0.23%
Ag 328.068†	182150.7	1.1329	mg/L	0.00084	1.1329	mg/L	0.00084	0.07%
Al 308.215†	193889.3	9.2933	mg/L	0.00966	9.2933	mg/L	0.00966	0.10%
As 188.979†	435.3	0.46869	mg/L	0.003952	0.46869	mg/L	0.003952	0.84%
Ba 233.527†	775519.2	9.7280	mg/L	0.00868	9.7280	mg/L	0.00868	0.09%
Be 313.107†	534298.2	0.23620	mg/L	0.000237	0.23620	mg/L	0.000237	0.10%
Co 228.616†	75380.1	2.3411	mg/L	0.04722	2.3411	mg/L	0.04722	2.02%
Cr 267.716†	62488.7	0.93994	mg/L	0.015994	0.93994	mg/L	0.015994	1.70%

Cu 324.752†	254997.3	1.1868	mg/L	0.00216	1.1868	mg/L	0.00216	0.18%
Fe 273.955†	124942.0	5.6570	mg/L	0.10723	5.6570	mg/L	0.10723	1.90%
Mg 279.077†	392655.9	25.082	mg/L	0.0146	25.082	mg/L	0.0146	0.06%
Mn 257.610†	1287093.2	2.3964	mg/L	0.00230	2.3964	mg/L	0.00230	0.10%
Ni 231.604†	55822.2	2.3441	mg/L	0.04824	2.3441	mg/L	0.04824	2.06%
Pb 220.353†	2099.0	0.46020	mg/L	0.005170	0.46020	mg/L	0.005170	1.12%
Sb 206.836†	648.3	0.44046	mg/L	0.001603	0.44046	mg/L	0.001603	0.36%
Se 196.026†	273.1	0.45568	mg/L	0.010927	0.45568	mg/L	0.010927	2.40%
Tl 190.801	460.0	0.44208	mg/L	0.008712	0.44208	mg/L	0.008712	1.97%
V 292.402†	271652.5	2.3458	mg/L	0.00405	2.3458	mg/L	0.00405	0.17%
Zn 206.200†	57229.0	2.3332	mg/L	0.04829	2.3332	mg/L	0.04829	2.07%
Cd 226.502†	10465.6	0.23666	mg/L	0.005418	0.23666	mg/L	0.005418	2.29%
Ti 334.940†	947.8	0.00080	mg/L	0.000371	0.00080	mg/L	0.000371	46.41%
Ca 227.546†	4550.5	26.719	mg/L	0.0896	26.719	mg/L	0.0896	0.34%
Na 589.592	197791.8	28.926	mg/L	0.0419	28.926	mg/L	0.0419	0.14%
K 766.490	51825.0	25.164	mg/L	0.0244	25.164	mg/L	0.0244	0.10%

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Sequence No.: 100 **Autosampler Location: 46**
Sample ID: N1178-09F~98434 **Date Collected: 7/15/2014 5:12:52 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:39 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-09F~98434

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1861661.2	96.361	%	0.8735				0.91%
Lu 261.542	1188179.9	96.70	%	0.906				0.94%
Ag 328.068†	14.6	0.00009	mg/L	0.000331	0.00009	mg/L	0.000331	362.61%
Al 308.215†	516.3	0.02143	mg/L	0.005744	0.02143	mg/L	0.005744	26.81%
As 188.979†	7.2	0.00771	mg/L	0.004100	0.00771	mg/L	0.004100	53.20%
Ba 233.527†	2352.4	0.02950	mg/L	0.000509	0.02950	mg/L	0.000509	1.72%
Be 313.107†	56.3	0.00002	mg/L	0.000008	0.00002	mg/L	0.000008	30.28%
Co 228.616†	8.3	0.00026	mg/L	0.000173	0.00026	mg/L	0.000173	67.26%
Cr 267.716†	98.6	0.00098	mg/L	0.000200	0.00098	mg/L	0.000200	20.42%
Cu 324.752†	333.8	0.00155	mg/L	0.000284	0.00155	mg/L	0.000284	18.28%
Fe 273.955†	394.3	0.01725	mg/L	0.000305	0.01725	mg/L	0.000305	1.77%
Mg 279.077†	114686.8	7.3252	mg/L	0.14603	7.3252	mg/L	0.14603	1.99%
Mn 257.610†	742983.1	1.3836	mg/L	0.00325	1.3836	mg/L	0.00325	0.23%
Ni 231.604†	24.0	0.00095	mg/L	0.000176	0.00095	mg/L	0.000176	18.43%
Pb 220.353†	11.1	0.00257	mg/L	0.001573	0.00257	mg/L	0.001573	61.15%
Sb 206.836†	5.1	0.00378	mg/L	0.001218	0.00378	mg/L	0.001218	32.19%
Se 196.026†	2.7	0.00336	mg/L	0.007910	0.00336	mg/L	0.007910	235.46%
Tl 190.801	3.1	0.00235	mg/L	0.001791	0.00235	mg/L	0.001791	76.32%
V 292.402†	21.1	0.00019	mg/L	0.000809	0.00019	mg/L	0.000809	433.63%
Zn 206.200†	153.4	0.00625	mg/L	0.000271	0.00625	mg/L	0.000271	4.34%
Cd 226.502†	-1.7	-0.00004	mg/L	0.000193	-0.00004	mg/L	0.000193	497.34%
Ti 334.940†	-37.8	-0.00018	mg/L	0.000194	-0.00018	mg/L	0.000194	109.75%
Ca 227.546†	2158.1	12.911	mg/L	0.1490	12.911	mg/L	0.1490	1.15%
Na 589.592	209801.7	30.687	mg/L	0.2075	30.687	mg/L	0.2075	0.68%
K 766.490	6945.1	3.3722	mg/L	0.07797	3.3722	mg/L	0.07797	2.31%

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Sequence No.: 101 **Autosampler Location: 47**
Sample ID: N1178-10F~BLIND DUPLICAT **Date Collected: 7/15/2014 5:16:32 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:39 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-10F~BLIND DUPLICAT

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1878582.4	97.237	%	1.1519				1.18%
Lu 261.542	1199852.4	97.65	%	1.214				1.24%
Ag 328.068†	-37.2	-0.00023	mg/L	0.000292	-0.00023	mg/L	0.000292	126.52%
Al 308.215†	472.5	0.01941	mg/L	0.000825	0.01941	mg/L	0.000825	4.25%

As 188.979†	6.7	0.00716	mg/L	0.002852	0.00716	mg/L	0.002852 39.85%
Ba 233.527†	2224.2	0.02789	mg/L	0.000591	0.02789	mg/L	0.000591 2.12%
Be 313.107†	8.1	0.00000	mg/L	0.000012	0.00000	mg/L	0.000012 393.82%
Co 228.616†	3.4	0.00011	mg/L	0.000147	0.00011	mg/L	0.000147 138.07%
Cr 267.716†	90.2	0.00090	mg/L	0.000085	0.00090	mg/L	0.000085 9.40%
Cu 324.752†	195.8	0.00091	mg/L	0.000113	0.00091	mg/L	0.000113 12.45%
Fe 273.955†	193.5	0.00830	mg/L	0.000402	0.00830	mg/L	0.000402 4.85%
Mg 279.077†	113303.6	7.2369	mg/L	0.12403	7.2369	mg/L	0.12403 1.71%
Mn 257.610†	669208.1	1.2462	mg/L	0.00231	1.2462	mg/L	0.00231 0.18%
Ni 231.604†	31.2	0.00126	mg/L	0.000211	0.00126	mg/L	0.000211 16.80%
Pb 220.353†	3.8	0.00095	mg/L	0.000932	0.00095	mg/L	0.000932 98.25%
Sb 206.836†	3.2	0.00247	mg/L	0.000858	0.00247	mg/L	0.000858 34.76%
Se 196.026†	0.1	-0.00096	mg/L	0.002035	-0.00096	mg/L	0.002035 212.02%
Tl 190.801	2.6	0.00192	mg/L	0.006904	0.00192	mg/L	0.006904 359.29%
V 292.402†	21.9	0.00019	mg/L	0.000325	0.00019	mg/L	0.000325 168.71%
Zn 206.200†	128.9	0.00525	mg/L	0.000293	0.00525	mg/L	0.000293 5.57%
Cd 226.502†	-3.7	-0.00008	mg/L	0.000057	-0.00008	mg/L	0.000057 68.52%
Ti 334.940†	-138.2	-0.00035	mg/L	0.000093	-0.00035	mg/L	0.000093 26.31%
Ca 227.546†	2100.2	12.565	mg/L	0.2532	12.565	mg/L	0.2532 2.02%
Na 589.592	202830.4	29.668	mg/L	0.1030	29.668	mg/L	0.1030 0.35%
K 766.490	6482.6	3.1477	mg/L	0.08222	3.1477	mg/L	0.08222 2.61%

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Sequence No.: 102 **Autosampler Location: 48**
Sample ID: N1178-11F~MW-101S **Date Collected: 7/15/2014 5:20:12 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:40 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-11F~MW-101S

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1857692.4	96.156	%	1.4820				1.54%
Lu 261.542	1186273.4	96.55	%	1.552				1.61%
Ag 328.068†	-168.1	-0.00104	mg/L	0.000215	-0.00104	mg/L	0.000215	20.61%
Al 308.215†	708.9	0.03228	mg/L	0.004292	0.03228	mg/L	0.004292	13.30%
As 188.979†	2.9	0.00315	mg/L	0.002301	0.00315	mg/L	0.002301	72.95%
Ba 233.527†	1777.0	0.02228	mg/L	0.000319	0.02228	mg/L	0.000319	1.43%
Be 313.107†	36.2	0.00002	mg/L	0.000007	0.00002	mg/L	0.000007	45.21%
Co 228.616†	5.0	0.00015	mg/L	0.000159	0.00015	mg/L	0.000159	103.24%
Cr 267.716†	61.7	0.00076	mg/L	0.000102	0.00076	mg/L	0.000102	13.47%
Cu 324.752†	356.7	0.00166	mg/L	0.000268	0.00166	mg/L	0.000268	16.15%
Fe 273.955†	326.5	0.01445	mg/L	0.000125	0.01445	mg/L	0.000125	0.86%
Mg 279.077†	38350.4	2.4495	mg/L	0.02261	2.4495	mg/L	0.02261	0.92%
Mn 257.610†	249188.6	0.46409	mg/L	0.001061	0.46409	mg/L	0.001061	0.23%
Ni 231.604†	14.4	0.00059	mg/L	0.000410	0.00059	mg/L	0.000410	69.74%
Pb 220.353†	9.4	0.00214	mg/L	0.001005	0.00214	mg/L	0.001005	47.00%
Sb 206.836†	3.7	0.00266	mg/L	0.003381	0.00266	mg/L	0.003381	127.34%
Se 196.026†	-1.4	-0.00276	mg/L	0.007730	-0.00276	mg/L	0.007730	279.98%
Tl 190.801	1.0	0.00081	mg/L	0.001762	0.00081	mg/L	0.001762	216.43%
V 292.402†	7.0	0.00006	mg/L	0.000222	0.00006	mg/L	0.000222	352.25%
Zn 206.200†	168.4	0.00686	mg/L	0.000224	0.00686	mg/L	0.000224	3.26%
Cd 226.502†	-4.0	-0.00009	mg/L	0.000160	-0.00009	mg/L	0.000160	178.50%
Ti 334.940†	20.5	0.00004	mg/L	0.000018	0.00004	mg/L	0.000018	43.36%
Ca 227.546†	1226.9	7.3402	mg/L	0.09922	7.3402	mg/L	0.09922	1.35%
Na 589.592	311857.3	45.615	mg/L	0.1444	45.615	mg/L	0.1444	0.32%
K 766.490	2419.1	1.1746	mg/L	0.03349	1.1746	mg/L	0.03349	2.85%

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Sequence No.: 103 **Autosampler Location: 49**
Sample ID: N1178-12F~MW-104D **Date Collected: 7/15/2014 5:23:52 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:41 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-12F~MW-104D

Analyte	Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 360.073	1894726.7	98.073	%	0.9612				0.98%
Lu 261.542	1208216.9	98.33	%	0.921				0.94%
Ag 328.068†	-2.5	0.00002	mg/L	0.000468	0.00002	mg/L	0.000468	>999.9%
Al 308.215†	421.6	0.01674	mg/L	0.004136	0.01674	mg/L	0.004136	24.70%
As 188.979†	6.0	0.00679	mg/L	0.004183	0.00679	mg/L	0.004183	61.64%
Ba 233.527†	2182.4	0.02737	mg/L	0.000127	0.02737	mg/L	0.000127	0.46%
Be 313.107†	45.5	0.00002	mg/L	0.000020	0.00002	mg/L	0.000020	97.92%
Co 228.616†	22.1	0.00069	mg/L	0.000020	0.00069	mg/L	0.000020	2.97%
Cr 267.716†	28.3	0.00038	mg/L	0.000049	0.00038	mg/L	0.000049	12.78%
Cu 324.752†	247.2	0.00128	mg/L	0.000503	0.00128	mg/L	0.000503	39.15%
Fe 273.955†	42860.8	1.9118	mg/L	0.01748	1.9118	mg/L	0.01748	0.91%
Mg 279.077†	77331.7	4.9402	mg/L	0.04206	4.9402	mg/L	0.04206	0.85%
Mn 257.610†	62230.5	0.11586	mg/L	0.000831	0.11586	mg/L	0.000831	0.72%
Ni 231.604†	10.7	0.00042	mg/L	0.000446	0.00042	mg/L	0.000446	106.99%
Pb 220.353†	2.0	0.00049	mg/L	0.000699	0.00049	mg/L	0.000699	143.10%
Sb 206.836†	-0.4	-0.00011	mg/L	0.001776	-0.00011	mg/L	0.001776	>999.9%
Se 196.026†	-0.8	-0.00110	mg/L	0.004683	-0.00110	mg/L	0.004683	425.68%
Tl 190.801	-2.8	-0.00229	mg/L	0.003155	-0.00229	mg/L	0.003155	137.86%
V 292.402†	-47.1	-0.00029	mg/L	0.000324	-0.00029	mg/L	0.000324	110.22%
Zn 206.200†	121.6	0.00490	mg/L	0.000149	0.00490	mg/L	0.000149	3.05%
Cd 226.502†	-3.2	-0.00015	mg/L	0.000021	-0.00015	mg/L	0.000021	13.86%
Ti 334.940†	-54.6	-0.00009	mg/L	0.000055	-0.00009	mg/L	0.000055	59.71%
Ca 227.546†	2386.1	14.296	mg/L	0.1206	14.296	mg/L	0.1206	0.84%
Na 589.592	57253.9	8.3744	mg/L	0.09320	8.3744	mg/L	0.09320	1.11%
K 766.490	2817.0	1.3678	mg/L	0.05229	1.3678	mg/L	0.05229	3.82%

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Sequence No.: 104 **Autosampler Location: 50**
Sample ID: N1194-11D~GW-TP-01-07101 **Date Collected: 7/15/2014 5:27:32 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:41 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-11D~GW-TP-01-07101

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1790729.1	92.690	%	1.5415				1.66%
Lu 261.542	1144970.9	93.18	%	1.578				1.69%
Ag 328.068†	-172.4	-0.00100	mg/L	0.000659	-0.00100	mg/L	0.000659	66.00%
Al 308.215†	1449.6	0.04853	mg/L	0.008138	0.04853	mg/L	0.008138	16.77%
As 188.979†	1.6	0.00321	mg/L	0.001339	0.00321	mg/L	0.001339	41.73%
Ba 233.527†	27345.0	0.34292	mg/L	0.008698	0.34292	mg/L	0.008698	2.54%
Be 313.107†	25.8	0.00002	mg/L	0.000009	0.00002	mg/L	0.000009	46.20%
Co 228.616†	-0.6	-0.00003	mg/L	0.000117	-0.00003	mg/L	0.000117	431.67%
Cr 267.716†	103.2	0.00152	mg/L	0.000203	0.00152	mg/L	0.000203	13.35%
Cu 324.752†	229.5	0.00132	mg/L	0.000405	0.00132	mg/L	0.000405	30.63%
Fe 273.955†	80741.6	3.5969	mg/L	0.08707	3.5969	mg/L	0.08707	2.42%
Mg 279.077†	1756334.3	112.18	mg/L	0.201	112.18	mg/L	0.201	0.18%
Mn 257.610†	54200.7	0.09725	mg/L	0.002340	0.09725	mg/L	0.002340	2.41%
Ni 231.604†	26.2	0.00030	mg/L	0.000351	0.00030	mg/L	0.000351	115.97%
Pb 220.353†	3.9	0.00128	mg/L	0.002130	0.00128	mg/L	0.002130	166.44%
Sb 206.836†	-1.5	0.00167	mg/L	0.002261	0.00167	mg/L	0.002261	135.48%
Se 196.026†	0.9	-0.00017	mg/L	0.006871	-0.00017	mg/L	0.006871	>999.9%
Tl 190.801	-4.0	0.00015	mg/L	0.000886	0.00015	mg/L	0.000886	589.56%
V 292.402†	641.2	0.00574	mg/L	0.000076	0.00574	mg/L	0.000076	1.32%
Zn 206.200†	124.8	0.00499	mg/L	0.000345	0.00499	mg/L	0.000345	6.92%
Cd 226.502†	0.2	-0.00015	mg/L	0.000135	-0.00015	mg/L	0.000135	89.13%
Ti 334.940†	2577.4	0.00084	mg/L	0.000087	0.00084	mg/L	0.000087	10.33%
Ca 227.546†	9924.3	59.413	mg/L	1.2230	59.413	mg/L	1.2230	2.06%
Na 589.592	310445.4	45.408	mg/L	0.7211	45.408	mg/L	0.7211	1.59%
K 766.490	452395.2	219.66	mg/L	3.606	219.66	mg/L	3.606	1.64%

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Sequence No.: 105 **Autosampler Location: 51**
Sample ID: N1194-25D~GW-TP-03-07101 **Date Collected: 7/15/2014 5:31:14 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:42 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**

Dilution: **Sample Prep Vol:**

Mean Data: N1194-25D~GW-TP-03-07101

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1779504.5	92.109	%	0.3005				0.33%
Lu 261.542	1138027.7	92.62	%	0.312				0.34%
Ag 328.068†	-52.5	-0.00011	mg/L	0.000363	-0.00011	mg/L	0.000363	336.31%
Al 308.215†	39260.3	1.8666	mg/L	0.02519	1.8666	mg/L	0.02519	1.35%
As 188.979†	7.2	0.01042	mg/L	0.002066	0.01042	mg/L	0.002066	19.84%
Ba 233.527†	9389.8	0.11775	mg/L	0.000476	0.11775	mg/L	0.000476	0.40%
Be 313.107†	572.4	0.00031	mg/L	0.000010	0.00031	mg/L	0.000010	3.16%
Co 228.616†	75.5	0.00227	mg/L	0.000101	0.00227	mg/L	0.000101	4.46%
Cr 267.716†	477.2	0.00673	mg/L	0.000083	0.00673	mg/L	0.000083	1.23%
Cu 324.752†	4452.1	0.02151	mg/L	0.000271	0.02151	mg/L	0.000271	1.26%
Fe 273.955†	256084.7	11.423	mg/L	0.1600	11.423	mg/L	0.1600	1.40%
Mg 279.077†	331273.7	21.165	mg/L	0.3229	21.165	mg/L	0.3229	1.53%
Mn 257.610†	654376.0	1.2189	mg/L	0.00052	1.2189	mg/L	0.00052	0.04%
Ni 231.604†	220.7	0.00910	mg/L	0.000081	0.00910	mg/L	0.000081	0.89%
Pb 220.353†	286.1	0.06327	mg/L	0.002978	0.06327	mg/L	0.002978	4.71%
Sb 206.836†	3.2	0.00299	mg/L	0.003250	0.00299	mg/L	0.003250	108.51%
Se 196.026†	-4.4	-0.00581	mg/L	0.003132	-0.00581	mg/L	0.003132	53.91%
Tl 190.801	-1.4	0.00136	mg/L	0.004916	0.00136	mg/L	0.004916	360.90%
V 292.402†	212.1	0.00248	mg/L	0.000125	0.00248	mg/L	0.000125	5.03%
Zn 206.200†	3805.2	0.15464	mg/L	0.000895	0.15464	mg/L	0.000895	0.58%
Cd 226.502†	29.3	0.00017	mg/L	0.000070	0.00017	mg/L	0.000070	41.51%
Ti 334.940†	19984.8	0.03511	mg/L	0.000471	0.03511	mg/L	0.000471	1.34%
Ca 227.546†	14862.8	89.044	mg/L	0.3141	89.044	mg/L	0.3141	0.35%
Na 589.592	1122360.3	164.16	mg/L	0.651	164.16	mg/L	0.651	0.40%
K 766.490	719024.5	349.12	mg/L	1.651	349.12	mg/L	1.651	0.47%

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Sequence No.: 106 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 5:34:57 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:43 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1851438.1	95.832	%	0.7335				0.77%
Lu 261.542	1181369.6	96.15	%	0.733				0.76%
Ag 328.068†	201888.0	1.2555	mg/L	0.03344	1.2555	mg/L	0.03344	2.66%
QC value within limits for Ag 328.068 Recovery = 100.44%								
Al 308.215†	213472.3	10.234	mg/L	0.2921	10.234	mg/L	0.2921	2.85%
QC value within limits for Al 308.215 Recovery = 102.34%								
As 188.979†	458.8	0.49391	mg/L	0.006309	0.49391	mg/L	0.006309	1.28%
QC value within limits for As 188.979 Recovery = 98.78%								
Ba 233.527†	813020.9	10.199	mg/L	0.0116	10.199	mg/L	0.0116	0.11%
QC value within limits for Ba 233.527 Recovery = 101.99%								
Be 313.107†	561223.3	0.24897	mg/L	0.000027	0.24897	mg/L	0.000027	0.01%
QC value within limits for Be 313.107 Recovery = 99.59%								
Co 228.616†	79573.7	2.4703	mg/L	0.07072	2.4703	mg/L	0.07072	2.86%
QC value within limits for Co 228.616 Recovery = 98.81%								
Cr 267.716†	66167.5	0.99531	mg/L	0.027935	0.99531	mg/L	0.027935	2.81%
QC value within limits for Cr 267.716 Recovery = 99.53%								
Cu 324.752†	270237.4	1.2577	mg/L	0.03380	1.2577	mg/L	0.03380	2.69%
QC value within limits for Cu 324.752 Recovery = 100.61%								
Fe 273.955†	113519.5	5.1544	mg/L	0.14881	5.1544	mg/L	0.14881	2.89%
QC value within limits for Fe 273.955 Recovery = 103.09%								
Mg 279.077†	398215.0	25.437	mg/L	0.0369	25.437	mg/L	0.0369	0.15%
QC value within limits for Mg 279.077 Recovery = 101.75%								
Mn 257.610†	1353203.8	2.5195	mg/L	0.00096	2.5195	mg/L	0.00096	0.04%
QC value within limits for Mn 257.610 Recovery = 100.78%								
Ni 231.604†	60803.1	2.5530	mg/L	0.07241	2.5530	mg/L	0.07241	2.84%
QC value within limits for Ni 231.604 Recovery = 102.12%								
Pb 220.353†	2240.4	0.49151	mg/L	0.005299	0.49151	mg/L	0.005299	1.08%

QC value within limits for Pb 220.353 Recovery = 98.30%

Sb 206.836†	645.9	0.43865 mg/L	0.005053	0.43865 mg/L	0.005053	1.15%

QC value less than the lower limit for Sb 206.836 Recovery = 87.73%

Se 196.026†	292.2	0.48728 mg/L	0.005825	0.48728 mg/L	0.005825	1.20%

QC value within limits for Se 196.026 Recovery = 97.46%

Tl 190.801	480.7	0.46045 mg/L	0.009161	0.46045 mg/L	0.009161	1.99%

QC value within limits for Tl 190.801 Recovery = 92.09%

V 292.402†	294171.5	2.5396 mg/L	0.07096	2.5396 mg/L	0.07096	2.79%

QC value within limits for V 292.402 Recovery = 101.59%

Zn 206.200†	62396.1	2.5437 mg/L	0.08150	2.5437 mg/L	0.08150	3.20%

QC value within limits for Zn 206.200 Recovery = 101.75%

Cd 226.502†	11092.4	0.25089 mg/L	0.007598	0.25089 mg/L	0.007598	3.03%

QC value within limits for Cd 226.502 Recovery = 100.36%

Ti 334.940†	284644.7	0.49352 mg/L	0.000170	0.49352 mg/L	0.000170	0.03%

QC value within limits for Ti 334.940 Recovery = Not calculated

Ca 227.546†	4027.8	23.548 mg/L	0.2024	23.548 mg/L	0.2024	0.86%

QC value within limits for Ca 227.546 Recovery = 94.19%

Na 589.592	183730.1	26.868 mg/L	0.1523	26.868 mg/L	0.1523	0.57%

QC value within limits for Na 589.592 Recovery = 107.47%

K 766.490	54762.1	26.590 mg/L	0.1307	26.590 mg/L	0.1307	0.49%

QC value within limits for K 766.490 Recovery = 106.36%

QC Failed. Continue with analysis.

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Sequence No.: 107 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 5:38:39 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:43 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1893650.1	98.017	%	0.5561				0.57%
Lu 261.542	1201575.2	97.79	%	0.592				0.61%
Ag 328.068†	-60.1	-0.00037	mg/L	0.000131	-0.00037	mg/L	0.000131	35.10%

QC value within limits for Ag 328.068 Recovery = Not calculated

Al 308.215†	186.6	0.00897 mg/L	0.006453	0.00897 mg/L	0.006453	71.91%

QC value within limits for Al 308.215 Recovery = Not calculated

As 188.979†	5.2	0.00551 mg/L	0.003682	0.00551 mg/L	0.003682	66.77%

QC value within limits for As 188.979 Recovery = Not calculated

Ba 233.527†	77.3	0.00097 mg/L	0.000336	0.00097 mg/L	0.000336	34.64%

QC value within limits for Ba 233.527 Recovery = Not calculated

Be 313.107†	91.5	0.00004 mg/L	0.000015	0.00004 mg/L	0.000015	35.77%

QC value within limits for Be 313.107 Recovery = Not calculated

Co 228.616†	-1.0	-0.00003 mg/L	0.000268	-0.00003 mg/L	0.000268	881.12%

QC value within limits for Co 228.616 Recovery = Not calculated

Cr 267.716†	13.4	0.00020 mg/L	0.000160	0.00020 mg/L	0.000160	79.64%

QC value within limits for Cr 267.716 Recovery = Not calculated

Cu 324.752†	96.3	0.00045 mg/L	0.000378	0.00045 mg/L	0.000378	84.22%

QC value within limits for Cu 324.752 Recovery = Not calculated

Fe 273.955†	66.8	0.00298 mg/L	0.000402	0.00298 mg/L	0.000402	13.48%

QC value within limits for Fe 273.955 Recovery = Not calculated

Mg 279.077†	111.5	0.00713 mg/L	0.002996	0.00713 mg/L	0.002996	42.04%

QC value within limits for Mg 279.077 Recovery = Not calculated

Mn 257.610†	91.1	0.00017 mg/L	0.000078	0.00017 mg/L	0.000078	46.31%

QC value within limits for Mn 257.610 Recovery = Not calculated

Ni 231.604†	13.1	0.00055 mg/L	0.000300	0.00055 mg/L	0.000300	54.56%

QC value within limits for Ni 231.604 Recovery = Not calculated

Pb 220.353†	6.8	0.00149 mg/L	0.000517	0.00149 mg/L	0.000517	34.67%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	5.3	0.00370 mg/L	0.003050	0.00370 mg/L	0.003050	82.32%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	-0.8	-0.00131 mg/L	0.007837	-0.00131 mg/L	0.007837	597.56%

QC value within limits for Se 196.026 Recovery = Not calculated

Tl 190.801	0.2	0.00020 mg/L	0.002672	0.00020 mg/L	0.002672	>999.9%

QC value within limits for Tl 190.801 Recovery = Not calculated

V 292.402†	11.1	0.00010 mg/L	0.000323	0.00010 mg/L	0.000323	336.03%

QC value within limits for V 292.402 Recovery = Not calculated

Zn 206.200† 12.9 0.00053 mg/L 0.000356 0.00053 mg/L 0.000356 67.54%
QC value within limits for Zn 206.200 Recovery = Not calculated
Cd 226.502† 0.7 0.00002 mg/L 0.000061 0.00002 mg/L 0.000061 390.22%
QC value within limits for Cd 226.502 Recovery = Not calculated
Ti 334.940† 40.0 0.00007 mg/L 0.000052 0.00007 mg/L 0.000052 74.74%
QC value within limits for Ti 334.940 Recovery = Not calculated
Ca 227.546† -0.5 -0.00298 mg/L 0.053579 -0.00298 mg/L 0.053579 >999.9%
QC value within limits for Ca 227.546 Recovery = Not calculated
Na 589.592 503.6 0.07366 mg/L 0.006149 0.07366 mg/L 0.006149 8.35%
QC value within limits for Na 589.592 Recovery = Not calculated
K 766.490 433.3 0.21037 mg/L 0.070108 0.21037 mg/L 0.070108 33.33%
QC value within limits for K 766.490 Recovery = Not calculated
All analyte(s) passed QC.

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Sequence No.: 108 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 5:44:38 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:44 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1850610.9	95.789	%	0.3561				0.37%
Lu 261.542	1182759.1	96.26	%	0.383				0.40%
Ag 328.068†	201714.0	1.2545	mg/L	0.00077	1.2545	mg/L	0.00077	0.06%
QC value within limits for Ag 328.068 Recovery = 100.36%								
Al 308.215†	213029.2	10.212	mg/L	0.0107	10.212	mg/L	0.0107	0.10%
QC value within limits for Al 308.215 Recovery = 102.12%								
As 188.979†	461.7	0.49670	mg/L	0.003419	0.49670	mg/L	0.003419	0.69%
QC value within limits for As 188.979 Recovery = 99.34%								
Ba 233.527†	820481.5	10.292	mg/L	0.0105	10.292	mg/L	0.0105	0.10%
QC value within limits for Ba 233.527 Recovery = 102.92%								
Be 313.107†	567517.2	0.25176	mg/L	0.000379	0.25176	mg/L	0.000379	0.15%
QC value within limits for Be 313.107 Recovery = 100.70%								
Co 228.616†	77590.4	2.4087	mg/L	0.03924	2.4087	mg/L	0.03924	1.63%
QC value within limits for Co 228.616 Recovery = 96.35%								
Cr 267.716†	64576.3	0.97137	mg/L	0.015190	0.97137	mg/L	0.015190	1.56%
QC value within limits for Cr 267.716 Recovery = 97.14%								
Cu 324.752†	273203.2	1.2715	mg/L	0.00045	1.2715	mg/L	0.00045	0.04%
QC value within limits for Cu 324.752 Recovery = 101.72%								
Fe 273.955†	110250.8	5.0088	mg/L	0.08057	5.0088	mg/L	0.08057	1.61%
QC value within limits for Fe 273.955 Recovery = 100.18%								
Mg 279.077†	402596.4	25.717	mg/L	0.0106	25.717	mg/L	0.0106	0.04%
QC value within limits for Mg 279.077 Recovery = 102.87%								
Mn 257.610†	1367116.9	2.5454	mg/L	0.00174	2.5454	mg/L	0.00174	0.07%
QC value within limits for Mn 257.610 Recovery = 101.82%								
Ni 231.604†	59312.2	2.4904	mg/L	0.03994	2.4904	mg/L	0.03994	1.60%
QC value within limits for Ni 231.604 Recovery = 99.62%								
Pb 220.353†	2207.2	0.48424	mg/L	0.002419	0.48424	mg/L	0.002419	0.50%
QC value within limits for Pb 220.353 Recovery = 96.85%								
Sb 206.836†	637.1	0.43291	mg/L	0.001184	0.43291	mg/L	0.001184	0.27%
QC value less than the lower limit for Sb 206.836 Recovery = 86.58%								
Se 196.026†	293.6	0.48946	mg/L	0.014679	0.48946	mg/L	0.014679	3.00%
QC value within limits for Se 196.026 Recovery = 97.89%								
Tl 190.801	489.0	0.46935	mg/L	0.004233	0.46935	mg/L	0.004233	0.90%
QC value within limits for Tl 190.801 Recovery = 93.87%								
V 292.402†	295468.0	2.5507	mg/L	0.00332	2.5507	mg/L	0.00332	0.13%
QC value within limits for V 292.402 Recovery = 102.03%								
Zn 206.200†	60922.0	2.4836	mg/L	0.04155	2.4836	mg/L	0.04155	1.67%
QC value within limits for Zn 206.200 Recovery = 99.35%								
Cd 226.502†	10783.6	0.24391	mg/L	0.003767	0.24391	mg/L	0.003767	1.54%
QC value within limits for Cd 226.502 Recovery = 97.56%								
Ti 334.940†	286793.0	0.49724	mg/L	0.000151	0.49724	mg/L	0.000151	0.03%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4006.0	23.426	mg/L	0.0368	23.426	mg/L	0.0368	0.16%
QC value within limits for Ca 227.546 Recovery = 93.70%								
Na 589.592	181269.9	26.508	mg/L	0.2136	26.508	mg/L	0.2136	0.81%

QC value within limits for Na 589.592 Recovery = 106.03%
K 766.490 54152.9 26.294 mg/L 0.1916 26.294 mg/L 0.1916 0.73%
QC value within limits for K 766.490 Recovery = 105.18%
QC Failed. Continue with analysis.

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Sequence No.: 109 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 5:48:23 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:45 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1899562.8	98.323	%	0.7550				0.77%
Lu 261.542	1205629.8	98.12	%	0.722				0.74%
Ag 328.068†	-33.3	-0.00021	mg/L	0.000257	-0.00021	mg/L	0.000257	124.28%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	322.6	0.01552	mg/L	0.000264	0.01552	mg/L	0.000264	1.70%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	2.6	0.00278	mg/L	0.000858	0.00278	mg/L	0.000858	30.91%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	60.7	0.00076	mg/L	0.000156	0.00076	mg/L	0.000156	20.53%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	61.9	0.00003	mg/L	0.000026	0.00003	mg/L	0.000026	95.96%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	-0.6	-0.00002	mg/L	0.000045	-0.00002	mg/L	0.000045	242.08%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	5.3	0.00008	mg/L	0.000058	0.00008	mg/L	0.000058	72.18%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	51.3	0.00024	mg/L	0.000156	0.00024	mg/L	0.000156	65.47%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	69.8	0.00312	mg/L	0.000486	0.00312	mg/L	0.000486	15.59%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	95.4	0.00609	mg/L	0.003064	0.00609	mg/L	0.003064	50.30%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	45.9	0.00009	mg/L	0.000054	0.00009	mg/L	0.000054	63.55%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	4.3	0.00018	mg/L	0.000279	0.00018	mg/L	0.000279	155.98%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.0	0.00022	mg/L	0.001037	0.00022	mg/L	0.001037	479.50%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	4.4	0.00304	mg/L	0.000707	0.00304	mg/L	0.000707	23.25%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-2.5	-0.00411	mg/L	0.005707	-0.00411	mg/L	0.005707	138.89%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	2.5	0.00255	mg/L	0.003289	0.00255	mg/L	0.003289	128.75%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	17.1	0.00015	mg/L	0.000381	0.00015	mg/L	0.000381	256.96%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	14.9	0.00061	mg/L	0.000384	0.00061	mg/L	0.000384	63.09%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	-7.8	-0.00018	mg/L	0.000003	-0.00018	mg/L	0.000003	1.75%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	-17.0	-0.00003	mg/L	0.000071	-0.00003	mg/L	0.000071	234.90%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	-5.6	-0.03367	mg/L	0.033315	-0.03367	mg/L	0.033315	98.94%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	273.3	0.03997	mg/L	0.015579	0.03997	mg/L	0.015579	38.97%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	265.7	0.12900	mg/L	0.087404	0.12900	mg/L	0.087404	67.75%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 110 **Autosampler Location: 52**
Sample ID: N1194-26D~GW-TP-02-07101 **Date Collected: 7/15/2014 5:52:02 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:46 AM**

Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-26D~GW-TP-02-07101

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1845247.2	95.512	%	1.1006				1.15%
Lu 261.542	1170741.3	95.28	%	1.149				1.21%
Ag 328.068†	34.1	0.00086	mg/L	0.000305	0.00086	mg/L	0.000305	35.51%
Al 308.215†	365325.8	17.533	mg/L	0.2146	17.533	mg/L	0.2146	1.22%
As 188.979†	9.0	0.01576	mg/L	0.004802	0.01576	mg/L	0.004802	30.46%
Ba 233.527†	16041.2	0.20120	mg/L	0.002387	0.20120	mg/L	0.002387	1.19%
Be 313.107†	1762.3	0.00100	mg/L	0.000018	0.00100	mg/L	0.000018	1.78%
Co 228.616†	475.3	0.01451	mg/L	0.000462	0.01451	mg/L	0.000462	3.18%
Cr 267.716†	1984.7	0.02942	mg/L	0.000261	0.02942	mg/L	0.000261	0.89%
Cu 324.752†	7064.9	0.03516	mg/L	0.000710	0.03516	mg/L	0.000710	2.02%
Fe 273.955†	734679.4	32.773	mg/L	0.0499	32.773	mg/L	0.0499	0.15%
Mg 279.077†	317123.8	20.271	mg/L	0.2676	20.271	mg/L	0.2676	1.32%
Mn 257.610†	655454.9	1.2216	mg/L	0.00140	1.2216	mg/L	0.00140	0.11%
Ni 231.604†	1145.4	0.04789	mg/L	0.000531	0.04789	mg/L	0.000531	1.11%
Pb 220.353†	268.9	0.06062	mg/L	0.001332	0.06062	mg/L	0.001332	2.20%
Sb 206.836†	7.1	0.00471	mg/L	0.001768	0.00471	mg/L	0.001768	37.53%
Se 196.026†	-9.4	-0.00615	mg/L	0.012095	-0.00615	mg/L	0.012095	196.70%
Tl 190.801	-1.1	0.00472	mg/L	0.003045	0.00472	mg/L	0.003045	64.56%
V 292.402†	3759.9	0.03429	mg/L	0.000273	0.03429	mg/L	0.000273	0.80%
Zn 206.200†	4364.4	0.17662	mg/L	0.002259	0.17662	mg/L	0.002259	1.28%
Cd 226.502†	105.3	0.00097	mg/L	0.000189	0.00097	mg/L	0.000189	19.38%
Ti 334.940†	70865.5	0.12434	mg/L	0.000311	0.12434	mg/L	0.000311	0.25%
Ca 227.546†	24629.1	147.70	mg/L	2.038	147.70	mg/L	2.038	1.38%
Na 589.592	172718.1	25.254	mg/L	0.2442	25.254	mg/L	0.2442	0.97%
K 766.490	76573.1	37.180	mg/L	0.3655	37.180	mg/L	0.3655	0.98%

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Sequence No.: 111 **Autosampler Location: 53**
Sample ID: N1194-27D~FB-01-071014 **Date Collected: 7/15/2014 5:55:43 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:46 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-27D~FB-01-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1893714.7	98.020	%	1.2039				1.23%
Lu 261.542	1203988.3	97.99	%	1.185				1.21%
Ag 328.068†	-120.0	-0.00074	mg/L	0.000747	-0.00074	mg/L	0.000747	100.30%
Al 308.215†	297.3	0.01428	mg/L	0.005211	0.01428	mg/L	0.005211	36.49%
As 188.979†	3.8	0.00404	mg/L	0.000477	0.00404	mg/L	0.000477	11.80%
Ba 233.527†	14.5	0.00018	mg/L	0.000108	0.00018	mg/L	0.000108	59.38%
Be 313.107†	61.8	0.00003	mg/L	0.000018	0.00003	mg/L	0.000018	64.71%
Co 228.616†	-3.2	-0.00010	mg/L	0.000232	-0.00010	mg/L	0.000232	229.56%
Cr 267.716†	12.1	0.00018	mg/L	0.000160	0.00018	mg/L	0.000160	88.03%
Cu 324.752†	125.5	0.00058	mg/L	0.000331	0.00058	mg/L	0.000331	56.61%
Fe 273.955†	287.7	0.01283	mg/L	0.000710	0.01283	mg/L	0.000710	5.54%
Mg 279.077†	93.0	0.00595	mg/L	0.002322	0.00595	mg/L	0.002322	39.03%
Mn 257.610†	432.6	0.00081	mg/L	0.000013	0.00081	mg/L	0.000013	1.65%
Ni 231.604†	-1.1	-0.00005	mg/L	0.000056	-0.00005	mg/L	0.000056	121.63%
Pb 220.353†	6.7	0.00147	mg/L	0.001111	0.00147	mg/L	0.001111	75.36%
Sb 206.836†	6.1	0.00424	mg/L	0.003352	0.00424	mg/L	0.003352	79.03%
Se 196.026†	-3.5	-0.00578	mg/L	0.003713	-0.00578	mg/L	0.003713	64.21%
Tl 190.801	-1.4	-0.00144	mg/L	0.004510	-0.00144	mg/L	0.004510	312.28%
V 292.402†	-23.5	-0.00020	mg/L	0.000642	-0.00020	mg/L	0.000642	317.81%
Zn 206.200†	43.5	0.00177	mg/L	0.000197	0.00177	mg/L	0.000197	11.15%
Cd 226.502†	-7.0	-0.00016	mg/L	0.000041	-0.00016	mg/L	0.000041	26.14%
Ti 334.940†	41.4	0.00007	mg/L	0.000070	0.00007	mg/L	0.000070	95.60%
Ca 227.546†	13.5	0.08116	mg/L	0.015781	0.08116	mg/L	0.015781	19.45%
Na 589.592	344.3	0.05035	mg/L	0.008008	0.05035	mg/L	0.008008	15.90%
K 766.490	189.2	0.09189	mg/L	0.053407	0.09189	mg/L	0.053407	58.12%

Sequence No.: 112 **Autosampler Location: 54**
Sample ID: N1179-05A~96201 F **Date Collected: 7/15/2014 5:59:22 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:47 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-05A~96201 F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1899986.9	98.345	%	1.6946				1.72%
Lu 261.542	1210879.8	98.55	%	1.725				1.75%
Ag 328.068†	-128.4	-0.00079	mg/L	0.000334	-0.00079	mg/L	0.000334	42.25%
Al 308.215†	235.0	0.01034	mg/L	0.010314	0.01034	mg/L	0.010314	99.76%
As 188.979†	5.9	0.00631	mg/L	0.002285	0.00631	mg/L	0.002285	36.19%
Ba 233.527†	251.0	0.00315	mg/L	0.000175	0.00315	mg/L	0.000175	5.56%
Be 313.107†	57.4	0.00003	mg/L	0.000014	0.00003	mg/L	0.000014	56.81%
Co 228.616†	7.7	0.00024	mg/L	0.000145	0.00024	mg/L	0.000145	60.76%
Cr 267.716†	20.3	0.00028	mg/L	0.000176	0.00028	mg/L	0.000176	62.92%
Cu 324.752†	197.0	0.00094	mg/L	0.000560	0.00094	mg/L	0.000560	59.76%
Fe 273.955†	6688.2	0.29832	mg/L	0.005865	0.29832	mg/L	0.005865	1.97%
Mg 279.077†	17114.2	1.0933	mg/L	0.01418	1.0933	mg/L	0.01418	1.30%
Mn 257.610†	39006.1	0.07265	mg/L	0.001147	0.07265	mg/L	0.001147	1.58%
Ni 231.604†	4.9	0.00020	mg/L	0.000071	0.00020	mg/L	0.000071	36.34%
Pb 220.353†	6.0	0.00135	mg/L	0.000503	0.00135	mg/L	0.000503	37.40%
Sb 206.836†	2.3	0.00161	mg/L	0.001417	0.00161	mg/L	0.001417	88.08%
Se 196.026†	-0.3	-0.00058	mg/L	0.002448	-0.00058	mg/L	0.002448	421.06%
Tl 190.801	1.0	0.00111	mg/L	0.002691	0.00111	mg/L	0.002691	243.24%
V 292.402†	10.3	0.00011	mg/L	0.000666	0.00011	mg/L	0.000666	624.50%
Zn 206.200†	78.4	0.00319	mg/L	0.000503	0.00319	mg/L	0.000503	15.79%
Cd 226.502†	-8.2	-0.00020	mg/L	0.000119	-0.00020	mg/L	0.000119	60.24%
Ti 334.940†	-33.3	-0.00005	mg/L	0.000084	-0.00005	mg/L	0.000084	182.99%
Ca 227.546†	662.2	3.9648	mg/L	0.07488	3.9648	mg/L	0.07488	1.89%
Na 589.592	33875.9	4.9549	mg/L	0.03790	4.9549	mg/L	0.03790	0.76%
K 766.490	1141.7	0.55437	mg/L	0.111505	0.55437	mg/L	0.111505	20.11%

Sequence No.: 113 **Autosampler Location: 55**
Sample ID: N1179-06A~96202 F **Date Collected: 7/15/2014 6:03:01 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:48 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-06A~96202 F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1890994.9	97.879	%	0.6057				0.62%
Lu 261.542	1204374.1	98.02	%	0.595				0.61%
Ag 328.068†	-54.6	-0.00032	mg/L	0.000096	-0.00032	mg/L	0.000096	29.72%
Al 308.215†	294.3	0.01310	mg/L	0.002070	0.01310	mg/L	0.002070	15.80%
As 188.979†	3.6	0.00393	mg/L	0.003989	0.00393	mg/L	0.003989	101.45%
Ba 233.527†	3488.1	0.04374	mg/L	0.000188	0.04374	mg/L	0.000188	0.43%
Be 313.107†	69.5	0.00003	mg/L	0.000030	0.00003	mg/L	0.000030	96.18%
Co 228.616†	-2.0	-0.00006	mg/L	0.000348	-0.00006	mg/L	0.000348	558.17%
Cr 267.716†	21.1	0.00031	mg/L	0.000071	0.00031	mg/L	0.000071	22.93%
Cu 324.752†	431.1	0.00206	mg/L	0.000284	0.00206	mg/L	0.000284	13.78%
Fe 273.955†	16812.8	0.74997	mg/L	0.005442	0.74997	mg/L	0.005442	0.73%
Mg 279.077†	21067.4	1.3460	mg/L	0.01426	1.3460	mg/L	0.01426	1.06%
Mn 257.610†	12247.0	0.02280	mg/L	0.000126	0.02280	mg/L	0.000126	0.55%
Ni 231.604†	1.9	0.00007	mg/L	0.000186	0.00007	mg/L	0.000186	265.90%
Pb 220.353†	0.9	0.00020	mg/L	0.001129	0.00020	mg/L	0.001129	565.89%
Sb 206.836†	0.4	0.00029	mg/L	0.001181	0.00029	mg/L	0.001181	401.55%
Se 196.026†	-0.2	-0.00015	mg/L	0.000673	-0.00015	mg/L	0.000673	448.47%
Tl 190.801	0.3	0.00054	mg/L	0.002236	0.00054	mg/L	0.002236	416.27%
V 292.402†	-25.0	-0.00017	mg/L	0.000142	-0.00017	mg/L	0.000142	82.71%
Zn 206.200†	77.0	0.00312	mg/L	0.000114	0.00312	mg/L	0.000114	3.65%

Cd 226.502†	-4.2	-0.00013	mg/L	0.000084	-0.00013	mg/L	0.000084 66.73%
Ti 334.940†	43.1	0.00008	mg/L	0.000098	0.00008	mg/L	0.000098 119.76%
Ca 227.546†	720.1	4.3166	mg/L	0.04070	4.3166	mg/L	0.04070 0.94%
Na 589.592	33061.3	4.8358	mg/L	0.01504	4.8358	mg/L	0.01504 0.31%
K 766.490	1699.2	0.82505	mg/L	0.054949	0.82505	mg/L	0.054949 6.66%

Sequence No.: 114 **Autosampler Location: 56**
Sample ID: N1179-06ADUP~96202 FD **Date Collected: 7/15/2014 6:06:40 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:48 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-06ADUP~96202 FD

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1886064.7	97.624	%	1.6480				1.69%
Lu 261.542	1201742.4	97.81	%	1.665				1.70%
Ag 328.068†	-73.9	-0.00044	mg/L	0.000449	-0.00044	mg/L	0.000449	100.90%
Al 308.215†	365.3	0.01650	mg/L	0.009273	0.01650	mg/L	0.009273	56.19%
As 188.979†	5.2	0.00572	mg/L	0.001621	0.00572	mg/L	0.001621	28.36%
Ba 233.527†	3553.7	0.04456	mg/L	0.000770	0.04456	mg/L	0.000770	1.73%
Be 313.107†	48.7	0.00002	mg/L	0.000010	0.00002	mg/L	0.000010	46.89%
Co 228.616†	-11.4	-0.00035	mg/L	0.000168	-0.00035	mg/L	0.000168	47.50%
Cr 267.716†	43.2	0.00064	mg/L	0.000141	0.00064	mg/L	0.000141	22.00%
Cu 324.752†	483.0	0.00230	mg/L	0.000167	0.00230	mg/L	0.000167	7.28%
Fe 273.955†	17138.1	0.76448	mg/L	0.016443	0.76448	mg/L	0.016443	2.15%
Mg 279.077†	21548.1	1.3767	mg/L	0.02849	1.3767	mg/L	0.02849	2.07%
Mn 257.610†	12547.9	0.02336	mg/L	0.000390	0.02336	mg/L	0.000390	1.67%
Ni 231.604†	5.5	0.00022	mg/L	0.000354	0.00022	mg/L	0.000354	160.61%
Pb 220.353†	6.7	0.00148	mg/L	0.000273	0.00148	mg/L	0.000273	18.43%
Sb 206.836†	5.1	0.00360	mg/L	0.003480	0.00360	mg/L	0.003480	96.57%
Se 196.026†	0.3	0.00071	mg/L	0.011176	0.00071	mg/L	0.011176	>999.9%
Tl 190.801	0.8	0.00102	mg/L	0.002656	0.00102	mg/L	0.002656	259.34%
V 292.402†	-22.1	-0.00015	mg/L	0.000673	-0.00015	mg/L	0.000673	463.91%
Zn 206.200†	84.6	0.00342	mg/L	0.000105	0.00342	mg/L	0.000105	3.06%
Cd 226.502†	-4.2	-0.00013	mg/L	0.000138	-0.00013	mg/L	0.000138	108.52%
Ti 334.940†	109.0	0.00020	mg/L	0.000054	0.00020	mg/L	0.000054	27.59%
Ca 227.546†	724.5	4.3428	mg/L	0.06115	4.3428	mg/L	0.06115	1.41%
Na 589.592	33650.6	4.9220	mg/L	0.04028	4.9220	mg/L	0.04028	0.82%
K 766.490	1701.2	0.82604	mg/L	0.016103	0.82604	mg/L	0.016103	1.95%

Sequence No.: 115 **Autosampler Location: 57**
Sample ID: N1179-06AMS~96202 FS **Date Collected: 7/15/2014 6:10:19 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:49 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-06AMS~96202 FS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1835004.6	94.981	%	0.4470				0.47%
Lu 261.542	1171785.4	95.37	%	0.508				0.53%
Ag 328.068†	184643.7	1.1483	mg/L	0.00633	1.1483	mg/L	0.00633	0.55%
Al 308.215†	190423.3	9.1270	mg/L	0.05194	9.1270	mg/L	0.05194	0.57%
As 188.979†	442.2	0.47600	mg/L	0.004546	0.47600	mg/L	0.004546	0.96%
Ba 233.527†	765407.4	9.6012	mg/L	0.02040	9.6012	mg/L	0.02040	0.21%
Be 313.107†	525100.7	0.23213	mg/L	0.000440	0.23213	mg/L	0.000440	0.19%
Co 228.616†	74183.1	2.3039	mg/L	0.01529	2.3039	mg/L	0.01529	0.66%
Cr 267.716†	61884.8	0.93085	mg/L	0.006248	0.93085	mg/L	0.006248	0.67%
Cu 324.752†	247604.3	1.1524	mg/L	0.00689	1.1524	mg/L	0.00689	0.60%
Fe 273.955†	122325.2	5.5389	mg/L	0.03801	5.5389	mg/L	0.03801	0.69%
Mg 279.077†	387400.2	24.746	mg/L	0.0576	24.746	mg/L	0.0576	0.23%
Mn 257.610†	1271144.1	2.3667	mg/L	0.00460	2.3667	mg/L	0.00460	0.19%
Ni 231.604†	54848.4	2.3032	mg/L	0.01552	2.3032	mg/L	0.01552	0.67%
Pb 220.353†	2130.8	0.46718	mg/L	0.003084	0.46718	mg/L	0.003084	0.66%

Sb 206.836†	682.4	0.46419	mg/L	0.006103	0.46419	mg/L	0.006103	1.31%
Se 196.026†	273.2	0.45581	mg/L	0.005894	0.45581	mg/L	0.005894	1.29%
Tl 190.801	458.8	0.44133	mg/L	0.002621	0.44133	mg/L	0.002621	0.59%
V 292.402†	266921.9	2.3049	mg/L	0.01648	2.3049	mg/L	0.01648	0.72%
Zn 206.200†	56333.6	2.2967	mg/L	0.01568	2.2967	mg/L	0.01568	0.68%
Cd 226.502†	10441.8	0.23612	mg/L	0.002123	0.23612	mg/L	0.002123	0.90%
Ti 334.940†	591.2	0.00020	mg/L	0.000052	0.00020	mg/L	0.000052	26.24%
Ca 227.546†	4555.9	26.760	mg/L	0.1581	26.760	mg/L	0.1581	0.59%
Na 589.592	199847.7	29.226	mg/L	0.0865	29.226	mg/L	0.0865	0.30%
K 766.490	51189.7	24.855	mg/L	0.1473	24.855	mg/L	0.1473	0.59%

Sequence No.: 116 **Autosampler Location: 58**
Sample ID: N1179-06ASD~96202 F **Date Collected: 7/15/2014 6:14:00 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:50 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-06ASD~96202 F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1888836.0	97.768	%	0.7562				0.77%
Lu 261.542	1200396.9	97.70	%	0.888				0.91%
Ag 328.068†	-146.3	-0.00091	mg/L	0.000446	-0.00091	mg/L	0.000446	49.28%
Al 308.215†	198.8	0.00935	mg/L	0.000624	0.00935	mg/L	0.000624	6.67%
As 188.979†	5.0	0.00531	mg/L	0.002314	0.00531	mg/L	0.002314	43.61%
Ba 233.527†	750.7	0.00941	mg/L	0.000061	0.00941	mg/L	0.000061	0.64%
Be 313.107†	57.5	0.00003	mg/L	0.000014	0.00003	mg/L	0.000014	56.82%
Co 228.616†	-0.2	-0.00001	mg/L	0.000145	-0.00001	mg/L	0.000145	>999.9%
Cr 267.716†	16.5	0.00025	mg/L	0.000103	0.00025	mg/L	0.000103	41.76%
Cu 324.752†	157.5	0.00074	mg/L	0.000734	0.00074	mg/L	0.000734	98.83%
Fe 273.955†	3407.8	0.15201	mg/L	0.002671	0.15201	mg/L	0.002671	1.76%
Mg 279.077†	4320.0	0.27600	mg/L	0.007876	0.27600	mg/L	0.007876	2.85%
Mn 257.610†	2481.1	0.00462	mg/L	0.000083	0.00462	mg/L	0.000083	1.80%
Ni 231.604†	4.6	0.00019	mg/L	0.000377	0.00019	mg/L	0.000377	197.92%
Pb 220.353†	0.7	0.00015	mg/L	0.000674	0.00015	mg/L	0.000674	453.56%
Sb 206.836†	4.2	0.00289	mg/L	0.001987	0.00289	mg/L	0.001987	68.85%
Se 196.026†	-3.5	-0.00574	mg/L	0.003181	-0.00574	mg/L	0.003181	55.38%
Tl 190.801	0.5	0.00058	mg/L	0.001511	0.00058	mg/L	0.001511	258.40%
V 292.402†	-2.8	-0.00001	mg/L	0.000568	-0.00001	mg/L	0.000568	>999.9%
Zn 206.200†	0.9	0.00003	mg/L	0.000162	0.00003	mg/L	0.000162	475.63%
Cd 226.502†	-5.1	-0.00012	mg/L	0.000149	-0.00012	mg/L	0.000149	122.65%
Ti 334.940†	1.3	0.00000	mg/L	0.000050	0.00000	mg/L	0.000050	>999.9%
Ca 227.546†	140.8	0.84421	mg/L	0.040735	0.84421	mg/L	0.040735	4.83%
Na 589.592	6912.9	1.0111	mg/L	0.00915	1.0111	mg/L	0.00915	0.90%
K 766.490	528.1	0.25640	mg/L	0.021460	0.25640	mg/L	0.021460	8.37%

Sequence No.: 117 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 6:17:39 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:50 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1824794.7	94.453	%	0.3386				0.36%
Lu 261.542	1165038.8	94.82	%	0.316				0.33%
Ag 328.068†	202260.7	1.2579	mg/L	0.00334	1.2579	mg/L	0.00334	0.27%
QC value within limits for Ag 328.068 Recovery = 100.63%								
Al 308.215†	214476.4	10.282	mg/L	0.0288	10.282	mg/L	0.0288	0.28%
QC value within limits for Al 308.215 Recovery = 102.82%								
As 188.979†	474.1	0.51016	mg/L	0.002894	0.51016	mg/L	0.002894	0.57%
QC value within limits for As 188.979 Recovery = 102.03%								
Ba 233.527†	826061.5	10.362	mg/L	0.0282	10.362	mg/L	0.0282	0.27%
QC value within limits for Ba 233.527 Recovery = 103.62%								

Be 313.107†	569074.4	0.25245 mg/L	0.000366	0.25245 mg/L	0.000366	0.15%
QC value within limits for Be 313.107 Recovery = 100.98%						
Co 228.616†	79854.5	2.4790 mg/L	0.00551	2.4790 mg/L	0.00551	0.22%
QC value within limits for Co 228.616 Recovery = 99.16%						
Cr 267.716†	66418.8	0.99908 mg/L	0.003051	0.99908 mg/L	0.003051	0.31%
QC value within limits for Cr 267.716 Recovery = 99.91%						
Cu 324.752†	271291.3	1.2626 mg/L	0.00532	1.2626 mg/L	0.00532	0.42%
QC value within limits for Cu 324.752 Recovery = 101.01%						
Fe 273.955†	113986.4	5.1754 mg/L	0.01939	5.1754 mg/L	0.01939	0.37%
QC value within limits for Fe 273.955 Recovery = 103.51%						
Mg 279.077†	404776.9	25.856 mg/L	0.0898	25.856 mg/L	0.0898	0.35%
QC value within limits for Mg 279.077 Recovery = 103.42%						
Mn 257.610†	1371367.6	2.5533 mg/L	0.00647	2.5533 mg/L	0.00647	0.25%
QC value within limits for Mn 257.610 Recovery = 102.13%						
Ni 231.604†	61203.0	2.5698 mg/L	0.00691	2.5698 mg/L	0.00691	0.27%
QC value within limits for Ni 231.604 Recovery = 102.79%						
Pb 220.353†	2285.8	0.50149 mg/L	0.002814	0.50149 mg/L	0.002814	0.56%
QC value within limits for Pb 220.353 Recovery = 100.30%						
Sb 206.836†	660.7	0.44892 mg/L	0.004236	0.44892 mg/L	0.004236	0.94%
QC value within limits for Sb 206.836 Recovery = 89.78%						
Se 196.026†	297.6	0.49618 mg/L	0.002177	0.49618 mg/L	0.002177	0.44%
QC value within limits for Se 196.026 Recovery = 99.24%						
Tl 190.801	491.5	0.47141 mg/L	0.003079	0.47141 mg/L	0.003079	0.65%
QC value within limits for Tl 190.801 Recovery = 94.28%						
V 292.402†	294949.0	2.5463 mg/L	0.00524	2.5463 mg/L	0.00524	0.21%
QC value within limits for V 292.402 Recovery = 101.85%						
Zn 206.200†	62937.6	2.5658 mg/L	0.00969	2.5658 mg/L	0.00969	0.38%
QC value within limits for Zn 206.200 Recovery = 102.63%						
Cd 226.502†	11095.5	0.25097 mg/L	0.000978	0.25097 mg/L	0.000978	0.39%
QC value within limits for Cd 226.502 Recovery = 100.39%						
Ti 334.940†	288896.5	0.50089 mg/L	0.001830	0.50089 mg/L	0.001830	0.37%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ca 227.546†	4114.9	24.067 mg/L	0.0955	24.067 mg/L	0.0955	0.40%
QC value within limits for Ca 227.546 Recovery = 96.27%						
Na 589.592	183503.4	26.835 mg/L	0.2780	26.835 mg/L	0.2780	1.04%
QC value within limits for Na 589.592 Recovery = 107.34%						
K 766.490	54253.5	26.343 mg/L	0.2773	26.343 mg/L	0.2773	1.05%
QC value within limits for K 766.490 Recovery = 105.37%						

All analyte(s) passed QC.

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Sequence No.: 118 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 6:21:21 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:51 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1891062.8	97.883	%	1.1047				1.13%
Lu 261.542	1198580.3	97.55	%	1.064				1.09%
Ag 328.068†	-49.0	-0.00030	mg/L	0.000332	-0.00030	mg/L	0.000332	109.26%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	384.2	0.01847	mg/L	0.007898	0.01847	mg/L	0.007898	42.77%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	4.0	0.00419	mg/L	0.001859	0.00419	mg/L	0.001859	44.42%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	69.4	0.00087	mg/L	0.000227	0.00087	mg/L	0.000227	26.10%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	91.7	0.00004	mg/L	0.000016	0.00004	mg/L	0.000016	38.60%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	3.4	0.00010	mg/L	0.000113	0.00010	mg/L	0.000113	109.02%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	13.4	0.00020	mg/L	0.000045	0.00020	mg/L	0.000045	22.33%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	83.6	0.00039	mg/L	0.000091	0.00039	mg/L	0.000091	23.41%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	57.8	0.00258	mg/L	0.000610	0.00258	mg/L	0.000610	23.62%

QC value within limits for Fe 273.955 Recovery = Not calculated

Mg 279.077†	108.9	0.00696	mg/L	0.001828	0.00696	mg/L	0.001828 26.28%

QC value within limits for Mg 279.077 Recovery = Not calculated

Mn 257.610†	35.2	0.00007	mg/L	0.000044	0.00007	mg/L	0.000044 66.57%

QC value within limits for Mn 257.610 Recovery = Not calculated

Ni 231.604†	12.5	0.00052	mg/L	0.000303	0.00052	mg/L	0.000303 57.90%

QC value within limits for Ni 231.604 Recovery = Not calculated

Pb 220.353†	0.5	0.00011	mg/L	0.000820	0.00011	mg/L	0.000820 778.12%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	4.6	0.00316	mg/L	0.001836	0.00316	mg/L	0.001836 58.18%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	-6.7	-0.01112	mg/L	0.004157	-0.01112	mg/L	0.004157 37.40%

QC value within limits for Se 196.026 Recovery = Not calculated

Tl 190.801	2.8	0.00291	mg/L	0.001530	0.00291	mg/L	0.001530 52.61%

QC value within limits for Tl 190.801 Recovery = Not calculated

V 292.402†	25.1	0.00022	mg/L	0.000457	0.00022	mg/L	0.000457 210.05%

QC value within limits for V 292.402 Recovery = Not calculated

Zn 206.200†	10.4	0.00042	mg/L	0.000453	0.00042	mg/L	0.000453 106.99%

QC value within limits for Zn 206.200 Recovery = Not calculated

Cd 226.502†	-5.2	-0.00012	mg/L	0.000080	-0.00012	mg/L	0.000080 69.29%

QC value within limits for Cd 226.502 Recovery = Not calculated

Ti 334.940†	29.7	0.00005	mg/L	0.000108	0.00005	mg/L	0.000108 209.46%

QC value within limits for Ti 334.940 Recovery = Not calculated

Ca 227.546†	3.2	0.01931	mg/L	0.131009	0.01931	mg/L	0.131009 678.52%

QC value within limits for Ca 227.546 Recovery = Not calculated

Na 589.592	218.4	0.03193	mg/L	0.007278	0.03193	mg/L	0.007278 22.80%

QC value within limits for Na 589.592 Recovery = Not calculated

K 766.490	178.2	0.08654	mg/L	0.051613	0.08654	mg/L	0.051613 59.64%

QC value within limits for K 766.490 Recovery = Not calculated

All analyte(s) passed QC.

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Sequence No.: 119 **Autosampler Location: 59**
Sample ID: N1179-06APDS~96202 F **Date Collected: 7/15/2014 6:25:00 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:52 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-06APDS~96202 F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1815016.8	93.947	%	0.9057				0.96%
Lu 261.542	1158463.5	94.28	%	0.937				0.99%
Ag 328.068†	186273.2	1.1584	mg/L	0.00279	1.1584	mg/L	0.00279	0.24%
Al 308.215†	192454.9	9.2243	mg/L	0.01754	9.2243	mg/L	0.01754	0.19%
As 188.979†	439.0	0.47263	mg/L	0.006918	0.47263	mg/L	0.006918	1.46%
Ba 233.527†	775126.3	9.7231	mg/L	0.00617	9.7231	mg/L	0.00617	0.06%
Be 313.107†	530656.1	0.23459	mg/L	0.000409	0.23459	mg/L	0.000409	0.17%
Co 228.616†	75192.5	2.3353	mg/L	0.06320	2.3353	mg/L	0.06320	2.71%
Cr 267.716†	62579.6	0.94131	mg/L	0.026119	0.94131	mg/L	0.026119	2.77%
Cu 324.752†	255770.9	1.1904	mg/L	0.00319	1.1904	mg/L	0.00319	0.27%
Fe 273.955†	122773.7	5.5602	mg/L	0.15219	5.5602	mg/L	0.15219	2.74%
Mg 279.077†	391232.4	24.991	mg/L	0.0189	24.991	mg/L	0.0189	0.08%
Mn 257.610†	1283606.1	2.3899	mg/L	0.00195	2.3899	mg/L	0.00195	0.08%
Ni 231.604†	55736.1	2.3405	mg/L	0.06810	2.3405	mg/L	0.06810	2.91%
Pb 220.353†	2126.8	0.46628	mg/L	0.005137	0.46628	mg/L	0.005137	1.10%
Sb 206.836†	651.7	0.44281	mg/L	0.006036	0.44281	mg/L	0.006036	1.36%
Se 196.026†	275.7	0.45997	mg/L	0.009176	0.45997	mg/L	0.009176	1.99%
Tl 190.801	460.3	0.44240	mg/L	0.004436	0.44240	mg/L	0.004436	1.00%
V 292.402†	271102.3	2.3410	mg/L	0.00344	2.3410	mg/L	0.00344	0.15%
Zn 206.200†	57043.6	2.3256	mg/L	0.06761	2.3256	mg/L	0.06761	2.91%
Cd 226.502†	10437.8	0.23604	mg/L	0.006996	0.23604	mg/L	0.006996	2.96%
Ti 334.940†	552.0	0.00012	mg/L	0.000063	0.00012	mg/L	0.000063	54.04%
Ca 227.546†	4565.6	26.810	mg/L	0.2108	26.810	mg/L	0.2108	0.79%
Na 589.592	198759.9	29.067	mg/L	0.1449	29.067	mg/L	0.1449	0.50%
K 766.490	51191.7	24.856	mg/L	0.0751	24.856	mg/L	0.0751	0.30%

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Sequence No.: 120 **Autosampler Location: 60**

Sample ID: N1179-07A~98434 F **Date Collected: 7/15/2014 6:28:42 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:53 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-07A~98434 F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1887262.1	97.686	%	0.7582				0.78%
Lu 261.542	1205239.3	98.09	%	0.745				0.76%
Ag 328.068†	-38.0	-0.00024	mg/L	0.000392	-0.00024	mg/L	0.000392	166.61%
Al 308.215†	463.1	0.01898	mg/L	0.003614	0.01898	mg/L	0.003614	19.04%
As 188.979†	1.5	0.00164	mg/L	0.001789	0.00164	mg/L	0.001789	109.32%
Ba 233.527†	2514.1	0.03153	mg/L	0.000335	0.03153	mg/L	0.000335	1.06%
Be 313.107†	93.0	0.00004	mg/L	0.000017	0.00004	mg/L	0.000017	42.28%
Co 228.616†	8.7	0.00027	mg/L	0.000110	0.00027	mg/L	0.000110	40.49%
Cr 267.716†	67.1	0.00053	mg/L	0.000104	0.00053	mg/L	0.000104	19.66%
Cu 324.752†	1834.0	0.00853	mg/L	0.000247	0.00853	mg/L	0.000247	2.90%
Fe 273.955†	217.7	0.00938	mg/L	0.000593	0.00938	mg/L	0.000593	6.33%
Mg 279.077†	111625.9	7.1297	mg/L	0.02295	7.1297	mg/L	0.02295	0.32%
Mn 257.610†	710253.2	1.3227	mg/L	0.00157	1.3227	mg/L	0.00157	0.12%
Ni 231.604†	31.5	0.00127	mg/L	0.000350	0.00127	mg/L	0.000350	27.46%
Pb 220.353†	0.9	0.00032	mg/L	0.000668	0.00032	mg/L	0.000668	210.12%
Sb 206.836†	8.6	0.00620	mg/L	0.001993	0.00620	mg/L	0.001993	32.15%
Se 196.026†	-0.3	-0.00164	mg/L	0.006941	-0.00164	mg/L	0.006941	422.10%
Tl 190.801	-0.1	-0.00093	mg/L	0.005799	-0.00093	mg/L	0.005799	625.16%
V 292.402†	5.0	0.00005	mg/L	0.000311	0.00005	mg/L	0.000311	681.83%
Zn 206.200†	199.6	0.00813	mg/L	0.000316	0.00813	mg/L	0.000316	3.89%
Cd 226.502†	-4.5	-0.00010	mg/L	0.000066	-0.00010	mg/L	0.000066	64.29%
Ti 334.940†	-43.7	-0.00019	mg/L	0.000019	-0.00019	mg/L	0.000019	10.38%
Ca 227.546†	2089.7	12.502	mg/L	0.0983	12.502	mg/L	0.0983	0.79%
Na 589.592	200626.1	29.345	mg/L	0.5326	29.345	mg/L	0.5326	1.81%
K 766.490	6664.3	3.2359	mg/L	0.06607	3.2359	mg/L	0.06607	2.04%

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Sequence No.: 121 **Autosampler Location: 61**
Sample ID: N1179-08A~BLIND DUPLICAT **Date Collected: 7/15/2014 6:32:22 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:53 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-08A~BLIND DUPLICAT

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1845084.3	95.503	%	1.3920				1.46%
Lu 261.542	1177384.1	95.82	%	1.378				1.44%
Ag 328.068†	-94.6	-0.00059	mg/L	0.000622	-0.00059	mg/L	0.000622	106.07%
Al 308.215†	516.0	0.02161	mg/L	0.004947	0.02161	mg/L	0.004947	22.90%
As 188.979†	3.9	0.00415	mg/L	0.003432	0.00415	mg/L	0.003432	82.66%
Ba 233.527†	2244.9	0.02815	mg/L	0.000358	0.02815	mg/L	0.000358	1.27%
Be 313.107†	78.0	0.00003	mg/L	0.000019	0.00003	mg/L	0.000019	56.68%
Co 228.616†	-2.2	-0.00007	mg/L	0.000113	-0.00007	mg/L	0.000113	166.51%
Cr 267.716†	74.2	0.00066	mg/L	0.000151	0.00066	mg/L	0.000151	22.72%
Cu 324.752†	346.1	0.00161	mg/L	0.000256	0.00161	mg/L	0.000256	15.89%
Fe 273.955†	288.3	0.01254	mg/L	0.000191	0.01254	mg/L	0.000191	1.52%
Mg 279.077†	108252.0	6.9142	mg/L	0.08841	6.9142	mg/L	0.08841	1.28%
Mn 257.610†	666290.5	1.2408	mg/L	0.00048	1.2408	mg/L	0.00048	0.04%
Ni 231.604†	29.1	0.00117	mg/L	0.000121	0.00117	mg/L	0.000121	10.28%
Pb 220.353†	6.6	0.00157	mg/L	0.000390	0.00157	mg/L	0.000390	24.74%
Sb 206.836†	3.8	0.00289	mg/L	0.002495	0.00289	mg/L	0.002495	86.38%
Se 196.026†	-3.4	-0.00663	mg/L	0.008172	-0.00663	mg/L	0.008172	123.22%
Tl 190.801	-0.6	-0.00137	mg/L	0.002915	-0.00137	mg/L	0.002915	213.14%
V 292.402†	10.5	0.00009	mg/L	0.000276	0.00009	mg/L	0.000276	293.75%
Zn 206.200†	153.8	0.00627	mg/L	0.000394	0.00627	mg/L	0.000394	6.29%
Cd 226.502†	-9.6	-0.00022	mg/L	0.000148	-0.00022	mg/L	0.000148	68.49%
Ti 334.940†	-106.1	-0.00029	mg/L	0.000066	-0.00029	mg/L	0.000066	22.69%
Ca 227.546†	2038.6	12.196	mg/L	0.1110	12.196	mg/L	0.1110	0.91%

Na 589.592	192564.7	28.166	mg/L	0.3413	28.166	mg/L	0.3413	1.21%
K 766.490	6314.3	3.0659	mg/L	0.10808	3.0659	mg/L	0.10808	3.53%

Sequence No.: 122 **Autosampler Location: 62**
Sample ID: N1179-09A~MW-101S F **Date Collected: 7/15/2014 6:36:03 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:54 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-09A~MW-101S F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1877472.2	97.179	%	1.3054				1.34%
Lu 261.542	1199476.2	97.62	%	1.331				1.36%
Ag 328.068†	-122.4	-0.00076	mg/L	0.000166	-0.00076	mg/L	0.000166	21.85%
Al 308.215†	577.5	0.02594	mg/L	0.001927	0.02594	mg/L	0.001927	7.43%
As 188.979†	5.8	0.00624	mg/L	0.001701	0.00624	mg/L	0.001701	27.27%
Ba 233.527†	1812.3	0.02273	mg/L	0.000322	0.02273	mg/L	0.000322	1.42%
Be 313.107†	41.6	0.00002	mg/L	0.000011	0.00002	mg/L	0.000011	62.38%
Co 228.616†	14.3	0.00044	mg/L	0.000076	0.00044	mg/L	0.000076	17.14%
Cr 267.716†	28.9	0.00026	mg/L	0.000161	0.00026	mg/L	0.000161	61.65%
Cu 324.752†	437.1	0.00203	mg/L	0.000129	0.00203	mg/L	0.000129	6.33%
Fe 273.955†	252.0	0.01111	mg/L	0.000374	0.01111	mg/L	0.000374	3.36%
Mg 279.077†	38475.8	2.4575	mg/L	0.01742	2.4575	mg/L	0.01742	0.71%
Mn 257.610†	253636.1	0.47237	mg/L	0.001208	0.47237	mg/L	0.001208	0.26%
Ni 231.604†	13.2	0.00054	mg/L	0.000282	0.00054	mg/L	0.000282	52.50%
Pb 220.353†	5.2	0.00121	mg/L	0.001458	0.00121	mg/L	0.001458	120.04%
Sb 206.836†	5.6	0.00400	mg/L	0.001474	0.00400	mg/L	0.001474	36.83%
Se 196.026†	-1.7	-0.00330	mg/L	0.003725	-0.00330	mg/L	0.003725	112.91%
Tl 190.801	-0.5	-0.00066	mg/L	0.000901	-0.00066	mg/L	0.000901	135.93%
V 292.402†	-30.5	-0.00026	mg/L	0.000136	-0.00026	mg/L	0.000136	52.14%
Zn 206.200†	82.9	0.00338	mg/L	0.000049	0.00338	mg/L	0.000049	1.46%
Cd 226.502†	-5.6	-0.00013	mg/L	0.000134	-0.00013	mg/L	0.000134	105.07%
Ti 334.940†	4.7	0.00001	mg/L	0.000058	0.00001	mg/L	0.000058	398.21%
Ca 227.546†	1246.4	7.4570	mg/L	0.10632	7.4570	mg/L	0.10632	1.43%
Na 589.592	314687.2	46.029	mg/L	0.2944	46.029	mg/L	0.2944	0.64%
K 766.490	2556.7	1.2414	mg/L	0.05480	1.2414	mg/L	0.05480	4.41%

Sequence No.: 123 **Autosampler Location: 63**
Sample ID: N1179-10A~MW-104D F **Date Collected: 7/15/2014 6:39:44 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:55 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1179-10A~MW-104D F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1862810.9	96.421	%	0.9271				0.96%
Lu 261.542	1186841.7	96.59	%	0.994				1.03%
Ag 328.068†	-148.3	-0.00089	mg/L	0.000888	-0.00089	mg/L	0.000888	100.26%
Al 308.215†	375.0	0.01451	mg/L	0.005580	0.01451	mg/L	0.005580	38.46%
As 188.979†	1.8	0.00234	mg/L	0.003088	0.00234	mg/L	0.003088	131.89%
Ba 233.527†	2310.2	0.02897	mg/L	0.000126	0.02897	mg/L	0.000126	0.43%
Be 313.107†	24.8	0.00001	mg/L	0.000024	0.00001	mg/L	0.000024	192.16%
Co 228.616†	23.4	0.00073	mg/L	0.000171	0.00073	mg/L	0.000171	23.50%
Cr 267.716†	18.3	0.00023	mg/L	0.000068	0.00023	mg/L	0.000068	29.46%
Cu 324.752†	292.9	0.00149	mg/L	0.000027	0.00149	mg/L	0.000027	1.83%
Fe 273.955†	42064.2	1.8763	mg/L	0.02430	1.8763	mg/L	0.02430	1.29%
Mg 279.077†	76278.3	4.8729	mg/L	0.05918	4.8729	mg/L	0.05918	1.21%
Mn 257.610†	63665.1	0.11853	mg/L	0.001466	0.11853	mg/L	0.001466	1.24%
Ni 231.604†	19.4	0.00078	mg/L	0.000324	0.00078	mg/L	0.000324	41.67%
Pb 220.353†	10.1	0.00228	mg/L	0.000561	0.00228	mg/L	0.000561	24.65%
Sb 206.836†	0.5	0.00050	mg/L	0.001593	0.00050	mg/L	0.001593	320.14%
Se 196.026†	0.9	0.00175	mg/L	0.000914	0.00175	mg/L	0.000914	52.25%
Tl 190.801	2.3	0.00293	mg/L	0.001278	0.00293	mg/L	0.001278	43.60%

V 292.402†	-4.0	0.00007 mg/L	0.000625	0.00007 mg/L	0.000625	833.94%
Zn 206.200†	102.6	0.00413 mg/L	0.000111	0.00413 mg/L	0.000111	2.68%
Cd 226.502†	-2.6	-0.00014 mg/L	0.000114	-0.00014 mg/L	0.000114	80.92%
Ti 334.940†	544.0	0.00095 mg/L	0.000031	0.00095 mg/L	0.000031	3.28%
Ca 227.546†	2382.1	14.272 mg/L	0.0282	14.272 mg/L	0.0282	0.20%
Na 589.592	57224.3	8.3701 mg/L	0.22101	8.3701 mg/L	0.22101	2.64%
K 766.490	2803.6	1.3613 mg/L	0.10735	1.3613 mg/L	0.10735	7.89%

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Sequence No.: 124 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/15/2014 6:43:23 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:55 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1844310.4	95.463	%	0.2584				0.27%
Lu 261.542	1177513.7	95.83	%	0.266				0.28%
Ag 328.068†	201050.7	1.2503	mg/L	0.00016	1.2503	mg/L	0.00016	0.01%
QC value within limits for Ag 328.068 Recovery = 100.03%								
Al 308.215†	211479.0	10.138	mg/L	0.0142	10.138	mg/L	0.0142	0.14%
QC value within limits for Al 308.215 Recovery = 101.38%								
As 188.979†	463.5	0.49874	mg/L	0.001914	0.49874	mg/L	0.001914	0.38%
QC value within limits for As 188.979 Recovery = 99.75%								
Ba 233.527†	817625.8	10.256	mg/L	0.0155	10.256	mg/L	0.0155	0.15%
QC value within limits for Ba 233.527 Recovery = 102.56%								
Be 313.107†	563015.7	0.24977	mg/L	0.000056	0.24977	mg/L	0.000056	0.02%
QC value within limits for Be 313.107 Recovery = 99.91%								
Co 228.616†	78152.5	2.4262	mg/L	0.01723	2.4262	mg/L	0.01723	0.71%
QC value within limits for Co 228.616 Recovery = 97.05%								
Cr 267.716†	64973.7	0.97735	mg/L	0.007881	0.97735	mg/L	0.007881	0.81%
QC value within limits for Cr 267.716 Recovery = 97.73%								
Cu 324.752†	272487.8	1.2681	mg/L	0.00203	1.2681	mg/L	0.00203	0.16%
QC value within limits for Cu 324.752 Recovery = 101.45%								
Fe 273.955†	111049.5	5.0439	mg/L	0.03812	5.0439	mg/L	0.03812	0.76%
QC value within limits for Fe 273.955 Recovery = 100.88%								
Mg 279.077†	400468.1	25.581	mg/L	0.0490	25.581	mg/L	0.0490	0.19%
QC value within limits for Mg 279.077 Recovery = 102.32%								
Mn 257.610†	1355934.8	2.5246	mg/L	0.00198	2.5246	mg/L	0.00198	0.08%
QC value within limits for Mn 257.610 Recovery = 100.98%								
Ni 231.604†	59971.8	2.5181	mg/L	0.02305	2.5181	mg/L	0.02305	0.92%
QC value within limits for Ni 231.604 Recovery = 100.72%								
Pb 220.353†	2214.7	0.48588	mg/L	0.003112	0.48588	mg/L	0.003112	0.64%
QC value within limits for Pb 220.353 Recovery = 97.18%								
Sb 206.836†	644.2	0.43773	mg/L	0.004180	0.43773	mg/L	0.004180	0.95%
QC value less than the lower limit for Sb 206.836 Recovery = 87.55%								
Se 196.026†	290.1	0.48367	mg/L	0.007636	0.48367	mg/L	0.007636	1.58%
QC value within limits for Se 196.026 Recovery = 96.73%								
Tl 190.801	484.3	0.46455	mg/L	0.007840	0.46455	mg/L	0.007840	1.69%
QC value within limits for Tl 190.801 Recovery = 92.91%								
V 292.402†	293346.4	2.5325	mg/L	0.00035	2.5325	mg/L	0.00035	0.01%
QC value within limits for V 292.402 Recovery = 101.30%								
Zn 206.200†	61520.9	2.5081	mg/L	0.02047	2.5081	mg/L	0.02047	0.82%
QC value within limits for Zn 206.200 Recovery = 100.32%								
Cd 226.502†	10890.3	0.24633	mg/L	0.002280	0.24633	mg/L	0.002280	0.93%
QC value within limits for Cd 226.502 Recovery = 98.53%								
Ti 334.940†	286313.3	0.49641	mg/L	0.001647	0.49641	mg/L	0.001647	0.33%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4014.6	23.475	mg/L	0.1665	23.475	mg/L	0.1665	0.71%
QC value within limits for Ca 227.546 Recovery = 93.90%								
Na 589.592	180675.4	26.421	mg/L	0.4062	26.421	mg/L	0.4062	1.54%
QC value within limits for Na 589.592 Recovery = 105.69%								
K 766.490	53825.3	26.135	mg/L	0.4005	26.135	mg/L	0.4005	1.53%
QC value within limits for K 766.490 Recovery = 104.54%								

QC Failed. Continue with analysis.

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Sequence No.: 125 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/15/2014 6:47:05 PM**
Analyst: **Data Type: Reprocessed on 7/16/2014 7:20:56 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1898691.3	98.278	%	2.2208				2.26%
Lu 261.542	1203739.1	97.97	%	2.303				2.35%
Ag 328.068†	-99.9	-0.00062	mg/L	0.000581	-0.00062	mg/L	0.000581	93.72%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	291.7	0.01402	mg/L	0.011300	0.01402	mg/L	0.011300	80.57%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	4.4	0.00461	mg/L	0.003525	0.00461	mg/L	0.003525	76.49%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	44.1	0.00055	mg/L	0.000305	0.00055	mg/L	0.000305	55.20%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	127.1	0.00006	mg/L	0.000031	0.00006	mg/L	0.000031	55.35%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	-2.4	-0.00007	mg/L	0.000163	-0.00007	mg/L	0.000163	221.69%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	20.9	0.00031	mg/L	0.000104	0.00031	mg/L	0.000104	33.02%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	152.6	0.00071	mg/L	0.000284	0.00071	mg/L	0.000284	40.04%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	65.1	0.00291	mg/L	0.000367	0.00291	mg/L	0.000367	12.62%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	89.1	0.00569	mg/L	0.000836	0.00569	mg/L	0.000836	14.69%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	22.9	0.00004	mg/L	0.000014	0.00004	mg/L	0.000014	32.15%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	10.2	0.00043	mg/L	0.000200	0.00043	mg/L	0.000200	46.52%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-6.6	-0.00145	mg/L	0.001792	-0.00145	mg/L	0.001792	123.33%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	5.9	0.00409	mg/L	0.001695	0.00409	mg/L	0.001695	41.49%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-2.1	-0.00344	mg/L	0.005562	-0.00344	mg/L	0.005562	161.82%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	-3.1	-0.00323	mg/L	0.003788	-0.00323	mg/L	0.003788	117.40%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	11.2	0.00010	mg/L	0.000150	0.00010	mg/L	0.000150	154.50%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	0.2	0.00001	mg/L	0.000247	0.00001	mg/L	0.000247	>999.9%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	-5.3	-0.00012	mg/L	0.000085	-0.00012	mg/L	0.000085	71.48%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	77.0	0.00013	mg/L	0.000059	0.00013	mg/L	0.000059	44.30%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	0.1	0.00042	mg/L	0.023033	0.00042	mg/L	0.023033	>999.9%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	235.5	0.03444	mg/L	0.008675	0.03444	mg/L	0.008675	25.19%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	253.4	0.12306	mg/L	0.049363	0.12306	mg/L	0.049363	40.11%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Analysis Begun

Start Time: 7/16/2014 8:00:25 AM **Plasma On Time: 7/16/2014 7:25:40 AM**
Logged In Analyst: mitOptima3 **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 069N-na **Autosampler Model: AS-93plus**

Sample Information File: C:\pe\Administrator\Sample Information\0716A.sif
Batch ID: Null
Results Data Set: B14071601
Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 1**
Sample ID: S0 **Date Collected: 7/16/2014 8:00:25 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	1835970.0	29810.11	1.62%	100.00	%
Lu 261.542	1199672.7	19977.43	1.67%	100.0	%
Al 308.215†	6316.0	168.32	2.66%	[0.00]	mg/L
Co 228.616†	-46.6	4.52	9.69%	[0.00]	mg/L
Cr 267.716†	50.1	5.81	11.59%	[0.00]	mg/L
Cu 324.752†	2751.9	67.02	2.44%	[0.00]	mg/L
Fe 273.955†	-158.9	6.60	4.15%	[0.00]	mg/L
Mg 279.077†	-185.3	75.91	40.96%	[0.00]	mg/L
Mn 257.610†	51.6	10.22	19.81%	[0.00]	mg/L
Ni 231.604†	-9.9	6.89	69.93%	[0.00]	mg/L
Sb 206.836†	14.6	2.41	16.55%	[0.00]	mg/L
Tl 190.801	-9.3	2.85	30.71%	[0.00]	mg/L
V 292.402†	10.2	14.37	141.25%	[0.00]	mg/L
Ti 334.940†	47.0	62.53	132.97%	[0.00]	mg/L
Ca 227.546†	-4.0	10.82	269.25%	[0.00]	mg/L

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Sequence No.: 2 **Autosampler Location: 9**
Sample ID: S1 **Date Collected: 7/16/2014 8:03:53 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	1775227.6	2526.98	0.14%	96.692	%
Lu 261.542	1158009.2	3251.70	0.28%	96.53	%
Al 308.215†	404434.7	496.98	0.12%	[20]	mg/L
Co 228.616†	153449.3	318.54	0.21%	[5]	mg/L
Cr 267.716†	127781.6	77.30	0.06%	[2]	mg/L
Cu 324.752†	530440.4	1027.37	0.19%	[2.5]	mg/L
Fe 273.955†	215338.3	279.61	0.13%	[10]	mg/L
Mg 279.077†	763693.6	779.76	0.10%	[50]	mg/L
Mn 257.610†	2574207.6	4411.82	0.17%	[5]	mg/L
Ni 231.604†	113970.5	315.61	0.28%	[5]	mg/L
Sb 206.836†	1369.8	7.95	0.58%	[1]	mg/L
Tl 190.801	958.3	3.53	0.37%	[1]	mg/L
V 292.402†	565805.8	287.72	0.05%	[5]	mg/L
Ti 334.940†	572879.6	958.14	0.17%	[1]	mg/L
Ca 227.546†	8188.0	37.81	0.46%	[50]	mg/L

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Sequence No.: 3 **Autosampler Location: 10**
Sample ID: S2 **Date Collected: 7/16/2014 8:07:21 AM**
Analyst: **Data Type: Original**

Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	1843262.2	21846.89	1.19%	100.40	%
Lu 261.542	1202050.1	15911.50	1.32%	100.2	%
Al 308.215†	195330.5	2801.62	1.43%	[10]	mg/L
Co 228.616†	76350.2	1074.82	1.41%	[2.5]	mg/L
Cr 267.716†	62931.8	894.96	1.42%	[1]	mg/L
Cu 324.752†	254677.4	3595.26	1.41%	[1.25]	mg/L
Fe 273.955†	106720.1	1370.43	1.28%	[5]	mg/L
Mg 279.077†	386553.6	370.42	0.10%	[25]	mg/L
Mn 257.610†	1313410.3	2716.96	0.21%	[2.5]	mg/L
Ni 231.604†	56833.5	807.90	1.42%	[2.5]	mg/L
Sb 206.836†	686.4	4.52	0.66%	[0.5]	mg/L
Tl 190.801	498.8	3.54	0.71%	[0.5]	mg/L
V 292.402†	274120.0	3738.26	1.36%	[2.5]	mg/L
Ti 334.940†	287354.8	209.02	0.07%	[0.5]	mg/L
Ca 227.546†	3950.7	62.01	1.57%	[25]	mg/L

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Sequence No.: 4 **Autosampler Location: 11**
Sample ID: S3 **Date Collected: 7/16/2014 8:10:53 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	1869570.7	15625.59	0.84%	101.83	%
Lu 261.542	1213322.6	10834.40	0.89%	101.1	%
Al 308.215†	4024.4	95.55	2.37%	[0.2]	mg/L
Co 228.616†	1600.2	11.22	0.70%	[0.05]	mg/L
Cr 267.716†	1321.5	23.96	1.81%	[0.02]	mg/L
Cu 324.752†	5057.5	75.28	1.49%	[0.025]	mg/L
Fe 273.955†	2246.0	60.55	2.70%	[0.1]	mg/L
Mg 279.077†	7892.0	207.74	2.63%	[0.5]	mg/L
Mn 257.610†	27333.1	585.99	2.14%	[0.05]	mg/L
Ni 231.604†	1183.3	14.24	1.20%	[0.05]	mg/L
Sb 206.836†	19.7	3.10	15.77%	[0.01]	mg/L
Tl 190.801	3.2	2.25	70.55%	[0.01]	mg/L
V 292.402†	5546.7	106.08	1.91%	[0.05]	mg/L
Ti 334.940†	5649.3	85.36	1.51%	[0.01]	mg/L
Ca 227.546†	87.9	9.90	11.26%	[0.5]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin Thru 0	0.0	161100	0.00000	0.999999	
Al 308.215	3	Lin Thru 0	0.0	20080	0.00000	0.999906	
As 188.979	3	Lin Thru 0	0.0	945.7	0.00000	0.999953	
Ba 233.527	3	Lin Thru 0	0.0	79740	0.00000	0.999953	
Be 313.107	3	Lin Thru 0	0.0	2263000	0.00000	0.999999	
Co 228.616	3	Lin Thru 0	0.0	30660	0.00000	0.999998	
Cr 267.716	3	Lin Thru 0	0.0	63700	0.00000	0.999982	
Cu 324.752	3	Lin Thru 0	0.0	210500	0.00000	0.999872	
Fe 273.955	3	Lin Thru 0	0.0	21500	0.00000	0.999994	
Mg 279.077	3	Lin Thru 0	0.0	15310	0.00000	0.999988	
Mn 257.610	3	Lin Thru 0	0.0	516900	0.00000	0.999967	
Ni 231.604	3	Lin Thru 0	0.0	22780	0.00000	0.999999	
Pb 220.353	3	Lin Thru 0	0.0	4562	0.00000	0.999999	
Sb 206.836	3	Lin Thru 0	0.0	1370	0.00000	0.999992	
Se 196.026	3	Lin Thru 0	0.0	602.5	0.00000	0.999987	
Tl 190.801	3	Lin Thru 0	0.0	966.1	0.00000	0.999850	
V 292.402	3	Lin Thru 0	0.0	112500	0.00000	0.999922	

Zn 206.200	3	Lin Thru 0	0.0	24560	0.00000	0.999992
Cd 226.502	3	Lin Thru 0	0.0	44330	0.00000	1.000000
Ti 334.940	3	Lin Thru 0	0.0	573200	0.00000	0.999999
Ca 227.546	3	Lin Thru 0	0.0	162.6	0.00000	0.999900
Na 589.592	3	Lin Thru 0	0.0	6837	0.00000	0.999950
K 766.490	3	Lin Thru 0	0.0	2060	0.00000	0.999960

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Sequence No.: 5 **Autosampler Location: 3**
Sample ID: ICV **Date Collected: 7/16/2014 8:14:24 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1801435.1	98.119	%	0.5297				0.54%
Lu 261.542	1175209.5	97.96	%	0.561				0.57%
Al 308.215†	209247.8	10.386	mg/L	0.1704	10.386	mg/L	0.1704	1.64%
QC value within limits for Al 308.215 Recovery = 103.86%								
Co 228.616†	77670.0	2.5318	mg/L	0.04194	2.5318	mg/L	0.04194	1.66%
QC value within limits for Co 228.616 Recovery = 101.27%								
Cr 267.716†	64897.5	1.0190	mg/L	0.01575	1.0190	mg/L	0.01575	1.55%
QC value within limits for Cr 267.716 Recovery = 101.90%								
Cu 324.752†	266303.2	1.2659	mg/L	0.01874	1.2659	mg/L	0.01874	1.48%
QC value within limits for Cu 324.752 Recovery = 101.27%								
Fe 273.955†	111274.6	5.2675	mg/L	0.08429	5.2675	mg/L	0.08429	1.60%
QC value within limits for Fe 273.955 Recovery = 105.35%								
Mg 279.077†	390751.5	25.523	mg/L	0.0641	25.523	mg/L	0.0641	0.25%
QC value within limits for Mg 279.077 Recovery = 102.09%								
Mn 257.610†	1306867.9	2.5273	mg/L	0.00273	2.5273	mg/L	0.00273	0.11%
QC value within limits for Mn 257.610 Recovery = 101.09%								
Ni 231.604†	59753.6	2.6227	mg/L	0.04482	2.6227	mg/L	0.04482	1.71%
QC value within limits for Ni 231.604 Recovery = 104.91%								
Sb 206.836†	667.1	0.47728	mg/L	0.003132	0.47728	mg/L	0.003132	0.66%
QC value within limits for Sb 206.836 Recovery = 95.46%								
Tl 190.801	493.0	0.47585	mg/L	0.007012	0.47585	mg/L	0.007012	1.47%
QC value within limits for Tl 190.801 Recovery = 95.17%								
V 292.402†	287786.0	2.5610	mg/L	0.03591	2.5610	mg/L	0.03591	1.40%
QC value within limits for V 292.402 Recovery = 102.44%								
Ti 334.940†	281365.2	0.48991	mg/L	0.001513	0.48991	mg/L	0.001513	0.31%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4013.7	24.121	mg/L	0.1222	24.121	mg/L	0.1222	0.51%
QC value within limits for Ca 227.546 Recovery = 96.48%								

All analyte(s) passed QC.

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Sequence No.: 6 **Autosampler Location: 4**
Sample ID: ICB **Date Collected: 7/16/2014 8:17:56 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1867603.3	101.72	%	0.897				0.88%
Lu 261.542	1209179.4	100.8	%	0.92				0.91%
Al 308.215†	91.1	0.00451	mg/L	0.004502	0.00451	mg/L	0.004502	99.78%
QC value within limits for Al 308.215 Recovery = Not calculated								
Co 228.616†	6.8	0.00022	mg/L	0.000115	0.00022	mg/L	0.000115	51.58%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	7.9	0.00012	mg/L	0.000062	0.00012	mg/L	0.000062	49.85%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	11.6	0.00006	mg/L	0.000208	0.00006	mg/L	0.000208	377.33%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	32.9	0.00153	mg/L	0.000359	0.00153	mg/L	0.000359	23.40%
QC value within limits for Fe 273.955 Recovery = Not calculated								

Mg 279.077† 10.2 0.00066 mg/L 0.000777 0.00066 mg/L 0.000777 116.88%
QC value within limits for Mg 279.077 Recovery = Not calculated
Mn 257.610† 96.7 0.00019 mg/L 0.000038 0.00019 mg/L 0.000038 20.27%
QC value within limits for Mn 257.610 Recovery = Not calculated
Ni 231.604† 7.4 0.00033 mg/L 0.000560 0.00033 mg/L 0.000560 171.61%
QC value within limits for Ni 231.604 Recovery = Not calculated
Sb 206.836† 6.4 0.00470 mg/L 0.001717 0.00470 mg/L 0.001717 36.50%
QC value within limits for Sb 206.836 Recovery = Not calculated
Tl 190.801 -7.0 -0.00729 mg/L 0.004680 -0.00729 mg/L 0.004680 64.23%
QC value within limits for Tl 190.801 Recovery = Not calculated
V 292.402† 17.6 0.00016 mg/L 0.000327 0.00016 mg/L 0.000327 208.71%
QC value within limits for V 292.402 Recovery = Not calculated
Ti 334.940† 81.2 0.00014 mg/L 0.000036 0.00014 mg/L 0.000036 24.96%
QC value within limits for Ti 334.940 Recovery = Not calculated
Ca 227.546† 16.3 0.10013 mg/L 0.006806 0.10013 mg/L 0.006806 6.80%
QC value within limits for Ca 227.546 Recovery = Not calculated
All analyte(s) passed QC.

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Sequence No.: 7 **Autosampler Location: 2**
Sample ID: LLICV **Date Collected: 7/16/2014 8:21:28 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LLICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1880496.5	102.43	%	0.719				0.70%
Lu 261.542	1220635.3	101.7	%	0.81				0.80%
Al 308.215†	4385.6	0.21764	mg/L	0.012312	0.21764	mg/L	0.012312	5.66%
QC value within limits for Al 308.215 Recovery = 108.82%								
Co 228.616†	1581.9	0.05155	mg/L	0.000444	0.05155	mg/L	0.000444	0.86%
QC value within limits for Co 228.616 Recovery = 103.09%								
Cr 267.716†	1355.6	0.02128	mg/L	0.000871	0.02128	mg/L	0.000871	4.09%
QC value within limits for Cr 267.716 Recovery = 106.42%								
Cu 324.752†	6378.3	0.03033	mg/L	0.000935	0.03033	mg/L	0.000935	3.08%
QC value within limits for Cu 324.752 Recovery = 101.08%								
Fe 273.955†	4715.1	0.22119	mg/L	0.005768	0.22119	mg/L	0.005768	2.61%
QC value within limits for Fe 273.955 Recovery = 110.60%								
Mg 279.077†	8038.9	0.52513	mg/L	0.015812	0.52513	mg/L	0.015812	3.01%
QC value within limits for Mg 279.077 Recovery = 105.03%								
Mn 257.610†	27956.2	0.05407	mg/L	0.001472	0.05407	mg/L	0.001472	2.72%
QC value within limits for Mn 257.610 Recovery = 108.13%								
Ni 231.604†	1204.6	0.05286	mg/L	0.000742	0.05286	mg/L	0.000742	1.40%
QC value within limits for Ni 231.604 Recovery = 105.73%								
Sb 206.836†	32.3	0.02334	mg/L	0.002225	0.02334	mg/L	0.002225	9.53%
QC value within limits for Sb 206.836 Recovery = 116.70%								
Tl 190.801	18.5	0.01848	mg/L	0.001506	0.01848	mg/L	0.001506	8.15%
QC value within limits for Tl 190.801 Recovery = 92.41%								
V 292.402†	5836.6	0.05194	mg/L	0.001403	0.05194	mg/L	0.001403	2.70%
QC value within limits for V 292.402 Recovery = 103.87%								
Ti 334.940†	11455.5	0.01997	mg/L	0.000550	0.01997	mg/L	0.000550	2.75%
QC value within limits for Ti 334.940 Recovery = 99.85%								
Ca 227.546†	133.7	0.81194	mg/L	0.046940	0.81194	mg/L	0.046940	5.78%
QC value within limits for Ca 227.546 Recovery = 101.49%								

All analyte(s) passed QC.

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Sequence No.: 8 **Autosampler Location: 5**
Sample ID: ICSA **Date Collected: 7/16/2014 8:24:57 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1659894.8	90.410	%	0.6832				0.76%

Lu 261.542	1071585.6	89.32 %	0.702				0.79%
Al 308.215†	10699846.2	532.60 mg/L	0.142	532.60 mg/L	0.142		0.03%
QC value within limits for Al 308.215 Recovery = 106.52%							
Co 228.616†	84.9	0.00278 mg/L	0.000210	0.00278 mg/L	0.000210		7.57%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 267.716†	142.8	0.00224 mg/L	0.000299	0.00224 mg/L	0.000299		13.36%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 324.752†	-3430.2	-0.00259 mg/L	0.000166	-0.00259 mg/L	0.000166		6.44%
QC value within limits for Cu 324.752 Recovery = Not calculated							
Fe 273.955†	4205235.5	195.53 mg/L	0.231	195.53 mg/L	0.231		0.12%
QC value within limits for Fe 273.955 Recovery = 97.77%							
Mg 279.077†	7659480.6	500.34 mg/L	0.960	500.34 mg/L	0.960		0.19%
QC value within limits for Mg 279.077 Recovery = 100.07%							
Mn 257.610†	-448.8	-0.00935 mg/L	0.000154	-0.00935 mg/L	0.000154		1.65%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Ni 231.604†	41.7	-0.00170 mg/L	0.000425	-0.00170 mg/L	0.000425		25.02%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Sb 206.836†	3.0	-0.01498 mg/L	0.007136	-0.01498 mg/L	0.007136		47.62%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Tl 190.801	-31.7	0.00135 mg/L	0.002583	0.00135 mg/L	0.002583		191.23%
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.402†	-1113.7	0.00155 mg/L	0.000264	0.00155 mg/L	0.000264		17.06%
QC value within limits for V 292.402 Recovery = Not calculated							
Ti 334.940†	-2295.0	-0.01644 mg/L	0.000076	-0.01644 mg/L	0.000076		0.46%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Ca 227.546†	86879.7	536.56 mg/L	6.579	536.56 mg/L	6.579		1.23%
QC value within limits for Ca 227.546 Recovery = 107.31%							

All analyte(s) passed QC.

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Sequence No.: 9 **Autosampler Location: 6**
Sample ID: ICSAB **Date Collected: 7/16/2014 8:28:31 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1660995.9	90.470	%	0.7453				0.82%
Lu 261.542	1080252.8	90.05	%	0.759				0.84%
Al 308.215†	10531880.0	524.23	mg/L	6.783	524.23	mg/L	6.783	1.29%
QC value within limits for Al 308.215 Recovery = 104.85%								
Co 228.616†	14370.4	0.46856	mg/L	0.002585	0.46856	mg/L	0.002585	0.55%
QC value within limits for Co 228.616 Recovery = 93.71%								
Cr 267.716†	32107.7	0.50408	mg/L	0.001635	0.50408	mg/L	0.001635	0.32%
QC value within limits for Cr 267.716 Recovery = 100.82%								
Cu 324.752†	109760.0	0.53505	mg/L	0.000636	0.53505	mg/L	0.000636	0.12%
QC value within limits for Cu 324.752 Recovery = 107.01%								
Fe 273.955†	4147229.5	192.86	mg/L	0.188	192.86	mg/L	0.188	0.10%
QC value within limits for Fe 273.955 Recovery = 96.43%								
Mg 279.077†	7532155.8	492.02	mg/L	7.201	492.02	mg/L	7.201	1.46%
QC value within limits for Mg 279.077 Recovery = 98.40%								
Mn 257.610†	262920.3	0.50032	mg/L	0.000958	0.50032	mg/L	0.000958	0.19%
QC value within limits for Mn 257.610 Recovery = 100.06%								
Ni 231.604†	21072.4	0.92156	mg/L	0.005192	0.92156	mg/L	0.005192	0.56%
QC value within limits for Ni 231.604 Recovery = 92.16%								
Sb 206.836†	868.7	0.61123	mg/L	0.002874	0.61123	mg/L	0.002874	0.47%
QC value within limits for Sb 206.836 Recovery = 101.87%								
Tl 190.801	46.1	0.07480	mg/L	0.006830	0.07480	mg/L	0.006830	9.13%
QC value less than the lower limit for Tl 190.801 Recovery = 74.80%								
V 292.402†	56416.3	0.51402	mg/L	0.000405	0.51402	mg/L	0.000405	0.08%
QC value within limits for V 292.402 Recovery = 102.80%								
Ti 334.940†	-2299.8	-0.01619	mg/L	0.000317	-0.01619	mg/L	0.000317	1.96%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	87376.9	539.45	mg/L	1.295	539.45	mg/L	1.295	0.24%
QC value within limits for Ca 227.546 Recovery = 107.89%								

QC Failed. Continue with analysis.

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Sequence No.: 10 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 8:32:04 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1821209.2	99.196	%	0.3827				0.39%
Lu 261.542	1187548.6	98.99	%	0.428				0.43%
Al 308.215†	206817.8	10.266	mg/L	0.0437	10.266	mg/L	0.0437	0.43%
QC value within limits for Al 308.215 Recovery = 102.66%								
Co 228.616†	76398.4	2.4904	mg/L	0.00909	2.4904	mg/L	0.00909	0.37%
QC value within limits for Co 228.616 Recovery = 99.61%								
Cr 267.716†	63949.3	1.0041	mg/L	0.00326	1.0041	mg/L	0.00326	0.32%
QC value within limits for Cr 267.716 Recovery = 100.41%								
Cu 324.752†	263134.6	1.2508	mg/L	0.00168	1.2508	mg/L	0.00168	0.13%
QC value within limits for Cu 324.752 Recovery = 100.07%								
Fe 273.955†	110035.3	5.2086	mg/L	0.01739	5.2086	mg/L	0.01739	0.33%
QC value within limits for Fe 273.955 Recovery = 104.17%								
Mg 279.077†	393052.1	25.673	mg/L	0.0200	25.673	mg/L	0.0200	0.08%
QC value within limits for Mg 279.077 Recovery = 102.69%								
Mn 257.610†	1310953.9	2.5352	mg/L	0.00092	2.5352	mg/L	0.00092	0.04%
QC value within limits for Mn 257.610 Recovery = 101.41%								
Ni 231.604†	58786.4	2.5803	mg/L	0.00521	2.5803	mg/L	0.00521	0.20%
QC value within limits for Ni 231.604 Recovery = 103.21%								
Sb 206.836†	660.7	0.47276	mg/L	0.002702	0.47276	mg/L	0.002702	0.57%
QC value within limits for Sb 206.836 Recovery = 94.55%								
Tl 190.801	493.0	0.47634	mg/L	0.001369	0.47634	mg/L	0.001369	0.29%
QC value within limits for Tl 190.801 Recovery = 95.27%								
V 292.402†	283914.6	2.5265	mg/L	0.00450	2.5265	mg/L	0.00450	0.18%
QC value within limits for V 292.402 Recovery = 101.06%								
Ti 334.940†	283259.1	0.49321	mg/L	0.000944	0.49321	mg/L	0.000944	0.19%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	3998.6	24.037	mg/L	0.0704	24.037	mg/L	0.0704	0.29%
QC value within limits for Ca 227.546 Recovery = 96.15%								

All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 8:35:36 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1859690.3	101.29	%	0.397				0.39%
Lu 261.542	1204167.9	100.4	%	0.35				0.35%
Al 308.215†	368.0	0.01829	mg/L	0.004238	0.01829	mg/L	0.004238	23.16%
QC value within limits for Al 308.215 Recovery = Not calculated								
Co 228.616†	11.5	0.00037	mg/L	0.000136	0.00037	mg/L	0.000136	36.18%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	0.4	0.00001	mg/L	0.000053	0.00001	mg/L	0.000053	760.27%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	145.3	0.00069	mg/L	0.000250	0.00069	mg/L	0.000250	36.22%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	133.2	0.00620	mg/L	0.000196	0.00620	mg/L	0.000196	3.16%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	243.0	0.01587	mg/L	0.004841	0.01587	mg/L	0.004841	30.50%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	70.2	0.00014	mg/L	0.000041	0.00014	mg/L	0.000041	30.28%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	5.8	0.00025	mg/L	0.000228	0.00025	mg/L	0.000228	89.87%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Sb 206.836†	5.7	0.00413	mg/L	0.003338	0.00413	mg/L	0.003338	80.87%
QC value within limits for Sb 206.836 Recovery = Not calculated								

Tl 190.801	-2.1	-0.00214	mg/L	0.002918	-0.00214	mg/L	0.002918 136.53%
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.402†	8.1	0.00007	mg/L	0.000495	0.00007	mg/L	0.000495 684.37%
QC value within limits for V 292.402 Recovery = Not calculated							
Ti 334.940†	19.1	0.00003	mg/L	0.000042	0.00003	mg/L	0.000042 120.73%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Ca 227.546†	21.7	0.13368	mg/L	0.071585	0.13368	mg/L	0.071585 53.55%
QC value within limits for Ca 227.546 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 38**
Sample ID: N1178-09F~98434 **Date Collected: 7/16/2014 8:39:06 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-09F~98434

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1843310.7	100.40	%	1.188				1.18%
Lu 261.542	1201027.8	100.1	%	1.25				1.25%
Al 308.215†	432.4	0.01813	mg/L	0.008551	0.01813	mg/L	0.008551	47.16%
Co 228.616†	10.7	0.00035	mg/L	0.000152	0.00035	mg/L	0.000152	43.49%
Cr 267.716†	86.6	0.00086	mg/L	0.000211	0.00086	mg/L	0.000211	24.47%
Cu 324.752†	190.7	0.00091	mg/L	0.000629	0.00091	mg/L	0.000629	69.30%
Fe 273.955†	394.4	0.01801	mg/L	0.000498	0.01801	mg/L	0.000498	2.76%
Mg 279.077†	110660.2	7.2272	mg/L	0.15814	7.2272	mg/L	0.15814	2.19%
Mn 257.610†	708654.4	1.3707	mg/L	0.00156	1.3707	mg/L	0.00156	0.11%
Ni 231.604†	23.4	0.00098	mg/L	0.000085	0.00098	mg/L	0.000085	8.68%
Sb 206.836†	6.5	0.00502	mg/L	0.000793	0.00502	mg/L	0.000793	15.80%
Tl 190.801	-5.6	-0.00659	mg/L	0.004354	-0.00659	mg/L	0.004354	66.04%
V 292.402†	9.0	0.00008	mg/L	0.000338	0.00008	mg/L	0.000338	402.22%
Ti 334.940†	-82.0	-0.00025	mg/L	0.000137	-0.00025	mg/L	0.000137	54.69%
Ca 227.546†	2104.5	12.942	mg/L	0.2111	12.942	mg/L	0.2111	1.63%

Sequence No.: 13 **Autosampler Location: 39**
Sample ID: N1178-10F~BLIND DUPLICAT **Date Collected: 7/16/2014 8:42:37 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-10F~BLIND DUPLICAT

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1841754.2	100.32	%	0.567				0.57%
Lu 261.542	1200603.5	100.1	%	0.56				0.55%
Al 308.215†	343.1	0.01377	mg/L	0.001265	0.01377	mg/L	0.001265	9.19%
Co 228.616†	7.1	0.00023	mg/L	0.000248	0.00023	mg/L	0.000248	106.77%
Cr 267.716†	76.8	0.00075	mg/L	0.000104	0.00075	mg/L	0.000104	13.85%
Cu 324.752†	177.5	0.00084	mg/L	0.000468	0.00084	mg/L	0.000468	55.50%
Fe 273.955†	181.1	0.00808	mg/L	0.000527	0.00808	mg/L	0.000527	6.52%
Mg 279.077†	110115.0	7.1916	mg/L	0.04459	7.1916	mg/L	0.04459	0.62%
Mn 257.610†	642999.6	1.2437	mg/L	0.00059	1.2437	mg/L	0.00059	0.05%
Ni 231.604†	24.3	0.00102	mg/L	0.000479	0.00102	mg/L	0.000479	46.93%
Sb 206.836†	2.7	0.00220	mg/L	0.002475	0.00220	mg/L	0.002475	112.38%
Tl 190.801	-6.4	-0.00739	mg/L	0.000833	-0.00739	mg/L	0.000833	11.27%
V 292.402†	-21.2	-0.00019	mg/L	0.000519	-0.00019	mg/L	0.000519	280.18%
Ti 334.940†	-117.4	-0.00032	mg/L	0.000063	-0.00032	mg/L	0.000063	19.86%
Ca 227.546†	2049.8	12.605	mg/L	0.0354	12.605	mg/L	0.0354	0.28%

Sequence No.: 14 **Autosampler Location: 40**
Sample ID: N1178-11F~MW-101S **Date Collected: 7/16/2014 8:46:07 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-11F~MW-101S

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1819958.0	99.128	%	0.9533				0.96%
Lu 261.542	1195150.6	99.62	%	1.012				1.02%
Al 308.215†	486.2	0.02239	mg/L	0.005280	0.02239	mg/L	0.005280	23.58%
Co 228.616†	16.9	0.00055	mg/L	0.000138	0.00055	mg/L	0.000138	25.09%
Cr 267.716†	62.1	0.00080	mg/L	0.000107	0.00080	mg/L	0.000107	13.33%
Cu 324.752†	253.4	0.00120	mg/L	0.000105	0.00120	mg/L	0.000105	8.70%
Fe 273.955†	307.6	0.01419	mg/L	0.000560	0.01419	mg/L	0.000560	3.95%
Mg 279.077†	36725.3	2.3985	mg/L	0.06110	2.3985	mg/L	0.06110	2.55%
Mn 257.610†	241953.9	0.46803	mg/L	0.000552	0.46803	mg/L	0.000552	0.12%
Ni 231.604†	4.3	0.00017	mg/L	0.000252	0.00017	mg/L	0.000252	144.37%
Sb 206.836†	1.0	0.00080	mg/L	0.002273	0.00080	mg/L	0.002273	282.87%
Tl 190.801	-7.1	-0.00758	mg/L	0.003458	-0.00758	mg/L	0.003458	45.64%
V 292.402†	-28.1	-0.00025	mg/L	0.000434	-0.00025	mg/L	0.000434	175.70%
Ti 334.940†	37.5	0.00007	mg/L	0.000079	0.00007	mg/L	0.000079	107.92%
Ca 227.546†	1204.2	7.4051	mg/L	0.19664	7.4051	mg/L	0.19664	2.66%

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Sequence No.: 15 **Autosampler Location: 41**
Sample ID: N1178-12F~MW-104D **Date Collected: 7/16/2014 8:49:36 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1178-12F~MW-104D

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1838790.2	100.15	%	0.465				0.46%
Lu 261.542	1196730.9	99.75	%	0.416				0.42%
Al 308.215†	345.3	0.01359	mg/L	0.002781	0.01359	mg/L	0.002781	20.47%
Co 228.616†	30.6	0.00100	mg/L	0.000190	0.00100	mg/L	0.000190	19.07%
Cr 267.716†	22.6	0.00031	mg/L	0.000072	0.00031	mg/L	0.000072	22.96%
Cu 324.752†	255.8	0.00135	mg/L	0.000166	0.00135	mg/L	0.000166	12.25%
Fe 273.955†	41688.6	1.9391	mg/L	0.02009	1.9391	mg/L	0.02009	1.04%
Mg 279.077†	75824.4	4.9530	mg/L	0.06071	4.9530	mg/L	0.06071	1.23%
Mn 257.610†	60189.4	0.11639	mg/L	0.001248	0.11639	mg/L	0.001248	1.07%
Ni 231.604†	8.0	0.00032	mg/L	0.000366	0.00032	mg/L	0.000366	115.89%
Sb 206.836†	4.0	0.00307	mg/L	0.001944	0.00307	mg/L	0.001944	63.38%
Tl 190.801	-2.3	-0.00178	mg/L	0.002552	-0.00178	mg/L	0.002552	143.28%
V 292.402†	-40.5	-0.00025	mg/L	0.000035	-0.00025	mg/L	0.000035	14.30%
Ti 334.940†	-32.4	-0.00005	mg/L	0.000081	-0.00005	mg/L	0.000081	165.00%
Ca 227.546†	2375.2	14.627	mg/L	0.0484	14.627	mg/L	0.0484	0.33%

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Sequence No.: 16 **Autosampler Location: 42**
Sample ID: N1194-11D~GW-TP-01-07101 **Date Collected: 7/16/2014 8:53:06 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-11D~GW-TP-01-07101

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1748101.1	95.214	%	1.7085				1.79%
Lu 261.542	1139845.2	95.01	%	1.795				1.89%
Al 308.215†	1346.9	0.04558	mg/L	0.005374	0.04558	mg/L	0.005374	11.79%
Co 228.616†	4.3	0.00013	mg/L	0.000192	0.00013	mg/L	0.000192	145.68%
Cr 267.716†	90.8	0.00139	mg/L	0.000169	0.00139	mg/L	0.000169	12.13%
Cu 324.752†	149.0	0.00097	mg/L	0.000219	0.00097	mg/L	0.000219	22.66%
Fe 273.955†	79596.4	3.6977	mg/L	0.05229	3.6977	mg/L	0.05229	1.41%
Mg 279.077†	1727904.8	112.85	mg/L	0.459	112.85	mg/L	0.459	0.41%
Mn 257.610†	52917.1	0.09865	mg/L	0.001350	0.09865	mg/L	0.001350	1.37%
Ni 231.604†	25.9	0.00034	mg/L	0.000087	0.00034	mg/L	0.000087	25.74%
Sb 206.836†	5.2	0.00654	mg/L	0.001523	0.00654	mg/L	0.001523	23.28%
Tl 190.801	-11.2	-0.00724	mg/L	0.004677	-0.00724	mg/L	0.004677	64.57%
V 292.402†	587.2	0.00544	mg/L	0.000128	0.00544	mg/L	0.000128	2.36%

Ti 334.940†	2646.4	0.00097	mg/L	0.000066	0.00097	mg/L	0.000066	6.79%
Ca 227.546†	9846.0	60.588	mg/L	1.1717	60.588	mg/L	1.1717	1.93%

Sequence No.: 17 **Autosampler Location: 43**
Sample ID: N1194-25D~GW-TP-03-07101 **Date Collected: 7/16/2014 8:56:36 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-25D~GW-TP-03-07101

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1702483.1	92.729	%	0.5775				0.62%
Lu 261.542	1121006.8	93.44	%	0.502				0.54%
Al 308.215†	38691.2	1.9042	mg/L	0.00610	1.9042	mg/L	0.00610	0.32%
Co 228.616†	81.1	0.00257	mg/L	0.000075	0.00257	mg/L	0.000075	2.91%
Cr 267.716†	474.8	0.00700	mg/L	0.000211	0.00700	mg/L	0.000211	3.01%
Cu 324.752†	4531.9	0.02236	mg/L	0.000396	0.02236	mg/L	0.000396	1.77%
Fe 273.955†	254289.7	11.828	mg/L	0.0269	11.828	mg/L	0.0269	0.23%
Mg 279.077†	332584.5	21.727	mg/L	0.0515	21.727	mg/L	0.0515	0.24%
Mn 257.610†	640307.6	1.2387	mg/L	0.00311	1.2387	mg/L	0.00311	0.25%
Ni 231.604†	226.8	0.00978	mg/L	0.000127	0.00978	mg/L	0.000127	1.30%
Sb 206.836†	2.5	0.00266	mg/L	0.000934	0.00266	mg/L	0.000934	35.18%
Tl 190.801	-3.7	-0.00091	mg/L	0.003022	-0.00091	mg/L	0.003022	333.21%
V 292.402†	197.6	0.00243	mg/L	0.000435	0.00243	mg/L	0.000435	17.90%
Ti 334.940†	20235.7	0.03573	mg/L	0.000241	0.03573	mg/L	0.000241	0.67%
Ca 227.546†	15084.8	92.892	mg/L	0.2598	92.892	mg/L	0.2598	0.28%

Sequence No.: 18 **Autosampler Location: 44**
Sample ID: N1194-26D~GW-TP-02-07101 **Date Collected: 7/16/2014 9:00:00 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-26D~GW-TP-02-07101

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1774163.2	96.634	%	0.8260				0.85%
Lu 261.542	1156506.4	96.40	%	0.843				0.87%
Al 308.215†	366700.7	18.223	mg/L	0.0541	18.223	mg/L	0.0541	0.30%
Co 228.616†	480.3	0.01540	mg/L	0.000243	0.01540	mg/L	0.000243	1.57%
Cr 267.716†	1968.9	0.03048	mg/L	0.000216	0.03048	mg/L	0.000216	0.71%
Cu 324.752†	7033.8	0.03575	mg/L	0.000296	0.03575	mg/L	0.000296	0.83%
Fe 273.955†	712892.0	33.162	mg/L	0.0620	33.162	mg/L	0.0620	0.19%
Mg 279.077†	319189.5	20.863	mg/L	0.0504	20.863	mg/L	0.0504	0.24%
Mn 257.610†	630488.2	1.2205	mg/L	0.00181	1.2205	mg/L	0.00181	0.15%
Ni 231.604†	1131.3	0.04944	mg/L	0.000645	0.04944	mg/L	0.000645	1.30%
Sb 206.836†	1.6	0.00095	mg/L	0.002533	0.00095	mg/L	0.002533	267.82%
Tl 190.801	-6.1	-0.00033	mg/L	0.003005	-0.00033	mg/L	0.003005	901.58%
V 292.402†	3724.8	0.03500	mg/L	0.000409	0.03500	mg/L	0.000409	1.17%
Ti 334.940†	72085.2	0.12702	mg/L	0.001276	0.12702	mg/L	0.001276	1.00%
Ca 227.546†	24547.7	151.31	mg/L	0.145	151.31	mg/L	0.145	0.10%

Sequence No.: 19 **Autosampler Location: 45**
Sample ID: N1194-27D~FB-01-071014 **Date Collected: 7/16/2014 9:03:24 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-27D~FB-01-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1874770.8	102.11	%	0.364				0.36%
Lu 261.542	1215911.1	101.4	%	0.46				0.45%
Al 308.215†	152.2	0.00756	mg/L	0.002857	0.00756	mg/L	0.002857	37.81%

Co 228.616†	-0.4	-0.00001 mg/L	0.000047	-0.00001 mg/L	0.000047	347.60%
Cr 267.716†	12.4	0.00019 mg/L	0.000080	0.00019 mg/L	0.000080	41.19%
Cu 324.752†	21.2	0.00010 mg/L	0.000528	0.00010 mg/L	0.000528	520.29%
Fe 273.955†	324.9	0.01509 mg/L	0.001158	0.01509 mg/L	0.001158	7.67%
Mg 279.077†	110.4	0.00722 mg/L	0.002330	0.00722 mg/L	0.002330	32.28%
Mn 257.610†	476.7	0.00092 mg/L	0.000029	0.00092 mg/L	0.000029	3.16%
Ni 231.604†	6.9	0.00031 mg/L	0.000261	0.00031 mg/L	0.000261	85.00%
Sb 206.836†	4.9	0.00355 mg/L	0.002145	0.00355 mg/L	0.002145	60.39%
Tl 190.801	-5.3	-0.00549 mg/L	0.004593	-0.00549 mg/L	0.004593	83.73%
V 292.402†	-78.7	-0.00070 mg/L	0.000253	-0.00070 mg/L	0.000253	36.20%
Ti 334.940†	20.3	0.00004 mg/L	0.000024	0.00004 mg/L	0.000024	64.95%
Ca 227.546†	22.2	0.13646 mg/L	0.063008	0.13646 mg/L	0.063008	46.17%

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Sequence No.: 20 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 9:06:54 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1794060.5	97.717	%	0.5460				0.56%
Lu 261.542	1178470.9	98.23	%	0.626				0.64%
Al 308.215†	209201.2	10.384	mg/L	0.0209	10.384	mg/L	0.0209	0.20%
QC value within limits for Al 308.215 Recovery = 103.84%								
Co 228.616†	77149.1	2.5149	mg/L	0.00334	2.5149	mg/L	0.00334	0.13%
QC value within limits for Co 228.616 Recovery = 100.59%								
Cr 267.716†	64461.0	1.0121	mg/L	0.00165	1.0121	mg/L	0.00165	0.16%
QC value within limits for Cr 267.716 Recovery = 101.21%								
Cu 324.752†	270442.6	1.2855	mg/L	0.00323	1.2855	mg/L	0.00323	0.25%
QC value within limits for Cu 324.752 Recovery = 102.84%								
Fe 273.955†	110480.3	5.2309	mg/L	0.00546	5.2309	mg/L	0.00546	0.10%
QC value within limits for Fe 273.955 Recovery = 104.62%								
Mg 279.077†	395329.2	25.822	mg/L	0.0158	25.822	mg/L	0.0158	0.06%
QC value within limits for Mg 279.077 Recovery = 103.29%								
Mn 257.610†	1319340.4	2.5514	mg/L	0.00481	2.5514	mg/L	0.00481	0.19%
QC value within limits for Mn 257.610 Recovery = 102.05%								
Ni 231.604†	59213.9	2.5990	mg/L	0.00283	2.5990	mg/L	0.00283	0.11%
QC value within limits for Ni 231.604 Recovery = 103.96%								
Sb 206.836†	665.2	0.47600	mg/L	0.010565	0.47600	mg/L	0.010565	2.22%
QC value within limits for Sb 206.836 Recovery = 95.20%								
Tl 190.801	497.1	0.48020	mg/L	0.000823	0.48020	mg/L	0.000823	0.17%
QC value within limits for Tl 190.801 Recovery = 96.04%								
V 292.402†	289275.1	2.5742	mg/L	0.00370	2.5742	mg/L	0.00370	0.14%
QC value within limits for V 292.402 Recovery = 102.97%								
Ti 334.940†	284113.7	0.49470	mg/L	0.000814	0.49470	mg/L	0.000814	0.16%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4048.4	24.336	mg/L	0.2633	24.336	mg/L	0.2633	1.08%
QC value within limits for Ca 227.546 Recovery = 97.35%								

All analyte(s) passed QC.

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Sequence No.: 21 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 9:10:19 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
User canceled analysis.

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Analysis Begun

Start Time: 7/16/2014 9:11:17 AM **Plasma On Time: 7/16/2014 7:25:40 AM**
Logged In Analyst: mitOptima3 **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 069N-na **Autosampler Model: AS-93plus**

Sample Information File: C:\pe\Administrator\Sample Information\0716A.sif
Batch ID: Null
Results Data Set: B14071601
Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 9:11:17 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Calib. Std.Dev.	Sample Conc.	Units	Sample Std.Dev.	RSD
Y 360.073	1832242.2	99.797	%	0.2879				0.29%
Lu 261.542	1196096.4	99.70	%	0.264				0.27%
Al 308.215†	242.4	0.01206	mg/L	0.003765	0.01206	mg/L	0.003765	31.23%
QC value within limits for Al 308.215 Recovery = Not calculated								
Co 228.616†	17.0	0.00055	mg/L	0.000222	0.00055	mg/L	0.000222	39.97%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	20.4	0.00032	mg/L	0.000134	0.00032	mg/L	0.000134	41.87%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	96.1	0.00046	mg/L	0.000184	0.00046	mg/L	0.000184	40.41%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	55.2	0.00257	mg/L	0.000506	0.00257	mg/L	0.000506	19.68%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	180.4	0.01178	mg/L	0.006881	0.01178	mg/L	0.006881	58.39%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	288.9	0.00056	mg/L	0.000116	0.00056	mg/L	0.000116	20.82%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	20.3	0.00089	mg/L	0.000491	0.00089	mg/L	0.000491	54.96%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Sb 206.836†	3.0	0.00219	mg/L	0.000960	0.00219	mg/L	0.000960	43.79%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Tl 190.801	-3.0	-0.00309	mg/L	0.002164	-0.00309	mg/L	0.002164	69.99%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	25.9	0.00023	mg/L	0.000062	0.00023	mg/L	0.000062	26.91%
QC value within limits for V 292.402 Recovery = Not calculated								
Ti 334.940†	64.7	0.00011	mg/L	0.000078	0.00011	mg/L	0.000078	68.76%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	5.2	0.03211	mg/L	0.081998	0.03211	mg/L	0.081998	255.36%
QC value within limits for Ca 227.546 Recovery = Not calculated								

All analyte(s) passed QC.
User canceled analysis.

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Reprocessing Begun
Logged In Analyst: mitOptima3 **Technique: ICP Continuous**

Results Data Set (original): B14071602
Results Library (original): C:\pe\Administrator\Results\Results.mdb
Results Data Set (reprocessed): B14071602A
Results Library (reprocessed): C:\pe\Administrator\Results\Results.mdb

==========

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: S0 **Date Collected: 7/16/2014 9:31:58 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:28 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	1887760.0	27093.95	1.44%	100.00	%
Lu 261.542	1222315.5	16910.49	1.38%	100.0	%
Ag 328.068†	-2666.6	19.66	0.74%	[0.00]	mg/L
Al 308.215†	6361.1	9.85	0.15%	[0.00]	mg/L
As 188.979†	-7.0	3.66	52.06%	[0.00]	mg/L
Ba 233.527†	6.5	6.81	104.35%	[0.00]	mg/L
Be 313.107†	-339.4	47.23	13.92%	[0.00]	mg/L
Co 228.616†	-44.5	7.57	16.99%	[0.00]	mg/L
Cr 267.716†	49.7	1.81	3.64%	[0.00]	mg/L
Cu 324.752†	2698.2	55.42	2.05%	[0.00]	mg/L
Fe 273.955†	-172.1	1.75	1.02%	[0.00]	mg/L
Mg 279.077†	-157.5	65.16	41.37%	[0.00]	mg/L
Mn 257.610†	38.0	11.25	29.58%	[0.00]	mg/L
Ni 231.604†	-7.6	0.89	11.69%	[0.00]	mg/L
Pb 220.353†	37.0	8.00	21.61%	[0.00]	mg/L
Sb 206.836†	18.1	2.61	14.42%	[0.00]	mg/L
Se 196.026†	-0.2	3.30	>999.9%	[0.00]	mg/L
Tl 190.801	-12.5	2.56	20.43%	[0.00]	mg/L
V 292.402†	-82.1	21.98	26.77%	[0.00]	mg/L
Zn 206.200†	89.9	4.99	5.55%	[0.00]	mg/L
Cd 226.502†	-60.9	4.10	6.73%	[0.00]	mg/L
Ti 334.940†	52.0	12.44	23.93%	[0.00]	mg/L
Ca 227.546†	8.7	7.40	85.34%	[0.00]	mg/L
Na 589.592	855.1	12.21	1.43%	[0.00]	mg/L
K 766.490	1882.8	161.40	8.57%	[0.00]	mg/L

==========

Sequence No.: 2 **Autosampler Location: 9**
Sample ID: S1 **Date Collected: 7/16/2014 9:35:35 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:30 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	1779064.1	8568.20	0.48%	94.242	%
Lu 261.542	1159921.1	5258.24	0.45%	94.90	%
Ag 328.068†	372097.2	20076.71	5.40%	[2.5]	mg/L
Al 308.215†	409921.9	8064.58	1.97%	[20]	mg/L
As 188.979†	904.5	2.64	0.29%	[1]	mg/L
Ba 233.527†	1585317.4	2237.65	0.14%	[20]	mg/L
Be 313.107†	1118692.0	2045.30	0.18%	[0.5]	mg/L
Co 228.616†	157249.8	3180.46	2.02%	[5]	mg/L
Cr 267.716†	130876.3	2764.73	2.11%	[2]	mg/L
Cu 324.752†	539083.3	2458.80	0.46%	[2.5]	mg/L
Fe 273.955†	219910.6	4280.41	1.95%	[10]	mg/L

Mg 279.077†	776272.1	730.10	0.09%	[50]	mg/L
Mn 257.610†	2630334.0	2144.64	0.08%	[5]	mg/L
Ni 231.604†	116877.1	2322.30	1.99%	[5]	mg/L
Pb 220.353†	4384.2	9.87	0.23%	[1]	mg/L
Sb 206.836†	1382.3	18.59	1.35%	[1]	mg/L
Se 196.026†	577.0	3.11	0.54%	[1]	mg/L
Tl 190.801	945.4	1.66	0.18%	[1]	mg/L
V 292.402†	577057.1	901.07	0.16%	[5]	mg/L
Zn 206.200†	118891.9	2524.22	2.12%	[5]	mg/L
Cd 226.502†	21504.7	443.35	2.06%	[0.5]	mg/L
Ti 334.940†	576255.3	995.75	0.17%	[1]	mg/L
Ca 227.546†	8182.3	31.82	0.39%	[50]	mg/L
Na 589.592	348796.5	3090.13	0.89%	[50]	mg/L
K 766.490	104221.7	859.53	0.82%	[50]	mg/L

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Sequence No.: 3 **Autosampler Location: 10**
Sample ID: S2 **Date Collected: 7/16/2014 9:39:18 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:31 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	1830045.1	11008.50	0.60%	96.943	%
Lu 261.542	1194442.9	7769.72	0.65%	97.72	%
Ag 328.068†	191576.6	3528.61	1.84%	[1.25]	mg/L
Al 308.215†	200182.9	1034.59	0.52%	[10]	mg/L
As 188.979†	441.3	5.94	1.35%	[0.5]	mg/L
Ba 233.527†	800487.2	1359.08	0.17%	[10]	mg/L
Be 313.107†	554636.2	819.13	0.15%	[0.25]	mg/L
Co 228.616†	78377.6	422.23	0.54%	[2.5]	mg/L
Cr 267.716†	64675.2	347.73	0.54%	[1]	mg/L
Cu 324.752†	260444.1	1057.15	0.41%	[1.25]	mg/L
Fe 273.955†	109294.9	637.49	0.58%	[5]	mg/L
Mg 279.077†	386775.6	308.38	0.08%	[25]	mg/L
Mn 257.610†	1320699.7	2304.67	0.17%	[2.5]	mg/L
Ni 231.604†	58381.9	404.15	0.69%	[2.5]	mg/L
Pb 220.353†	2202.1	30.00	1.36%	[0.5]	mg/L
Sb 206.836†	681.9	2.69	0.39%	[0.5]	mg/L
Se 196.026†	286.9	5.38	1.88%	[0.5]	mg/L
Tl 190.801	487.9	4.44	0.91%	[0.5]	mg/L
V 292.402†	281905.5	1471.33	0.52%	[2.5]	mg/L
Zn 206.200†	59501.3	213.00	0.36%	[2.5]	mg/L
Cd 226.502†	10682.0	51.24	0.48%	[0.25]	mg/L
Ti 334.940†	283897.3	916.88	0.32%	[0.5]	mg/L
Ca 227.546†	4014.4	46.39	1.16%	[25]	mg/L
Na 589.592	177187.9	1575.60	0.89%	[25]	mg/L
K 766.490	52429.0	509.30	0.97%	[25]	mg/L

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Sequence No.: 4 **Autosampler Location: 11**
Sample ID: S3 **Date Collected: 7/16/2014 9:43:00 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:31 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: S3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	1831103.9	19998.51	1.09%	96.999	%
Lu 261.542	1196947.1	13090.19	1.09%	97.92	%
Ag 328.068†	7112.3	414.57	5.83%	[0.025]	mg/L
Al 308.215†	4217.6	190.86	4.53%	[0.2]	mg/L
As 188.979†	7.5	0.18	2.45%	[0.01]	mg/L
Ba 233.527†	17433.3	418.09	2.40%	[0.2]	mg/L

Be 313.107†	11426.1	335.73	2.94%	[0.005]	mg/L
Co 228.616†	1644.7	13.49	0.82%	[0.05]	mg/L
Cr 267.716†	1379.0	28.47	2.06%	[0.02]	mg/L
Cu 324.752†	5502.4	193.47	3.52%	[0.025]	mg/L
Fe 273.955†	2362.5	57.26	2.42%	[0.1]	mg/L
Mg 279.077†	8229.0	98.51	1.20%	[0.5]	mg/L
Mn 257.610†	28761.1	690.87	2.40%	[0.05]	mg/L
Ni 231.604†	1229.3	13.99	1.14%	[0.05]	mg/L
Pb 220.353†	45.4	2.95	6.50%	[0.01]	mg/L
Sb 206.836†	16.1	2.85	17.65%	[0.01]	mg/L
Se 196.026†	4.7	4.64	97.63%	[0.01]	mg/L
Tl 190.801	9.6	5.34	55.90%	[0.01]	mg/L
V 292.402†	5977.5	173.49	2.90%	[0.05]	mg/L
Zn 206.200†	1283.9	16.14	1.26%	[0.05]	mg/L
Cd 226.502†	219.9	3.52	1.60%	[0.005]	mg/L
Ti 334.940†	5868.9	126.15	2.15%	[0.01]	mg/L
Ca 227.546†	78.6	3.48	4.42%	[0.5]	mg/L
Na 589.592	3843.9	57.97	1.51%	[0.5]	mg/L
K 766.490	1284.6	51.07	3.98%	[0.5]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin Thru 0	0.0	149700	0.00000	0.999898	
Al 308.215	3	Lin Thru 0	0.0	20400	0.00000	0.999956	
As 188.979	3	Lin Thru 0	0.0	900.2	0.00000	0.999952	
Ba 233.527	3	Lin Thru 0	0.0	79420	0.00000	0.999992	
Be 313.107	3	Lin Thru 0	0.0	2234000	0.00000	0.999994	
Co 228.616	3	Lin Thru 0	0.0	31430	0.00000	0.999999	
Cr 267.716	3	Lin Thru 0	0.0	65290	0.00000	0.999989	
Cu 324.752	3	Lin Thru 0	0.0	214200	0.00000	0.999908	
Fe 273.955	3	Lin Thru 0	0.0	21960	0.00000	0.999997	
Mg 279.077	3	Lin Thru 0	0.0	15510	0.00000	0.999999	
Mn 257.610	3	Lin Thru 0	0.0	526500	0.00000	0.999998	
Ni 231.604	3	Lin Thru 0	0.0	23370	0.00000	1.000000	
Pb 220.353	3	Lin Thru 0	0.0	4388	0.00000	0.999998	
Sb 206.836	3	Lin Thru 0	0.0	1379	0.00000	0.999984	
Se 196.026	3	Lin Thru 0	0.0	576.3	0.00000	0.999996	
Tl 190.801	3	Lin Thru 0	0.0	951.5	0.00000	0.999918	
V 292.402	3	Lin Thru 0	0.0	114900	0.00000	0.999957	
Zn 206.200	3	Lin Thru 0	0.0	23780	0.00000	1.000000	
Cd 226.502	3	Lin Thru 0	0.0	42950	0.00000	0.999997	
Ti 334.940	3	Lin Thru 0	0.0	574600	0.00000	0.999983	
Ca 227.546	3	Lin Thru 0	0.0	163.0	0.00000	0.999972	
Na 589.592	3	Lin Thru 0	0.0	6998	0.00000	0.999979	
K 766.490	3	Lin Thru 0	0.0	2087	0.00000	0.999995	

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Sequence No.: 5 **Autosampler Location: 3**
Sample ID: ICV **Date Collected: 7/16/2014 9:46:39 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:32 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1781960.3	94.395	%	0.5865				0.62%
Lu 261.542	1170712.4	95.78	%	0.609				0.64%
Ag 328.068†	202650.0	1.3554	mg/L	0.00169	1.3554	mg/L	0.00169	0.12%
QC value within limits for Ag 328.068 Recovery = 108.43%								
Al 308.215†	212974.3	10.407	mg/L	0.0267	10.407	mg/L	0.0267	0.26%
QC value within limits for Al 308.215 Recovery = 104.07%								
As 188.979†	460.7	0.52089	mg/L	0.003843	0.52089	mg/L	0.003843	0.74%
QC value within limits for As 188.979 Recovery = 104.18%								
Ba 233.527†	818956.6	10.314	mg/L	0.0265	10.314	mg/L	0.0265	0.26%
QC value within limits for Ba 233.527 Recovery = 103.14%								
Be 313.107†	561912.3	0.25255	mg/L	0.000478	0.25255	mg/L	0.000478	0.19%

QC value within limits for Be 313.107 Recovery = 101.02%
Co 228.616† 78554.1 2.4979 mg/L 0.00909 2.4979 mg/L 0.00909 0.36%
QC value within limits for Co 228.616 Recovery = 99.92%
Cr 267.716† 65809.0 1.0082 mg/L 0.00116 1.0082 mg/L 0.00116 0.11%
QC value within limits for Cr 267.716 Recovery = 100.82%
Cu 324.752† 274627.9 1.2830 mg/L 0.00211 1.2830 mg/L 0.00211 0.16%
QC value within limits for Cu 324.752 Recovery = 102.64%
Fe 273.955† 112554.3 5.2156 mg/L 0.01404 5.2156 mg/L 0.01404 0.27%
QC value within limits for Fe 273.955 Recovery = 104.31%
Mg 279.077† 402940.9 25.974 mg/L 0.1000 25.974 mg/L 0.1000 0.39%
QC value within limits for Mg 279.077 Recovery = 103.90%
Mn 257.610† 1347909.5 2.5593 mg/L 0.00747 2.5593 mg/L 0.00747 0.29%
QC value within limits for Mn 257.610 Recovery = 102.37%
Ni 231.604† 60377.0 2.5833 mg/L 0.00984 2.5833 mg/L 0.00984 0.38%
QC value within limits for Ni 231.604 Recovery = 103.33%
Pb 220.353† 2256.9 0.51468 mg/L 0.004731 0.51468 mg/L 0.004731 0.92%
QC value within limits for Pb 220.353 Recovery = 102.94%
Sb 206.836† 656.9 0.46716 mg/L 0.001816 0.46716 mg/L 0.001816 0.39%
QC value within limits for Sb 206.836 Recovery = 93.43%
Se 196.026† 298.5 0.52064 mg/L 0.012592 0.52064 mg/L 0.012592 2.42%
QC value within limits for Se 196.026 Recovery = 104.13%
Tl 190.801 490.7 0.48014 mg/L 0.003909 0.48014 mg/L 0.003909 0.81%
QC value within limits for Tl 190.801 Recovery = 96.03%
V 292.402† 295307.6 2.5724 mg/L 0.00355 2.5724 mg/L 0.00355 0.14%
QC value within limits for V 292.402 Recovery = 102.90%
Zn 206.200† 61803.5 2.6014 mg/L 0.01074 2.6014 mg/L 0.01074 0.41%
QC value within limits for Zn 206.200 Recovery = 104.05%
Cd 226.502† 10934.2 0.25523 mg/L 0.001482 0.25523 mg/L 0.001482 0.58%
QC value within limits for Cd 226.502 Recovery = 102.09%
Ti 334.940† 287554.3 0.49954 mg/L 0.001247 0.49954 mg/L 0.001247 0.25%
QC value within limits for Ti 334.940 Recovery = Not calculated
Ca 227.546† 4076.2 24.446 mg/L 0.1943 24.446 mg/L 0.1943 0.79%
QC value within limits for Ca 227.546 Recovery = 97.78%
Na 589.592 184556.7 26.366 mg/L 0.3833 26.366 mg/L 0.3833 1.45%
QC value within limits for Na 589.592 Recovery = 105.46%
K 766.490 54090.9 25.918 mg/L 0.3519 25.918 mg/L 0.3519 1.36%
QC value within limits for K 766.490 Recovery = 103.67%
All analyte(s) passed QC.

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Sequence No.: 6 **Autosampler Location: 4**
Sample ID: ICB **Date Collected: 7/16/2014 9:50:18 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:33 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1898339.0	100.56	%	0.883				0.88%
Lu 261.542	1231138.6	100.7	%	0.87				0.87%
Ag 328.068†	1816.0	0.01213	mg/L	0.000293	0.01213	mg/L	0.000293	2.41%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	49.6	0.00244	mg/L	0.005325	0.00244	mg/L	0.005325	218.54%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	1.4	0.00153	mg/L	0.001967	0.00153	mg/L	0.001967	128.64%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	67.0	0.00084	mg/L	0.000265	0.00084	mg/L	0.000265	31.35%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	64.1	0.00003	mg/L	0.000039	0.00003	mg/L	0.000039	136.65%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	9.5	0.00030	mg/L	0.000093	0.00030	mg/L	0.000093	30.66%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	2.4	0.00004	mg/L	0.000218	0.00004	mg/L	0.000218	601.58%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	103.8	0.00049	mg/L	0.000128	0.00049	mg/L	0.000128	26.30%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	64.6	0.00297	mg/L	0.001243	0.00297	mg/L	0.001243	41.89%
QC value within limits for Fe 273.955 Recovery = Not calculated								

Mg 279.077† 38.6 0.00249 mg/L 0.001348 0.00249 mg/L 0.001348 54.20%
QC value within limits for Mg 279.077 Recovery = Not calculated
Mn 257.610† 115.2 0.00022 mg/L 0.000070 0.00022 mg/L 0.000070 32.32%
QC value within limits for Mn 257.610 Recovery = Not calculated
Ni 231.604† 1.5 0.00007 mg/L 0.000170 0.00007 mg/L 0.000170 257.22%
QC value within limits for Ni 231.604 Recovery = Not calculated
Pb 220.353† -1.4 -0.00033 mg/L 0.001952 -0.00033 mg/L 0.001952 590.44%
QC value within limits for Pb 220.353 Recovery = Not calculated
Sb 206.836† 3.8 0.00274 mg/L 0.002186 0.00274 mg/L 0.002186 79.78%
QC value within limits for Sb 206.836 Recovery = Not calculated
Se 196.026† -0.8 -0.00133 mg/L 0.002728 -0.00133 mg/L 0.002728 205.27%
QC value within limits for Se 196.026 Recovery = Not calculated
Tl 190.801 -0.1 -0.00007 mg/L 0.004492 -0.00007 mg/L 0.004492 >999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated
V 292.402† 85.9 0.00075 mg/L 0.000057 0.00075 mg/L 0.000057 7.65%
QC value within limits for V 292.402 Recovery = Not calculated
Zn 206.200† 42.4 0.00178 mg/L 0.000230 0.00178 mg/L 0.000230 12.91%
QC value within limits for Zn 206.200 Recovery = Not calculated
Cd 226.502† 0.1 0.00000 mg/L 0.000088 0.00000 mg/L 0.000088 >999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated
Ti 334.940† 48.4 0.00008 mg/L 0.000076 0.00008 mg/L 0.000076 90.92%
QC value within limits for Ti 334.940 Recovery = Not calculated
Ca 227.546† -10.2 -0.06272 mg/L 0.096765 -0.06272 mg/L 0.096765 154.28%
QC value within limits for Ca 227.546 Recovery = Not calculated
Na 589.592 25.6 0.00366 mg/L 0.004863 0.00366 mg/L 0.004863 132.99%
QC value within limits for Na 589.592 Recovery = Not calculated
K 766.490 182.9 0.08763 mg/L 0.043713 0.08763 mg/L 0.043713 49.88%
QC value within limits for K 766.490 Recovery = Not calculated
All analyte(s) passed QC.

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Sequence No.: 7 **Autosampler Location: 2**
Sample ID: LLICV **Date Collected: 7/16/2014 9:53:57 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:34 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LLICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1865404.0	98.816	%	1.5857				1.60%
Lu 261.542	1211006.0	99.07	%	1.528				1.54%
Ag 328.068†	5572.3	0.03725	mg/L	0.001092	0.03725	mg/L	0.001092	2.93%
QC value within limits for Ag 328.068 Recovery = 124.18%								
Al 308.215†	4055.0	0.19809	mg/L	0.010488	0.19809	mg/L	0.010488	5.29%
QC value within limits for Al 308.215 Recovery = 99.04%								
As 188.979†	17.2	0.01933	mg/L	0.003604	0.01933	mg/L	0.003604	18.64%
QC value within limits for As 188.979 Recovery = 96.65%								
Ba 233.527†	16666.1	0.20990	mg/L	0.004314	0.20990	mg/L	0.004314	2.06%
QC value within limits for Ba 233.527 Recovery = 104.95%								
Be 313.107†	11554.9	0.00521	mg/L	0.000131	0.00521	mg/L	0.000131	2.52%
QC value within limits for Be 313.107 Recovery = 104.18%								
Co 228.616†	1581.9	0.05028	mg/L	0.000807	0.05028	mg/L	0.000807	1.60%
QC value within limits for Co 228.616 Recovery = 100.57%								
Cr 267.716†	1324.2	0.02029	mg/L	0.000493	0.02029	mg/L	0.000493	2.43%
QC value within limits for Cr 267.716 Recovery = 101.43%								
Cu 324.752†	6411.0	0.02995	mg/L	0.001036	0.02995	mg/L	0.001036	3.46%
QC value within limits for Cu 324.752 Recovery = 99.85%								
Fe 273.955†	4625.6	0.21238	mg/L	0.006154	0.21238	mg/L	0.006154	2.90%
QC value within limits for Fe 273.955 Recovery = 106.19%								
Mg 279.077†	7846.6	0.50586	mg/L	0.015073	0.50586	mg/L	0.015073	2.98%
QC value within limits for Mg 279.077 Recovery = 101.17%								
Mn 257.610†	27639.0	0.05248	mg/L	0.001217	0.05248	mg/L	0.001217	2.32%
QC value within limits for Mn 257.610 Recovery = 104.96%								
Ni 231.604†	1211.3	0.05182	mg/L	0.000932	0.05182	mg/L	0.000932	1.80%
QC value within limits for Ni 231.604 Recovery = 103.63%								
Pb 220.353†	58.3	0.01329	mg/L	0.002108	0.01329	mg/L	0.002108	15.87%
QC value greater than the upper limit for Pb 220.353 Recovery = 132.86%								
Sb 206.836†	30.5	0.02191	mg/L	0.002862	0.02191	mg/L	0.002862	13.06%

```
   QC value within limits for Sb 206.836  Recovery = 109.56%
Se 196.026†              15.0     0.02608 mg/L      0.008784     0.02608 mg/L      0.008784  33.68%
   QC value within limits for Se 196.026  Recovery = 86.93%
Tl 190.801               17.7     0.01795 mg/L      0.002627     0.01795 mg/L      0.002627  14.63%
   QC value within limits for Tl 190.801  Recovery = 89.77%
V 292.402†             5770.5     0.05027 mg/L      0.000669     0.05027 mg/L      0.000669   1.33%
   QC value within limits for V 292.402  Recovery = 100.53%
Zn 206.200†            1256.6     0.05289 mg/L      0.000922     0.05289 mg/L      0.000922   1.74%
   QC value within limits for Zn 206.200  Recovery = 105.78%
Cd 226.502†             228.6     0.00533 mg/L      0.000118     0.00533 mg/L      0.000118   2.22%
   QC value within limits for Cd 226.502  Recovery = 106.62%
Ti 334.940†           11157.8     0.01940 mg/L      0.000380     0.01940 mg/L      0.000380   1.96%
   QC value within limits for Ti 334.940  Recovery = 97.02%
Ca 227.546†             114.2     0.69084 mg/L      0.063560     0.69084 mg/L      0.063560   9.20%
   QC value within limits for Ca 227.546  Recovery = 86.35%
Na 589.592             7401.2      1.0575 mg/L       0.02591      1.0575 mg/L       0.02591   2.45%
   QC value within limits for Na 589.592  Recovery = 105.75%
K 766.490              2369.5      1.1354 mg/L       0.04234      1.1354 mg/L       0.04234   3.73%
   QC value within limits for K 766.490  Recovery = 113.54%
QC Failed.  Continue with analysis.
```

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Sequence No.: 8 **Autosampler Location: 2**
Sample ID: LLICV **Date Collected: 7/16/2014 9:59:36 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:35 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LLICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1857974.9	98.422	%	0.8847				0.90%
Lu 261.542	1206099.8	98.67	%	0.952				0.96%
Ag 328.068†	5110.8	0.03417	mg/L	0.000559	0.03417	mg/L	0.000559	1.64%
QC value within limits for Ag 328.068 Recovery = 113.91%								
Al 308.215†	4328.7	0.21149	mg/L	0.009361	0.21149	mg/L	0.009361	4.43%
QC value within limits for Al 308.215 Recovery = 105.75%								
As 188.979†	22.3	0.02499	mg/L	0.001977	0.02499	mg/L	0.001977	7.91%
QC value within limits for As 188.979 Recovery = 124.96%								
Ba 233.527†	17054.9	0.21480	mg/L	0.005118	0.21480	mg/L	0.005118	2.38%
QC value within limits for Ba 233.527 Recovery = 107.40%								
Be 313.107†	11809.3	0.00532	mg/L	0.000152	0.00532	mg/L	0.000152	2.86%
QC value within limits for Be 313.107 Recovery = 106.48%								
Co 228.616†	1588.8	0.05050	mg/L	0.000360	0.05050	mg/L	0.000360	0.71%
QC value within limits for Co 228.616 Recovery = 101.01%								
Cr 267.716†	1324.2	0.02029	mg/L	0.000220	0.02029	mg/L	0.000220	1.09%
QC value within limits for Cr 267.716 Recovery = 101.43%								
Cu 324.752†	6594.8	0.03081	mg/L	0.000584	0.03081	mg/L	0.000584	1.90%
QC value within limits for Cu 324.752 Recovery = 102.71%								
Fe 273.955†	4712.8	0.21639	mg/L	0.003805	0.21639	mg/L	0.003805	1.76%
QC value within limits for Fe 273.955 Recovery = 108.19%								
Mg 279.077†	7962.2	0.51331	mg/L	0.012246	0.51331	mg/L	0.012246	2.39%
QC value within limits for Mg 279.077 Recovery = 102.66%								
Mn 257.610†	28247.7	0.05364	mg/L	0.001301	0.05364	mg/L	0.001301	2.42%
QC value within limits for Mn 257.610 Recovery = 107.27%								
Ni 231.604†	1221.1	0.05224	mg/L	0.000669	0.05224	mg/L	0.000669	1.28%
QC value within limits for Ni 231.604 Recovery = 104.48%								
Pb 220.353†	44.0	0.01004	mg/L	0.001028	0.01004	mg/L	0.001028	10.24%
QC value within limits for Pb 220.353 Recovery = 100.39%								
Sb 206.836†	30.1	0.02168	mg/L	0.002470	0.02168	mg/L	0.002470	11.39%
QC value within limits for Sb 206.836 Recovery = 108.39%								
Se 196.026†	14.2	0.02469	mg/L	0.002473	0.02469	mg/L	0.002473	10.02%
QC value within limits for Se 196.026 Recovery = 82.31%								
Tl 190.801	17.5	0.01768	mg/L	0.003918	0.01768	mg/L	0.003918	22.16%
QC value within limits for Tl 190.801 Recovery = 88.40%								
V 292.402†	5913.7	0.05151	mg/L	0.001320	0.05151	mg/L	0.001320	2.56%
QC value within limits for V 292.402 Recovery = 103.02%								
Zn 206.200†	1256.2	0.05287	mg/L	0.000445	0.05287	mg/L	0.000445	0.84%
QC value within limits for Zn 206.200 Recovery = 105.74%								

Cd 226.502†	229.0	0.00534 mg/L	0.000154	0.00534 mg/L	0.000154	2.88%
QC value within limits for Cd 226.502 Recovery = 106.80%						
Ti 334.940†	11420.9	0.01986 mg/L	0.000417	0.01986 mg/L	0.000417	2.10%
QC value within limits for Ti 334.940 Recovery = 99.31%						
Ca 227.546†	115.2	0.69667 mg/L	0.065784	0.69667 mg/L	0.065784	9.44%
QC value within limits for Ca 227.546 Recovery = 87.08%						
Na 589.592	7381.5	1.0546 mg/L	0.02622	1.0546 mg/L	0.02622	2.49%
QC value within limits for Na 589.592 Recovery = 105.46%						
K 766.490	2357.6	1.1296 mg/L	0.03017	1.1296 mg/L	0.03017	2.67%
QC value within limits for K 766.490 Recovery = 112.96%						

All analyte(s) passed QC.

Sequence No.: 9 **Autosampler Location: 5**
Sample ID: ICSA **Date Collected: 7/16/2014 10:03:13 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:35 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1640863.2	86.921	%	1.0336				1.19%
Lu 261.542	1060609.0	86.77	%	1.051				1.21%
Ag 328.068†	-10.7	-0.00204	mg/L	0.000034	-0.00204	mg/L	0.000034	1.65%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	10972917.9	537.71	mg/L	0.323	537.71	mg/L	0.323	0.06%
QC value within limits for Al 308.215 Recovery = 107.54%								
As 188.979†	-36.5	-0.00682	mg/L	0.003861	-0.00682	mg/L	0.003861	56.63%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	323.3	0.00406	mg/L	0.000102	0.00406	mg/L	0.000102	2.51%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-45.7	-0.00003	mg/L	0.000023	-0.00003	mg/L	0.000023	80.44%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	74.5	0.00238	mg/L	0.000199	0.00238	mg/L	0.000199	8.37%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	129.7	0.00198	mg/L	0.000199	0.00198	mg/L	0.000199	10.05%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-3384.9	-0.00205	mg/L	0.000423	-0.00205	mg/L	0.000423	20.66%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	4311727.8	196.21	mg/L	0.215	196.21	mg/L	0.215	0.11%
QC value within limits for Fe 273.955 Recovery = 98.10%								
Mg 279.077†	7845740.4	505.80	mg/L	1.015	505.80	mg/L	1.015	0.20%
QC value within limits for Mg 279.077 Recovery = 101.16%								
Mn 257.610†	-459.9	-0.00929	mg/L	0.000232	-0.00929	mg/L	0.000232	2.50%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	38.2	-0.00194	mg/L	0.000194	-0.00194	mg/L	0.000194	10.00%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-180.2	0.00651	mg/L	0.001704	0.00651	mg/L	0.001704	26.17%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	1.9	-0.01579	mg/L	0.004829	-0.01579	mg/L	0.004829	30.58%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-41.8	0.02413	mg/L	0.000670	0.02413	mg/L	0.000670	2.78%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	-22.5	0.01012	mg/L	0.002798	0.01012	mg/L	0.002798	27.66%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-1103.7	0.00188	mg/L	0.000107	0.00188	mg/L	0.000107	5.68%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	270.9	-0.00368	mg/L	0.000420	-0.00368	mg/L	0.000420	11.43%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	635.1	0.00631	mg/L	0.000279	0.00631	mg/L	0.000279	4.43%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	-2398.2	-0.01650	mg/L	0.000059	-0.01650	mg/L	0.000059	0.36%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	90840.3	559.49	mg/L	3.507	559.49	mg/L	3.507	0.63%
QC value within limits for Ca 227.546 Recovery = 111.90%								
Na 589.592	1479.0	-0.07897	mg/L	0.006998	-0.07897	mg/L	0.006998	8.86%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	96.2	0.04610	mg/L	0.045799	0.04610	mg/L	0.045799	99.34%

QC value within limits for K 766.490 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 6**
Sample ID: ICSAB **Date Collected: 7/16/2014 10:06:56 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:36 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1633922.1	86.553	%	0.1785				0.21%
Lu 261.542	1056485.2	86.43	%	0.122				0.14%
Ag 328.068†	35708.5	0.23691	mg/L	0.000886	0.23691	mg/L	0.000886	0.37%
QC value within limits for Ag 328.068 Recovery = 118.46%								
Al 308.215†	11036491.5	540.82	mg/L	1.489	540.82	mg/L	1.489	0.28%
QC value within limits for Al 308.215 Recovery = 108.16%								
As 188.979†	54.8	0.09897	mg/L	0.004106	0.09897	mg/L	0.004106	4.15%
QC value within limits for As 188.979 Recovery = 98.97%								
Ba 233.527†	43151.0	0.54392	mg/L	0.002568	0.54392	mg/L	0.002568	0.47%
QC value within limits for Ba 233.527 Recovery = 108.78%								
Be 313.107†	1166600.4	0.52230	mg/L	0.001272	0.52230	mg/L	0.001272	0.24%
QC value within limits for Be 313.107 Recovery = 104.46%								
Co 228.616†	15073.6	0.47945	mg/L	0.001174	0.47945	mg/L	0.001174	0.24%
QC value within limits for Co 228.616 Recovery = 95.89%								
Cr 267.716†	33435.9	0.51217	mg/L	0.001087	0.51217	mg/L	0.001087	0.21%
QC value within limits for Cr 267.716 Recovery = 102.43%								
Cu 324.752†	114031.8	0.54635	mg/L	0.002807	0.54635	mg/L	0.002807	0.51%
QC value within limits for Cu 324.752 Recovery = 109.27%								
Fe 273.955†	4343665.5	197.68	mg/L	0.599	197.68	mg/L	0.599	0.30%
QC value within limits for Fe 273.955 Recovery = 98.84%								
Mg 279.077†	7869223.6	507.31	mg/L	1.788	507.31	mg/L	1.788	0.35%
QC value within limits for Mg 279.077 Recovery = 101.46%								
Mn 257.610†	274720.6	0.51327	mg/L	0.001759	0.51327	mg/L	0.001759	0.34%
QC value within limits for Mn 257.610 Recovery = 102.65%								
Ni 231.604†	22037.7	0.93944	mg/L	0.001508	0.93944	mg/L	0.001508	0.16%
QC value within limits for Ni 231.604 Recovery = 93.94%								
Pb 220.353†	2038.9	0.51204	mg/L	0.001027	0.51204	mg/L	0.001027	0.20%
QC value within limits for Pb 220.353 Recovery = 102.41%								
Sb 206.836†	895.7	0.62647	mg/L	0.004911	0.62647	mg/L	0.004911	0.78%
QC value within limits for Sb 206.836 Recovery = 104.41%								
Se 196.026†	245.8	0.52398	mg/L	0.007468	0.52398	mg/L	0.007468	1.43%
QC value within limits for Se 196.026 Recovery = 104.80%								
Tl 190.801	53.8	0.08319	mg/L	0.003796	0.08319	mg/L	0.003796	4.56%
QC value within limits for Tl 190.801 Recovery = 83.19%								
V 292.402†	58844.7	0.52487	mg/L	0.001593	0.52487	mg/L	0.001593	0.30%
QC value within limits for V 292.402 Recovery = 104.97%								
Zn 206.200†	23031.5	0.95477	mg/L	0.003262	0.95477	mg/L	0.003262	0.34%
QC value within limits for Zn 206.200 Recovery = 95.48%								
Cd 226.502†	43333.5	1.0006	mg/L	0.00499	1.0006	mg/L	0.00499	0.50%
QC value within limits for Cd 226.502 Recovery = 100.06%								
Ti 334.940†	-2321.9	-0.01657	mg/L	0.000167	-0.01657	mg/L	0.000167	1.01%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	90677.5	558.37	mg/L	2.456	558.37	mg/L	2.456	0.44%
QC value within limits for Ca 227.546 Recovery = 111.67%								
Na 589.592	183253.2	25.893	mg/L	0.4219	25.893	mg/L	0.4219	1.63%
QC value within limits for Na 589.592 Recovery = 103.57%								
K 766.490	54664.9	26.193	mg/L	0.3834	26.193	mg/L	0.3834	1.46%
QC value within limits for K 766.490 Recovery = 104.77%								

All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 10:10:38 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:37 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**

Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1836116.8	97.264	%	0.4582				0.47%
Lu 261.542	1197878.0	98.00	%	0.438				0.45%
Ag 328.068†	197686.1	1.3222	mg/L	0.00236	1.3222	mg/L	0.00236	0.18%
QC value within limits for Ag 328.068 Recovery = 105.78%								
Al 308.215†	208703.7	10.199	mg/L	0.0154	10.199	mg/L	0.0154	0.15%
QC value within limits for Al 308.215 Recovery = 101.99%								
As 188.979†	451.4	0.51024	mg/L	0.002724	0.51024	mg/L	0.002724	0.53%
QC value within limits for As 188.979 Recovery = 102.05%								
Ba 233.527†	807170.2	10.166	mg/L	0.0236	10.166	mg/L	0.0236	0.23%
QC value within limits for Ba 233.527 Recovery = 101.66%								
Be 313.107†	553663.5	0.24883	mg/L	0.000493	0.24883	mg/L	0.000493	0.20%
QC value within limits for Be 313.107 Recovery = 99.53%								
Co 228.616†	76657.4	2.4376	mg/L	0.00914	2.4376	mg/L	0.00914	0.38%
QC value within limits for Co 228.616 Recovery = 97.50%								
Cr 267.716†	64134.3	0.98252	mg/L	0.000906	0.98252	mg/L	0.000906	0.09%
QC value within limits for Cr 267.716 Recovery = 98.25%								
Cu 324.752†	268623.1	1.2549	mg/L	0.00163	1.2549	mg/L	0.00163	0.13%
QC value within limits for Cu 324.752 Recovery = 100.39%								
Fe 273.955†	109845.2	5.0903	mg/L	0.02019	5.0903	mg/L	0.02019	0.40%
QC value within limits for Fe 273.955 Recovery = 101.81%								
Mg 279.077†	396117.5	25.534	mg/L	0.0334	25.534	mg/L	0.0334	0.13%
QC value within limits for Mg 279.077 Recovery = 102.14%								
Mn 257.610†	1327767.4	2.5210	mg/L	0.00685	2.5210	mg/L	0.00685	0.27%
QC value within limits for Mn 257.610 Recovery = 100.84%								
Ni 231.604†	58993.6	2.5241	mg/L	0.01137	2.5241	mg/L	0.01137	0.45%
QC value within limits for Ni 231.604 Recovery = 100.96%								
Pb 220.353†	2162.2	0.49310	mg/L	0.002516	0.49310	mg/L	0.002516	0.51%
QC value within limits for Pb 220.353 Recovery = 98.62%								
Sb 206.836†	635.5	0.45185	mg/L	0.008199	0.45185	mg/L	0.008199	1.81%
QC value within limits for Sb 206.836 Recovery = 90.37%								
Se 196.026†	289.7	0.50529	mg/L	0.012267	0.50529	mg/L	0.012267	2.43%
QC value within limits for Se 196.026 Recovery = 101.06%								
Tl 190.801	482.7	0.47247	mg/L	0.004619	0.47247	mg/L	0.004619	0.98%
QC value within limits for Tl 190.801 Recovery = 94.49%								
V 292.402†	289021.6	2.5177	mg/L	0.00388	2.5177	mg/L	0.00388	0.15%
QC value within limits for V 292.402 Recovery = 100.71%								
Zn 206.200†	60209.3	2.5343	mg/L	0.00890	2.5343	mg/L	0.00890	0.35%
QC value within limits for Zn 206.200 Recovery = 101.37%								
Cd 226.502†	10702.6	0.24982	mg/L	0.001220	0.24982	mg/L	0.001220	0.49%
QC value within limits for Cd 226.502 Recovery = 99.93%								
Ti 334.940†	281614.8	0.48922	mg/L	0.000177	0.48922	mg/L	0.000177	0.04%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	3943.1	23.643	mg/L	0.1523	23.643	mg/L	0.1523	0.64%
QC value within limits for Ca 227.546 Recovery = 94.57%								
Na 589.592	183662.9	26.238	mg/L	0.2020	26.238	mg/L	0.2020	0.77%
QC value within limits for Na 589.592 Recovery = 104.95%								
K 766.490	54075.4	25.910	mg/L	0.2154	25.910	mg/L	0.2154	0.83%
QC value within limits for K 766.490 Recovery = 103.64%								

All analyte(s) passed QC.

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Sequence No.: 12 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 10:14:21 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:38 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1845488.4	97.761	%	0.2117				0.22%
Lu 261.542	1204829.4	98.57	%	0.137				0.14%
Ag 328.068†	100.0	0.00067	mg/L	0.000332	0.00067	mg/L	0.000332	49.61%

QC value within limits for Ag 328.068 Recovery = Not calculated
Al 308.215† 264.5 0.01295 mg/L 0.003426 0.01295 mg/L 0.003426 26.46%
QC value within limits for Al 308.215 Recovery = Not calculated
As 188.979† -0.8 -0.00092 mg/L 0.002001 -0.00092 mg/L 0.002001 216.59%
QC value within limits for As 188.979 Recovery = Not calculated
Ba 233.527† 178.8 0.00225 mg/L 0.000796 0.00225 mg/L 0.000796 35.35%
QC value within limits for Ba 233.527 Recovery = Not calculated
Be 313.107† 149.0 0.00007 mg/L 0.000020 0.00007 mg/L 0.000020 29.17%
QC value within limits for Be 313.107 Recovery = Not calculated
Co 228.616† 15.6 0.00050 mg/L 0.000304 0.00050 mg/L 0.000304 61.22%
QC value within limits for Co 228.616 Recovery = Not calculated
Cr 267.716† 10.1 0.00015 mg/L 0.000139 0.00015 mg/L 0.000139 89.93%
QC value within limits for Cr 267.716 Recovery = Not calculated
Cu 324.752† 142.1 0.00066 mg/L 0.000276 0.00066 mg/L 0.000276 41.54%
QC value within limits for Cu 324.752 Recovery = Not calculated
Fe 273.955† 122.3 0.00560 mg/L 0.000536 0.00560 mg/L 0.000536 9.58%
QC value within limits for Fe 273.955 Recovery = Not calculated
Mg 279.077† 176.0 0.01135 mg/L 0.001672 0.01135 mg/L 0.001672 14.74%
QC value within limits for Mg 279.077 Recovery = Not calculated
Mn 257.610† 295.1 0.00056 mg/L 0.000190 0.00056 mg/L 0.000190 33.82%
QC value within limits for Mn 257.610 Recovery = Not calculated
Ni 231.604† 13.3 0.00057 mg/L 0.000095 0.00057 mg/L 0.000095 16.62%
QC value within limits for Ni 231.604 Recovery = Not calculated
Pb 220.353† 3.2 0.00074 mg/L 0.000550 0.00074 mg/L 0.000550 74.57%
QC value within limits for Pb 220.353 Recovery = Not calculated
Sb 206.836† 8.3 0.00598 mg/L 0.002583 0.00598 mg/L 0.002583 43.18%
QC value within limits for Sb 206.836 Recovery = Not calculated
Se 196.026† -1.6 -0.00282 mg/L 0.007617 -0.00282 mg/L 0.007617 270.34%
QC value within limits for Se 196.026 Recovery = Not calculated
Tl 190.801 -2.7 -0.00288 mg/L 0.002327 -0.00288 mg/L 0.002327 80.92%
QC value within limits for Tl 190.801 Recovery = Not calculated
V 292.402† 95.8 0.00083 mg/L 0.000197 0.00083 mg/L 0.000197 23.59%
QC value within limits for V 292.402 Recovery = Not calculated
Zn 206.200† 52.8 0.00222 mg/L 0.000467 0.00222 mg/L 0.000467 21.05%
QC value within limits for Zn 206.200 Recovery = Not calculated
Cd 226.502† 6.4 0.00015 mg/L 0.000044 0.00015 mg/L 0.000044 29.35%
QC value within limits for Cd 226.502 Recovery = Not calculated
Ti 334.940† 87.3 0.00015 mg/L 0.000018 0.00015 mg/L 0.000018 11.97%
QC value within limits for Ti 334.940 Recovery = Not calculated
Ca 227.546† 4.5 0.02768 mg/L 0.076408 0.02768 mg/L 0.076408 276.08%
QC value within limits for Ca 227.546 Recovery = Not calculated
Na 589.592 135.9 0.01941 mg/L 0.005950 0.01941 mg/L 0.005950 30.65%
QC value within limits for Na 589.592 Recovery = Not calculated
K 766.490 80.3 0.03848 mg/L 0.041382 0.03848 mg/L 0.041382 107.55%
QC value within limits for K 766.490 Recovery = Not calculated
All analyte(s) passed QC.

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Sequence No.: 13 **Autosampler Location: 98**
Sample ID: MB-78071~PBW **Date Collected: 7/16/2014 10:17:59 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:39 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: MB-78071~PBW

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1848488.4	97.920	%	1.3328				1.36%
Lu 261.542	1200271.5	98.20	%	1.333				1.36%
Ag 328.068†	128.8	0.00086	mg/L	0.000893	0.00086	mg/L	0.000893	103.74%
Al 308.215†	241.9	0.01185	mg/L	0.009053	0.01185	mg/L	0.009053	76.42%
As 188.979†	-2.6	-0.00293	mg/L	0.002063	-0.00293	mg/L	0.002063	70.30%
Ba 233.527†	122.8	0.00155	mg/L	0.000068	0.00155	mg/L	0.000068	4.43%
Be 313.107†	35.3	0.00002	mg/L	0.000016	0.00002	mg/L	0.000016	98.48%
Co 228.616†	3.7	0.00012	mg/L	0.000152	0.00012	mg/L	0.000152	127.55%
Cr 267.716†	1.3	0.00002	mg/L	0.000060	0.00002	mg/L	0.000060	312.98%
Cu 324.752†	133.0	0.00062	mg/L	0.000227	0.00062	mg/L	0.000227	36.53%
Fe 273.955†	356.5	0.01626	mg/L	0.000330	0.01626	mg/L	0.000330	2.03%
Mg 279.077†	50.0	0.00323	mg/L	0.004771	0.00323	mg/L	0.004771	147.54%

Mn 257.610†	451.7	0.00086	mg/L	0.000015	0.00086	mg/L	0.000015 1.73%
Ni 231.604†	-2.3	-0.00010	mg/L	0.000125	-0.00010	mg/L	0.000125 130.43%
Pb 220.353†	2.5	0.00058	mg/L	0.002494	0.00058	mg/L	0.002494 431.23%
Sb 206.836†	6.0	0.00433	mg/L	0.001547	0.00433	mg/L	0.001547 35.72%
Se 196.026†	-3.0	-0.00524	mg/L	0.005891	-0.00524	mg/L	0.005891 112.34%
Tl 190.801	-1.5	-0.00161	mg/L	0.002747	-0.00161	mg/L	0.002747 170.88%
V 292.402†	103.5	0.00090	mg/L	0.000231	0.00090	mg/L	0.000231 25.61%
Zn 206.200†	115.0	0.00484	mg/L	0.000172	0.00484	mg/L	0.000172 3.56%
Cd 226.502†	-3.2	-0.00008	mg/L	0.000188	-0.00008	mg/L	0.000188 251.00%
Ti 334.940†	26.3	0.00005	mg/L	0.000062	0.00005	mg/L	0.000062 134.54%
Ca 227.546†	3.8	0.02371	mg/L	0.086234	0.02371	mg/L	0.086234 363.74%
Na 589.592	71.0	0.01014	mg/L	0.014410	0.01014	mg/L	0.014410 142.04%
K 766.490	68.6	0.03288	mg/L	0.041105	0.03288	mg/L	0.041105 125.03%

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Sequence No.: 14 **Autosampler Location: 99**
Sample ID: LCS-78071~LCS **Date Collected: 7/16/2014 10:21:40 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:40 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LCS-78071~LCS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1822943.7	96.566	%	0.4399				0.46%
Lu 261.542	1188298.0	97.22	%	0.392				0.40%
Ag 328.068†	186675.9	1.2486	mg/L	0.00044	1.2486	mg/L	0.00044	0.04%
Al 308.215†	190588.8	9.3127	mg/L	0.01176	9.3127	mg/L	0.01176	0.13%
As 188.979†	435.6	0.49250	mg/L	0.005995	0.49250	mg/L	0.005995	1.22%
Ba 233.527†	760125.1	9.5734	mg/L	0.00677	9.5734	mg/L	0.00677	0.07%
Be 313.107†	528675.5	0.23678	mg/L	0.000464	0.23678	mg/L	0.000464	0.20%
Co 228.616†	74135.1	2.3583	mg/L	0.02377	2.3583	mg/L	0.02377	1.01%
Cr 267.716†	62006.3	0.94990	mg/L	0.009488	0.94990	mg/L	0.009488	1.00%
Cu 324.752†	253838.1	1.1858	mg/L	0.00152	1.1858	mg/L	0.00152	0.13%
Fe 273.955†	105834.7	4.9019	mg/L	0.04362	4.9019	mg/L	0.04362	0.89%
Mg 279.077†	368576.6	23.759	mg/L	0.0304	23.759	mg/L	0.0304	0.13%
Mn 257.610†	1258571.2	2.3897	mg/L	0.00402	2.3897	mg/L	0.00402	0.17%
Ni 231.604†	55079.3	2.3569	mg/L	0.02457	2.3569	mg/L	0.02457	1.04%
Pb 220.353†	2118.2	0.48275	mg/L	0.000623	0.48275	mg/L	0.000623	0.13%
Sb 206.836†	677.9	0.48245	mg/L	0.003929	0.48245	mg/L	0.003929	0.81%
Se 196.026†	278.9	0.48662	mg/L	0.006648	0.48662	mg/L	0.006648	1.37%
Tl 190.801	465.9	0.45707	mg/L	0.004943	0.45707	mg/L	0.004943	1.08%
V 292.402†	269728.6	2.3502	mg/L	0.00398	2.3502	mg/L	0.00398	0.17%
Zn 206.200†	56131.5	2.3627	mg/L	0.02122	2.3627	mg/L	0.02122	0.90%
Cd 226.502†	10467.5	0.24430	mg/L	0.003607	0.24430	mg/L	0.003607	1.48%
Ti 334.940†	505.3	0.00003	mg/L	0.000020	0.00003	mg/L	0.000020	73.44%
Ca 227.546†	3785.1	22.700	mg/L	0.0403	22.700	mg/L	0.0403	0.18%
Na 589.592	173268.2	24.754	mg/L	0.1800	24.754	mg/L	0.1800	0.73%
K 766.490	51066.2	24.468	mg/L	0.2326	24.468	mg/L	0.2326	0.95%

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Sequence No.: 15 **Autosampler Location: 100**
Sample ID: N1200-01C~(211) MW-B **Date Collected: 7/16/2014 10:25:22 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:40 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-01C~(211) MW-B

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1699547.4	90.030	%	0.4988				0.55%
Lu 261.542	1117605.9	91.43	%	0.507				0.55%
Ag 328.068†	19.9	0.00013	mg/L	0.000201	0.00013	mg/L	0.000201	151.12%
Al 308.215†	1944.4	0.02840	mg/L	0.007374	0.02840	mg/L	0.007374	25.97%
As 188.979†	-8.6	-0.00395	mg/L	0.005570	-0.00395	mg/L	0.005570	141.06%
Ba 233.527†	48886.9	0.61553	mg/L	0.004561	0.61553	mg/L	0.004561	0.74%
Be 313.107†	29.2	0.00001	mg/L	0.000041	0.00001	mg/L	0.000041	651.90%

Co 228.616†	-3.5	-0.00010	mg/L	0.000092	-0.00010	mg/L	0.000092	88.90%
Cr 267.716†	91.5	0.00086	mg/L	0.000142	0.00086	mg/L	0.000142	16.45%
Cu 324.752†	460.7	0.00216	mg/L	0.000246	0.00216	mg/L	0.000246	11.37%
Fe 273.955†	3440.5	0.15572	mg/L	0.001010	0.15572	mg/L	0.001010	0.65%
Mg 279.077†	318231.9	20.512	mg/L	0.1763	20.512	mg/L	0.1763	0.86%
Mn 257.610†	777702.9	1.4792	mg/L	0.01185	1.4792	mg/L	0.01185	0.80%
Ni 231.604†	14.2	0.00046	mg/L	0.000415	0.00046	mg/L	0.000415	89.57%
Pb 220.353†	-13.8	-0.00022	mg/L	0.001244	-0.00022	mg/L	0.001244	561.56%
Sb 206.836†	-0.9	0.00269	mg/L	0.001994	0.00269	mg/L	0.001994	74.09%
Se 196.026†	3.8	0.00797	mg/L	0.008617	0.00797	mg/L	0.008617	108.07%
Tl 190.801	1.5	0.00762	mg/L	0.003881	0.00762	mg/L	0.003881	50.94%
V 292.402†	180.8	0.00159	mg/L	0.000247	0.00159	mg/L	0.000247	15.53%
Zn 206.200†	148.8	0.00625	mg/L	0.000364	0.00625	mg/L	0.000364	5.81%
Cd 226.502†	-7.0	-0.00017	mg/L	0.000114	-0.00017	mg/L	0.000114	67.22%
Ti 334.940†	-2253.2	-0.00064	mg/L	0.000046	-0.00064	mg/L	0.000046	7.25%
Ca 227.546†	47790.3	293.14	mg/L	2.115	293.14	mg/L	2.115	0.72%
Na 589.592	2464800.5	352.20	mg/L	4.498	352.20	mg/L	4.498	1.28%
K 766.490	14039.5	6.7271	mg/L	0.17155	6.7271	mg/L	0.17155	2.55%

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Sequence No.: 16 **Autosampler Location: 101**
Sample ID: N1200-02C~(211) MW-D **Date Collected: 7/16/2014 10:29:04 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:41 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-02C~(211) MW-D

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1740211.8	92.184	%	0.9483				1.03%
Lu 261.542	1145240.3	93.69	%	0.884				0.94%
Ag 328.068†	50.8	0.00033	mg/L	0.000129	0.00033	mg/L	0.000129	38.63%
Al 308.215†	748.6	0.00087	mg/L	0.006091	0.00087	mg/L	0.006091	701.01%
As 188.979†	-1.5	0.00134	mg/L	0.003895	0.00134	mg/L	0.003895	291.67%
Ba 233.527†	20566.7	0.25895	mg/L	0.000113	0.25895	mg/L	0.000113	0.04%
Be 313.107†	-37.3	-0.00002	mg/L	0.000027	-0.00002	mg/L	0.000027	130.64%
Co 228.616†	0.5	0.00002	mg/L	0.000218	0.00002	mg/L	0.000218	978.30%
Cr 267.716†	35.4	0.00027	mg/L	0.000134	0.00027	mg/L	0.000134	49.47%
Cu 324.752†	346.4	0.00166	mg/L	0.000442	0.00166	mg/L	0.000442	26.54%
Fe 273.955†	14592.4	0.66327	mg/L	0.002102	0.66327	mg/L	0.002102	0.32%
Mg 279.077†	366340.6	23.613	mg/L	0.0206	23.613	mg/L	0.0206	0.09%
Mn 257.610†	395585.2	0.75196	mg/L	0.000496	0.75196	mg/L	0.000496	0.07%
Ni 231.604†	13.9	0.00043	mg/L	0.000130	0.00043	mg/L	0.000130	30.42%
Pb 220.353†	-0.6	0.00136	mg/L	0.001405	0.00136	mg/L	0.001405	103.39%
Sb 206.836†	-0.9	0.00135	mg/L	0.004456	0.00135	mg/L	0.004456	329.60%
Se 196.026†	-3.3	-0.00516	mg/L	0.000911	-0.00516	mg/L	0.000911	17.67%
Tl 190.801	-3.7	-0.00048	mg/L	0.004920	-0.00048	mg/L	0.004920	>999.9%
V 292.402†	118.1	0.00107	mg/L	0.000042	0.00107	mg/L	0.000042	3.92%
Zn 206.200†	112.5	0.00471	mg/L	0.000112	0.00471	mg/L	0.000112	2.38%
Cd 226.502†	-7.5	-0.00020	mg/L	0.000117	-0.00020	mg/L	0.000117	57.63%
Ti 334.940†	-1407.9	-0.00125	mg/L	0.000070	-0.00125	mg/L	0.000070	5.63%
Ca 227.546†	24941.8	152.99	mg/L	0.317	152.99	mg/L	0.317	0.21%
Na 589.592	813682.6	116.27	mg/L	1.850	116.27	mg/L	1.850	1.59%
K 766.490	10712.5	5.1329	mg/L	0.06772	5.1329	mg/L	0.06772	1.32%

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Sequence No.: 17 **Autosampler Location: 102**
Sample ID: N1200-03C~(211) MW-E **Date Collected: 7/16/2014 10:32:40 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:42 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-03C~(211) MW-E

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1752993.5	92.861	%	1.7314				1.86%
Lu 261.542	1154227.0	94.43	%	1.828				1.94%

Ag 328.068†	54.4	0.00036	mg/L	0.000751	0.00036	mg/L	0.000751 207.01%
Al 308.215†	1680.8	0.05321	mg/L	0.004093	0.05321	mg/L	0.004093 7.69%
As 188.979†	-3.0	-0.00087	mg/L	0.002640	-0.00087	mg/L	0.002640 303.18%
Ba 233.527†	16423.3	0.20678	mg/L	0.000562	0.20678	mg/L	0.000562 0.27%
Be 313.107†	-14.8	-0.00001	mg/L	0.000015	-0.00001	mg/L	0.000015 164.45%
Co 228.616†	-12.6	-0.00040	mg/L	0.000125	-0.00040	mg/L	0.000125 31.45%
Cr 267.716†	58.8	0.00090	mg/L	0.000077	0.00090	mg/L	0.000077 8.53%
Cu 324.752†	453.6	0.00213	mg/L	0.000098	0.00213	mg/L	0.000098 4.60%
Fe 273.955†	2440.9	0.11016	mg/L	0.001503	0.11016	mg/L	0.001503 1.36%
Mg 279.077†	326000.0	21.012	mg/L	0.0460	21.012	mg/L	0.0460 0.22%
Mn 257.610†	3132.8	0.00639	mg/L	0.000091	0.00639	mg/L	0.000091 1.42%
Ni 231.604†	-0.7	-0.00018	mg/L	0.000179	-0.00018	mg/L	0.000179 100.48%
Pb 220.353†	-4.5	0.00022	mg/L	0.000082	0.00022	mg/L	0.000082 37.68%
Sb 206.836†	-6.7	-0.00325	mg/L	0.001250	-0.00325	mg/L	0.001250 38.51%
Se 196.026†	-1.0	-0.00121	mg/L	0.008500	-0.00121	mg/L	0.008500 700.90%
Tl 190.801	3.3	0.00713	mg/L	0.004135	0.00713	mg/L	0.004135 57.98%
V 292.402†	83.6	0.00074	mg/L	0.000060	0.00074	mg/L	0.000060 8.16%
Zn 206.200†	108.1	0.00454	mg/L	0.000300	0.00454	mg/L	0.000300 6.61%
Cd 226.502†	-2.7	-0.00007	mg/L	0.000077	-0.00007	mg/L	0.000077 113.27%
Ti 334.940†	-853.3	-0.00059	mg/L	0.000135	-0.00059	mg/L	0.000135 23.01%
Ca 227.546†	20224.3	124.05	mg/L	0.278	124.05	mg/L	0.278 0.22%
Na 589.592	872195.9	124.63	mg/L	1.072	124.63	mg/L	1.072 0.86%
K 766.490	7865.5	3.7688	mg/L	0.06276	3.7688	mg/L	0.06276 1.67%

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Sequence No.: 18 **Autosampler Location: 103**
Sample ID: N1200-04C~(211) MW-F **Date Collected: 7/16/2014 10:36:20 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:42 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-04C~(211) MW-F

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1687882.6	89.412	%	0.5274				0.59%
Lu 261.542	1103705.6	90.30	%	0.615				0.68%
Ag 328.068†	-37.3	-0.00025	mg/L	0.000289	-0.00025	mg/L	0.000289	113.54%
Al 308.215†	3181.0	0.05103	mg/L	0.003063	0.05103	mg/L	0.003063	6.00%
As 188.979†	-10.2	-0.00208	mg/L	0.002651	-0.00208	mg/L	0.002651	127.20%
Ba 233.527†	2332.2	0.02937	mg/L	0.000339	0.02937	mg/L	0.000339	1.16%
Be 313.107†	-14.1	-0.00002	mg/L	0.000004	-0.00002	mg/L	0.000004	26.25%
Co 228.616†	10.7	0.00035	mg/L	0.000238	0.00035	mg/L	0.000238	67.83%
Cr 267.716†	56.6	0.00059	mg/L	0.000196	0.00059	mg/L	0.000196	33.27%
Cu 324.752†	721.4	0.00341	mg/L	0.000141	0.00341	mg/L	0.000141	4.12%
Fe 273.955†	12801.1	0.58184	mg/L	0.003151	0.58184	mg/L	0.003151	0.54%
Mg 279.077†	323077.9	20.824	mg/L	0.0719	20.824	mg/L	0.0719	0.35%
Mn 257.610†	403307.4	0.76983	mg/L	0.002941	0.76983	mg/L	0.002941	0.38%
Ni 231.604†	38.7	0.00151	mg/L	0.000266	0.00151	mg/L	0.000266	17.66%
Pb 220.353†	-1.6	0.00426	mg/L	0.000542	0.00426	mg/L	0.000542	12.74%
Sb 206.836†	-4.9	0.00146	mg/L	0.001603	0.00146	mg/L	0.001603	109.60%
Se 196.026†	2.7	0.00827	mg/L	0.015714	0.00827	mg/L	0.015714	189.96%
Tl 190.801	3.5	0.01552	mg/L	0.005211	0.01552	mg/L	0.005211	33.57%
V 292.402†	117.5	0.00106	mg/L	0.000111	0.00106	mg/L	0.000111	10.47%
Zn 206.200†	19448.0	0.81771	mg/L	0.002372	0.81771	mg/L	0.002372	0.29%
Cd 226.502†	24.2	0.00054	mg/L	0.000176	0.00054	mg/L	0.000176	32.68%
Ti 334.940†	-3092.8	0.00027	mg/L	0.000114	0.00027	mg/L	0.000114	42.43%
Ca 227.546†	75509.0	463.16	mg/L	2.507	463.16	mg/L	2.507	0.54%
Na 589.592	859239.7	122.78	mg/L	3.724	122.78	mg/L	3.724	3.03%
K 766.490	7893.1	3.7820	mg/L	0.08761	3.7820	mg/L	0.08761	2.32%

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Sequence No.: 19 **Autosampler Location: 104**
Sample ID: N1200-05C~(211) MW-G **Date Collected: 7/16/2014 10:40:02 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:43 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-05C~(211) MW-G

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1752079.7	92.813	%	0.7247				0.78%
Lu 261.542	1141325.7	93.37	%	0.759				0.81%
Ag 328.068†	-50.7	-0.00036	mg/L	0.000530	-0.00036	mg/L	0.000530	149.16%
Al 308.215†	2703.2	0.05418	mg/L	0.002385	0.05418	mg/L	0.002385	4.40%
As 188.979†	-10.2	-0.00449	mg/L	0.004004	-0.00449	mg/L	0.004004	89.11%
Ba 233.527†	33909.5	0.42695	mg/L	0.004664	0.42695	mg/L	0.004664	1.09%
Be 313.107†	18.5	0.00000	mg/L	0.000031	0.00000	mg/L	0.000031	>999.9%
Co 228.616†	2.2	0.00008	mg/L	0.000130	0.00008	mg/L	0.000130	166.75%
Cr 267.716†	75.5	0.00077	mg/L	0.000100	0.00077	mg/L	0.000100	12.90%
Cu 324.752†	348.0	0.00175	mg/L	0.000275	0.00175	mg/L	0.000275	15.70%
Fe 273.955†	39272.3	1.7865	mg/L	0.02051	1.7865	mg/L	0.02051	1.15%
Mg 279.077†	500148.0	32.238	mg/L	0.1185	32.238	mg/L	0.1185	0.37%
Mn 257.610†	556305.4	1.0588	mg/L	0.00424	1.0588	mg/L	0.00424	0.40%
Ni 231.604†	12.3	0.00030	mg/L	0.000136	0.00030	mg/L	0.000136	45.57%
Pb 220.353†	0.2	0.00337	mg/L	0.000592	0.00337	mg/L	0.000592	17.54%
Sb 206.836†	-4.6	0.00062	mg/L	0.000974	0.00062	mg/L	0.000974	156.35%
Se 196.026†	-5.4	-0.00704	mg/L	0.016338	-0.00704	mg/L	0.016338	232.15%
Tl 190.801	4.7	0.01339	mg/L	0.001620	0.01339	mg/L	0.001620	12.10%
V 292.402†	129.5	0.00124	mg/L	0.000181	0.00124	mg/L	0.000181	14.58%
Zn 206.200†	137.7	0.00574	mg/L	0.000302	0.00574	mg/L	0.000302	5.26%
Cd 226.502†	-0.8	-0.00009	mg/L	0.000228	-0.00009	mg/L	0.000228	240.33%
Ti 334.940†	-2552.9	-0.00096	mg/L	0.000106	-0.00096	mg/L	0.000106	11.07%
Ca 227.546†	55527.3	340.61	mg/L	3.933	340.61	mg/L	3.933	1.15%
Na 589.592	1060695.5	151.56	mg/L	1.530	151.56	mg/L	1.530	1.01%
K 766.490	19334.2	9.2641	mg/L	0.11370	9.2641	mg/L	0.11370	1.23%

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Sequence No.: 20 **Autosampler Location: 105**
Sample ID: N1200-06C~(211) MW-H **Date Collected: 7/16/2014 10:43:51 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:44 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-06C~(211) MW-H

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1649323.3	87.369	%	0.5772				0.66%
Lu 261.542	1081328.0	88.47	%	0.647				0.73%
Ag 328.068†	-59.4	-0.00040	mg/L	0.000423	-0.00040	mg/L	0.000423	104.37%
Al 308.215†	2095.4	0.00815	mg/L	0.007764	0.00815	mg/L	0.007764	95.21%
As 188.979†	-9.3	-0.00205	mg/L	0.003005	-0.00205	mg/L	0.003005	146.67%
Ba 233.527†	35261.9	0.44398	mg/L	0.007690	0.44398	mg/L	0.007690	1.73%
Be 313.107†	-86.7	-0.00005	mg/L	0.000020	-0.00005	mg/L	0.000020	41.35%
Co 228.616†	-1.6	-0.00004	mg/L	0.000276	-0.00004	mg/L	0.000276	672.19%
Cr 267.716†	139.3	0.00197	mg/L	0.000098	0.00197	mg/L	0.000098	4.96%
Cu 324.752†	495.2	0.00238	mg/L	0.000276	0.00238	mg/L	0.000276	11.61%
Fe 273.955†	20329.2	0.92370	mg/L	0.016935	0.92370	mg/L	0.016935	1.83%
Mg 279.077†	616418.5	39.732	mg/L	0.7218	39.732	mg/L	0.7218	1.82%
Mn 257.610†	231654.2	0.44257	mg/L	0.008193	0.44257	mg/L	0.008193	1.85%
Ni 231.604†	27.6	0.00091	mg/L	0.000220	0.00091	mg/L	0.000220	24.29%
Pb 220.353†	-5.8	0.00274	mg/L	0.001133	0.00274	mg/L	0.001133	41.30%
Sb 206.836†	-0.7	0.00433	mg/L	0.004556	0.00433	mg/L	0.004556	105.19%
Se 196.026†	0.2	0.00307	mg/L	0.007238	0.00307	mg/L	0.007238	235.94%
Tl 190.801	-1.7	0.00934	mg/L	0.000892	0.00934	mg/L	0.000892	9.55%
V 292.402†	142.2	0.00130	mg/L	0.000031	0.00130	mg/L	0.000031	2.38%
Zn 206.200†	129.6	0.00543	mg/L	0.000257	0.00543	mg/L	0.000257	4.73%
Cd 226.502†	-3.2	-0.00011	mg/L	0.000067	-0.00011	mg/L	0.000067	59.26%
Ti 334.940†	-3115.4	-0.00126	mg/L	0.000114	-0.00126	mg/L	0.000114	9.06%
Ca 227.546†	66992.7	410.93	mg/L	7.088	410.93	mg/L	7.088	1.72%
Na 589.592	2864956.8	409.38	mg/L	8.510	409.38	mg/L	8.510	2.08%
K 766.490	27284.9	13.074	mg/L	0.1871	13.074	mg/L	0.1871	1.43%

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Sequence No.: 21 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 10:47:34 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:44 AM**

Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1836673.3	97.294	%	0.6951				0.71%
Lu 261.542	1199095.3	98.10	%	0.801				0.82%
Ag 328.068†	199152.6	1.3320	mg/L	0.00285	1.3320	mg/L	0.00285	0.21%
QC value within limits for Ag 328.068 Recovery = 106.56%								
Al 308.215†	210385.9	10.281	mg/L	0.0169	10.281	mg/L	0.0169	0.16%
QC value within limits for Al 308.215 Recovery = 102.81%								
As 188.979†	451.6	0.51045	mg/L	0.007806	0.51045	mg/L	0.007806	1.53%
QC value within limits for As 188.979 Recovery = 102.09%								
Ba 233.527†	812788.0	10.237	mg/L	0.0110	10.237	mg/L	0.0110	0.11%
QC value within limits for Ba 233.527 Recovery = 102.37%								
Be 313.107†	558785.3	0.25113	mg/L	0.000274	0.25113	mg/L	0.000274	0.11%
QC value within limits for Be 313.107 Recovery = 100.45%								
Co 228.616†	76448.4	2.4309	mg/L	0.03318	2.4309	mg/L	0.03318	1.37%
QC value within limits for Co 228.616 Recovery = 97.24%								
Cr 267.716†	63670.8	0.97542	mg/L	0.011982	0.97542	mg/L	0.011982	1.23%
QC value within limits for Cr 267.716 Recovery = 97.54%								
Cu 324.752†	270878.7	1.2654	mg/L	0.00426	1.2654	mg/L	0.00426	0.34%
QC value within limits for Cu 324.752 Recovery = 101.23%								
Fe 273.955†	108935.7	5.0495	mg/L	0.05770	5.0495	mg/L	0.05770	1.14%
QC value within limits for Fe 273.955 Recovery = 100.99%								
Mg 279.077†	398431.5	25.683	mg/L	0.0260	25.683	mg/L	0.0260	0.10%
QC value within limits for Mg 279.077 Recovery = 102.73%								
Mn 257.610†	1341610.4	2.5473	mg/L	0.00280	2.5473	mg/L	0.00280	0.11%
QC value within limits for Mn 257.610 Recovery = 101.89%								
Ni 231.604†	58636.9	2.5088	mg/L	0.03058	2.5088	mg/L	0.03058	1.22%
QC value within limits for Ni 231.604 Recovery = 100.35%								
Pb 220.353†	2169.6	0.49479	mg/L	0.005247	0.49479	mg/L	0.005247	1.06%
QC value within limits for Pb 220.353 Recovery = 98.96%								
Sb 206.836†	638.1	0.45383	mg/L	0.007463	0.45383	mg/L	0.007463	1.64%
QC value within limits for Sb 206.836 Recovery = 90.77%								
Se 196.026†	283.6	0.49470	mg/L	0.009906	0.49470	mg/L	0.009906	2.00%
QC value within limits for Se 196.026 Recovery = 98.94%								
Tl 190.801	485.8	0.47558	mg/L	0.003312	0.47558	mg/L	0.003312	0.70%
QC value within limits for Tl 190.801 Recovery = 95.12%								
V 292.402†	291324.0	2.5377	mg/L	0.00153	2.5377	mg/L	0.00153	0.06%
QC value within limits for V 292.402 Recovery = 101.51%								
Zn 206.200†	59890.5	2.5208	mg/L	0.03259	2.5208	mg/L	0.03259	1.29%
QC value within limits for Zn 206.200 Recovery = 100.83%								
Cd 226.502†	10667.8	0.24900	mg/L	0.003529	0.24900	mg/L	0.003529	1.42%
QC value within limits for Cd 226.502 Recovery = 99.60%								
Ti 334.940†	283455.3	0.49242	mg/L	0.000889	0.49242	mg/L	0.000889	0.18%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	3933.5	23.584	mg/L	0.2673	23.584	mg/L	0.2673	1.13%
QC value within limits for Ca 227.546 Recovery = 94.33%								
Na 589.592	182949.8	26.136	mg/L	0.3135	26.136	mg/L	0.3135	1.20%
QC value within limits for Na 589.592 Recovery = 104.55%								
K 766.490	54551.3	26.138	mg/L	0.2401	26.138	mg/L	0.2401	0.92%
QC value within limits for K 766.490 Recovery = 104.55%								

All analyte(s) passed QC.

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Sequence No.: 22 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 10:51:16 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:45 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1866766.7	98.888	%	1.4159				1.43%

Lu 261.542	1210918.5	99.07 %		1.517				1.53%
Ag 328.068†	97.8	0.00065 mg/L		0.000851	0.00065 mg/L		0.000851	130.08%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	75.0	0.00367 mg/L		0.004300	0.00367 mg/L		0.004300	117.25%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	2.7	0.00300 mg/L		0.001096	0.00300 mg/L		0.001096	36.57%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	37.5	0.00047 mg/L		0.000257	0.00047 mg/L		0.000257	54.44%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-35.4	-0.00002 mg/L		0.000031	-0.00002 mg/L		0.000031	197.37%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	0.9	0.00003 mg/L		0.000071	0.00003 mg/L		0.000071	237.21%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	15.1	0.00023 mg/L		0.000150	0.00023 mg/L		0.000150	64.73%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	110.8	0.00052 mg/L		0.000571	0.00052 mg/L		0.000571	110.42%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	40.4	0.00187 mg/L		0.000492	0.00187 mg/L		0.000492	26.26%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	37.8	0.00244 mg/L		0.001551	0.00244 mg/L		0.001551	63.63%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	80.8	0.00015 mg/L		0.000051	0.00015 mg/L		0.000051	33.14%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	-3.1	-0.00013 mg/L		0.000114	-0.00013 mg/L		0.000114	87.56%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	2.0	0.00045 mg/L		0.002313	0.00045 mg/L		0.002313	511.25%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	1.8	0.00128 mg/L		0.002637	0.00128 mg/L		0.002637	205.47%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.2	-0.00041 mg/L		0.002667	-0.00041 mg/L		0.002667	652.62%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	-0.8	-0.00082 mg/L		0.004341	-0.00082 mg/L		0.004341	529.93%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	110.8	0.00097 mg/L		0.000417	0.00097 mg/L		0.000417	43.20%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	30.7	0.00129 mg/L		0.000162	0.00129 mg/L		0.000162	12.53%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	0.2	0.00000 mg/L		0.000121	0.00000 mg/L		0.000121	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	7.9	0.00001 mg/L		0.000102	0.00001 mg/L		0.000102	753.82%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	0.0	-0.00002 mg/L		0.059051	-0.00002 mg/L		0.059051	>999.9%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	1273.8	0.18201 mg/L		0.011421	0.18201 mg/L		0.011421	6.27%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	221.3	0.10603 mg/L		0.047753	0.10603 mg/L		0.047753	45.04%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 23 **Autosampler Location: 106**
Sample ID: N1200-07C~(211) MW-I **Date Collected: 7/16/2014 10:54:55 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:46 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-07C~(211) MW-I

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1733894.9	91.849	%	0.8148				0.89%
Lu 261.542	1139017.3	93.19	%	0.859				0.92%
Ag 328.068†	13.9	0.00007	mg/L	0.000421	0.00007	mg/L	0.000421	626.57%
Al 308.215†	1388.9	0.01855	mg/L	0.004648	0.01855	mg/L	0.004648	25.06%
As 188.979†	-1.2	0.00296	mg/L	0.002983	0.00296	mg/L	0.002983	100.77%
Ba 233.527†	48381.8	0.60917	mg/L	0.005844	0.60917	mg/L	0.005844	0.96%
Be 313.107†	-71.5	-0.00004	mg/L	0.000015	-0.00004	mg/L	0.000015	40.55%
Co 228.616†	-3.7	-0.00011	mg/L	0.000386	-0.00011	mg/L	0.000386	342.24%
Cr 267.716†	74.3	0.00051	mg/L	0.000010	0.00051	mg/L	0.000010	2.04%
Cu 324.752†	294.0	0.00156	mg/L	0.000165	0.00156	mg/L	0.000165	10.60%

Fe 273.955†	57088.5	2.5981	mg/L	0.01941	2.5981	mg/L	0.01941	0.75%
Mg 279.077†	322872.5	20.812	mg/L	0.1791	20.812	mg/L	0.1791	0.86%
Mn 257.610†	907502.9	1.7250	mg/L	0.01377	1.7250	mg/L	0.01377	0.80%
Ni 231.604†	18.6	0.00065	mg/L	0.000315	0.00065	mg/L	0.000315	48.53%
Pb 220.353†	-0.1	0.00201	mg/L	0.000316	0.00201	mg/L	0.000316	15.74%
Sb 206.836†	0.0	0.00249	mg/L	0.003574	0.00249	mg/L	0.003574	143.59%
Se 196.026†	-3.3	-0.00412	mg/L	0.005244	-0.00412	mg/L	0.005244	127.24%
Tl 190.801	0.5	0.00452	mg/L	0.003463	0.00452	mg/L	0.003463	76.59%
V 292.402†	54.2	0.00063	mg/L	0.000112	0.00063	mg/L	0.000112	17.85%
Zn 206.200†	155.7	0.00648	mg/L	0.000242	0.00648	mg/L	0.000242	3.74%
Cd 226.502†	-7.4	-0.00028	mg/L	0.000022	-0.00028	mg/L	0.000022	7.89%
Ti 334.940†	-1733.3	-0.00083	mg/L	0.000050	-0.00083	mg/L	0.000050	5.96%
Ca 227.546†	35094.7	215.29	mg/L	1.709	215.29	mg/L	1.709	0.79%
Na 589.592	1435040.5	205.06	mg/L	1.062	205.06	mg/L	1.062	0.52%
K 766.490	10557.9	5.0588	mg/L	0.03269	5.0588	mg/L	0.03269	0.65%

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Sequence No.: 24 **Autosampler Location: 107**
Sample ID: N1200-07CDUP~(211) MW-ID **Date Collected: 7/16/2014 10:58:36 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:47 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-07CDUP~(211) MW-ID

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1731107.1	91.702	%	0.4179				0.46%
Lu 261.542	1137692.9	93.08	%	0.378				0.41%
Ag 328.068†	16.0	0.00008	mg/L	0.000234	0.00008	mg/L	0.000234	300.82%
Al 308.215†	1472.4	0.02155	mg/L	0.004184	0.02155	mg/L	0.004184	19.41%
As 188.979†	-5.4	-0.00156	mg/L	0.000741	-0.00156	mg/L	0.000741	47.62%
Ba 233.527†	49701.5	0.62578	mg/L	0.001207	0.62578	mg/L	0.001207	0.19%
Be 313.107†	-42.2	-0.00002	mg/L	0.000028	-0.00002	mg/L	0.000028	117.03%
Co 228.616†	-4.2	-0.00013	mg/L	0.000095	-0.00013	mg/L	0.000095	74.74%
Cr 267.716†	156.6	0.00176	mg/L	0.000112	0.00176	mg/L	0.000112	6.37%
Cu 324.752†	329.8	0.00175	mg/L	0.000110	0.00175	mg/L	0.000110	6.32%
Fe 273.955†	64340.1	2.9283	mg/L	0.00590	2.9283	mg/L	0.00590	0.20%
Mg 279.077†	329912.0	21.266	mg/L	0.0766	21.266	mg/L	0.0766	0.36%
Mn 257.610†	928814.7	1.7655	mg/L	0.00394	1.7655	mg/L	0.00394	0.22%
Ni 231.604†	40.8	0.00160	mg/L	0.000292	0.00160	mg/L	0.000292	18.28%
Pb 220.353†	-2.3	0.00154	mg/L	0.000899	0.00154	mg/L	0.000899	58.23%
Sb 206.836†	2.1	0.00400	mg/L	0.005515	0.00400	mg/L	0.005515	137.93%
Se 196.026†	1.8	0.00499	mg/L	0.002726	0.00499	mg/L	0.002726	54.59%
Tl 190.801	-2.7	0.00135	mg/L	0.001073	0.00135	mg/L	0.001073	79.48%
V 292.402†	53.3	0.00064	mg/L	0.000103	0.00064	mg/L	0.000103	16.01%
Zn 206.200†	396.5	0.01660	mg/L	0.000128	0.01660	mg/L	0.000128	0.77%
Cd 226.502†	5.9	0.00001	mg/L	0.000145	0.00001	mg/L	0.000145	>999.9%
Ti 334.940†	-1745.6	-0.00081	mg/L	0.000105	-0.00081	mg/L	0.000105	12.96%
Ca 227.546†	35866.1	220.03	mg/L	0.401	220.03	mg/L	0.401	0.18%
Na 589.592	1444410.6	206.39	mg/L	1.895	206.39	mg/L	1.895	0.92%
K 766.490	10613.9	5.0857	mg/L	0.07989	5.0857	mg/L	0.07989	1.57%

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Sequence No.: 25 **Autosampler Location: 108**
Sample ID: N1200-07CMS~(211) MW-IS **Date Collected: 7/16/2014 11:02:18 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:47 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-07CMS~(211) MW-IS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1745240.2	92.450	%	0.5490				0.59%
Lu 261.542	1136340.0	92.97	%	0.565				0.61%
Ag 328.068†	189277.3	1.2659	mg/L	0.00406	1.2659	mg/L	0.00406	0.32%
Al 308.215†	199371.3	9.6911	mg/L	0.03422	9.6911	mg/L	0.03422	0.35%
As 188.979†	436.4	0.49789	mg/L	0.001799	0.49789	mg/L	0.001799	0.36%

Ba 233.527†	788740.6	9.9337	mg/L	0.02332	9.9337	mg/L	0.02332	0.23%
Be 313.107†	528917.8	0.23688	mg/L	0.000372	0.23688	mg/L	0.000372	0.16%
Co 228.616†	73281.1	2.3312	mg/L	0.00829	2.3312	mg/L	0.00829	0.36%
Cr 267.716†	62160.6	0.95166	mg/L	0.003683	0.95166	mg/L	0.003683	0.39%
Cu 324.752†	259248.7	1.2113	mg/L	0.00351	1.2113	mg/L	0.00351	0.29%
Fe 273.955†	164640.3	7.5794	mg/L	0.02705	7.5794	mg/L	0.02705	0.36%
Mg 279.077†	685971.7	44.218	mg/L	0.0628	44.218	mg/L	0.0628	0.14%
Mn 257.610†	2158610.6	4.1006	mg/L	0.01076	4.1006	mg/L	0.01076	0.26%
Ni 231.604†	54236.1	2.3207	mg/L	0.00645	2.3207	mg/L	0.00645	0.28%
Pb 220.353†	2056.2	0.47077	mg/L	0.003820	0.47077	mg/L	0.003820	0.81%
Sb 206.836†	673.3	0.48167	mg/L	0.002440	0.48167	mg/L	0.002440	0.51%
Se 196.026†	275.5	0.48244	mg/L	0.006321	0.48244	mg/L	0.006321	1.31%
Tl 190.801	419.0	0.41210	mg/L	0.005438	0.41210	mg/L	0.005438	1.32%
V 292.402†	273765.0	2.3855	mg/L	0.00465	2.3855	mg/L	0.00465	0.20%
Zn 206.200†	55185.3	2.3229	mg/L	0.00951	2.3229	mg/L	0.00951	0.41%
Cd 226.502†	9972.1	0.23264	mg/L	0.001351	0.23264	mg/L	0.001351	0.58%
Ti 334.940†	-1442.1	-0.00102	mg/L	0.000108	-0.00102	mg/L	0.000108	10.52%
Ca 227.546†	40532.1	248.13	mg/L	1.110	248.13	mg/L	1.110	0.45%
Na 589.592	1611065.4	230.20	mg/L	0.513	230.20	mg/L	0.513	0.22%
K 766.490	60237.2	28.863	mg/L	0.1726	28.863	mg/L	0.1726	0.60%

Sequence No.: 26 **Autosampler Location: 109**
Sample ID: N1200-07CSD~(211) MW-IL **Date Collected: 7/16/2014 11:06:08 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:48 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-07CSD~(211) MW-IL

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1860801.0	98.572	%	1.0775				1.09%
Lu 261.542	1215622.1	99.45	%	1.074				1.08%
Ag 328.068†	50.2	0.00033	mg/L	0.000149	0.00033	mg/L	0.000149	45.03%
Al 308.215†	266.6	0.00343	mg/L	0.004439	0.00343	mg/L	0.004439	129.52%
As 188.979†	-1.0	-0.00030	mg/L	0.003005	-0.00030	mg/L	0.003005	>999.9%
Ba 233.527†	9969.0	0.12552	mg/L	0.000331	0.12552	mg/L	0.000331	0.26%
Be 313.107†	-8.3	0.00000	mg/L	0.000024	0.00000	mg/L	0.000024	504.19%
Co 228.616†	10.4	0.00033	mg/L	0.000044	0.00033	mg/L	0.000044	13.20%
Cr 267.716†	13.7	0.00008	mg/L	0.000221	0.00008	mg/L	0.000221	272.34%
Cu 324.752†	118.5	0.00059	mg/L	0.000141	0.00059	mg/L	0.000141	23.84%
Fe 273.955†	11679.6	0.53157	mg/L	0.001427	0.53157	mg/L	0.001427	0.27%
Mg 279.077†	65659.1	4.2323	mg/L	0.00603	4.2323	mg/L	0.00603	0.14%
Mn 257.610†	187205.2	0.35581	mg/L	0.000487	0.35581	mg/L	0.000487	0.14%
Ni 231.604†	1.5	0.00003	mg/L	0.000028	0.00003	mg/L	0.000028	82.89%
Pb 220.353†	-3.9	-0.00049	mg/L	0.001147	-0.00049	mg/L	0.001147	235.41%
Sb 206.836†	-4.4	-0.00272	mg/L	0.003780	-0.00272	mg/L	0.003780	139.07%
Se 196.026†	-3.1	-0.00509	mg/L	0.010884	-0.00509	mg/L	0.010884	213.70%
Tl 190.801	0.5	0.00131	mg/L	0.001691	0.00131	mg/L	0.001691	129.00%
V 292.402†	89.8	0.00081	mg/L	0.000129	0.00081	mg/L	0.000129	15.83%
Zn 206.200†	50.4	0.00210	mg/L	0.000230	0.00210	mg/L	0.000230	10.92%
Cd 226.502†	-3.6	-0.00011	mg/L	0.000116	-0.00011	mg/L	0.000116	109.34%
Ti 334.940†	-360.7	-0.00021	mg/L	0.000039	-0.00021	mg/L	0.000039	18.64%
Ca 227.546†	6818.1	41.826	mg/L	0.0873	41.826	mg/L	0.0873	0.21%
Na 589.592	304186.5	43.466	mg/L	0.5490	43.466	mg/L	0.5490	1.26%
K 766.490	2417.3	1.1582	mg/L	0.01872	1.1582	mg/L	0.01872	1.62%

Sequence No.: 27 **Autosampler Location: 110**
Sample ID: N1200-07CPDS~(211) MW-I **Date Collected: 7/16/2014 11:09:49 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:49 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-07CPDS~(211) MW-I

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD

Y 360.073	1753506.4	92.888	%	0.8249			0.89%
Lu 261.542	1142903.3	93.50	%	0.867			0.93%
Ag 328.068†	182304.9	1.2194	mg/L	0.00998	1.2194	mg/L	0.00998	0.82%
Al 308.215†	197955.3	9.6242	mg/L	0.08247	9.6242	mg/L	0.08247	0.86%
As 188.979†	435.8	0.49695	mg/L	0.008087	0.49695	mg/L	0.008087	1.63%
Ba 233.527†	784206.3	9.8766	mg/L	0.01189	9.8766	mg/L	0.01189	0.12%
Be 313.107†	524812.9	0.23505	mg/L	0.000396	0.23505	mg/L	0.000396	0.17%
Co 228.616†	73373.2	2.3341	mg/L	0.02169	2.3341	mg/L	0.02169	0.93%
Cr 267.716†	62035.8	0.94978	mg/L	0.007770	0.94978	mg/L	0.007770	0.82%
Cu 324.752†	258248.3	1.2066	mg/L	0.01118	1.2066	mg/L	0.01118	0.93%
Fe 273.955†	162160.0	7.4662	mg/L	0.06164	7.4662	mg/L	0.06164	0.83%
Mg 279.077†	669211.1	43.138	mg/L	0.0681	43.138	mg/L	0.0681	0.16%
Mn 257.610†	2107410.3	4.0033	mg/L	0.00636	4.0033	mg/L	0.00636	0.16%
Ni 231.604†	54470.6	2.3307	mg/L	0.02206	2.3307	mg/L	0.02206	0.95%
Pb 220.353†	2050.5	0.46938	mg/L	0.003599	0.46938	mg/L	0.003599	0.77%
Sb 206.836†	638.4	0.45623	mg/L	0.004521	0.45623	mg/L	0.004521	0.99%
Se 196.026†	270.9	0.47440	mg/L	0.006264	0.47440	mg/L	0.006264	1.32%
Tl 190.801	430.9	0.42441	mg/L	0.003270	0.42441	mg/L	0.003270	0.77%
V 292.402†	272971.3	2.3785	mg/L	0.02068	2.3785	mg/L	0.02068	0.87%
Zn 206.200†	55191.7	2.3231	mg/L	0.01826	2.3231	mg/L	0.01826	0.79%
Cd 226.502†	9884.2	0.23060	mg/L	0.002533	0.23060	mg/L	0.002533	1.10%
Ti 334.940†	-1285.4	-0.00086	mg/L	0.000161	-0.00086	mg/L	0.000161	18.77%
Ca 227.546†	38759.2	237.25	mg/L	1.832	237.25	mg/L	1.832	0.77%
Na 589.592	1593407.2	227.68	mg/L	1.257	227.68	mg/L	1.257	0.55%
K 766.490	60716.6	29.093	mg/L	0.6917	29.093	mg/L	0.6917	2.38%

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Sequence No.: 28 **Autosampler Location: 111**
Sample ID: N1200-08C~(211) MW-L **Date Collected: 7/16/2014 11:13:40 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:49 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-08C~(211) MW-L

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1761834.1	93.329	%	0.2796				0.30%
Lu 261.542	1160427.8	94.94	%	0.280				0.29%
Ag 328.068†	121.5	0.00081	mg/L	0.000269	0.00081	mg/L	0.000269	33.34%
Al 308.215†	4588.1	0.19621	mg/L	0.004597	0.19621	mg/L	0.004597	2.34%
As 188.979†	-1.0	0.00125	mg/L	0.002784	0.00125	mg/L	0.002784	223.29%
Ba 233.527†	13359.7	0.16821	mg/L	0.001007	0.16821	mg/L	0.001007	0.60%
Be 313.107†	21.3	0.00001	mg/L	0.000015	0.00001	mg/L	0.000015	148.64%
Co 228.616†	69.3	0.00220	mg/L	0.000209	0.00220	mg/L	0.000209	9.46%
Cr 267.716†	80.0	0.00085	mg/L	0.000069	0.00085	mg/L	0.000069	8.21%
Cu 324.752†	563.5	0.00266	mg/L	0.000342	0.00266	mg/L	0.000342	12.85%
Fe 273.955†	9548.5	0.43374	mg/L	0.000817	0.43374	mg/L	0.000817	0.19%
Mg 279.077†	330055.5	21.274	mg/L	0.0312	21.274	mg/L	0.0312	0.15%
Mn 257.610†	550555.4	1.0461	mg/L	0.00234	1.0461	mg/L	0.00234	0.22%
Ni 231.604†	65.5	0.00265	mg/L	0.000281	0.00265	mg/L	0.000281	10.60%
Pb 220.353†	-3.2	0.00048	mg/L	0.001897	0.00048	mg/L	0.001897	396.52%
Sb 206.836†	4.8	0.00511	mg/L	0.001506	0.00511	mg/L	0.001506	29.49%
Se 196.026†	-1.8	-0.00304	mg/L	0.004259	-0.00304	mg/L	0.004259	140.18%
Tl 190.801	0.6	0.00269	mg/L	0.002236	0.00269	mg/L	0.002236	83.20%
V 292.402†	149.0	0.00132	mg/L	0.000144	0.00132	mg/L	0.000144	10.86%
Zn 206.200†	199.4	0.00837	mg/L	0.000596	0.00837	mg/L	0.000596	7.11%
Cd 226.502†	0.5	-0.00001	mg/L	0.000214	-0.00001	mg/L	0.000214	>999.9%
Ti 334.940†	148.6	0.00111	mg/L	0.000152	0.00111	mg/L	0.000152	13.60%
Ca 227.546†	19847.2	121.74	mg/L	0.310	121.74	mg/L	0.310	0.25%
Na 589.592	755427.5	107.94	mg/L	0.539	107.94	mg/L	0.539	0.50%
K 766.490	12361.4	5.9230	mg/L	0.04426	5.9230	mg/L	0.04426	0.75%

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Sequence No.: 29 **Autosampler Location: 112**
Sample ID: N1200-09C~(211) MW-M **Date Collected: 7/16/2014 11:17:16 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:50 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-09C~(211) MW-M

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1694721.5	89.774	%	0.6362				0.71%
Lu 261.542	1115126.4	91.23	%	0.681				0.75%
Ag 328.068†	5.7	-0.00002	mg/L	0.000649	-0.00002	mg/L	0.000649	>999.9%
Al 308.215†	3619.1	0.11509	mg/L	0.003839	0.11509	mg/L	0.003839	3.34%
As 188.979†	-4.8	0.00053	mg/L	0.004444	0.00053	mg/L	0.004444	834.84%
Ba 233.527†	79964.1	1.0068	mg/L	0.00220	1.0068	mg/L	0.00220	0.22%
Be 313.107†	2.7	0.00000	mg/L	0.000010	0.00000	mg/L	0.000010	268.45%
Co 228.616†	-4.8	-0.00015	mg/L	0.000063	-0.00015	mg/L	0.000063	43.41%
Cr 267.716†	82.9	0.00077	mg/L	0.000144	0.00077	mg/L	0.000144	18.59%
Cu 324.752†	387.9	0.00220	mg/L	0.000184	0.00220	mg/L	0.000184	8.36%
Fe 273.955†	121232.0	5.5183	mg/L	0.00560	5.5183	mg/L	0.00560	0.10%
Mg 279.077†	350670.9	22.605	mg/L	0.0390	22.605	mg/L	0.0390	0.17%
Mn 257.610†	721194.6	1.3716	mg/L	0.00191	1.3716	mg/L	0.00191	0.14%
Ni 231.604†	13.5	0.00042	mg/L	0.000395	0.00042	mg/L	0.000395	94.39%
Pb 220.353†	-8.5	0.00053	mg/L	0.001265	0.00053	mg/L	0.001265	238.47%
Sb 206.836†	-3.2	0.00062	mg/L	0.004329	0.00062	mg/L	0.004329	696.65%
Se 196.026†	-7.0	-0.00841	mg/L	0.007942	-0.00841	mg/L	0.007942	94.43%
Tl 190.801	-1.2	0.00540	mg/L	0.003372	0.00540	mg/L	0.003372	62.45%
V 292.402†	60.6	0.00086	mg/L	0.000037	0.00086	mg/L	0.000037	4.31%
Zn 206.200†	125.8	0.00514	mg/L	0.000201	0.00514	mg/L	0.000201	3.90%
Cd 226.502†	10.3	0.00000	mg/L	0.000145	0.00000	mg/L	0.000145	>999.9%
Ti 334.940†	-1658.6	0.00002	mg/L	0.000151	0.00002	mg/L	0.000151	871.56%
Ca 227.546†	44328.2	271.96	mg/L	0.847	271.96	mg/L	0.847	0.31%
Na 589.592	3069961.3	438.67	mg/L	1.905	438.67	mg/L	1.905	0.43%
K 766.490	26731.1	12.808	mg/L	0.2039	12.808	mg/L	0.2039	1.59%

Sequence No.: 30 **Autosampler Location: 113**
Sample ID: N1200-10C~(211) MW-N **Date Collected: 7/16/2014 11:20:59 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:51 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-10C~(211) MW-N

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1713013.6	90.743	%	0.7400				0.82%
Lu 261.542	1126928.5	92.20	%	0.790				0.86%
Ag 328.068†	-13.8	-0.00011	mg/L	0.000555	-0.00011	mg/L	0.000555	493.51%
Al 308.215†	9616.2	0.43353	mg/L	0.005149	0.43353	mg/L	0.005149	1.19%
As 188.979†	-1.8	0.00396	mg/L	0.004987	0.00396	mg/L	0.004987	125.88%
Ba 233.527†	19122.8	0.24077	mg/L	0.001005	0.24077	mg/L	0.001005	0.42%
Be 313.107†	-9.3	0.00000	mg/L	0.000012	0.00000	mg/L	0.000012	>999.9%
Co 228.616†	8.4	0.00026	mg/L	0.000083	0.00026	mg/L	0.000083	32.11%
Cr 267.716†	20200.6	0.30925	mg/L	0.000415	0.30925	mg/L	0.000415	0.13%
Cu 324.752†	879.5	0.00425	mg/L	0.000488	0.00425	mg/L	0.000488	11.46%
Fe 273.955†	46199.8	2.1031	mg/L	0.00102	2.1031	mg/L	0.00102	0.05%
Mg 279.077†	399184.7	25.731	mg/L	0.0348	25.731	mg/L	0.0348	0.14%
Mn 257.610†	238128.5	0.45291	mg/L	0.001075	0.45291	mg/L	0.001075	0.24%
Ni 231.604†	56.3	0.00222	mg/L	0.000176	0.00222	mg/L	0.000176	7.89%
Pb 220.353†	0.1	0.00158	mg/L	0.002687	0.00158	mg/L	0.002687	169.75%
Sb 206.836†	8.0	0.00399	mg/L	0.005160	0.00399	mg/L	0.005160	129.42%
Se 196.026†	-10.1	-0.01620	mg/L	0.005663	-0.01620	mg/L	0.005663	34.95%
Tl 190.801	-2.4	0.00177	mg/L	0.006941	0.00177	mg/L	0.006941	391.62%
V 292.402†	105.5	0.00169	mg/L	0.000174	0.00169	mg/L	0.000174	10.30%
Zn 206.200†	316.1	0.01416	mg/L	0.000182	0.01416	mg/L	0.000182	1.29%
Cd 226.502†	-2.2	-0.00014	mg/L	0.000132	-0.00014	mg/L	0.000132	93.85%
Ti 334.940†	1704.9	0.00412	mg/L	0.000128	0.00412	mg/L	0.000128	3.11%
Ca 227.546†	26298.3	161.33	mg/L	0.490	161.33	mg/L	0.490	0.30%
Na 589.592	1136653.1	162.42	mg/L	1.998	162.42	mg/L	1.998	1.23%
K 766.490	11519.9	5.5198	mg/L	0.05062	5.5198	mg/L	0.05062	0.92%

Sequence No.: 31 **Autosampler Location: 114**

Sample ID: N1200-14C~FB071014 **Date Collected: 7/16/2014 11:24:41 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:51 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1200-14C~FB071014

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1763181.8	93.401	%	1.1095				1.19%
Lu 261.542	1154652.8	94.46	%	1.058				1.12%
Ag 328.068†	77.2	0.00052	mg/L	0.000043	0.00052	mg/L	0.000043	8.23%
Al 308.215†	816.1	0.03996	mg/L	0.002636	0.03996	mg/L	0.002636	6.60%
As 188.979†	-0.7	-0.00072	mg/L	0.003694	-0.00072	mg/L	0.003694	509.81%
Ba 233.527†	24.7	0.00031	mg/L	0.000041	0.00031	mg/L	0.000041	13.06%
Be 313.107†	-60.5	-0.00003	mg/L	0.000008	-0.00003	mg/L	0.000008	30.58%
Co 228.616†	2.4	0.00008	mg/L	0.000108	0.00008	mg/L	0.000108	139.67%
Cr 267.716†	34.6	0.00053	mg/L	0.000084	0.00053	mg/L	0.000084	15.79%
Cu 324.752†	779.7	0.00364	mg/L	0.000309	0.00364	mg/L	0.000309	8.48%
Fe 273.955†	206.2	0.00941	mg/L	0.000195	0.00941	mg/L	0.000195	2.08%
Mg 279.077†	115.8	0.00747	mg/L	0.001934	0.00747	mg/L	0.001934	25.89%
Mn 257.610†	807.3	0.00153	mg/L	0.000016	0.00153	mg/L	0.000016	1.05%
Ni 231.604†	28.1	0.00120	mg/L	0.000289	0.00120	mg/L	0.000289	24.04%
Pb 220.353†	5.1	0.00117	mg/L	0.000908	0.00117	mg/L	0.000908	77.82%
Sb 206.836†	-1.3	-0.00094	mg/L	0.001966	-0.00094	mg/L	0.001966	208.81%
Se 196.026†	-5.3	-0.00921	mg/L	0.007634	-0.00921	mg/L	0.007634	82.92%
Tl 190.801	2.6	0.00268	mg/L	0.002178	0.00268	mg/L	0.002178	81.24%
V 292.402†	96.2	0.00084	mg/L	0.000223	0.00084	mg/L	0.000223	26.63%
Zn 206.200†	138.0	0.00580	mg/L	0.000125	0.00580	mg/L	0.000125	2.16%
Cd 226.502†	-3.2	-0.00007	mg/L	0.000211	-0.00007	mg/L	0.000211	282.23%
Ti 334.940†	30.8	0.00006	mg/L	0.000070	0.00006	mg/L	0.000070	126.80%
Ca 227.546†	27.3	0.16763	mg/L	0.016855	0.16763	mg/L	0.016855	10.05%
Na 589.592	2433456.7	347.72	mg/L	5.238	347.72	mg/L	5.238	1.51%
K 766.490	232.9	0.11158	mg/L	0.041763	0.11158	mg/L	0.041763	37.43%

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Sequence No.: 32 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 11:28:29 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:52 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1832125.5	97.053	%	0.5193				0.54%
Lu 261.542	1195826.5	97.83	%	0.610				0.62%
Ag 328.068†	196943.1	1.3172	mg/L	0.02136	1.3172	mg/L	0.02136	1.62%
QC value within limits for Ag 328.068 Recovery = 105.38%								
Al 308.215†	208852.8	10.206	mg/L	0.1889	10.206	mg/L	0.1889	1.85%
QC value within limits for Al 308.215 Recovery = 102.06%								
As 188.979†	455.0	0.51438	mg/L	0.005187	0.51438	mg/L	0.005187	1.01%
QC value within limits for As 188.979 Recovery = 102.88%								
Ba 233.527†	810862.8	10.212	mg/L	0.0040	10.212	mg/L	0.0040	0.04%
QC value within limits for Ba 233.527 Recovery = 102.12%								
Be 313.107†	558857.6	0.25116	mg/L	0.000333	0.25116	mg/L	0.000333	0.13%
QC value within limits for Be 313.107 Recovery = 100.46%								
Co 228.616†	77507.1	2.4646	mg/L	0.04724	2.4646	mg/L	0.04724	1.92%
QC value within limits for Co 228.616 Recovery = 98.58%								
Cr 267.716†	64678.5	0.99084	mg/L	0.017863	0.99084	mg/L	0.017863	1.80%
QC value within limits for Cr 267.716 Recovery = 99.08%								
Cu 324.752†	264237.5	1.2344	mg/L	0.01996	1.2344	mg/L	0.01996	1.62%
QC value within limits for Cu 324.752 Recovery = 98.75%								
Fe 273.955†	110881.7	5.1370	mg/L	0.09586	5.1370	mg/L	0.09586	1.87%
QC value within limits for Fe 273.955 Recovery = 102.74%								
Mg 279.077†	397725.9	25.638	mg/L	0.0229	25.638	mg/L	0.0229	0.09%
QC value within limits for Mg 279.077 Recovery = 102.55%								
Mn 257.610†	1342005.8	2.5481	mg/L	0.00197	2.5481	mg/L	0.00197	0.08%

QC value within limits for Mn 257.610 Recovery = 101.92%
Ni 231.604† 59364.3 2.5400 mg/L 0.04560 2.5400 mg/L 0.04560 1.80%
QC value within limits for Ni 231.604 Recovery = 101.60%
Pb 220.353† 2217.8 0.50580 mg/L 0.007753 0.50580 mg/L 0.007753 1.53%
QC value within limits for Pb 220.353 Recovery = 101.16%
Sb 206.836† 667.7 0.47511 mg/L 0.005437 0.47511 mg/L 0.005437 1.14%
QC value within limits for Sb 206.836 Recovery = 95.02%
Se 196.026† 283.8 0.49517 mg/L 0.009582 0.49517 mg/L 0.009582 1.94%
QC value within limits for Se 196.026 Recovery = 99.03%
Tl 190.801 487.3 0.47722 mg/L 0.004419 0.47722 mg/L 0.004419 0.93%
QC value within limits for Tl 190.801 Recovery = 95.44%
V 292.402† 287266.1 2.5024 mg/L 0.04392 2.5024 mg/L 0.04392 1.76%
QC value within limits for V 292.402 Recovery = 100.10%
Zn 206.200† 60742.4 2.5567 mg/L 0.04698 2.5567 mg/L 0.04698 1.84%
QC value within limits for Zn 206.200 Recovery = 102.27%
Cd 226.502† 10777.4 0.25156 mg/L 0.004456 0.25156 mg/L 0.004456 1.77%
QC value within limits for Cd 226.502 Recovery = 100.62%
Ti 334.940† 283115.8 0.49183 mg/L 0.000571 0.49183 mg/L 0.000571 0.12%
QC value within limits for Ti 334.940 Recovery = Not calculated
Ca 227.546† 4015.0 24.081 mg/L 0.3219 24.081 mg/L 0.3219 1.34%
QC value within limits for Ca 227.546 Recovery = 96.32%
Na 589.592 186012.1 26.574 mg/L 0.0412 26.574 mg/L 0.0412 0.16%
QC value within limits for Na 589.592 Recovery = 106.30%
K 766.490 54832.2 26.273 mg/L 0.0841 26.273 mg/L 0.0841 0.32%
QC value within limits for K 766.490 Recovery = 105.09%
All analyte(s) passed QC.

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Sequence No.: 33 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 11:32:10 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:53 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1878854.1	99.528	%	0.5143				0.52%
Lu 261.542	1218820.1	99.71	%	0.520				0.52%
Ag 328.068†	132.7	0.00089	mg/L	0.000184	0.00089	mg/L	0.000184	20.76%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	169.0	0.00827	mg/L	0.000552	0.00827	mg/L	0.000552	6.68%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	1.4	0.00153	mg/L	0.002994	0.00153	mg/L	0.002994	195.06%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	87.9	0.00111	mg/L	0.000377	0.00111	mg/L	0.000377	34.03%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	47.8	0.00002	mg/L	0.000021	0.00002	mg/L	0.000021	97.54%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	14.3	0.00046	mg/L	0.000157	0.00046	mg/L	0.000157	34.46%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	14.1	0.00022	mg/L	0.000125	0.00022	mg/L	0.000125	58.19%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	154.4	0.00072	mg/L	0.000248	0.00072	mg/L	0.000248	34.45%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	46.8	0.00217	mg/L	0.000172	0.00217	mg/L	0.000172	7.94%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	5.9	0.00038	mg/L	0.001653	0.00038	mg/L	0.001653	429.83%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	205.2	0.00039	mg/L	0.000101	0.00039	mg/L	0.000101	26.01%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	1.7	0.00007	mg/L	0.000288	0.00007	mg/L	0.000288	387.74%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.3	0.00074	mg/L	0.001526	0.00074	mg/L	0.001526	205.03%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.0	0.00217	mg/L	0.001377	0.00217	mg/L	0.001377	63.51%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.0	-0.00176	mg/L	0.004831	-0.00176	mg/L	0.004831	274.23%
QC value within limits for Se 196.026 Recovery = Not calculated								

Tl 190.801	-1.9	-0.00201	mg/L	0.005294	-0.00201	mg/L	0.005294	263.80%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	115.6	0.00101	mg/L	0.000310	0.00101	mg/L	0.000310	30.79%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	32.9	0.00138	mg/L	0.000398	0.00138	mg/L	0.000398	28.82%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	1.4	0.00003	mg/L	0.000118	0.00003	mg/L	0.000118	364.92%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	74.1	0.00013	mg/L	0.000029	0.00013	mg/L	0.000029	22.66%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	3.7	0.02278	mg/L	0.042217	0.02278	mg/L	0.042217	185.30%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	1263.0	0.18047	mg/L	0.008264	0.18047	mg/L	0.008264	4.58%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	181.3	0.08685	mg/L	0.014780	0.08685	mg/L	0.014780	17.02%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 34 **Autosampler Location: 38**
Sample ID: MB-78053~PBS **Date Collected: 7/16/2014 11:35:49 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:53 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: MB-78053~PBS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1850341.6	98.018	%	0.9325				0.95%
Lu 261.542	1207199.5	98.76	%	0.989				1.00%
Ag 328.068†	91.3	0.00061	mg/L	0.000683	0.00061	mg/L	0.000683	112.12%
Al 308.215†	705.4	0.03456	mg/L	0.001194	0.03456	mg/L	0.001194	3.45%
As 188.979†	-1.0	-0.00106	mg/L	0.002871	-0.00106	mg/L	0.002871	271.77%
Ba 233.527†	66.1	0.00083	mg/L	0.000089	0.00083	mg/L	0.000089	10.75%
Be 313.107†	3.3	0.00000	mg/L	0.000008	0.00000	mg/L	0.000008	282.11%
Co 228.616†	-1.6	-0.00005	mg/L	0.000110	-0.00005	mg/L	0.000110	205.15%
Cr 267.716†	36.7	0.00056	mg/L	0.000087	0.00056	mg/L	0.000087	15.53%
Cu 324.752†	196.4	0.00093	mg/L	0.000109	0.00093	mg/L	0.000109	11.73%
Fe 273.955†	3521.8	0.16035	mg/L	0.000570	0.16035	mg/L	0.000570	0.36%
Mg 279.077†	320.4	0.02073	mg/L	0.001591	0.02073	mg/L	0.001591	7.68%
Mn 257.610†	3310.5	0.00629	mg/L	0.000073	0.00629	mg/L	0.000073	1.16%
Ni 231.604†	-2.8	-0.00012	mg/L	0.000077	-0.00012	mg/L	0.000077	66.87%
Pb 220.353†	3.8	0.00087	mg/L	0.001305	0.00087	mg/L	0.001305	149.56%
Sb 206.836†	6.3	0.00458	mg/L	0.002608	0.00458	mg/L	0.002608	57.01%
Se 196.026†	2.8	0.00492	mg/L	0.005646	0.00492	mg/L	0.005646	114.73%
Tl 190.801	-7.8	-0.00813	mg/L	0.004970	-0.00813	mg/L	0.004970	61.12%
V 292.402†	51.0	0.00045	mg/L	0.000236	0.00045	mg/L	0.000236	51.94%
Zn 206.200†	93.1	0.00391	mg/L	0.000261	0.00391	mg/L	0.000261	6.68%
Cd 226.502†	3.8	0.00008	mg/L	0.000099	0.00008	mg/L	0.000099	122.01%
Ti 334.940†	402.6	0.00070	mg/L	0.000080	0.00070	mg/L	0.000080	11.48%
Ca 227.546†	8.5	0.05400	mg/L	0.075953	0.05400	mg/L	0.075953	140.66%
Na 589.592	988.9	0.14129	mg/L	0.010055	0.14129	mg/L	0.010055	7.12%
K 766.490	339.6	0.16271	mg/L	0.077636	0.16271	mg/L	0.077636	47.72%

Sequence No.: 35 **Autosampler Location: 39**
Sample ID: LCS-78053~LCS **Date Collected: 7/16/2014 11:39:28 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:54 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LCS-78053~LCS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1801522.2	95.432	%	0.6978				0.73%
Lu 261.542	1177228.9	96.31	%	0.796				0.83%
Ag 328.068†	179944.8	1.2036	mg/L	0.00261	1.2036	mg/L	0.00261	0.22%

Al 308.215†	184605.8	9.0202	mg/L	0.02246	9.0202	mg/L	0.02246	0.25%
As 188.979†	418.5	0.47320	mg/L	0.008918	0.47320	mg/L	0.008918	1.88%
Ba 233.527†	741596.1	9.3400	mg/L	0.01722	9.3400	mg/L	0.01722	0.18%
Be 313.107†	507073.7	0.22711	mg/L	0.000354	0.22711	mg/L	0.000354	0.16%
Co 228.616†	71662.4	2.2797	mg/L	0.03983	2.2797	mg/L	0.03983	1.75%
Cr 267.716†	60151.2	0.92148	mg/L	0.016251	0.92148	mg/L	0.016251	1.76%
Cu 324.752†	245655.2	1.1476	mg/L	0.00241	1.1476	mg/L	0.00241	0.21%
Fe 273.955†	109096.8	5.0484	mg/L	0.08573	5.0484	mg/L	0.08573	1.70%
Mg 279.077†	357239.8	23.028	mg/L	0.0595	23.028	mg/L	0.0595	0.26%
Mn 257.610†	1235864.6	2.3466	mg/L	0.00517	2.3466	mg/L	0.00517	0.22%
Ni 231.604†	53068.4	2.2709	mg/L	0.03771	2.2709	mg/L	0.03771	1.66%
Pb 220.353†	2036.1	0.46402	mg/L	0.004854	0.46402	mg/L	0.004854	1.05%
Sb 206.836†	643.8	0.45803	mg/L	0.007211	0.45803	mg/L	0.007211	1.57%
Se 196.026†	252.2	0.44023	mg/L	0.005111	0.44023	mg/L	0.005111	1.16%
Tl 190.801	440.3	0.43110	mg/L	0.003889	0.43110	mg/L	0.003889	0.90%
V 292.402†	263289.3	2.2941	mg/L	0.00312	2.2941	mg/L	0.00312	0.14%
Zn 206.200†	53325.6	2.2447	mg/L	0.03633	2.2447	mg/L	0.03633	1.62%
Cd 226.502†	10008.9	0.23359	mg/L	0.004397	0.23359	mg/L	0.004397	1.88%
Ti 334.940†	955.6	0.00083	mg/L	0.000019	0.00083	mg/L	0.000019	2.24%
Ca 227.546†	3632.0	21.781	mg/L	0.1242	21.781	mg/L	0.1242	0.57%
Na 589.592	161363.7	23.053	mg/L	0.5650	23.053	mg/L	0.5650	2.45%
K 766.490	48637.5	23.305	mg/L	0.6317	23.305	mg/L	0.6317	2.71%

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Sequence No.: 36 **Autosampler Location: 40**
Sample ID: N1181-01A~SS-01-070914 **Date Collected: 7/16/2014 11:43:09 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:55 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-01A~SS-01-070914

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1717326.4	90.972	%	0.5013				0.55%
Lu 261.542	1035445.8	84.71	%	0.538				0.63%
Ag 328.068†	867.9	0.00096	mg/L	0.000380	0.00096	mg/L	0.000380	39.58%
Al 308.215†	4917824.0	240.73	mg/L	1.041	240.73	mg/L	1.041	0.43%
As 188.979†	67.7	0.16353	mg/L	0.011720	0.16353	mg/L	0.011720	7.17%
Ba 233.527†	434190.7	5.4673	mg/L	0.03109	5.4673	mg/L	0.03109	0.57%
Be 313.107†	14809.8	0.01602	mg/L	0.000101	0.01602	mg/L	0.000101	0.63%
Co 228.616†	3476.6	0.09967	mg/L	0.000647	0.09967	mg/L	0.000647	0.65%
Cr 267.716†	26992.0	0.40819	mg/L	0.003574	0.40819	mg/L	0.003574	0.88%
Cu 324.752†	195326.7	0.94836	mg/L	0.004219	0.94836	mg/L	0.004219	0.44%
Fe 273.955†	11379744.6	518.06	mg/L	0.857	518.06	mg/L	0.857	0.17%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	5167172.8	333.31	mg/L	0.988	333.31	mg/L	0.988	0.30%
Mn 257.610†	7872891.6	14.956	mg/L	0.0258	14.956	mg/L	0.0258	0.17%
Ni 231.604†	7029.7	0.29537	mg/L	0.002429	0.29537	mg/L	0.002429	0.82%
Pb 220.353†	33316.3	7.6076	mg/L	0.07501	7.6076	mg/L	0.07501	0.99%
Sb 206.836†	25.9	0.01101	mg/L	0.004780	0.01101	mg/L	0.004780	43.42%
Se 196.026†	-105.9	0.06516	mg/L	0.015533	0.06516	mg/L	0.015533	23.84%
Tl 190.801	-62.1	0.03594	mg/L	0.001237	0.03594	mg/L	0.001237	3.44%
V 292.402†	49149.7	0.45357	mg/L	0.003163	0.45357	mg/L	0.003163	0.70%
Zn 206.200†	184847.0	7.7549	mg/L	0.04668	7.7549	mg/L	0.04668	0.60%
Cd 226.502†	2338.6	0.03217	mg/L	0.000423	0.03217	mg/L	0.000423	1.32%
Ti 334.940†	3069749.5	5.3488	mg/L	0.02055	5.3488	mg/L	0.02055	0.38%
Ca 227.546†	225714.8	1390.1	mg/L	7.10	1390.1	mg/L	7.10	0.51%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	102409.2	14.503	mg/L	0.2799	14.503	mg/L	0.2799	1.93%
K 766.490	62784.8	30.084	mg/L	0.6030	30.084	mg/L	0.6030	2.00%

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Sequence No.: 37 **Autosampler Location: 41**
Sample ID: N1181-02A~SS-02-070914 **Date Collected: 7/16/2014 11:46:59 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:56 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-02A~SS-02-070914

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1710219.8	90.595	%	0.2518				0.28%
Lu 261.542	1029232.5	84.20	%	0.152				0.18%
Ag 328.068†	7.6	-0.00284	mg/L	0.000733	-0.00284	mg/L	0.000733	25.84%
Al 308.215†	4044201.6	197.83	mg/L	0.169	197.83	mg/L	0.169	0.09%
As 188.979†	25.5	0.10041	mg/L	0.008280	0.10041	mg/L	0.008280	8.25%
Ba 233.527†	224260.6	2.8242	mg/L	0.02758	2.8242	mg/L	0.02758	0.98%
Be 313.107†	-3253.5	0.00693	mg/L	0.000014	0.00693	mg/L	0.000014	0.20%
Co 228.616†	3639.2	0.10602	mg/L	0.001059	0.10602	mg/L	0.001059	1.00%
Cr 267.716†	18216.9	0.27586	mg/L	0.002129	0.27586	mg/L	0.002129	0.77%
Cu 324.752†	82076.8	0.40615	mg/L	0.003227	0.40615	mg/L	0.003227	0.79%
Fe 273.955†	7165574.0	326.20	mg/L	0.385	326.20	mg/L	0.385	0.12%
Mg 279.077†	5706219.8	367.96	mg/L	0.505	367.96	mg/L	0.505	0.14%
Mn 257.610†	4873652.5	9.2612	mg/L	0.00895	9.2612	mg/L	0.00895	0.10%
Ni 231.604†	6033.6	0.25283	mg/L	0.001662	0.25283	mg/L	0.001662	0.66%
Pb 220.353†	9603.9	2.2118	mg/L	0.01578	2.2118	mg/L	0.01578	0.71%
Sb 206.836†	-0.5	0.00494	mg/L	0.003772	0.00494	mg/L	0.003772	76.37%
Se 196.026†	-65.7	0.04626	mg/L	0.019351	0.04626	mg/L	0.019351	41.83%
Tl 190.801	-49.0	0.03110	mg/L	0.001564	0.03110	mg/L	0.001564	5.03%
V 292.402†	53467.8	0.48023	mg/L	0.004151	0.48023	mg/L	0.004151	0.86%
Zn 206.200†	74126.4	3.1051	mg/L	0.03779	3.1051	mg/L	0.03779	1.22%
Cd 226.502†	1311.5	0.01653	mg/L	0.000244	0.01653	mg/L	0.000244	1.48%
Ti 334.940†	2740445.6	4.7785	mg/L	0.00414	4.7785	mg/L	0.00414	0.09%
Ca 227.546†	275171.7	1691.4	mg/L	14.54	1691.4	mg/L	14.54	0.86%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	34158.7	4.7740	mg/L	0.04947	4.7740	mg/L	0.04947	1.04%
K 766.490	78458.8	37.594	mg/L	0.5413	37.594	mg/L	0.5413	1.44%

Sequence No.: 38 **Autosampler Location: 42**
Sample ID: N1181-03A~SS-03-070914 **Date Collected: 7/16/2014 11:50:43 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:56 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-03A~SS-03-070914

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1663564.4	88.124	%	0.7044				0.80%
Lu 261.542	1034004.7	84.59	%	0.430				0.51%
Ag 328.068†	5293.4	0.01409	mg/L	0.000476	0.01409	mg/L	0.000476	3.38%
Al 308.215†	3181546.0	155.74	mg/L	1.357	155.74	mg/L	1.357	0.87%
As 188.979†	-23.4	0.24669	mg/L	0.012699	0.24669	mg/L	0.012699	5.15%
Ba 233.527†	157645.9	1.9853	mg/L	0.01842	1.9853	mg/L	0.01842	0.93%
Be 313.107†	25398.4	0.02245	mg/L	0.000196	0.02245	mg/L	0.000196	0.87%
Co 228.616†	6446.8	0.19205	mg/L	0.003979	0.19205	mg/L	0.003979	2.07%
Cr 267.716†	139322.1	2.1102	mg/L	0.01796	2.1102	mg/L	0.01796	0.85%
Cu 324.752†	1045471.4	5.0326	mg/L	0.03773	5.0326	mg/L	0.03773	0.75%
Fe 273.955†	47381581.5	2157.2	mg/L	20.66	2157.2	mg/L	20.66	0.96%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	3086674.1	200.01	mg/L	1.753	200.01	mg/L	1.753	0.88%
Mn 257.610†	34735919.8	65.976	mg/L	0.2705	65.976	mg/L	0.2705	0.41%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	29275.9	1.2478	mg/L	0.02180	1.2478	mg/L	0.02180	1.75%
Pb 220.353†	58104.6	13.166	mg/L	0.1943	13.166	mg/L	0.1943	1.48%
Sb 206.836†	115.2	0.00106	mg/L	0.035339	0.00106	mg/L	0.035339	>999.9%
Se 196.026†	-572.0	0.01335	mg/L	0.045952	0.01335	mg/L	0.045952	344.08%
Tl 190.801	-349.8	-0.02835	mg/L	0.018203	-0.02835	mg/L	0.018203	64.20%
V 292.402†	44058.0	0.50777	mg/L	0.004523	0.50777	mg/L	0.004523	0.89%
Zn 206.200†	511238.1	21.440	mg/L	0.1735	21.440	mg/L	0.1735	0.81%
Cd 226.502†	12915.9	0.20793	mg/L	0.002977	0.20793	mg/L	0.002977	1.43%
Ti 334.940†	3625317.5	6.3136	mg/L	0.05408	6.3136	mg/L	0.05408	0.86%
Ca 227.546†	143556.8	903.83	mg/L	8.268	903.83	mg/L	8.268	0.91%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	31298.2	4.3881	mg/L	0.01425	4.3881	mg/L	0.01425	0.32%
K 766.490	43221.4	20.710	mg/L	0.0550	20.710	mg/L	0.0550	0.27%

Sequence No.: 39 **Autosampler Location: 43**
Sample ID: N1181-04A~SS-04-070914 **Date Collected: 7/16/2014 11:54:07 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:57 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-04A~SS-04-070914

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1648781.3	87.341	%	0.5090				0.58%
Lu 261.542	1017650.7	83.26	%	0.718				0.86%
Ag 328.068†	5028.8	0.00925	mg/L	0.000520	0.00925	mg/L	0.000520	5.62%
Al 308.215†	4033124.8	197.44	mg/L	1.544	197.44	mg/L	1.544	0.78%
As 188.979†	-19.5	0.31389	mg/L	0.026663	0.31389	mg/L	0.026663	8.49%
Ba 233.527†	181724.3	2.2888	mg/L	0.01767	2.2888	mg/L	0.01767	0.77%
Be 313.107†	31553.8	0.02668	mg/L	0.000175	0.02668	mg/L	0.000175	0.66%
Co 228.616†	7605.8	0.22719	mg/L	0.004687	0.22719	mg/L	0.004687	2.06%
Cr 267.716†	230993.3	3.5384	mg/L	0.02569	3.5384	mg/L	0.02569	0.73%
Cu 324.752†	1771280.7	8.4442	mg/L	0.05860	8.4442	mg/L	0.05860	0.69%
Fe 273.955†	54508004.9	2481.6	mg/L	15.84	2481.6	mg/L	15.84	0.64%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	3137430.1	203.44	mg/L	1.498	203.44	mg/L	1.498	0.74%
Mn 257.610†	Saturated2							
Ni 231.604†	34732.0	1.4808	mg/L	0.01674	1.4808	mg/L	0.01674	1.13%
Pb 220.353†	69205.8	15.685	mg/L	0.1426	15.685	mg/L	0.1426	0.91%
Sb 206.836†	223.6	0.05173	mg/L	0.022509	0.05173	mg/L	0.022509	43.51%
Se 196.026†	-764.0	-0.12562	mg/L	0.094674	-0.12562	mg/L	0.094674	75.37%
Tl 190.801	-429.4	0.05122	mg/L	0.042122	0.05122	mg/L	0.042122	82.24%
V 292.402†	68626.8	0.74273	mg/L	0.003484	0.74273	mg/L	0.003484	0.47%
Zn 206.200†	385715.3	16.157	mg/L	0.1253	16.157	mg/L	0.1253	0.78%
Cd 226.502†	15716.3	0.25918	mg/L	0.002642	0.25918	mg/L	0.002642	1.02%
Ti 334.940†	4103248.4	7.1471	mg/L	0.05013	7.1471	mg/L	0.05013	0.70%
Ca 227.546†	169166.1	1064.4	mg/L	8.51	1064.4	mg/L	8.51	0.80%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	31086.8	4.3354	mg/L	0.10059	4.3354	mg/L	0.10059	2.32%
K 766.490	47271.0	22.650	mg/L	0.5828	22.650	mg/L	0.5828	2.57%

Sequence No.: 40 **Autosampler Location: 44**
Sample ID: N1181-05A~SS-FD-01-07091 **Date Collected: 7/16/2014 11:57:18 AM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:58 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-05A~SS-FD-01-07091

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1714003.6	90.796	%	0.4195				0.46%
Lu 261.542	984964.7	80.58	%	0.406				0.50%
Ag 328.068†	4693.9	0.01068	mg/L	0.000649	0.01068	mg/L	0.000649	6.08%
Al 308.215†	6845436.2	335.04	mg/L	1.993	335.04	mg/L	1.993	0.59%
As 188.979†	-40.8	0.26125	mg/L	0.027253	0.26125	mg/L	0.027253	10.43%
Ba 233.527†	256453.7	3.2296	mg/L	0.02079	3.2296	mg/L	0.02079	0.64%
Be 313.107†	115159.7	0.06465	mg/L	0.000446	0.06465	mg/L	0.000446	0.69%
Co 228.616†	5818.1	0.16976	mg/L	0.004588	0.16976	mg/L	0.004588	2.70%
Cr 267.716†	168802.4	2.5858	mg/L	0.01696	2.5858	mg/L	0.01696	0.66%
Cu 324.752†	1084779.1	5.2128	mg/L	0.03532	5.2128	mg/L	0.03532	0.68%
Fe 273.955†	46337710.7	2109.6	mg/L	6.01	2109.6	mg/L	6.01	0.28%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	6444658.9	416.43	mg/L	2.817	416.43	mg/L	2.817	0.68%
Mn 257.610†	Saturated2							
Ni 231.604†	22502.2	0.95575	mg/L	0.012460	0.95575	mg/L	0.012460	1.30%
Pb 220.353†	49976.4	11.346	mg/L	0.1104	11.346	mg/L	0.1104	0.97%
Sb 206.836†	141.1	0.02441	mg/L	0.010041	0.02441	mg/L	0.010041	41.13%
Se 196.026†	-584.9	0.01329	mg/L	0.033568	0.01329	mg/L	0.033568	252.62%

Tl 190.801	-329.5	0.10762	mg/L	0.016709	0.10762	mg/L	0.016709	15.53%
V 292.402†	61095.1	0.65308	mg/L	0.005554	0.65308	mg/L	0.005554	0.85%
Zn 206.200†	336639.3	14.098	mg/L	0.0967	14.098	mg/L	0.0967	0.69%
Cd 226.502†	12325.7	0.19616	mg/L	0.000931	0.19616	mg/L	0.000931	0.47%
Ti 334.940†	4280607.6	7.4627	mg/L	0.04943	7.4627	mg/L	0.04943	0.66%
Ca 227.546†	345549.3	2142.4	mg/L	13.41	2142.4	mg/L	13.41	0.63%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	66593.5	9.3346	mg/L	0.12881	9.3346	mg/L	0.12881	1.38%
K 766.490	73397.7	35.169	mg/L	0.5104	35.169	mg/L	0.5104	1.45%

Sequence No.: 41 **Autosampler Location: 45**
Sample ID: N1181-06A~SS-05-070914 **Date Collected: 7/16/2014 12:00:29 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:58 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-06A~SS-05-070914

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1674949.4	88.727	%	0.3040				0.34%
Lu 261.542	1004996.5	82.22	%	0.116				0.14%
Ag 328.068†	5520.3	0.01301	mg/L	0.000305	0.01301	mg/L	0.000305	2.34%
Al 308.215†	5488203.4	268.69	mg/L	0.475	268.69	mg/L	0.475	0.18%
As 188.979†	-4.6	0.32240	mg/L	0.039203	0.32240	mg/L	0.039203	12.16%
Ba 233.527†	251678.7	3.1697	mg/L	0.00100	3.1697	mg/L	0.00100	0.03%
Be 313.107†	51034.7	0.03969	mg/L	0.000077	0.03969	mg/L	0.000077	0.19%
Co 228.616†	8525.6	0.25151	mg/L	0.002500	0.25151	mg/L	0.002500	0.99%
Cr 267.716†	144542.4	2.2143	mg/L	0.00144	2.2143	mg/L	0.00144	0.06%
Cu 324.752†	1050873.6	5.0781	mg/L	0.01610	5.0781	mg/L	0.01610	0.32%
Fe 273.955†	53720843.2	2445.8	mg/L	2.50	2445.8	mg/L	2.50	0.10%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	4165922.4	269.72	mg/L	0.126	269.72	mg/L	0.126	0.05%
Mn 257.610†	Saturated2							
Ni 231.604†	28768.5	1.2237	mg/L	0.01140	1.2237	mg/L	0.01140	0.93%
Pb 220.353†	46983.9	10.636	mg/L	0.0971	10.636	mg/L	0.0971	0.91%
Sb 206.836†	107.3	-0.01044	mg/L	0.010303	-0.01044	mg/L	0.010303	98.69%
Se 196.026†	-718.9	-0.06127	mg/L	0.074642	-0.06127	mg/L	0.074642	121.81%
Tl 190.801	-429.6	0.04729	mg/L	0.007341	0.04729	mg/L	0.007341	15.52%
V 292.402†	85637.2	0.88342	mg/L	0.002554	0.88342	mg/L	0.002554	0.29%
Zn 206.200†	459071.8	19.237	mg/L	0.0041	19.237	mg/L	0.0041	0.02%
Cd 226.502†	15156.9	0.24764	mg/L	0.001612	0.24764	mg/L	0.001612	0.65%
Ti 334.940†	5506168.3	9.5914	mg/L	0.01905	9.5914	mg/L	0.01905	0.20%
Ca 227.546†	226368.1	1414.9	mg/L	2.33	1414.9	mg/L	2.33	0.16%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	55822.2	7.8313	mg/L	0.17990	7.8313	mg/L	0.17990	2.30%
K 766.490	99146.0	47.506	mg/L	1.0607	47.506	mg/L	1.0607	2.23%

Sequence No.: 42 **Autosampler Location: 46**
Sample ID: N1181-07A~SS-06-070914 **Date Collected: 7/16/2014 12:03:40 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:39:59 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-07A~SS-06-070914

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1644938.0	87.137	%	0.4174				0.48%
Lu 261.542	965746.9	79.01	%	0.412				0.52%
Ag 328.068†	6042.5	0.01285	mg/L	0.000172	0.01285	mg/L	0.000172	1.34%
Al 308.215†	7747509.1	379.33	mg/L	0.746	379.33	mg/L	0.746	0.20%
As 188.979†	17.8	0.39376	mg/L	0.050661	0.39376	mg/L	0.050661	12.87%
Ba 233.527†	307806.3	3.8762	mg/L	0.01555	3.8762	mg/L	0.01555	0.40%
Be 313.107†	74613.8	0.05621	mg/L	0.000191	0.05621	mg/L	0.000191	0.34%
Co 228.616†	9715.4	0.28244	mg/L	0.005304	0.28244	mg/L	0.005304	1.88%
Cr 267.716†	123571.9	1.8930	mg/L	0.00602	1.8930	mg/L	0.00602	0.32%

Cu 324.752†	1182977.9	5.7195	mg/L	0.01676	5.7195	mg/L	0.01676	0.29%
Fe 273.955†	61448709.1	2797.6	mg/L	21.76	2797.6	mg/L	21.76	0.78%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	5333145.5	345.12	mg/L	1.090	345.12	mg/L	1.090	0.32%
Mn 257.610†	Saturated2							
Ni 231.604†	26748.8	1.1348	mg/L	0.01861	1.1348	mg/L	0.01861	1.64%
Pb 220.353†	36742.8	8.3024	mg/L	0.12137	8.3024	mg/L	0.12137	1.46%
Sb 206.836†	109.7	-0.01263	mg/L	0.030735	-0.01263	mg/L	0.030735	243.41%
Se 196.026†	-950.9	-0.29009	mg/L	0.032440	-0.29009	mg/L	0.032440	11.18%
Tl 190.801	-483.3	0.06525	mg/L	0.016730	0.06525	mg/L	0.016730	25.64%
V 292.402†	67580.6	0.74268	mg/L	0.007289	0.74268	mg/L	0.007289	0.98%
Zn 206.200†	807761.1	33.886	mg/L	0.0763	33.886	mg/L	0.0763	0.23%
Cd 226.502†	19744.2	0.33922	mg/L	0.003413	0.33922	mg/L	0.003413	1.01%
Ti 334.940†	7462610.2	13.000	mg/L	0.1196	13.000	mg/L	0.1196	0.92%
Ca 227.546†	297927.6	1857.7	mg/L	3.56	1857.7	mg/L	3.56	0.19%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	246657.2	35.040	mg/L	0.2935	35.040	mg/L	0.2935	0.84%
K 766.490	113071.4	54.178	mg/L	0.4370	54.178	mg/L	0.4370	0.81%

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Sequence No.: 43 **Autosampler Location: 47**
Sample ID: N1181-08A~SS-07-070914 **Date Collected: 7/16/2014 12:07:12 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:00 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-08A~SS-07-070914

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1711174.5	90.646	%	0.1069				0.12%
Lu 261.542	1052758.6	86.13	%	0.302				0.35%
Ag 328.068†	5003.3	0.01495	mg/L	0.000405	0.01495	mg/L	0.000405	2.71%
Al 308.215†	3525489.3	172.60	mg/L	0.867	172.60	mg/L	0.867	0.50%
As 188.979†	2.4	0.23676	mg/L	0.005203	0.23676	mg/L	0.005203	2.20%
Ba 233.527†	143743.9	1.8102	mg/L	0.02280	1.8102	mg/L	0.02280	1.26%
Be 313.107†	37472.3	0.02589	mg/L	0.000308	0.02589	mg/L	0.000308	1.19%
Co 228.616†	5270.2	0.15699	mg/L	0.000976	0.15699	mg/L	0.000976	0.62%
Cr 267.716†	86133.9	1.2976	mg/L	0.01671	1.2976	mg/L	0.01671	1.29%
Cu 324.752†	720392.7	3.4948	mg/L	0.01596	3.4948	mg/L	0.01596	0.46%
Fe 273.955†	41110980.0	1871.7	mg/L	3.23	1871.7	mg/L	3.23	0.17%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	3007401.2	194.76	mg/L	0.945	194.76	mg/L	0.945	0.49%
Mn 257.610†	31685380.7	60.183	mg/L	0.0519	60.183	mg/L	0.0519	0.09%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	16558.9	0.70430	mg/L	0.003084	0.70430	mg/L	0.003084	0.44%
Pb 220.353†	42718.3	9.6745	mg/L	0.10706	9.6745	mg/L	0.10706	1.11%
Sb 206.836†	93.8	0.00283	mg/L	0.008490	0.00283	mg/L	0.008490	299.82%
Se 196.026†	-491.2	0.02040	mg/L	0.021549	0.02040	mg/L	0.021549	105.65%
Tl 190.801	-271.3	0.00719	mg/L	0.004220	0.00719	mg/L	0.004220	58.69%
V 292.402†	36303.8	0.42300	mg/L	0.004480	0.42300	mg/L	0.004480	1.06%
Zn 206.200†	405880.8	17.016	mg/L	0.2257	17.016	mg/L	0.2257	1.33%
Cd 226.502†	9731.5	0.14596	mg/L	0.002612	0.14596	mg/L	0.002612	1.79%
Ti 334.940†	2980541.5	5.1918	mg/L	0.02327	5.1918	mg/L	0.02327	0.45%
Ca 227.546†	143914.1	902.97	mg/L	10.723	902.97	mg/L	10.723	1.19%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	33510.5	4.6951	mg/L	0.03574	4.6951	mg/L	0.03574	0.76%
K 766.490	84292.0	40.389	mg/L	0.2766	40.389	mg/L	0.2766	0.68%

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Sequence No.: 44 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 12:11:24 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:00 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected	Calib.			Sample			

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 360.073	1832241.3	97.059	%	0.7551				0.78%
Lu 261.542	1194697.6	97.74	%	0.784				0.80%
Ag 328.068†	196346.1	1.3132	mg/L	0.02364	1.3132	mg/L	0.02364	1.80%
QC value within limits for Ag 328.068 Recovery = 105.06%								
Al 308.215†	208060.0	10.167	mg/L	0.1905	10.167	mg/L	0.1905	1.87%
QC value within limits for Al 308.215 Recovery = 101.67%								
As 188.979†	451.8	0.51085	mg/L	0.005898	0.51085	mg/L	0.005898	1.15%
QC value within limits for As 188.979 Recovery = 102.17%								
Ba 233.527†	813305.0	10.243	mg/L	0.0074	10.243	mg/L	0.0074	0.07%
QC value within limits for Ba 233.527 Recovery = 102.43%								
Be 313.107†	559602.8	0.25150	mg/L	0.000164	0.25150	mg/L	0.000164	0.07%
QC value within limits for Be 313.107 Recovery = 100.60%								
Co 228.616†	77189.4	2.4545	mg/L	0.05172	2.4545	mg/L	0.05172	2.11%
QC value within limits for Co 228.616 Recovery = 98.18%								
Cr 267.716†	64406.2	0.98666	mg/L	0.020188	0.98666	mg/L	0.020188	2.05%
QC value within limits for Cr 267.716 Recovery = 98.67%								
Cu 324.752†	262975.7	1.2285	mg/L	0.02289	1.2285	mg/L	0.02289	1.86%
QC value within limits for Cu 324.752 Recovery = 98.28%								
Fe 273.955†	115730.3	5.3573	mg/L	0.13218	5.3573	mg/L	0.13218	2.47%
QC value within limits for Fe 273.955 Recovery = 107.15%								
Mg 279.077†	399947.1	25.781	mg/L	0.0221	25.781	mg/L	0.0221	0.09%
QC value within limits for Mg 279.077 Recovery = 103.13%								
Mn 257.610†	1349455.8	2.5622	mg/L	0.00224	2.5622	mg/L	0.00224	0.09%
QC value within limits for Mn 257.610 Recovery = 102.49%								
Ni 231.604†	59109.0	2.5290	mg/L	0.05429	2.5290	mg/L	0.05429	2.15%
QC value within limits for Ni 231.604 Recovery = 101.16%								
Pb 220.353†	2263.3	0.51614	mg/L	0.004092	0.51614	mg/L	0.004092	0.79%
QC value within limits for Pb 220.353 Recovery = 103.23%								
Sb 206.836†	661.0	0.47030	mg/L	0.004623	0.47030	mg/L	0.004623	0.98%
QC value within limits for Sb 206.836 Recovery = 94.06%								
Se 196.026†	288.9	0.50414	mg/L	0.001013	0.50414	mg/L	0.001013	0.20%
QC value within limits for Se 196.026 Recovery = 100.83%								
Tl 190.801	488.0	0.47802	mg/L	0.001861	0.47802	mg/L	0.001861	0.39%
QC value within limits for Tl 190.801 Recovery = 95.60%								
V 292.402†	286141.3	2.4926	mg/L	0.04998	2.4926	mg/L	0.04998	2.01%
QC value within limits for V 292.402 Recovery = 99.71%								
Zn 206.200†	60831.3	2.5604	mg/L	0.05423	2.5604	mg/L	0.05423	2.12%
QC value within limits for Zn 206.200 Recovery = 102.42%								
Cd 226.502†	10675.5	0.24918	mg/L	0.005714	0.24918	mg/L	0.005714	2.29%
QC value within limits for Cd 226.502 Recovery = 99.67%								
Ti 334.940†	283633.3	0.49273	mg/L	0.001543	0.49273	mg/L	0.001543	0.31%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4019.0	24.110	mg/L	0.1315	24.110	mg/L	0.1315	0.55%
QC value within limits for Ca 227.546 Recovery = 96.44%								
Na 589.592	184906.7	26.416	mg/L	0.2586	26.416	mg/L	0.2586	0.98%
QC value within limits for Na 589.592 Recovery = 105.66%								
K 766.490	55466.8	26.577	mg/L	0.2507	26.577	mg/L	0.2507	0.94%
QC value within limits for K 766.490 Recovery = 106.31%								

All analyte(s) passed QC.

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Sequence No.: 45 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 12:15:09 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:01 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1882162.7	99.703	%	0.5163				0.52%
Lu 261.542	1219635.0	99.78	%	0.652				0.65%
Ag 328.068†	50.1	0.00033	mg/L	0.000433	0.00033	mg/L	0.000433	129.56%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	218.8	0.01073	mg/L	0.002237	0.01073	mg/L	0.002237	20.85%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	5.2	0.00584	mg/L	0.004298	0.00584	mg/L	0.004298	73.61%
QC value within limits for As 188.979 Recovery = Not calculated								

Ba 233.527†	66.1	0.00083 mg/L	0.000199	0.00083 mg/L	0.000199	23.92%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	13.4	0.00001 mg/L	0.000032	0.00001 mg/L	0.000032	491.48%
QC value within limits for Be 313.107 Recovery = Not calculated						
Co 228.616†	5.2	0.00017 mg/L	0.000108	0.00017 mg/L	0.000108	64.88%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	7.2	0.00011 mg/L	0.000144	0.00011 mg/L	0.000144	131.69%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	170.9	0.00080 mg/L	0.000105	0.00080 mg/L	0.000105	13.13%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 273.955†	1489.6	0.06783 mg/L	0.011454	0.06783 mg/L	0.011454	16.89%
QC value within limits for Fe 273.955 Recovery = Not calculated						
Mg 279.077†	101.1	0.00655 mg/L	0.003216	0.00655 mg/L	0.003216	49.09%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	1177.3	0.00224 mg/L	0.000329	0.00224 mg/L	0.000329	14.71%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Ni 231.604†	6.2	0.00026 mg/L	0.000208	0.00026 mg/L	0.000208	78.89%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	23.4	0.00532 mg/L	0.000881	0.00532 mg/L	0.000881	16.57%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	0.2	0.00017 mg/L	0.002279	0.00017 mg/L	0.002279	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-1.8	-0.00302 mg/L	0.005213	-0.00302 mg/L	0.005213	172.87%
QC value within limits for Se 196.026 Recovery = Not calculated						
Tl 190.801	-2.1	-0.00223 mg/L	0.002995	-0.00223 mg/L	0.002995	134.59%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	44.9	0.00040 mg/L	0.000569	0.00040 mg/L	0.000569	144.09%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 206.200†	303.7	0.01277 mg/L	0.000571	0.01277 mg/L	0.000571	4.47%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Cd 226.502†	2.7	0.00006 mg/L	0.000117	0.00006 mg/L	0.000117	193.29%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Ti 334.940†	162.7	0.00028 mg/L	0.000147	0.00028 mg/L	0.000147	52.03%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ca 227.546†	-6.5	-0.03931 mg/L	0.020874	-0.03931 mg/L	0.020874	53.10%
QC value within limits for Ca 227.546 Recovery = Not calculated						
Na 589.592	353.4	0.05049 mg/L	0.009979	0.05049 mg/L	0.009979	19.76%
QC value within limits for Na 589.592 Recovery = Not calculated						
K 766.490	191.7	0.09184 mg/L	0.040364	0.09184 mg/L	0.040364	43.95%
QC value within limits for K 766.490 Recovery = Not calculated						

All analyte(s) passed QC.

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Sequence No.: 46 **Autosampler Location: 48**
Sample ID: N1181-09A~SS-08-070914 **Date Collected: 7/16/2014 12:18:49 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:02 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-09A~SS-08-070914

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1656541.6	87.752	%	0.1910				0.22%
Lu 261.542	1035338.5	84.70	%	0.292				0.34%
Ag 328.068†	19154.3	0.10322	mg/L	0.000657	0.10322	mg/L	0.000657	0.64%
Al 308.215†	5216495.2	255.52	mg/L	0.468	255.52	mg/L	0.468	0.18%
As 188.979†	117.2	0.43811	mg/L	0.040173	0.43811	mg/L	0.040173	9.17%
Ba 233.527†	256203.3	3.2262	mg/L	0.00439	3.2262	mg/L	0.00439	0.14%
Be 313.107†	95379.5	0.05196	mg/L	0.000122	0.05196	mg/L	0.000122	0.24%
Co 228.616†	6580.0	0.19840	mg/L	0.001939	0.19840	mg/L	0.001939	0.98%
Cr 267.716†	129598.4	1.9603	mg/L	0.00390	1.9603	mg/L	0.00390	0.20%
Cu 324.752†	746786.2	3.6619	mg/L	0.00797	3.6619	mg/L	0.00797	0.22%
Fe 273.955†	54865786.9	2497.9	mg/L	12.93	2497.9	mg/L	12.93	0.52%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2873107.9	186.41	mg/L	0.368	186.41	mg/L	0.368	0.20%
Mn 257.610†	36160680.9	68.683	mg/L	0.1865	68.683	mg/L	0.1865	0.27%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	29977.7	1.2785	mg/L	0.01350	1.2785	mg/L	0.01350	1.06%
Pb 220.353†	144121.5	32.760	mg/L	0.0471	32.760	mg/L	0.0471	0.14%

Sb 206.836†	202.2	0.04901 mg/L	0.013766	0.04901 mg/L	0.013766	28.09%
Se 196.026†	-801.6	-0.22032 mg/L	0.085087	-0.22032 mg/L	0.085087	38.62%
Tl 190.801	-319.3	0.06117 mg/L	0.039380	0.06117 mg/L	0.039380	64.38%
V 292.402†	39725.4	0.49073 mg/L	0.001979	0.49073 mg/L	0.001979	0.40%
Zn 206.200†	952945.2	40.001 mg/L	0.0676	40.001 mg/L	0.0676	0.17%
Cd 226.502†	20322.0	0.36565 mg/L	0.001301	0.36565 mg/L	0.001301	0.36%
Ti 334.940†	3029270.1	5.2752 mg/L	0.01513	5.2752 mg/L	0.01513	0.29%
Ca 227.546†	125010.5	793.79 mg/L	4.056	793.79 mg/L	4.056	0.51%
Concentration greater than upper limit for Ca 227.546.						
Na 589.592	98345.2	13.915 mg/L	0.1183	13.915 mg/L	0.1183	0.85%
K 766.490	160022.2	76.675 mg/L	0.8101	76.675 mg/L	0.8101	1.06%

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Sequence No.: 47 **Autosampler Location: 49**
Sample ID: N1181-10A~SS-09-070914 **Date Collected: 7/16/2014 12:22:16 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:03 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-10A~SS-09-070914

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1710363.2	90.603	%	0.2781				0.31%
Lu 261.542	1039429.5	85.04	%	0.497				0.58%
Ag 328.068†	4330.3	0.01042	mg/L	0.000303	0.01042	mg/L	0.000303	2.91%
Al 308.215†	3561636.0	174.30	mg/L	0.811	174.30	mg/L	0.811	0.47%
As 188.979†	-9.5	0.22745	mg/L	0.008792	0.22745	mg/L	0.008792	3.87%
Ba 233.527†	166183.5	2.0928	mg/L	0.01979	2.0928	mg/L	0.01979	0.95%
Be 313.107†	46227.8	0.03007	mg/L	0.000306	0.03007	mg/L	0.000306	1.02%
Co 228.616†	5077.7	0.15056	mg/L	0.002002	0.15056	mg/L	0.002002	1.33%
Cr 267.716†	72460.4	1.0865	mg/L	0.01195	1.0865	mg/L	0.01195	1.10%
Cu 324.752†	712252.0	3.4570	mg/L	0.01497	3.4570	mg/L	0.01497	0.43%
Fe 273.955†	41196567.7	1875.6	mg/L	6.04	1875.6	mg/L	6.04	0.32%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	3907593.2	252.78	mg/L	1.405	252.78	mg/L	1.405	0.56%
Mn 257.610†	34009385.2	64.597	mg/L	0.8084	64.597	mg/L	0.8084	1.25%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	15901.8	0.67568	mg/L	0.004995	0.67568	mg/L	0.004995	0.74%
Pb 220.353†	28622.8	6.4654	mg/L	0.04359	6.4654	mg/L	0.04359	0.67%
Sb 206.836†	87.5	0.00494	mg/L	0.004537	0.00494	mg/L	0.004537	91.90%
Se 196.026†	-495.2	0.01364	mg/L	0.011366	0.01364	mg/L	0.011366	83.35%
Tl 190.801	-273.6	0.00737	mg/L	0.004842	0.00737	mg/L	0.004842	65.70%
V 292.402†	37011.3	0.42879	mg/L	0.003201	0.42879	mg/L	0.003201	0.75%
Zn 206.200†	336410.2	14.094	mg/L	0.1469	14.094	mg/L	0.1469	1.04%
Cd 226.502†	9571.3	0.14205	mg/L	0.002074	0.14205	mg/L	0.002074	1.46%
Ti 334.940†	3067545.7	5.3451	mg/L	0.03017	5.3451	mg/L	0.03017	0.56%
Ca 227.546†	192015.0	1198.1	mg/L	12.63	1198.1	mg/L	12.63	1.05%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	35315.7	4.9521	mg/L	0.01802	4.9521	mg/L	0.01802	0.36%
K 766.490	75680.9	36.263	mg/L	0.1494	36.263	mg/L	0.1494	0.41%

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Sequence No.: 48 **Autosampler Location: 50**
Sample ID: N1181-11A~SS-10-070914 **Date Collected: 7/16/2014 12:26:29 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:03 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-11A~SS-10-070914

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1710847.6	90.628	%	0.6079				0.67%
Lu 261.542	1034632.6	84.65	%	0.619				0.73%
Ag 328.068†	2322.0	0.00062	mg/L	0.000537	0.00062	mg/L	0.000537	86.38%
Al 308.215†	3624608.0	177.33	mg/L	1.598	177.33	mg/L	1.598	0.90%
As 188.979†	177.5	0.40686	mg/L	0.002028	0.40686	mg/L	0.002028	0.50%
Ba 233.527†	876853.9	11.041	mg/L	0.1021	11.041	mg/L	0.1021	0.92%

Be 313.107†	9351.6	0.01536 mg/L	0.000155	0.01536 mg/L	0.000155	1.01%
Co 228.616†	5616.6	0.16564 mg/L	0.001288	0.16564 mg/L	0.001288	0.78%
Cr 267.716†	78544.8	1.1885 mg/L	0.00241	1.1885 mg/L	0.00241	0.20%
Cu 324.752†	368133.1	1.8275 mg/L	0.00543	1.8275 mg/L	0.00543	0.30%
Fe 273.955†	34009512.8	1548.4 mg/L	1.75	1548.4 mg/L	1.75	0.11%
Concentration greater than upper limit for Fe 273.955.						
Mg 279.077†	3864125.7	249.82 mg/L	2.326	249.82 mg/L	2.326	0.93%
Mn 257.610†	21605083.7	41.041 mg/L	0.3220	41.041 mg/L	0.3220	0.78%
Ni 231.604†	15516.9	0.65861 mg/L	0.003206	0.65861 mg/L	0.003206	0.49%
Pb 220.353†	71918.4	16.351 mg/L	0.0284	16.351 mg/L	0.0284	0.17%
Sb 206.836†	107.1	0.03183 mg/L	0.001946	0.03183 mg/L	0.001946	6.12%
Se 196.026†	-376.4	0.07814 mg/L	0.012352	0.07814 mg/L	0.012352	15.81%
Tl 190.801	-203.8	0.05321 mg/L	0.010930	0.05321 mg/L	0.010930	20.54%
V 292.402†	85505.8	0.83094 mg/L	0.002177	0.83094 mg/L	0.002177	0.26%
Zn 206.200†	456364.9	19.147 mg/L	0.0202	19.147 mg/L	0.0202	0.11%
Cd 226.502†	7734.2	0.11341 mg/L	0.001096	0.11341 mg/L	0.001096	0.97%
Ti 334.940†	3650580.5	6.3632 mg/L	0.06510	6.3632 mg/L	0.06510	1.02%
Ca 227.546†	229954.8	1427.2 mg/L	2.69	1427.2 mg/L	2.69	0.19%
Concentration greater than upper limit for Ca 227.546.						
Na 589.592	49317.3	6.9512 mg/L	0.03891	6.9512 mg/L	0.03891	0.56%
K 766.490	54932.0	26.321 mg/L	0.0793	26.321 mg/L	0.0793	0.30%

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Sequence No.: 49 **Autosampler Location: 51**
Sample ID: N1181-12A~SS-FD-02-07091 **Date Collected: 7/16/2014 12:30:42 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:04 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-12A~SS-FD-02-07091

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1723185.7	91.282 %		1.4830				1.62%
Lu 261.542	1035183.8	84.69 %		0.109				0.13%
Ag 328.068†	2221.7	0.00423 mg/L		0.000218	0.00423 mg/L		0.000218	5.16%
Al 308.215†	3585541.2	175.40 mg/L		3.441	175.40 mg/L		3.441	1.96%
As 188.979†	181.4	0.36152 mg/L		0.014931	0.36152 mg/L		0.014931	4.13%
Ba 233.527†	885659.0	11.152 mg/L		0.2107	11.152 mg/L		0.2107	1.89%
Be 313.107†	16650.7	0.01573 mg/L		0.000140	0.01573 mg/L		0.000140	0.89%
Co 228.616†	4902.6	0.14628 mg/L		0.000970	0.14628 mg/L		0.000970	0.66%
Cr 267.716†	63546.9	0.96249 mg/L		0.008243	0.96249 mg/L		0.008243	0.86%
Cu 324.752†	370294.6	1.8064 mg/L		0.01436	1.8064 mg/L		0.01436	0.80%
Fe 273.955†	24269999.0	1104.9 mg/L		0.85	1104.9 mg/L		0.85	0.08%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	4691147.9	302.91 mg/L		6.065	302.91 mg/L		6.065	2.00%
Mn 257.610†	16077527.1	30.541 mg/L		0.0356	30.541 mg/L		0.0356	0.12%
Ni 231.604†	15243.4	0.64746 mg/L		0.002246	0.64746 mg/L		0.002246	0.35%
Pb 220.353†	62115.7	14.137 mg/L		0.1498	14.137 mg/L		0.1498	1.06%
Sb 206.836†	65.2	0.01801 mg/L		0.003990	0.01801 mg/L		0.003990	22.15%
Se 196.026†	-242.6	0.10162 mg/L		0.013605	0.10162 mg/L		0.013605	13.39%
Tl 190.801	-135.0	0.05854 mg/L		0.007823	0.05854 mg/L		0.007823	13.37%
V 292.402†	62768.2	0.60827 mg/L		0.004378	0.60827 mg/L		0.004378	0.72%
Zn 206.200†	405928.7	17.037 mg/L		0.1650	17.037 mg/L		0.1650	0.97%
Cd 226.502†	5397.3	0.07814 mg/L		0.001279	0.07814 mg/L		0.001279	1.64%
Ti 334.940†	2705159.1	4.7167 mg/L		0.08640	4.7167 mg/L		0.08640	1.83%
Ca 227.546†	242596.5	1500.0 mg/L		12.54	1500.0 mg/L		12.54	0.84%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	44590.7	6.2768 mg/L		0.01437	6.2768 mg/L		0.01437	0.23%
K 766.490	65189.2	31.236 mg/L		0.0897	31.236 mg/L		0.0897	0.29%

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Sequence No.: 50 **Autosampler Location: 52**
Sample ID: N1194-01A~SS-11-071014 **Date Collected: 7/16/2014 12:34:46 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:05 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-01A~SS-11-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1714601.9	90.827	%	0.8954				0.99%
Lu 261.542	1039520.4	85.05	%	1.207				1.42%
Ag 328.068†	3509.6	0.00167	mg/L	0.000550	0.00167	mg/L	0.000550	32.89%
Al 308.215†	3873125.1	189.63	mg/L	1.357	189.63	mg/L	1.357	0.72%
As 188.979†	79.8	0.37218	mg/L	0.020273	0.37218	mg/L	0.020273	5.45%
Ba 233.527†	159979.5	2.0149	mg/L	0.01734	2.0149	mg/L	0.01734	0.86%
Be 313.107†	36780.3	0.02882	mg/L	0.000226	0.02882	mg/L	0.000226	0.78%
Co 228.616†	7786.7	0.23324	mg/L	0.002906	0.23324	mg/L	0.002906	1.25%
Cr 267.716†	161907.8	2.4577	mg/L	0.01808	2.4577	mg/L	0.01808	0.74%
Cu 324.752†	847441.1	4.1121	mg/L	0.02966	4.1121	mg/L	0.02966	0.72%
Fe 273.955†	48684413.0	2216.5	mg/L	30.60	2216.5	mg/L	30.60	1.38%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2588734.7	167.94	mg/L	1.179	167.94	mg/L	1.179	0.70%
Mn 257.610†	32614564.1	61.949	mg/L	0.7365	61.949	mg/L	0.7365	1.19%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	24961.4	1.0630	mg/L	0.02232	1.0630	mg/L	0.02232	2.10%
Pb 220.353†	27628.6	6.2224	mg/L	0.11478	6.2224	mg/L	0.11478	1.84%
Sb 206.836†	137.0	0.00970	mg/L	0.008234	0.00970	mg/L	0.008234	84.89%
Se 196.026†	-597.9	0.00181	mg/L	0.030670	0.00181	mg/L	0.030670	>999.9%
Tl 190.801	-346.6	-0.01030	mg/L	0.020032	-0.01030	mg/L	0.020032	194.50%
V 292.402†	57104.9	0.62481	mg/L	0.006403	0.62481	mg/L	0.006403	1.02%
Zn 206.200†	362546.9	15.187	mg/L	0.1032	15.187	mg/L	0.1032	0.68%
Cd 226.502†	12329.6	0.19167	mg/L	0.000682	0.19167	mg/L	0.000682	0.36%
Ti 334.940†	4039248.8	7.0355	mg/L	0.05196	7.0355	mg/L	0.05196	0.74%
Ca 227.546†	147631.9	929.48	mg/L	7.385	929.48	mg/L	7.385	0.79%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	37429.8	5.2459	mg/L	0.04055	5.2459	mg/L	0.04055	0.77%
K 766.490	63688.9	30.517	mg/L	0.2392	30.517	mg/L	0.2392	0.78%

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Sequence No.: 51 **Autosampler Location: 53**
Sample ID: N1194-01ADUP~SS-11-07101 **Date Collected: 7/16/2014 12:38:11 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:05 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-01ADUP~SS-11-07101

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1689263.8	89.485	%	0.4384				0.49%
Lu 261.542	1002891.1	82.05	%	0.791				0.96%
Ag 328.068†	4914.9	0.00828	mg/L	0.000194	0.00828	mg/L	0.000194	2.34%
Al 308.215†	5858271.7	286.85	mg/L	3.838	286.85	mg/L	3.838	1.34%
As 188.979†	-8.1	0.32057	mg/L	0.022335	0.32057	mg/L	0.022335	6.97%
Ba 233.527†	250938.8	3.1602	mg/L	0.04289	3.1602	mg/L	0.04289	1.36%
Be 313.107†	57893.0	0.04073	mg/L	0.000554	0.04073	mg/L	0.000554	1.36%
Co 228.616†	7913.0	0.23439	mg/L	0.007127	0.23439	mg/L	0.007127	3.04%
Cr 267.716†	127098.6	1.9470	mg/L	0.02607	1.9470	mg/L	0.02607	1.34%
Cu 324.752†	965756.6	4.6842	mg/L	0.05893	4.6842	mg/L	0.05893	1.26%
Fe 273.955†	54847074.6	2497.0	mg/L	24.22	2497.0	mg/L	24.22	0.97%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	3835096.7	248.42	mg/L	3.355	248.42	mg/L	3.355	1.35%
Mn 257.610†	Saturated2							
Ni 231.604†	25085.2	1.0670	mg/L	0.02857	1.0670	mg/L	0.02857	2.68%
Pb 220.353†	41147.1	9.3039	mg/L	0.26532	9.3039	mg/L	0.26532	2.85%
Sb 206.836†	130.9	0.00530	mg/L	0.004821	0.00530	mg/L	0.004821	90.98%
Se 196.026†	-807.1	-0.18904	mg/L	0.083508	-0.18904	mg/L	0.083508	44.18%
Tl 190.801	-430.3	0.05633	mg/L	0.051551	0.05633	mg/L	0.051551	91.52%
V 292.402†	60582.2	0.66893	mg/L	0.011051	0.66893	mg/L	0.011051	1.65%
Zn 206.200†	564679.1	23.675	mg/L	0.3187	23.675	mg/L	0.3187	1.35%
Cd 226.502†	15583.5	0.25531	mg/L	0.003246	0.25531	mg/L	0.003246	1.27%
Ti 334.940†	4846020.9	8.4423	mg/L	0.11711	8.4423	mg/L	0.11711	1.39%
Ca 227.546†	213947.3	1339.3	mg/L	18.15	1339.3	mg/L	18.15	1.36%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	48366.6	6.7562	mg/L	0.09556	6.7562	mg/L	0.09556	1.41%
K 766.490	96775.3	46.370	mg/L	0.7380	46.370	mg/L	0.7380	1.59%

Sequence No.: 52 **Autosampler Location: 54**
Sample ID: N1194-01AMS~SS-11-071014 **Date Collected: 7/16/2014 12:41:34 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:06 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-01AMS~SS-11-071014

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1728159.3	91.545	%	0.6903				0.75%
Lu 261.542	1030884.5	84.34	%	0.606				0.72%
Ag 328.068†	183768.8	1.2128	mg/L	0.01021	1.2128	mg/L	0.01021	0.84%
Al 308.215†	5657680.3	276.98	mg/L	3.179	276.98	mg/L	3.179	1.15%
As 188.979†	390.2	0.65849	mg/L	0.019172	0.65849	mg/L	0.019172	2.91%
Ba 233.527†	825448.3	10.396	mg/L	0.1291	10.396	mg/L	0.1291	1.24%
Be 313.107†	506645.4	0.23889	mg/L	0.002884	0.23889	mg/L	0.002884	1.21%
Co 228.616†	64702.8	2.0443	mg/L	0.01819	2.0443	mg/L	0.01819	0.89%
Cr 267.716†	139551.8	2.1170	mg/L	0.01755	2.1170	mg/L	0.01755	0.83%
Cu 324.752†	983074.7	4.7053	mg/L	0.05143	4.7053	mg/L	0.05143	1.09%
Fe 273.955†	36024734.2	1640.2	mg/L	2.04	1640.2	mg/L	2.04	0.12%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2845231.4	184.19	mg/L	2.291	184.19	mg/L	2.291	1.24%
Mn 257.610†	31245671.0	59.354	mg/L	0.4478	59.354	mg/L	0.4478	0.75%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	63190.7	2.6990	mg/L	0.02545	2.6990	mg/L	0.02545	0.94%
Pb 220.353†	25060.8	5.6767	mg/L	0.06880	5.6767	mg/L	0.06880	1.21%
Sb 206.836†	367.4	0.20134	mg/L	0.010557	0.20134	mg/L	0.010557	5.24%
Se 196.026†	-172.9	0.47281	mg/L	0.009004	0.47281	mg/L	0.009004	1.90%
Tl 190.801	59.7	0.29236	mg/L	0.009148	0.29236	mg/L	0.009148	3.13%
V 292.402†	267210.0	2.4195	mg/L	0.02528	2.4195	mg/L	0.02528	1.04%
Zn 206.200†	336372.9	14.100	mg/L	0.1259	14.100	mg/L	0.1259	0.89%
Cd 226.502†	16154.5	0.30617	mg/L	0.001316	0.30617	mg/L	0.001316	0.43%
Ti 334.940†	3921551.9	6.8372	mg/L	0.08693	6.8372	mg/L	0.08693	1.27%
Ca 227.546†	230533.8	1431.3	mg/L	14.40	1431.3	mg/L	14.40	1.01%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	186156.1	26.450	mg/L	0.5419	26.450	mg/L	0.5419	2.05%
K 766.490	109659.7	52.544	mg/L	1.0455	52.544	mg/L	1.0455	1.99%

Sequence No.: 53 **Autosampler Location: 55**
Sample ID: N1194-01ASD~SS-11-071014 **Date Collected: 7/16/2014 12:45:49 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:07 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-01ASD~SS-11-071014

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1803684.9	95.546	%	0.3502				0.37%
Lu 261.542	1157975.5	94.74	%	0.384				0.40%
Ag 328.068†	1058.5	0.00062	mg/L	0.000200	0.00062	mg/L	0.000200	31.97%
Al 308.215†	754168.0	36.926	mg/L	0.1911	36.926	mg/L	0.1911	0.52%
As 188.979†	5.2	0.08619	mg/L	0.003125	0.08619	mg/L	0.003125	3.63%
Ba 233.527†	33652.0	0.42383	mg/L	0.002282	0.42383	mg/L	0.002282	0.54%
Be 313.107†	8041.0	0.00614	mg/L	0.000082	0.00614	mg/L	0.000082	1.34%
Co 228.616†	1778.6	0.05360	mg/L	0.000419	0.05360	mg/L	0.000419	0.78%
Cr 267.716†	34053.0	0.51620	mg/L	0.002949	0.51620	mg/L	0.002949	0.57%
Cu 324.752†	162055.8	0.80241	mg/L	0.005520	0.80241	mg/L	0.005520	0.69%
Fe 273.955†	14336779.7	652.72	mg/L	0.153	652.72	mg/L	0.153	0.02%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	568685.4	36.975	mg/L	0.1888	36.975	mg/L	0.1888	0.51%
Mn 257.610†	7874609.9	14.957	mg/L	0.0072	14.957	mg/L	0.0072	0.05%
Ni 231.604†	5632.4	0.23995	mg/L	0.000385	0.23995	mg/L	0.000385	0.16%
Pb 220.353†	6282.0	1.4070	mg/L	0.00638	1.4070	mg/L	0.00638	0.45%
Sb 206.836†	24.4	-0.00676	mg/L	0.004180	-0.00676	mg/L	0.004180	61.87%

Se 196.026†	-142.1	0.06013 mg/L	0.004799	0.06013 mg/L	0.004799	7.98%
Tl 190.801	-73.1	0.03166 mg/L	0.005454	0.03166 mg/L	0.005454	17.22%
V 292.402†	11803.4	0.14055 mg/L	0.001345	0.14055 mg/L	0.001345	0.96%
Zn 206.200†	84420.2	3.5326 mg/L	0.01522	3.5326 mg/L	0.01522	0.43%
Cd 226.502†	2347.2	0.02654 mg/L	0.000416	0.02654 mg/L	0.000416	1.57%
Ti 334.940†	831177.0	1.4474 mg/L	0.01030	1.4474 mg/L	0.01030	0.71%
Ca 227.546†	27762.0	177.34 mg/L	1.171	177.34 mg/L	1.171	0.66%
Na 589.592	7949.9	1.1160 mg/L	0.00842	1.1160 mg/L	0.00842	0.75%
K 766.490	13250.9	6.3492 mg/L	0.08585	6.3492 mg/L	0.08585	1.35%

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Sequence No.: 54 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 12:49:38 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:07 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1831248.1	97.006	%	2.0513				2.11%
Lu 261.542	1192457.2	97.56	%	2.129				2.18%
Ag 328.068†	198287.1	1.3262	mg/L	0.00238	1.3262	mg/L	0.00238	0.18%
QC value within limits for Ag 328.068 Recovery = 106.10%								
Al 308.215†	209208.0	10.223	mg/L	0.0006	10.223	mg/L	0.0006	0.01%
QC value within limits for Al 308.215 Recovery = 102.23%								
As 188.979†	453.4	0.51256	mg/L	0.007028	0.51256	mg/L	0.007028	1.37%
QC value within limits for As 188.979 Recovery = 102.51%								
Ba 233.527†	807913.8	10.175	mg/L	0.0097	10.175	mg/L	0.0097	0.10%
QC value within limits for Ba 233.527 Recovery = 101.75%								
Be 313.107†	556332.4	0.25004	mg/L	0.000459	0.25004	mg/L	0.000459	0.18%
QC value within limits for Be 313.107 Recovery = 100.01%								
Co 228.616†	77643.8	2.4689	mg/L	0.03765	2.4689	mg/L	0.03765	1.53%
QC value within limits for Co 228.616 Recovery = 98.76%								
Cr 267.716†	64631.9	0.99014	mg/L	0.014875	0.99014	mg/L	0.014875	1.50%
QC value within limits for Cr 267.716 Recovery = 99.01%								
Cu 324.752†	269206.7	1.2576	mg/L	0.00271	1.2576	mg/L	0.00271	0.22%
QC value within limits for Cu 324.752 Recovery = 100.61%								
Fe 273.955†	111976.7	5.1874	mg/L	0.07706	5.1874	mg/L	0.07706	1.49%
QC value within limits for Fe 273.955 Recovery = 103.75%								
Mg 279.077†	397771.3	25.641	mg/L	0.0658	25.641	mg/L	0.0658	0.26%
QC value within limits for Mg 279.077 Recovery = 102.56%								
Mn 257.610†	1336369.9	2.5374	mg/L	0.00192	2.5374	mg/L	0.00192	0.08%
QC value within limits for Mn 257.610 Recovery = 101.49%								
Ni 231.604†	59581.6	2.5493	mg/L	0.03753	2.5493	mg/L	0.03753	1.47%
QC value within limits for Ni 231.604 Recovery = 101.97%								
Pb 220.353†	2226.2	0.50768	mg/L	0.009061	0.50768	mg/L	0.009061	1.78%
QC value within limits for Pb 220.353 Recovery = 101.54%								
Sb 206.836†	669.1	0.47615	mg/L	0.008359	0.47615	mg/L	0.008359	1.76%
QC value within limits for Sb 206.836 Recovery = 95.23%								
Se 196.026†	289.3	0.50466	mg/L	0.010956	0.50466	mg/L	0.010956	2.17%
QC value within limits for Se 196.026 Recovery = 100.93%								
Tl 190.801	485.4	0.47505	mg/L	0.004130	0.47505	mg/L	0.004130	0.87%
QC value within limits for Tl 190.801 Recovery = 95.01%								
V 292.402†	289143.5	2.5188	mg/L	0.00235	2.5188	mg/L	0.00235	0.09%
QC value within limits for V 292.402 Recovery = 100.75%								
Zn 206.200†	60849.0	2.5612	mg/L	0.03644	2.5612	mg/L	0.03644	1.42%
QC value within limits for Zn 206.200 Recovery = 102.45%								
Cd 226.502†	10804.6	0.25220	mg/L	0.003195	0.25220	mg/L	0.003195	1.27%
QC value within limits for Cd 226.502 Recovery = 100.88%								
Ti 334.940†	284439.8	0.49413	mg/L	0.000558	0.49413	mg/L	0.000558	0.11%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	3974.8	23.832	mg/L	0.4464	23.832	mg/L	0.4464	1.87%
QC value within limits for Ca 227.546 Recovery = 95.33%								
Na 589.592	189751.8	27.108	mg/L	0.3209	27.108	mg/L	0.3209	1.18%
QC value within limits for Na 589.592 Recovery = 108.43%								
K 766.490	57271.2	27.442	mg/L	0.3080	27.442	mg/L	0.3080	1.12%
QC value within limits for K 766.490 Recovery = 109.77%								

All analyte(s) passed QC.

Sequence No.: 55 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 12:53:20 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:08 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1872644.6	99.199	%	0.7379				0.74%
Lu 261.542	1209834.0	98.98	%	0.711				0.72%
Ag 328.068†	25.5	0.00017	mg/L	0.000057	0.00017	mg/L	0.000057	33.52%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	134.8	0.00659	mg/L	0.001007	0.00659	mg/L	0.001007	15.28%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.9	0.00100	mg/L	0.002938	0.00100	mg/L	0.002938	293.65%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	72.6	0.00091	mg/L	0.000155	0.00091	mg/L	0.000155	16.97%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	72.3	0.00003	mg/L	0.000011	0.00003	mg/L	0.000011	32.53%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	10.2	0.00033	mg/L	0.000225	0.00033	mg/L	0.000225	69.09%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	9.2	0.00014	mg/L	0.000010	0.00014	mg/L	0.000010	7.00%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	122.1	0.00057	mg/L	0.000483	0.00057	mg/L	0.000483	84.47%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	325.9	0.01486	mg/L	0.001242	0.01486	mg/L	0.001242	8.36%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	15.3	0.00100	mg/L	0.002375	0.00100	mg/L	0.002375	238.47%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	366.7	0.00070	mg/L	0.000065	0.00070	mg/L	0.000065	9.34%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	2.3	0.00010	mg/L	0.000106	0.00010	mg/L	0.000106	105.81%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	22.5	0.00512	mg/L	0.001933	0.00512	mg/L	0.001933	37.72%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	3.7	0.00266	mg/L	0.000283	0.00266	mg/L	0.000283	10.63%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.7	-0.00298	mg/L	0.003719	-0.00298	mg/L	0.003719	124.95%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	-0.5	-0.00048	mg/L	0.001296	-0.00048	mg/L	0.001296	267.40%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	94.0	0.00082	mg/L	0.000319	0.00082	mg/L	0.000319	38.87%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	262.9	0.01105	mg/L	0.000082	0.01105	mg/L	0.000082	0.74%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	-0.0	0.00000	mg/L	0.000155	0.00000	mg/L	0.000155	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	83.2	0.00015	mg/L	0.000048	0.00015	mg/L	0.000048	32.79%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	4.6	0.02834	mg/L	0.030175	0.02834	mg/L	0.030175	106.49%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	231.4	0.03307	mg/L	0.016386	0.03307	mg/L	0.016386	49.55%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	230.9	0.11064	mg/L	0.029679	0.11064	mg/L	0.029679	26.83%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 56 **Autosampler Location: 56**
Sample ID: N1194-01APDS~SS-11-071014 **Date Collected: 7/16/2014 12:56:59 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:09 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-01APDS~SS-11-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1675882.5	88.776	%	0.7297				0.82%
Lu 261.542	1028808.9	84.17	%	0.549				0.65%
Ag 328.068†	192709.9	1.2669	mg/L	0.01217	1.2669	mg/L	0.01217	0.96%
Al 308.215†	4129584.6	202.17	mg/L	2.092	202.17	mg/L	2.092	1.03%
As 188.979†	459.9	0.80457	mg/L	0.029456	0.80457	mg/L	0.029456	3.66%
Ba 233.527†	870641.5	10.965	mg/L	0.1178	10.965	mg/L	0.1178	1.07%
Be 313.107†	526367.8	0.24864	mg/L	0.002671	0.24864	mg/L	0.002671	1.07%
Co 228.616†	72877.6	2.3032	mg/L	0.02136	2.3032	mg/L	0.02136	0.93%
Cr 267.716†	219209.3	3.3357	mg/L	0.03593	3.3357	mg/L	0.03593	1.08%
Cu 324.752†	1120724.7	5.3898	mg/L	0.05208	5.3898	mg/L	0.05208	0.97%
Fe 273.955†	49121659.6	2236.5	mg/L	8.12	2236.5	mg/L	8.12	0.36%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2950004.5	191.24	mg/L	1.951	191.24	mg/L	1.951	1.02%
Mn 257.610†	33467395.9	63.568	mg/L	0.2766	63.568	mg/L	0.2766	0.44%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	72449.2	3.0949	mg/L	0.02792	3.0949	mg/L	0.02792	0.90%
Pb 220.353†	29069.1	6.5506	mg/L	0.06635	6.5506	mg/L	0.06635	1.01%
Sb 206.836†	812.1	0.49063	mg/L	0.020486	0.49063	mg/L	0.020486	4.18%
Se 196.026†	-385.8	0.38024	mg/L	0.015370	0.38024	mg/L	0.015370	4.04%
Tl 190.801	4.3	0.33240	mg/L	0.051697	0.33240	mg/L	0.051697	15.55%
V 292.402†	319106.7	2.9081	mg/L	0.02658	2.9081	mg/L	0.02658	0.91%
Zn 206.200†	405101.0	16.978	mg/L	0.1746	16.978	mg/L	0.1746	1.03%
Cd 226.502†	21303.0	0.40042	mg/L	0.007234	0.40042	mg/L	0.007234	1.81%
Ti 334.940†	4218789.0	7.3474	mg/L	0.07575	7.3474	mg/L	0.07575	1.03%
Ca 227.546†	153424.6	964.72	mg/L	10.704	964.72	mg/L	10.704	1.11%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	197570.8	28.122	mg/L	0.4155	28.122	mg/L	0.4155	1.48%
K 766.490	111131.4	53.249	mg/L	0.8650	53.249	mg/L	0.8650	1.62%

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Sequence No.: 57 **Autosampler Location: 57**
Sample ID: N1194-02A~SS-12-071014 **Date Collected: 7/16/2014 1:00:25 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:10 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-02A~SS-12-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1731628.6	91.729	%	0.7267				0.79%
Lu 261.542	1033766.4	84.57	%	0.652				0.77%
Ag 328.068†	3358.4	0.00284	mg/L	0.000443	0.00284	mg/L	0.000443	15.56%
Al 308.215†	3630449.0	177.71	mg/L	2.945	177.71	mg/L	2.945	1.66%
As 188.979†	-13.3	0.24476	mg/L	0.005176	0.24476	mg/L	0.005176	2.11%
Ba 233.527†	162687.5	2.0488	mg/L	0.03031	2.0488	mg/L	0.03031	1.48%
Be 313.107†	34222.8	0.02524	mg/L	0.000381	0.02524	mg/L	0.000381	1.51%
Co 228.616†	6211.7	0.18588	mg/L	0.001809	0.18588	mg/L	0.001809	0.97%
Cr 267.716†	161695.4	2.4529	mg/L	0.03670	2.4529	mg/L	0.03670	1.50%
Cu 324.752†	832369.6	4.0257	mg/L	0.06705	4.0257	mg/L	0.06705	1.67%
Fe 273.955†	43664602.0	1987.9	mg/L	2.86	1987.9	mg/L	2.86	0.14%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2908564.9	188.45	mg/L	3.023	188.45	mg/L	3.023	1.60%
Mn 257.610†	34700358.1	65.911	mg/L	0.5175	65.911	mg/L	0.5175	0.79%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	33621.4	1.4342	mg/L	0.01816	1.4342	mg/L	0.01816	1.27%
Pb 220.353†	35794.4	8.0933	mg/L	0.11941	8.0933	mg/L	0.11941	1.48%
Sb 206.836†	147.0	0.02510	mg/L	0.002097	0.02510	mg/L	0.002097	8.36%
Se 196.026†	-542.4	-0.01358	mg/L	0.032672	-0.01358	mg/L	0.032672	240.65%
Tl 190.801	-281.3	0.01415	mg/L	0.001443	0.01415	mg/L	0.001443	10.20%
V 292.402†	42131.2	0.48250	mg/L	0.005972	0.48250	mg/L	0.005972	1.24%
Zn 206.200†	335057.3	14.038	mg/L	0.2207	14.038	mg/L	0.2207	1.57%
Cd 226.502†	10264.4	0.15356	mg/L	0.002664	0.15356	mg/L	0.002664	1.73%
Ti 334.940†	3246002.1	5.6561	mg/L	0.09349	5.6561	mg/L	0.09349	1.65%
Ca 227.546†	171352.9	1072.5	mg/L	14.34	1072.5	mg/L	14.34	1.34%
Concentration greater than upper limit for Ca 227.546.								

Na 589.592	29249.7	4.0835	mg/L	0.06459	4.0835	mg/L	0.06459	1.58%
K 766.490	52993.9	25.392	mg/L	0.3217	25.392	mg/L	0.3217	1.27%

Sequence No.: 58 **Autosampler Location: 58**
Sample ID: N1194-03A~SS-13-071014 **Date Collected: 7/16/2014 1:04:37 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:10 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-03A~SS-13-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1645679.4	87.176	%	0.3661				0.42%
Lu 261.542	1001541.3	81.94	%	0.256				0.31%
Ag 328.068†	4060.6	-0.00066	mg/L	0.000567	-0.00066	mg/L	0.000567	85.48%
Al 308.215†	3711342.4	181.68	mg/L	1.349	181.68	mg/L	1.349	0.74%
As 188.979†	-100.5	0.25719	mg/L	0.003774	0.25719	mg/L	0.003774	1.47%
Ba 233.527†	169904.9	2.1396	mg/L	0.01479	2.1396	mg/L	0.01479	0.69%
Be 313.107†	41489.0	0.03242	mg/L	0.000342	0.03242	mg/L	0.000342	1.05%
Co 228.616†	9103.7	0.27319	mg/L	0.002049	0.27319	mg/L	0.002049	0.75%
Cr 267.716†	210406.9	3.2230	mg/L	0.02740	3.2230	mg/L	0.02740	0.85%
Cu 324.752†	1436670.5	6.9041	mg/L	0.05424	6.9041	mg/L	0.05424	0.79%
Fe 273.955†	61483438.9	2799.2	mg/L	18.29	2799.2	mg/L	18.29	0.65%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	3312689.0	214.89	mg/L	1.757	214.89	mg/L	1.757	0.82%
Mn 257.610†	Saturated2							
Ni 231.604†	55764.8	2.3803	mg/L	0.00705	2.3803	mg/L	0.00705	0.30%
Pb 220.353†	47610.4	10.748	mg/L	0.0432	10.748	mg/L	0.0432	0.40%
Sb 206.836†	187.0	0.02104	mg/L	0.026533	0.02104	mg/L	0.026533	126.10%
Se 196.026†	-951.9	-0.30047	mg/L	0.055921	-0.30047	mg/L	0.055921	18.61%
Tl 190.801	-505.5	0.03553	mg/L	0.025069	0.03553	mg/L	0.025069	70.57%
V 292.402†	30017.8	0.42381	mg/L	0.005967	0.42381	mg/L	0.005967	1.41%
Zn 206.200†	413183.2	17.303	mg/L	0.1371	17.303	mg/L	0.1371	0.79%
Cd 226.502†	18799.9	0.31752	mg/L	0.000787	0.31752	mg/L	0.000787	0.25%
Ti 334.940†	4530996.7	7.8908	mg/L	0.07156	7.8908	mg/L	0.07156	0.91%
Ca 227.546†	164289.4	1037.9	mg/L	8.18	1037.9	mg/L	8.18	0.79%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	146341.5	20.813	mg/L	0.2822	20.813	mg/L	0.2822	1.36%
K 766.490	63754.7	30.548	mg/L	0.3714	30.548	mg/L	0.3714	1.22%

Sequence No.: 59 **Autosampler Location: 59**
Sample ID: N1194-04A~SS-14-071014 **Date Collected: 7/16/2014 1:08:01 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:11 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-04A~SS-14-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1656658.7	87.758	%	0.5398				0.62%
Lu 261.542	1010226.6	82.65	%	0.638				0.77%
Ag 328.068†	4717.1	0.00885	mg/L	0.000476	0.00885	mg/L	0.000476	5.38%
Al 308.215†	4190526.5	205.14	mg/L	0.821	205.14	mg/L	0.821	0.40%
As 188.979†	-93.9	0.20146	mg/L	0.009636	0.20146	mg/L	0.009636	4.78%
Ba 233.527†	181976.0	2.2917	mg/L	0.00761	2.2917	mg/L	0.00761	0.33%
Be 313.107†	45820.7	0.03046	mg/L	0.000043	0.03046	mg/L	0.000043	0.14%
Co 228.616†	6916.7	0.20825	mg/L	0.004774	0.20825	mg/L	0.004774	2.29%
Cr 267.716†	236018.5	3.5895	mg/L	0.01066	3.5895	mg/L	0.01066	0.30%
Cu 324.752†	1118166.4	5.3820	mg/L	0.01713	5.3820	mg/L	0.01713	0.32%
Fe 273.955†	50506643.2	2299.4	mg/L	13.77	2299.4	mg/L	13.77	0.60%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	3636587.5	235.52	mg/L	0.744	235.52	mg/L	0.744	0.32%
Mn 257.610†	37320849.5	70.887	mg/L	0.3982	70.887	mg/L	0.3982	0.56%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	39748.0	1.6960	mg/L	0.01693	1.6960	mg/L	0.01693	1.00%

Pb 220.353†	51852.7	11.741	mg/L	0.1246	11.741	mg/L	0.1246	1.06%
Sb 206.836†	153.2	0.00611	mg/L	0.004981	0.00611	mg/L	0.004981	81.56%
Se 196.026†	-676.6	-0.09968	mg/L	0.033890	-0.09968	mg/L	0.033890	34.00%
Tl 190.801	-346.5	0.00113	mg/L	0.023060	0.00113	mg/L	0.023060	>999.9%
V 292.402†	49453.5	0.56685	mg/L	0.002787	0.56685	mg/L	0.002787	0.49%
Zn 206.200†	365750.2	15.323	mg/L	0.0503	15.323	mg/L	0.0503	0.33%
Cd 226.502†	13191.2	0.20832	mg/L	0.002788	0.20832	mg/L	0.002788	1.34%
Ti 334.940†	3252290.6	5.6662	mg/L	0.01300	5.6662	mg/L	0.01300	0.23%
Ca 227.546†	185925.1	1165.2	mg/L	4.72	1165.2	mg/L	4.72	0.41%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	34995.1	4.8897	mg/L	0.04150	4.8897	mg/L	0.04150	0.85%
K 766.490	55109.5	26.406	mg/L	0.1534	26.406	mg/L	0.1534	0.58%

Sequence No.: 60 **Autosampler Location: 60**
Sample ID: N1194-05A~SS-15-071014 **Date Collected: 7/16/2014 1:11:26 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:12 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-05A~SS-15-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1692329.3	89.647	%	0.1945				0.22%
Lu 261.542	1040345.6	85.11	%	0.612				0.72%
Ag 328.068†	9728.2	0.04506	mg/L	0.001538	0.04506	mg/L	0.001538	3.41%
Al 308.215†	4481842.1	219.44	mg/L	0.795	219.44	mg/L	0.795	0.36%
As 188.979†	23.5	0.28352	mg/L	0.008170	0.28352	mg/L	0.008170	2.88%
Ba 233.527†	197421.4	2.4862	mg/L	0.03949	2.4862	mg/L	0.03949	1.59%
Be 313.107†	56994.1	0.03604	mg/L	0.000533	0.03604	mg/L	0.000533	1.48%
Co 228.616†	6377.8	0.19052	mg/L	0.002212	0.19052	mg/L	0.002212	1.16%
Cr 267.716†	113813.2	1.7195	mg/L	0.02940	1.7195	mg/L	0.02940	1.71%
Cu 324.752†	939343.3	4.5278	mg/L	0.01785	4.5278	mg/L	0.01785	0.39%
Fe 273.955†	44470551.5	2024.6	mg/L	5.76	2024.6	mg/L	5.76	0.28%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	3104811.7	201.11	mg/L	0.800	201.11	mg/L	0.800	0.40%
Mn 257.610†	34665847.9	65.845	mg/L	0.5926	65.845	mg/L	0.5926	0.90%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	26902.1	1.1464	mg/L	0.01166	1.1464	mg/L	0.01166	1.02%
Pb 220.353†	68148.7	15.468	mg/L	0.2236	15.468	mg/L	0.2236	1.45%
Sb 206.836†	108.5	0.00341	mg/L	0.005513	0.00341	mg/L	0.005513	161.51%
Se 196.026†	-541.1	0.00700	mg/L	0.032332	0.00700	mg/L	0.032332	461.61%
Tl 190.801	-274.2	0.02641	mg/L	0.002548	0.02641	mg/L	0.002548	9.65%
V 292.402†	48549.4	0.53861	mg/L	0.007857	0.53861	mg/L	0.007857	1.46%
Zn 206.200†	563487.0	23.639	mg/L	0.3841	23.639	mg/L	0.3841	1.62%
Cd 226.502†	12494.5	0.20381	mg/L	0.004800	0.20381	mg/L	0.004800	2.36%
Ti 334.940†	3442537.8	5.9977	mg/L	0.03254	5.9977	mg/L	0.03254	0.54%
Ca 227.546†	169687.5	1062.7	mg/L	19.24	1062.7	mg/L	19.24	1.81%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	50649.6	7.1188	mg/L	0.09654	7.1188	mg/L	0.09654	1.36%
K 766.490	100543.0	48.175	mg/L	0.6888	48.175	mg/L	0.6888	1.43%

Sequence No.: 61 **Autosampler Location: 61**
Sample ID: N1194-06A~SS-16-071014 **Date Collected: 7/16/2014 1:16:01 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:12 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-06A~SS-16-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1644458.8	87.112	%	0.4193				0.48%
Lu 261.542	962415.1	78.74	%	0.605				0.77%
Ag 328.068†	5083.9	0.00751	mg/L	0.001966	0.00751	mg/L	0.001966	26.18%
Al 308.215†	7082060.5	346.54	mg/L	3.949	346.54	mg/L	3.949	1.14%
As 188.979†	-98.9	0.29302	mg/L	0.007155	0.29302	mg/L	0.007155	2.44%

Ba 233.527†	284844.8	3.5870	mg/L	0.04072	3.5870	mg/L	0.04072	1.14%
Be 313.107†	121615.4	0.07026	mg/L	0.000750	0.07026	mg/L	0.000750	1.07%
Co 228.616†	9531.9	0.28457	mg/L	0.008392	0.28457	mg/L	0.008392	2.95%
Cr 267.716†	341385.0	5.2293	mg/L	0.05311	5.2293	mg/L	0.05311	1.02%
Cu 324.752†	1633541.1	7.8153	mg/L	0.08215	7.8153	mg/L	0.08215	1.05%
Fe 273.955†	58983008.6	2685.3	mg/L	12.15	2685.3	mg/L	12.15	0.45%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	8414871.0	543.70	mg/L	5.929	543.70	mg/L	5.929	1.09%
Concentration greater than upper limit for Mg 279.077.								
Mn 257.610†	Saturated2							
Ni 231.604†	49580.4	2.1127	mg/L	0.04612	2.1127	mg/L	0.04612	2.18%
Pb 220.353†	69420.5	15.755	mg/L	0.3258	15.755	mg/L	0.3258	2.07%
Sb 206.836†	228.8	0.04411	mg/L	0.018331	0.04411	mg/L	0.018331	41.56%
Se 196.026†	-913.9	-0.28176	mg/L	0.066601	-0.28176	mg/L	0.066601	23.64%
Tl 190.801	-454.7	0.09965	mg/L	0.004253	0.09965	mg/L	0.004253	4.27%
V 292.402†	58641.8	0.66940	mg/L	0.007366	0.66940	mg/L	0.007366	1.10%
Zn 206.200†	678588.7	28.468	mg/L	0.3061	28.468	mg/L	0.3061	1.08%
Cd 226.502†	18740.6	0.32098	mg/L	0.006636	0.32098	mg/L	0.006636	2.07%
Ti 334.940†	5172866.0	9.0156	mg/L	0.09365	9.0156	mg/L	0.09365	1.04%
Ca 227.546†	412381.8	2558.5	mg/L	29.07	2558.5	mg/L	29.07	1.14%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	70764.0	9.9242	mg/L	0.12968	9.9242	mg/L	0.12968	1.31%
K 766.490	55800.6	26.737	mg/L	0.3412	26.737	mg/L	0.3412	1.28%

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Sequence No.: 62 **Autosampler Location: 62**
Sample ID: N1194-07A~SS-17-071014 **Date Collected: 7/16/2014 1:19:26 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:13 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-07A~SS-17-071014

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1707893.4	90.472	%	0.3424				0.38%
Lu 261.542	1034358.3	84.62	%	0.414				0.49%
Ag 328.068†	5523.1	0.01351	mg/L	0.000558	0.01351	mg/L	0.000558	4.13%
Al 308.215†	3931110.5	192.46	mg/L	0.594	192.46	mg/L	0.594	0.31%
As 188.979†	-31.2	0.27949	mg/L	0.019709	0.27949	mg/L	0.019709	7.05%
Ba 233.527†	182836.9	2.3025	mg/L	0.00693	2.3025	mg/L	0.00693	0.30%
Be 313.107†	34421.0	0.02826	mg/L	0.000132	0.02826	mg/L	0.000132	0.47%
Co 228.616†	7535.3	0.22463	mg/L	0.000700	0.22463	mg/L	0.000700	0.31%
Cr 267.716†	169180.8	2.5916	mg/L	0.00741	2.5916	mg/L	0.00741	0.29%
Cu 324.752†	1258814.4	6.0436	mg/L	0.02754	6.0436	mg/L	0.02754	0.46%
Fe 273.955†	52057393.5	2370.0	mg/L	11.24	2370.0	mg/L	11.24	0.47%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2799425.5	181.60	mg/L	0.554	181.60	mg/L	0.554	0.31%
Mn 257.610†	Saturated2							
Ni 231.604†	29243.1	1.2460	mg/L	0.00969	1.2460	mg/L	0.00969	0.78%
Pb 220.353†	51827.4	11.730	mg/L	0.0397	11.730	mg/L	0.0397	0.34%
Sb 206.836†	148.2	0.01242	mg/L	0.009136	0.01242	mg/L	0.009136	73.58%
Se 196.026†	-699.7	-0.06712	mg/L	0.068675	-0.06712	mg/L	0.068675	102.32%
Tl 190.801	-405.5	0.05433	mg/L	0.022256	0.05433	mg/L	0.022256	40.96%
V 292.402†	46036.4	0.53739	mg/L	0.003754	0.53739	mg/L	0.003754	0.70%
Zn 206.200†	527272.4	22.109	mg/L	0.0687	22.109	mg/L	0.0687	0.31%
Cd 226.502†	14514.1	0.23595	mg/L	0.002673	0.23595	mg/L	0.002673	1.13%
Ti 334.940†	4203336.0	7.3219	mg/L	0.02604	7.3219	mg/L	0.02604	0.36%
Ca 227.546†	163636.1	1029.3	mg/L	3.48	1029.3	mg/L	3.48	0.34%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	25298.5	3.5110	mg/L	0.03534	3.5110	mg/L	0.03534	1.01%
K 766.490	68842.3	32.986	mg/L	0.2658	32.986	mg/L	0.2658	0.81%

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Sequence No.: 63 **Autosampler Location: 63**
Sample ID: N1194-08A~SS-18-071014 **Date Collected: 7/16/2014 1:22:38 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:14 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-08A~SS-18-071014

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1630899.6	86.393	%	0.8931				1.03%
Lu 261.542	1028701.7	84.16	%	0.236				0.28%
Ag 328.068†	7434.3	0.02451	mg/L	0.001177	0.02451	mg/L	0.001177	4.80%
Al 308.215†	2547647.7	124.73	mg/L	0.941	124.73	mg/L	0.941	0.75%
As 188.979†	35.1	0.36467	mg/L	0.023427	0.36467	mg/L	0.023427	6.42%
Ba 233.527†	117591.6	1.4809	mg/L	0.01381	1.4809	mg/L	0.01381	0.93%
Be 313.107†	22517.3	0.02104	mg/L	0.000161	0.02104	mg/L	0.000161	0.76%
Co 228.616†	8621.4	0.26131	mg/L	0.005048	0.26131	mg/L	0.005048	1.93%
Cr 267.716†	171186.9	2.6222	mg/L	0.02372	2.6222	mg/L	0.02372	0.90%
Cu 324.752†	1334463.5	6.4085	mg/L	0.03314	6.4085	mg/L	0.03314	0.52%
Fe 273.955†	55720881.0	2536.8	mg/L	10.06	2536.8	mg/L	10.06	0.40%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2307940.8	150.00	mg/L	1.314	150.00	mg/L	1.314	0.88%
Mn 257.610†	Saturated2							
Ni 231.604†	39262.1	1.6756	mg/L	0.01737	1.6756	mg/L	0.01737	1.04%
Pb 220.353†	72960.3	16.527	mg/L	0.1836	16.527	mg/L	0.1836	1.11%
Sb 206.836†	158.0	0.01177	mg/L	0.018113	0.01177	mg/L	0.018113	153.84%
Se 196.026†	-775.9	-0.12414	mg/L	0.013840	-0.12414	mg/L	0.013840	11.15%
Tl 190.801	-484.7	-0.00197	mg/L	0.025266	-0.00197	mg/L	0.025266	>999.9%
V 292.402†	32722.3	0.43241	mg/L	0.002531	0.43241	mg/L	0.002531	0.59%
Zn 206.200†	655353.3	27.492	mg/L	0.2417	27.492	mg/L	0.2417	0.88%
Cd 226.502†	15928.1	0.26179	mg/L	0.004320	0.26179	mg/L	0.004320	1.65%
Ti 334.940†	3586185.7	6.2435	mg/L	0.04794	6.2435	mg/L	0.04794	0.77%
Ca 227.546†	98415.5	631.02	mg/L	3.946	631.02	mg/L	3.946	0.63%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	12764.4	1.7565	mg/L	0.01400	1.7565	mg/L	0.01400	0.80%
K 766.490	27335.2	13.098	mg/L	0.1401	13.098	mg/L	0.1401	1.07%

Sequence No.: 64 **Autosampler Location: 115**
Sample ID: N1181-01A~SS-01-0709 20X **Date Collected: 7/16/2014 1:26:10 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:14 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-01A~SS-01-0709 20X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1823397.5	96.591	%	0.7890				0.82%
Lu 261.542	1186618.4	97.08	%	0.712				0.73%
Ag 328.068†	0.9	-0.00028	mg/L	0.000288	-0.00028	mg/L	0.000288	103.90%
Al 308.215†	236466.4	11.576	mg/L	0.0207	11.576	mg/L	0.0207	0.18%
As 188.979†	4.1	0.00931	mg/L	0.003514	0.00931	mg/L	0.003514	37.73%
Ba 233.527†	22948.0	0.28896	mg/L	0.001375	0.28896	mg/L	0.001375	0.48%
Be 313.107†	731.2	0.00080	mg/L	0.000019	0.00080	mg/L	0.000019	2.34%
Co 228.616†	192.9	0.00558	mg/L	0.000088	0.00558	mg/L	0.000088	1.57%
Cr 267.716†	1414.8	0.02138	mg/L	0.000205	0.02138	mg/L	0.000205	0.96%
Cu 324.752†	9654.7	0.04719	mg/L	0.000651	0.04719	mg/L	0.000651	1.38%
Fe 273.955†	661552.1	30.117	mg/L	0.1404	30.117	mg/L	0.1404	0.47%
Mg 279.077†	276894.8	17.862	mg/L	0.0467	17.862	mg/L	0.0467	0.26%
Mn 257.610†	434552.6	0.82541	mg/L	0.005164	0.82541	mg/L	0.005164	0.63%
Ni 231.604†	377.8	0.01588	mg/L	0.000345	0.01588	mg/L	0.000345	2.17%
Pb 220.353†	1922.0	0.43847	mg/L	0.005573	0.43847	mg/L	0.005573	1.27%
Sb 206.836†	-3.1	-0.00280	mg/L	0.003300	-0.00280	mg/L	0.003300	118.07%
Se 196.026†	-8.0	0.00046	mg/L	0.005397	0.00046	mg/L	0.005397	>999.9%
Tl 190.801	-4.3	0.00110	mg/L	0.005733	0.00110	mg/L	0.005733	520.71%
V 292.402†	2558.4	0.02380	mg/L	0.000230	0.02380	mg/L	0.000230	0.97%
Zn 206.200†	10666.2	0.44751	mg/L	0.004055	0.44751	mg/L	0.004055	0.91%
Cd 226.502†	111.8	0.00131	mg/L	0.000227	0.00131	mg/L	0.000227	17.36%
Ti 334.940†	155298.3	0.27046	mg/L	0.000916	0.27046	mg/L	0.000916	0.34%
Ca 227.546†	10342.4	63.764	mg/L	0.5087	63.764	mg/L	0.5087	0.80%
Na 589.592	5014.6	0.71029	mg/L	0.007169	0.71029	mg/L	0.007169	1.01%
K 766.490	3410.7	1.6342	mg/L	0.04581	1.6342	mg/L	0.04581	2.80%

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Sequence No.: 65 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 1:29:45 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:15 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1816456.0	96.223	%	1.1632				1.21%
Lu 261.542	1180994.5	96.62	%	1.245				1.29%
Ag 328.068†	199495.9	1.3343	mg/L	0.00368	1.3343	mg/L	0.00368	0.28%
QC value within limits for Ag 328.068 Recovery = 106.75%								
Al 308.215†	210716.4	10.297	mg/L	0.0053	10.297	mg/L	0.0053	0.05%
QC value within limits for Al 308.215 Recovery = 102.97%								
As 188.979†	450.0	0.50891	mg/L	0.005672	0.50891	mg/L	0.005672	1.11%
QC value within limits for As 188.979 Recovery = 101.78%								
Ba 233.527†	812686.4	10.235	mg/L	0.0044	10.235	mg/L	0.0044	0.04%
QC value within limits for Ba 233.527 Recovery = 102.35%								
Be 313.107†	560100.4	0.25173	mg/L	0.000308	0.25173	mg/L	0.000308	0.12%
QC value within limits for Be 313.107 Recovery = 100.69%								
Co 228.616†	77876.4	2.4763	mg/L	0.01325	2.4763	mg/L	0.01325	0.54%
QC value within limits for Co 228.616 Recovery = 99.05%								
Cr 267.716†	64977.8	0.99544	mg/L	0.005627	0.99544	mg/L	0.005627	0.57%
QC value within limits for Cr 267.716 Recovery = 99.54%								
Cu 324.752†	270940.8	1.2657	mg/L	0.00295	1.2657	mg/L	0.00295	0.23%
QC value within limits for Cu 324.752 Recovery = 101.26%								
Fe 273.955†	112813.3	5.2260	mg/L	0.03732	5.2260	mg/L	0.03732	0.71%
QC value within limits for Fe 273.955 Recovery = 104.52%								
Mg 279.077†	399975.9	25.783	mg/L	0.0302	25.783	mg/L	0.0302	0.12%
QC value within limits for Mg 279.077 Recovery = 103.13%								
Mn 257.610†	1342446.4	2.5489	mg/L	0.00161	2.5489	mg/L	0.00161	0.06%
QC value within limits for Mn 257.610 Recovery = 101.96%								
Ni 231.604†	59795.0	2.5584	mg/L	0.01535	2.5584	mg/L	0.01535	0.60%
QC value within limits for Ni 231.604 Recovery = 102.34%								
Pb 220.353†	2229.3	0.50840	mg/L	0.006112	0.50840	mg/L	0.006112	1.20%
QC value within limits for Pb 220.353 Recovery = 101.68%								
Sb 206.836†	667.3	0.47475	mg/L	0.004142	0.47475	mg/L	0.004142	0.87%
QC value within limits for Sb 206.836 Recovery = 94.95%								
Se 196.026†	291.1	0.50792	mg/L	0.005970	0.50792	mg/L	0.005970	1.18%
QC value within limits for Se 196.026 Recovery = 101.58%								
Tl 190.801	478.8	0.46801	mg/L	0.002919	0.46801	mg/L	0.002919	0.62%
QC value within limits for Tl 190.801 Recovery = 93.60%								
V 292.402†	290919.4	2.5342	mg/L	0.00357	2.5342	mg/L	0.00357	0.14%
QC value within limits for V 292.402 Recovery = 101.37%								
Zn 206.200†	60926.7	2.5645	mg/L	0.01397	2.5645	mg/L	0.01397	0.54%
QC value within limits for Zn 206.200 Recovery = 102.58%								
Cd 226.502†	10863.5	0.25357	mg/L	0.000842	0.25357	mg/L	0.000842	0.33%
QC value within limits for Cd 226.502 Recovery = 101.43%								
Ti 334.940†	286669.3	0.49801	mg/L	0.000687	0.49801	mg/L	0.000687	0.14%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	3970.4	23.804	mg/L	0.2902	23.804	mg/L	0.2902	1.22%
QC value within limits for Ca 227.546 Recovery = 95.21%								
Na 589.592	180941.9	25.850	mg/L	0.0613	25.850	mg/L	0.0613	0.24%
QC value within limits for Na 589.592 Recovery = 103.40%								
K 766.490	56434.2	27.041	mg/L	0.0170	27.041	mg/L	0.0170	0.06%
QC value within limits for K 766.490 Recovery = 108.16%								

All analyte(s) passed QC.

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Sequence No.: 66 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 1:33:27 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:16 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1874603.6	99.303	%	0.4252				0.43%
Lu 261.542	1210265.3	99.01	%	0.442				0.45%
Ag 328.068†	47.4	0.00032	mg/L	0.000280	0.00032	mg/L	0.000280	88.45%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	175.5	0.00859	mg/L	0.002811	0.00859	mg/L	0.002811	32.73%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	3.5	0.00389	mg/L	0.003616	0.00389	mg/L	0.003616	92.94%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	65.7	0.00083	mg/L	0.000198	0.00083	mg/L	0.000198	23.95%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	49.5	0.00002	mg/L	0.000032	0.00002	mg/L	0.000032	142.09%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	11.4	0.00036	mg/L	0.000109	0.00036	mg/L	0.000109	30.16%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	3.8	0.00006	mg/L	0.000189	0.00006	mg/L	0.000189	324.90%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	145.3	0.00068	mg/L	0.000238	0.00068	mg/L	0.000238	34.94%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	541.3	0.02466	mg/L	0.001694	0.02466	mg/L	0.001694	6.87%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	58.1	0.00376	mg/L	0.006167	0.00376	mg/L	0.006167	164.15%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	531.6	0.00101	mg/L	0.000096	0.00101	mg/L	0.000096	9.46%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	8.8	0.00037	mg/L	0.000344	0.00037	mg/L	0.000344	91.87%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	28.1	0.00641	mg/L	0.001698	0.00641	mg/L	0.001698	26.49%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.3	0.00022	mg/L	0.001275	0.00022	mg/L	0.001275	590.16%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.3	-0.00233	mg/L	0.006259	-0.00233	mg/L	0.006259	268.98%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	2.4	0.00251	mg/L	0.003063	0.00251	mg/L	0.003063	121.91%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	63.9	0.00056	mg/L	0.000211	0.00056	mg/L	0.000211	37.91%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	258.5	0.01087	mg/L	0.000307	0.01087	mg/L	0.000307	2.83%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	-1.1	-0.00003	mg/L	0.000160	-0.00003	mg/L	0.000160	614.27%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	87.7	0.00015	mg/L	0.000095	0.00015	mg/L	0.000095	61.90%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	6.2	0.03823	mg/L	0.055667	0.03823	mg/L	0.055667	145.62%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	43.9	0.00626	mg/L	0.009854	0.00626	mg/L	0.009854	157.29%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	281.9	0.13507	mg/L	0.009958	0.13507	mg/L	0.009958	7.37%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 67 **Autosampler Location: 116**
Sample ID: N1181-02A~SS-02-0709 20X **Date Collected: 7/16/2014 1:37:06 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:17 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-02A~SS-02-0709 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1830542.6	96.969	%	0.7023				0.72%
Lu 261.542	1180848.2	96.61	%	0.717				0.74%
Ag 328.068†	-32.4	-0.00038	mg/L	0.000644	-0.00038	mg/L	0.000644	168.98%
Al 308.215†	194460.1	9.5131	mg/L	0.12756	9.5131	mg/L	0.12756	1.34%
As 188.979†	4.7	0.00888	mg/L	0.000620	0.00888	mg/L	0.000620	6.98%
Ba 233.527†	11848.5	0.14921	mg/L	0.002313	0.14921	mg/L	0.002313	1.55%

Be 313.107†	-150.8	0.00036	mg/L	0.000022	0.00036	mg/L	0.000022	6.06%
Co 228.616†	203.5	0.00598	mg/L	0.000110	0.00598	mg/L	0.000110	1.83%
Cr 267.716†	969.2	0.01467	mg/L	0.000298	0.01467	mg/L	0.000298	2.03%
Cu 324.752†	4045.4	0.02018	mg/L	0.000209	0.02018	mg/L	0.000209	1.04%
Fe 273.955†	405195.9	18.446	mg/L	0.2576	18.446	mg/L	0.2576	1.40%
Mg 279.077†	308950.5	19.923	mg/L	0.2823	19.923	mg/L	0.2823	1.42%
Mn 257.610†	265110.1	0.50363	mg/L	0.006840	0.50363	mg/L	0.006840	1.36%
Ni 231.604†	343.3	0.01441	mg/L	0.000359	0.01441	mg/L	0.000359	2.49%
Pb 220.353†	562.5	0.12914	mg/L	0.002222	0.12914	mg/L	0.002222	1.72%
Sb 206.836†	-1.5	-0.00091	mg/L	0.003046	-0.00091	mg/L	0.003046	335.79%
Se 196.026†	-9.1	-0.00697	mg/L	0.003596	-0.00697	mg/L	0.003596	51.56%
Tl 190.801	-5.0	-0.00097	mg/L	0.003260	-0.00097	mg/L	0.003260	335.52%
V 292.402†	2784.4	0.02510	mg/L	0.000366	0.02510	mg/L	0.000366	1.46%
Zn 206.200†	4333.6	0.18158	mg/L	0.002159	0.18158	mg/L	0.002159	1.19%
Cd 226.502†	63.8	0.00069	mg/L	0.000087	0.00069	mg/L	0.000087	12.59%
Ti 334.940†	138218.6	0.24085	mg/L	0.003212	0.24085	mg/L	0.003212	1.33%
Ca 227.546†	12644.9	77.761	mg/L	0.8950	77.761	mg/L	0.8950	1.15%
Na 589.592	1729.1	0.24193	mg/L	0.007111	0.24193	mg/L	0.007111	2.94%
K 766.490	4501.4	2.1569	mg/L	0.05876	2.1569	mg/L	0.05876	2.72%

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Sequence No.: 68 **Autosampler Location: 117**
Sample ID: N1181-03A~SS-03-0709 20X **Date Collected: 7/16/2014 1:40:47 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:17 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-03A~SS-03-0709 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1819267.5	96.372	%	0.5790				0.60%
Lu 261.542	1176944.1	96.29	%	0.668				0.69%
Ag 328.068†	267.1	0.00005	mg/L	0.000408	0.00005	mg/L	0.000408	753.11%
Al 308.215†	151668.9	7.4245	mg/L	0.12395	7.4245	mg/L	0.12395	1.67%
As 188.979†	-3.2	0.01765	mg/L	0.001260	0.01765	mg/L	0.001260	7.14%
Ba 233.527†	8460.5	0.10655	mg/L	0.002292	0.10655	mg/L	0.002292	2.15%
Be 313.107†	1433.8	0.00121	mg/L	0.000017	0.00121	mg/L	0.000017	1.37%
Co 228.616†	399.5	0.01204	mg/L	0.000291	0.01204	mg/L	0.000291	2.42%
Cr 267.716†	7473.2	0.11294	mg/L	0.002174	0.11294	mg/L	0.002174	1.93%
Cu 324.752†	49445.4	0.24310	mg/L	0.004198	0.24310	mg/L	0.004198	1.73%
Fe 273.955†	3835000.4	174.60	mg/L	0.139	174.60	mg/L	0.139	0.08%
Mg 279.077†	175108.8	11.372	mg/L	0.2154	11.372	mg/L	0.2154	1.89%
Mn 257.610†	2230292.3	4.2360	mg/L	0.00571	4.2360	mg/L	0.00571	0.13%
Ni 231.604†	1765.4	0.07528	mg/L	0.000834	0.07528	mg/L	0.000834	1.11%
Pb 220.353†	3580.5	0.80901	mg/L	0.005907	0.80901	mg/L	0.005907	0.73%
Sb 206.836†	4.9	-0.00267	mg/L	0.004779	-0.00267	mg/L	0.004779	178.94%
Se 196.026†	-36.9	0.01767	mg/L	0.006246	0.01767	mg/L	0.006246	35.34%
Tl 190.801	-15.1	0.01293	mg/L	0.006529	0.01293	mg/L	0.006529	50.47%
V 292.402†	2361.8	0.03069	mg/L	0.000559	0.03069	mg/L	0.000559	1.82%
Zn 206.200†	31350.7	1.3136	mg/L	0.02620	1.3136	mg/L	0.02620	1.99%
Cd 226.502†	624.2	0.00702	mg/L	0.000019	0.00702	mg/L	0.000019	0.27%
Ti 334.940†	184926.7	0.32195	mg/L	0.005826	0.32195	mg/L	0.005826	1.81%
Ca 227.546†	6604.4	42.395	mg/L	0.4383	42.395	mg/L	0.4383	1.03%
Na 589.592	1628.7	0.22871	mg/L	0.003737	0.22871	mg/L	0.003737	1.63%
K 766.490	2684.8	1.2864	mg/L	0.03348	1.2864	mg/L	0.03348	2.60%

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Sequence No.: 69 **Autosampler Location: 118**
Sample ID: N1181-04A~SS-04-0709 20X **Date Collected: 7/16/2014 1:44:29 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:18 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-04A~SS-04-0709 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1835419.9	97.227	%	0.9470				0.97%

Lu 261.542	1179282.2	96.48	%	0.906				0.94%
Ag 328.068†	308.7	-0.00013	mg/L	0.000352	-0.00013	mg/L	0.000352	262.13%
Al 308.215†	194826.3	9.5382	mg/L	0.03875	9.5382	mg/L	0.03875	0.41%
As 188.979†	-6.4	0.02005	mg/L	0.003454	0.02005	mg/L	0.003454	17.23%
Ba 233.527†	9985.1	0.12576	mg/L	0.000490	0.12576	mg/L	0.000490	0.39%
Be 313.107†	1843.7	0.00148	mg/L	0.000002	0.00148	mg/L	0.000002	0.15%
Co 228.616†	468.2	0.01412	mg/L	0.000545	0.01412	mg/L	0.000545	3.86%
Cr 267.716†	12794.0	0.19393	mg/L	0.000876	0.19393	mg/L	0.000876	0.45%
Cu 324.752†	84377.9	0.40954	mg/L	0.002146	0.40954	mg/L	0.002146	0.52%
Fe 273.955†	4879859.7	222.17	mg/L	0.078	222.17	mg/L	0.078	0.04%
Mg 279.077†	184145.8	11.978	mg/L	0.0247	11.978	mg/L	0.0247	0.21%
Mn 257.610†	2973446.8	5.6475	mg/L	0.00256	5.6475	mg/L	0.00256	0.05%
Ni 231.604†	2067.7	0.08819	mg/L	0.001213	0.08819	mg/L	0.001213	1.38%
Pb 220.353†	4195.3	0.94712	mg/L	0.011740	0.94712	mg/L	0.011740	1.24%
Sb 206.836†	4.9	-0.00509	mg/L	0.004895	-0.00509	mg/L	0.004895	96.08%
Se 196.026†	-45.1	0.02575	mg/L	0.003523	0.02575	mg/L	0.003523	13.68%
Tl 190.801	-20.6	0.01452	mg/L	0.001438	0.01452	mg/L	0.001438	9.90%
V 292.402†	3683.2	0.04509	mg/L	0.000414	0.04509	mg/L	0.000414	0.92%
Zn 206.200†	24545.5	1.0264	mg/L	0.00249	1.0264	mg/L	0.00249	0.24%
Cd 226.502†	759.3	0.00811	mg/L	0.000124	0.00811	mg/L	0.000124	1.53%
Ti 334.940†	213703.5	0.37209	mg/L	0.000885	0.37209	mg/L	0.000885	0.24%
Ca 227.546†	7780.2	50.122	mg/L	0.6272	50.122	mg/L	0.6272	1.25%
Na 589.592	1633.7	0.22829	mg/L	0.008912	0.22829	mg/L	0.008912	3.90%
K 766.490	2794.5	1.3390	mg/L	0.03380	1.3390	mg/L	0.03380	2.52%

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Sequence No.: 70 **Autosampler Location: 119**
Sample ID: N1181-05A~SS-FD-01-0 20X **Date Collected: 7/16/2014 1:48:13 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:19 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-05A~SS-FD-01-0 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1827483.1	96.807	%	0.7351				0.76%
Lu 261.542	1178354.4	96.40	%	0.639				0.66%
Ag 328.068†	240.1	-0.00002	mg/L	0.000487	-0.00002	mg/L	0.000487	>999.9%
Al 308.215†	323390.8	15.829	mg/L	0.0538	15.829	mg/L	0.0538	0.34%
As 188.979†	-5.8	0.01469	mg/L	0.003319	0.01469	mg/L	0.003319	22.59%
Ba 233.527†	13840.1	0.17429	mg/L	0.000612	0.17429	mg/L	0.000612	0.35%
Be 313.107†	6285.6	0.00348	mg/L	0.000032	0.00348	mg/L	0.000032	0.92%
Co 228.616†	353.2	0.01046	mg/L	0.000301	0.01046	mg/L	0.000301	2.88%
Cr 267.716†	9120.4	0.13776	mg/L	0.000479	0.13776	mg/L	0.000479	0.35%
Cu 324.752†	50539.9	0.24753	mg/L	0.001172	0.24753	mg/L	0.001172	0.47%
Fe 273.955†	3619738.4	164.80	mg/L	0.252	164.80	mg/L	0.252	0.15%
Mg 279.077†	365027.9	23.609	mg/L	0.0553	23.609	mg/L	0.0553	0.23%
Mn 257.610†	2820092.0	5.3564	mg/L	0.01033	5.3564	mg/L	0.01033	0.19%
Ni 231.604†	1313.7	0.05584	mg/L	0.000274	0.05584	mg/L	0.000274	0.49%
Pb 220.353†	2963.7	0.67030	mg/L	0.007935	0.67030	mg/L	0.007935	1.18%
Sb 206.836†	4.9	-0.00224	mg/L	0.003449	-0.00224	mg/L	0.003449	154.22%
Se 196.026†	-39.0	0.00900	mg/L	0.004798	0.00900	mg/L	0.004798	53.30%
Tl 190.801	-17.3	0.00817	mg/L	0.002215	0.00817	mg/L	0.002215	27.10%
V 292.402†	3242.9	0.03778	mg/L	0.000506	0.03778	mg/L	0.000506	1.34%
Zn 206.200†	20852.2	0.87238	mg/L	0.004525	0.87238	mg/L	0.004525	0.52%
Cd 226.502†	569.9	0.00617	mg/L	0.000229	0.00617	mg/L	0.000229	3.72%
Ti 334.940†	216780.1	0.37768	mg/L	0.001349	0.37768	mg/L	0.001349	0.36%
Ca 227.546†	15759.5	98.448	mg/L	0.2572	98.448	mg/L	0.2572	0.26%
Na 589.592	3483.9	0.48926	mg/L	0.019606	0.48926	mg/L	0.019606	4.01%
K 766.490	4207.8	2.0162	mg/L	0.02402	2.0162	mg/L	0.02402	1.19%

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Sequence No.: 71 **Autosampler Location: 120**
Sample ID: N1181-06A~SS-05-0709 20X **Date Collected: 7/16/2014 1:51:55 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:19 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-06A~SS-05-0709 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1830102.7	96.946	%	0.1400				0.14%
Lu 261.542	1175409.7	96.16	%	0.136				0.14%
Ag 328.068†	454.3	0.00091	mg/L	0.000563	0.00091	mg/L	0.000563	61.81%
Al 308.215†	264645.6	12.957	mg/L	0.1629	12.957	mg/L	0.1629	1.26%
As 188.979†	1.6	0.02769	mg/L	0.003718	0.02769	mg/L	0.003718	13.42%
Ba 233.527†	13861.7	0.17458	mg/L	0.001702	0.17458	mg/L	0.001702	0.97%
Be 313.107†	2983.2	0.00223	mg/L	0.000017	0.00223	mg/L	0.000017	0.75%
Co 228.616†	538.0	0.01607	mg/L	0.000062	0.01607	mg/L	0.000062	0.38%
Cr 267.716†	8023.4	0.12040	mg/L	0.001556	0.12040	mg/L	0.001556	1.29%
Cu 324.752†	49879.1	0.24801	mg/L	0.002859	0.24801	mg/L	0.002859	1.15%
Fe 273.955†	4736002.8	215.62	mg/L	0.319	215.62	mg/L	0.319	0.15%
Mg 279.077†	243144.0	15.778	mg/L	0.1899	15.778	mg/L	0.1899	1.20%
Mn 257.610†	3641247.7	6.9159	mg/L	0.01344	6.9159	mg/L	0.01344	0.19%
Ni 231.604†	1723.9	0.07337	mg/L	0.000557	0.07337	mg/L	0.000557	0.76%
Pb 220.353†	2899.4	0.65278	mg/L	0.002943	0.65278	mg/L	0.002943	0.45%
Sb 206.836†	7.5	-0.00188	mg/L	0.004517	-0.00188	mg/L	0.004517	240.61%
Se 196.026†	-43.5	0.02472	mg/L	0.006860	0.02472	mg/L	0.006860	27.76%
Tl 190.801	-24.5	0.00725	mg/L	0.007004	0.00725	mg/L	0.007004	96.56%
V 292.402†	4670.7	0.05301	mg/L	0.001365	0.05301	mg/L	0.001365	2.57%
Zn 206.200†	29440.1	1.2321	mg/L	0.01731	1.2321	mg/L	0.01731	1.41%
Cd 226.502†	723.2	0.00755	mg/L	0.000014	0.00755	mg/L	0.000014	0.19%
Ti 334.940†	292511.2	0.50933	mg/L	0.000416	0.50933	mg/L	0.000416	0.08%
Ca 227.546†	10339.9	65.753	mg/L	0.3791	65.753	mg/L	0.3791	0.58%
Na 589.592	3054.0	0.42938	mg/L	0.008653	0.42938	mg/L	0.008653	2.02%
K 766.490	5707.4	2.7347	mg/L	0.02672	2.7347	mg/L	0.02672	0.98%

Sequence No.: 72 **Autosampler Location: 121**
Sample ID: N1181-07A~SS-06-0709 20X **Date Collected: 7/16/2014 1:55:39 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:20 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-07A~SS-06-0709 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1838041.0	97.366	%	1.5160				1.56%
Lu 261.542	1178790.8	96.44	%	1.511				1.57%
Ag 328.068†	371.8	-0.00019	mg/L	0.000524	-0.00019	mg/L	0.000524	280.28%
Al 308.215†	369226.8	18.079	mg/L	0.2477	18.079	mg/L	0.2477	1.37%
As 188.979†	-3.7	0.02812	mg/L	0.007252	0.02812	mg/L	0.007252	25.79%
Ba 233.527†	16973.0	0.21374	mg/L	0.003097	0.21374	mg/L	0.003097	1.45%
Be 313.107†	4329.8	0.00313	mg/L	0.000038	0.00313	mg/L	0.000038	1.21%
Co 228.616†	609.3	0.01799	mg/L	0.000580	0.01799	mg/L	0.000580	3.22%
Cr 267.716†	6893.8	0.10278	mg/L	0.001535	0.10278	mg/L	0.001535	1.49%
Cu 324.752†	54603.3	0.27384	mg/L	0.004261	0.27384	mg/L	0.004261	1.56%
Fe 273.955†	5921158.7	269.57	mg/L	0.769	269.57	mg/L	0.769	0.29%
Mg 279.077†	311656.4	20.220	mg/L	0.2481	20.220	mg/L	0.2481	1.23%
Mn 257.610†	4085982.1	7.7607	mg/L	0.02791	7.7607	mg/L	0.02791	0.36%
Ni 231.604†	1624.3	0.06898	mg/L	0.000968	0.06898	mg/L	0.000968	1.40%
Pb 220.353†	2290.9	0.51238	mg/L	0.006044	0.51238	mg/L	0.006044	1.18%
Sb 206.836†	2.5	-0.00675	mg/L	0.000566	-0.00675	mg/L	0.000566	8.38%
Se 196.026†	-57.9	0.02534	mg/L	0.013284	0.02534	mg/L	0.013284	52.42%
Tl 190.801	-30.8	0.01036	mg/L	0.006226	0.01036	mg/L	0.006226	60.12%
V 292.402†	3680.4	0.04734	mg/L	0.000237	0.04734	mg/L	0.000237	0.50%
Zn 206.200†	53078.9	2.2244	mg/L	0.02709	2.2244	mg/L	0.02709	1.22%
Cd 226.502†	954.7	0.01061	mg/L	0.000221	0.01061	mg/L	0.000221	2.09%
Ti 334.940†	389199.7	0.67772	mg/L	0.001304	0.67772	mg/L	0.001304	0.19%
Ca 227.546†	13563.5	86.111	mg/L	1.2299	86.111	mg/L	1.2299	1.43%
Na 589.592	13281.7	1.8881	mg/L	0.01230	1.8881	mg/L	0.01230	0.65%
K 766.490	6479.0	3.1044	mg/L	0.03491	3.1044	mg/L	0.03491	1.12%

Sequence No.: 73 **Autosampler Location: 122**
Sample ID: N1181-08A~SS-07-0709 20X **Date Collected: 7/16/2014 1:59:23 PM**

Analyst: Data Type: Reprocessed on 7/17/2014 8:40:21 AM
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: N1181-08A~SS-07-0709 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1819654.6	96.392	%	0.1189				0.12%
Lu 261.542	1176562.5	96.26	%	0.153				0.16%
Ag 328.068†	214.1	0.00004	mg/L	0.000174	0.00004	mg/L	0.000174	483.54%
Al 308.215†	171282.8	8.3859	mg/L	0.07727	8.3859	mg/L	0.07727	0.92%
As 188.979†	-3.3	0.01331	mg/L	0.001931	0.01331	mg/L	0.001931	14.50%
Ba 233.527†	7687.9	0.09682	mg/L	0.000653	0.09682	mg/L	0.000653	0.67%
Be 313.107†	2097.4	0.00141	mg/L	0.000020	0.00141	mg/L	0.000020	1.40%
Co 228.616†	314.9	0.00947	mg/L	0.000178	0.00947	mg/L	0.000178	1.88%
Cr 267.716†	4600.2	0.06909	mg/L	0.000455	0.06909	mg/L	0.000455	0.66%
Cu 324.752†	34885.5	0.17275	mg/L	0.001571	0.17275	mg/L	0.001571	0.91%
Fe 273.955†	3092107.4	140.77	mg/L	0.447	140.77	mg/L	0.447	0.32%
Mg 279.077†	171694.6	11.136	mg/L	0.1071	11.136	mg/L	0.1071	0.96%
Mn 257.610†	2003651.0	3.8056	mg/L	0.01447	3.8056	mg/L	0.01447	0.38%
Ni 231.604†	980.7	0.04174	mg/L	0.000415	0.04174	mg/L	0.000415	0.99%
Pb 220.353†	2513.0	0.56742	mg/L	0.005603	0.56742	mg/L	0.005603	0.99%
Sb 206.836†	-1.7	-0.00595	mg/L	0.003371	-0.00595	mg/L	0.003371	56.68%
Se 196.026†	-32.0	0.01023	mg/L	0.010108	0.01023	mg/L	0.010108	98.77%
Tl 190.801	-14.0	0.00806	mg/L	0.004142	0.00806	mg/L	0.004142	51.41%
V 292.402†	1971.0	0.02527	mg/L	0.000347	0.02527	mg/L	0.000347	1.38%
Zn 206.200†	25291.7	1.0596	mg/L	0.00994	1.0596	mg/L	0.00994	0.94%
Cd 226.502†	486.5	0.00526	mg/L	0.000064	0.00526	mg/L	0.000064	1.21%
Ti 334.940†	153730.2	0.26767	mg/L	0.002069	0.26767	mg/L	0.002069	0.77%
Ca 227.546†	6641.7	42.261	mg/L	0.2997	42.261	mg/L	0.2997	0.71%
Na 589.592	1634.4	0.22901	mg/L	0.009132	0.22901	mg/L	0.009132	3.99%
K 766.490	4546.5	2.1785	mg/L	0.06568	2.1785	mg/L	0.06568	3.01%

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Sequence No.: 74 Autosampler Location: 3
Sample ID: CCV Date Collected: 7/16/2014 2:03:06 PM
Analyst: Data Type: Reprocessed on 7/17/2014 8:40:21 AM
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1790033.5	94.823	%	0.8421				0.89%
Lu 261.542	1162799.2	95.13	%	0.938				0.99%
Ag 328.068†	199609.2	1.3351	mg/L	0.02066	1.3351	mg/L	0.02066	1.55%
QC value within limits for Ag 328.068 Recovery = 106.81%								
Al 308.215†	211505.8	10.336	mg/L	0.1632	10.336	mg/L	0.1632	1.58%
QC value within limits for Al 308.215 Recovery = 103.36%								
As 188.979†	457.4	0.51715	mg/L	0.006070	0.51715	mg/L	0.006070	1.17%
QC value within limits for As 188.979 Recovery = 103.43%								
Ba 233.527†	822317.3	10.357	mg/L	0.0075	10.357	mg/L	0.0075	0.07%
QC value within limits for Ba 233.527 Recovery = 103.57%								
Be 313.107†	567617.9	0.25511	mg/L	0.000388	0.25511	mg/L	0.000388	0.15%
QC value within limits for Be 313.107 Recovery = 102.04%								
Co 228.616†	78171.5	2.4857	mg/L	0.03868	2.4857	mg/L	0.03868	1.56%
QC value within limits for Co 228.616 Recovery = 99.43%								
Cr 267.716†	65316.6	1.0006	mg/L	0.01484	1.0006	mg/L	0.01484	1.48%
QC value within limits for Cr 267.716 Recovery = 100.06%								
Cu 324.752†	267652.3	1.2504	mg/L	0.01967	1.2504	mg/L	0.01967	1.57%
QC value within limits for Cu 324.752 Recovery = 100.03%								
Fe 273.955†	112936.8	5.2315	mg/L	0.07577	5.2315	mg/L	0.07577	1.45%
QC value within limits for Fe 273.955 Recovery = 104.63%								
Mg 279.077†	404843.7	26.097	mg/L	0.0327	26.097	mg/L	0.0327	0.13%
QC value within limits for Mg 279.077 Recovery = 104.39%								
Mn 257.610†	1361211.1	2.5845	mg/L	0.00490	2.5845	mg/L	0.00490	0.19%
QC value within limits for Mn 257.610 Recovery = 103.38%								

Ni 231.604†	60010.2	2.5676 mg/L	0.03857	2.5676 mg/L	0.03857	1.50%
QC value within limits for Ni 231.604 Recovery = 102.70%						
Pb 220.353†	2264.3	0.51640 mg/L	0.006652	0.51640 mg/L	0.006652	1.29%
QC value within limits for Pb 220.353 Recovery = 103.28%						
Sb 206.836†	681.5	0.48505 mg/L	0.006290	0.48505 mg/L	0.006290	1.30%
QC value within limits for Sb 206.836 Recovery = 97.01%						
Se 196.026†	294.2	0.51329 mg/L	0.008247	0.51329 mg/L	0.008247	1.61%
QC value within limits for Se 196.026 Recovery = 102.66%						
Tl 190.801	480.7	0.46991 mg/L	0.001793	0.46991 mg/L	0.001793	0.38%
QC value within limits for Tl 190.801 Recovery = 93.98%						
V 292.402†	290346.2	2.5292 mg/L	0.03968	2.5292 mg/L	0.03968	1.57%
QC value within limits for V 292.402 Recovery = 101.17%						
Zn 206.200†	60796.3	2.5590 mg/L	0.04177	2.5590 mg/L	0.04177	1.63%
QC value within limits for Zn 206.200 Recovery = 102.36%						
Cd 226.502†	10811.2	0.25235 mg/L	0.004822	0.25235 mg/L	0.004822	1.91%
QC value within limits for Cd 226.502 Recovery = 100.94%						
Ti 334.940†	289926.6	0.50367 mg/L	0.001359	0.50367 mg/L	0.001359	0.27%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ca 227.546†	4076.4	24.453 mg/L	0.2482	24.453 mg/L	0.2482	1.02%
QC value within limits for Ca 227.546 Recovery = 97.81%						
Na 589.592	180473.0	25.783 mg/L	0.2935	25.783 mg/L	0.2935	1.14%
QC value within limits for Na 589.592 Recovery = 103.13%						
K 766.490	57222.2	27.418 mg/L	0.3279	27.418 mg/L	0.3279	1.20%
QC value within limits for K 766.490 Recovery = 109.67%						

All analyte(s) passed QC.

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Sequence No.: 75 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 2:06:48 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:22 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1877212.0	99.441	%	1.4752				1.48%
Lu 261.542	1211781.6	99.14	%	1.503				1.52%
Ag 328.068†	19.9	0.00013	mg/L	0.000698	0.00013	mg/L	0.000698	523.05%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	117.1	0.00574	mg/L	0.003951	0.00574	mg/L	0.003951	68.81%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.6	-0.00072	mg/L	0.000747	-0.00072	mg/L	0.000747	104.34%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	78.2	0.00098	mg/L	0.000137	0.00098	mg/L	0.000137	13.91%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	17.7	0.00001	mg/L	0.000033	0.00001	mg/L	0.000033	412.37%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	11.7	0.00037	mg/L	0.000101	0.00037	mg/L	0.000101	27.08%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	7.1	0.00011	mg/L	0.000084	0.00011	mg/L	0.000084	77.63%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	29.5	0.00014	mg/L	0.000108	0.00014	mg/L	0.000108	77.80%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	182.1	0.00831	mg/L	0.000194	0.00831	mg/L	0.000194	2.33%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	4.0	0.00026	mg/L	0.003673	0.00026	mg/L	0.003673	>999.9%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	252.4	0.00048	mg/L	0.000073	0.00048	mg/L	0.000073	15.26%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	5.2	0.00022	mg/L	0.000186	0.00022	mg/L	0.000186	83.74%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	15.8	0.00361	mg/L	0.001183	0.00361	mg/L	0.001183	32.79%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.1	-0.00010	mg/L	0.004034	-0.00010	mg/L	0.004034	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.2	-0.00026	mg/L	0.007491	-0.00026	mg/L	0.007491	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	0.4	0.00039	mg/L	0.003052	0.00039	mg/L	0.003052	778.70%

QC value within limits for Tl 190.801 Recovery = Not calculated

V 292.402†	46.1	0.00040	mg/L	0.000093	0.00040	mg/L	0.000093 23.04%

QC value within limits for V 292.402 Recovery = Not calculated

Zn 206.200†	132.7	0.00558	mg/L	0.000333	0.00558	mg/L	0.000333 5.98%

QC value within limits for Zn 206.200 Recovery = Not calculated

Cd 226.502†	7.1	0.00016	mg/L	0.000116	0.00016	mg/L	0.000116 70.71%

QC value within limits for Cd 226.502 Recovery = Not calculated

Ti 334.940†	50.3	0.00009	mg/L	0.000064	0.00009	mg/L	0.000064 74.04%

QC value within limits for Ti 334.940 Recovery = Not calculated

Ca 227.546†	-5.5	-0.03359	mg/L	0.072906	-0.03359	mg/L	0.072906 217.04%

QC value within limits for Ca 227.546 Recovery = Not calculated

Na 589.592	-9.5	-0.00137	mg/L	0.000484	-0.00137	mg/L	0.000484 35.44%

QC value within limits for Na 589.592 Recovery = Not calculated

K 766.490	225.9	0.10825	mg/L	0.045225	0.10825	mg/L	0.045225 41.78%

QC value within limits for K 766.490 Recovery = Not calculated

All analyte(s) passed QC.

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Sequence No.: 76 **Autosampler Location: 123**
Sample ID: N1181-09A~SS-08-0709 20X **Date Collected: 7/16/2014 2:10:27 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:23 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-09A~SS-08-0709 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1824499.7	96.649	%	0.2963				0.31%
Lu 261.542	1173516.9	96.01	%	0.294				0.31%
Ag 328.068†	1065.8	0.00488	mg/L	0.000566	0.00488	mg/L	0.000566	11.60%
Al 308.215†	256606.6	12.570	mg/L	0.1458	12.570	mg/L	0.1458	1.16%
As 188.979†	3.1	0.03031	mg/L	0.005938	0.03031	mg/L	0.005938	19.59%
Ba 233.527†	14287.2	0.17991	mg/L	0.002352	0.17991	mg/L	0.002352	1.31%
Be 313.107†	5412.3	0.00291	mg/L	0.000034	0.00291	mg/L	0.000034	1.16%
Co 228.616†	421.8	0.01284	mg/L	0.000218	0.01284	mg/L	0.000218	1.70%
Cr 267.716†	7258.3	0.10954	mg/L	0.000957	0.10954	mg/L	0.000957	0.87%
Cu 324.752†	36060.2	0.18417	mg/L	0.002078	0.18417	mg/L	0.002078	1.13%
Fe 273.955†	4952179.2	225.46	mg/L	0.367	225.46	mg/L	0.367	0.16%
Mg 279.077†	169898.8	11.061	mg/L	0.1398	11.061	mg/L	0.1398	1.26%
Mn 257.610†	2381353.8	4.5229	mg/L	0.00803	4.5229	mg/L	0.00803	0.18%
Ni 231.604†	1806.1	0.07705	mg/L	0.000762	0.07705	mg/L	0.000762	0.99%
Pb 220.353†	8616.1	1.9546	mg/L	0.00253	1.9546	mg/L	0.00253	0.13%
Sb 206.836†	10.9	-0.00009	mg/L	0.002706	-0.00009	mg/L	0.002706	>999.9%
Se 196.026†	-41.9	0.03340	mg/L	0.011377	0.03340	mg/L	0.011377	34.07%
Tl 190.801	-18.5	0.01872	mg/L	0.005674	0.01872	mg/L	0.005674	30.31%
V 292.402†	2295.7	0.03312	mg/L	0.000114	0.03312	mg/L	0.000114	0.34%
Zn 206.200†	62015.7	2.6015	mg/L	0.03606	2.6015	mg/L	0.03606	1.39%
Cd 226.502†	1043.1	0.01457	mg/L	0.000203	0.01457	mg/L	0.000203	1.40%
Ti 334.940†	159390.1	0.27744	mg/L	0.002832	0.27744	mg/L	0.002832	1.02%
Ca 227.546†	5778.4	37.881	mg/L	0.2125	37.881	mg/L	0.2125	0.56%
Na 589.592	5157.8	0.73021	mg/L	0.009738	0.73021	mg/L	0.009738	1.33%
K 766.490	8809.6	4.2212	mg/L	0.01142	4.2212	mg/L	0.01142	0.27%

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Sequence No.: 77 **Autosampler Location: 124**
Sample ID: N1181-10A~SS-09-0709 20X **Date Collected: 7/16/2014 2:14:11 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:24 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-10A~SS-09-0709 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1833333.7	97.117	%	0.7419				0.76%
Lu 261.542	1184781.6	96.93	%	0.758				0.78%
Ag 328.068†	281.0	0.00047	mg/L	0.000615	0.00047	mg/L	0.000615	132.22%
Al 308.215†	170799.0	8.3588	mg/L	0.06118	8.3588	mg/L	0.06118	0.73%

As 188.979†	-3.8	0.01315 mg/L	0.005386	0.01315 mg/L	0.005386	40.95%
Ba 233.527†	9034.8	0.11378 mg/L	0.000472	0.11378 mg/L	0.000472	0.42%
Be 313.107†	2595.4	0.00164 mg/L	0.000017	0.00164 mg/L	0.000017	1.04%
Co 228.616†	320.7	0.00964 mg/L	0.000154	0.00964 mg/L	0.000154	1.59%
Cr 267.716†	3929.8	0.05869 mg/L	0.000356	0.05869 mg/L	0.000356	0.61%
Cu 324.752†	34085.3	0.16914 mg/L	0.001500	0.16914 mg/L	0.001500	0.89%
Fe 273.955†	3131757.4	142.58 mg/L	0.051	142.58 mg/L	0.051	0.04%
Mg 279.077†	218849.2	14.176 mg/L	0.1266	14.176 mg/L	0.1266	0.89%
Mn 257.610†	2188063.3	4.1559 mg/L	0.00124	4.1559 mg/L	0.00124	0.03%
Ni 231.604†	933.3	0.03968 mg/L	0.000672	0.03968 mg/L	0.000672	1.69%
Pb 220.353†	1731.0	0.38929 mg/L	0.003236	0.38929 mg/L	0.003236	0.83%
Sb 206.836†	8.0	0.00137 mg/L	0.001570	0.00137 mg/L	0.001570	114.63%
Se 196.026†	-32.1	0.01075 mg/L	0.006536	0.01075 mg/L	0.006536	60.81%
Tl 190.801	-13.9	0.00839 mg/L	0.004982	0.00839 mg/L	0.004982	59.39%
V 292.402†	2028.6	0.02585 mg/L	0.000129	0.02585 mg/L	0.000129	0.50%
Zn 206.200†	20772.1	0.86952 mg/L	0.007480	0.86952 mg/L	0.007480	0.86%
Cd 226.502†	478.0	0.00498 mg/L	0.000114	0.00498 mg/L	0.000114	2.29%
Ti 334.940†	155934.1	0.27159 mg/L	0.002519	0.27159 mg/L	0.002519	0.93%
Ca 227.546†	8968.9	56.555 mg/L	0.4404	56.555 mg/L	0.4404	0.78%
Na 589.592	1835.0	0.25768 mg/L	0.014030	0.25768 mg/L	0.014030	5.44%
K 766.490	4297.5	2.0591 mg/L	0.02167	2.0591 mg/L	0.02167	1.05%

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Sequence No.: 78 **Autosampler Location: 125**
Sample ID: N1181-11A~SS-10-0709 20X **Date Collected: 7/16/2014 2:17:53 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:24 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-11A~SS-10-0709 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1835619.6	97.238	%	0.5899				0.61%
Lu 261.542	1185406.9	96.98	%	0.632				0.65%
Ag 328.068†	140.4	-0.00012	mg/L	0.000265	-0.00012	mg/L	0.000265	227.41%
Al 308.215†	174036.7	8.5151	mg/L	0.10487	8.5151	mg/L	0.10487	1.23%
As 188.979†	9.6	0.02459	mg/L	0.001567	0.02459	mg/L	0.001567	6.37%
Ba 233.527†	47659.1	0.60011	mg/L	0.007229	0.60011	mg/L	0.007229	1.20%
Be 313.107†	541.4	0.00081	mg/L	0.000014	0.00081	mg/L	0.000014	1.68%
Co 228.616†	334.0	0.00996	mg/L	0.000225	0.00996	mg/L	0.000225	2.25%
Cr 267.716†	4160.3	0.06285	mg/L	0.000410	0.06285	mg/L	0.000410	0.65%
Cu 324.752†	18174.4	0.09247	mg/L	0.000781	0.09247	mg/L	0.000781	0.84%
Fe 273.955†	2384891.2	108.58	mg/L	0.141	108.58	mg/L	0.141	0.13%
Mg 279.077†	215918.6	13.970	mg/L	0.1910	13.970	mg/L	0.1910	1.37%
Mn 257.610†	1289429.7	2.4492	mg/L	0.00202	2.4492	mg/L	0.00202	0.08%
Ni 231.604†	897.8	0.03814	mg/L	0.000746	0.03814	mg/L	0.000746	1.96%
Pb 220.353†	4144.1	0.94094	mg/L	0.004354	0.94094	mg/L	0.004354	0.46%
Sb 206.836†	4.6	0.00005	mg/L	0.002905	0.00005	mg/L	0.002905	>999.9%
Se 196.026†	-21.4	0.01413	mg/L	0.001853	0.01413	mg/L	0.001853	13.12%
Tl 190.801	-10.1	0.00823	mg/L	0.000255	0.00823	mg/L	0.000255	3.09%
V 292.402†	4497.1	0.04530	mg/L	0.000593	0.04530	mg/L	0.000593	1.31%
Zn 206.200†	27874.4	1.1691	mg/L	0.01550	1.1691	mg/L	0.01550	1.33%
Cd 226.502†	393.9	0.00449	mg/L	0.000146	0.00449	mg/L	0.000146	3.26%
Ti 334.940†	185786.8	0.32369	mg/L	0.003928	0.32369	mg/L	0.003928	1.21%
Ca 227.546†	10622.4	66.328	mg/L	0.3520	66.328	mg/L	0.3520	0.53%
Na 589.592	2520.4	0.35554	mg/L	0.012337	0.35554	mg/L	0.012337	3.47%
K 766.490	3057.4	1.4649	mg/L	0.03180	1.4649	mg/L	0.03180	2.17%

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Sequence No.: 79 **Autosampler Location: 126**
Sample ID: N1181-12A~SS-FD-02-0 20X **Date Collected: 7/16/2014 2:21:35 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:25 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1181-12A~SS-FD-02-0 20X

	Mean Corrected		Calib.			Sample		

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 360.073	1788262.1	94.729	%	0.4619				0.49%
Lu 261.542	1164847.1	95.30	%	0.504				0.53%
Ag 328.068†	114.7	0.00009	mg/L	0.000289	0.00009	mg/L	0.000289	332.67%
Al 308.215†	170845.8	8.3577	mg/L	0.01443	8.3577	mg/L	0.01443	0.17%
As 188.979†	7.7	0.01815	mg/L	0.004509	0.01815	mg/L	0.004509	24.85%
Ba 233.527†	47408.8	0.59695	mg/L	0.001226	0.59695	mg/L	0.001226	0.21%
Be 313.107†	892.6	0.00082	mg/L	0.000031	0.00082	mg/L	0.000031	3.76%
Co 228.616†	286.8	0.00863	mg/L	0.000263	0.00863	mg/L	0.000263	3.05%
Cr 267.716†	3350.6	0.05070	mg/L	0.000194	0.05070	mg/L	0.000194	0.38%
Cu 324.752†	18099.9	0.08943	mg/L	0.000303	0.08943	mg/L	0.000303	0.34%
Fe 273.955†	1541955.3	70.201	mg/L	0.0916	70.201	mg/L	0.0916	0.13%
Mg 279.077†	257580.4	16.637	mg/L	0.0332	16.637	mg/L	0.0332	0.20%
Mn 257.610†	923357.7	1.7539	mg/L	0.00205	1.7539	mg/L	0.00205	0.12%
Ni 231.604†	878.1	0.03732	mg/L	0.000077	0.03732	mg/L	0.000077	0.21%
Pb 220.353†	3553.7	0.80814	mg/L	0.002694	0.80814	mg/L	0.002694	0.33%
Sb 206.836†	-2.2	-0.00353	mg/L	0.001642	-0.00353	mg/L	0.001642	46.46%
Se 196.026†	-21.3	-0.00389	mg/L	0.004070	-0.00389	mg/L	0.004070	104.60%
Tl 190.801	-4.6	0.00770	mg/L	0.003070	0.00770	mg/L	0.003070	39.87%
V 292.402†	3273.6	0.03247	mg/L	0.000082	0.03247	mg/L	0.000082	0.25%
Zn 206.200†	23967.7	1.0058	mg/L	0.00120	1.0058	mg/L	0.00120	0.12%
Cd 226.502†	268.8	0.00324	mg/L	0.000018	0.00324	mg/L	0.000018	0.55%
Ti 334.940†	137687.1	0.23993	mg/L	0.000637	0.23993	mg/L	0.000637	0.27%
Ca 227.546†	11230.3	69.642	mg/L	0.1448	69.642	mg/L	0.1448	0.21%
Na 589.592	2353.5	0.33178	mg/L	0.005470	0.33178	mg/L	0.005470	1.65%
K 766.490	3578.2	1.7145	mg/L	0.07380	1.7145	mg/L	0.07380	4.30%

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Sequence No.: 80 **Autosampler Location: 127**
Sample ID: N1194-01A~SS-11-071 20X **Date Collected: 7/16/2014 2:25:11 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:26 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-01A~SS-11-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1847973.8	97.892	%	0.4930				0.50%
Lu 261.542	1195363.7	97.80	%	0.458				0.47%
Ag 328.068†	257.9	-0.00005	mg/L	0.000449	-0.00005	mg/L	0.000449	907.49%
Al 308.215†	182974.0	8.9590	mg/L	0.07984	8.9590	mg/L	0.07984	0.89%
As 188.979†	-0.6	0.02124	mg/L	0.002325	0.02124	mg/L	0.002325	10.94%
Ba 233.527†	8473.4	0.10672	mg/L	0.001107	0.10672	mg/L	0.001107	1.04%
Be 313.107†	2001.6	0.00152	mg/L	0.000024	0.00152	mg/L	0.000024	1.58%
Co 228.616†	460.9	0.01393	mg/L	0.000058	0.01393	mg/L	0.000058	0.41%
Cr 267.716†	8631.1	0.13079	mg/L	0.001379	0.13079	mg/L	0.001379	1.05%
Cu 324.752†	39538.9	0.19717	mg/L	0.001535	0.19717	mg/L	0.001535	0.78%
Fe 273.955†	3936993.4	179.24	mg/L	0.248	179.24	mg/L	0.248	0.14%
Mg 279.077†	145791.8	9.4850	mg/L	0.13127	9.4850	mg/L	0.13127	1.38%
Mn 257.610†	2060796.5	3.9142	mg/L	0.00911	3.9142	mg/L	0.00911	0.23%
Ni 231.604†	1448.4	0.06171	mg/L	0.000521	0.06171	mg/L	0.000521	0.84%
Pb 220.353†	1623.1	0.36293	mg/L	0.003345	0.36293	mg/L	0.003345	0.92%
Sb 206.836†	5.3	-0.00278	mg/L	0.001676	-0.00278	mg/L	0.001676	60.28%
Se 196.026†	-40.0	0.01490	mg/L	0.001103	0.01490	mg/L	0.001103	7.40%
Tl 190.801	-18.2	0.01088	mg/L	0.002802	0.01088	mg/L	0.002802	25.76%
V 292.402†	2966.9	0.03623	mg/L	0.000527	0.03623	mg/L	0.000527	1.45%
Zn 206.200†	21947.6	0.91814	mg/L	0.013794	0.91814	mg/L	0.013794	1.50%
Cd 226.502†	579.6	0.00577	mg/L	0.000155	0.00577	mg/L	0.000155	2.68%
Ti 334.940†	202857.3	0.35323	mg/L	0.004378	0.35323	mg/L	0.004378	1.24%
Ca 227.546†	6651.9	42.738	mg/L	0.2545	42.738	mg/L	0.2545	0.60%
Na 589.592	1840.5	0.25815	mg/L	0.006140	0.25815	mg/L	0.006140	2.38%
K 766.490	3465.9	1.6607	mg/L	0.08264	1.6607	mg/L	0.08264	4.98%

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Sequence No.: 81 **Autosampler Location: 128**
Sample ID: N1194-01ADUP~SS-11 20X **Date Collected: 7/16/2014 2:28:53 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:26 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**

Dilution: **Sample Prep Vol:**

Mean Data: N1194-01ADUP~SS-11 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1826407.3	96.750	%	0.6107				0.63%
Lu 261.542	1179708.8	96.51	%	0.650				0.67%
Ag 328.068†	424.6	0.00070	mg/L	0.000366	0.00070	mg/L	0.000366	52.19%
Al 308.215†	275814.1	13.505	mg/L	0.0167	13.505	mg/L	0.0167	0.12%
As 188.979†	-2.9	0.02276	mg/L	0.003235	0.02276	mg/L	0.003235	14.21%
Ba 233.527†	13410.4	0.16888	mg/L	0.000525	0.16888	mg/L	0.000525	0.31%
Be 313.107†	3196.3	0.00218	mg/L	0.000005	0.00218	mg/L	0.000005	0.25%
Co 228.616†	480.1	0.01440	mg/L	0.000147	0.01440	mg/L	0.000147	1.02%
Cr 267.716†	6860.5	0.10302	mg/L	0.001100	0.10302	mg/L	0.001100	1.07%
Cu 324.752†	44583.3	0.22329	mg/L	0.001035	0.22329	mg/L	0.001035	0.46%
Fe 273.955†	4738955.9	215.75	mg/L	0.455	215.75	mg/L	0.455	0.21%
Mg 279.077†	217050.3	14.096	mg/L	0.0257	14.096	mg/L	0.0257	0.18%
Mn 257.610†	2998019.7	5.6943	mg/L	0.00611	5.6943	mg/L	0.00611	0.11%
Ni 231.604†	1464.5	0.06233	mg/L	0.000506	0.06233	mg/L	0.000506	0.81%
Pb 220.353†	2470.4	0.55498	mg/L	0.004658	0.55498	mg/L	0.004658	0.84%
Sb 206.836†	6.2	-0.00277	mg/L	0.000718	-0.00277	mg/L	0.000718	25.92%
Se 196.026†	-44.6	0.02365	mg/L	0.013011	0.02365	mg/L	0.013011	55.02%
Tl 190.801	-24.8	0.00885	mg/L	0.007907	0.00885	mg/L	0.007907	89.36%
V 292.402†	3189.0	0.04017	mg/L	0.000425	0.04017	mg/L	0.000425	1.06%
Zn 206.200†	35093.9	1.4697	mg/L	0.00467	1.4697	mg/L	0.00467	0.32%
Cd 226.502†	740.8	0.00795	mg/L	0.000207	0.00795	mg/L	0.000207	2.60%
Ti 334.940†	244937.4	0.42655	mg/L	0.000608	0.42655	mg/L	0.000608	0.14%
Ca 227.546†	9669.3	61.642	mg/L	0.4300	61.642	mg/L	0.4300	0.70%
Na 589.592	2479.9	0.34706	mg/L	0.005168	0.34706	mg/L	0.005168	1.49%
K 766.490	5262.2	2.5214	mg/L	0.04021	2.5214	mg/L	0.04021	1.59%

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Sequence No.: 82 **Autosampler Location: 129**
Sample ID: N1194-01ASD~SS-11- 100X **Date Collected: 7/16/2014 2:33:21 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:27 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-01ASD~SS-11- 100X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1843187.9	97.639	%	0.9801				1.00%
Lu 261.542	1192437.5	97.56	%	1.057				1.08%
Ag 328.068†	12.4	-0.00029	mg/L	0.000219	-0.00029	mg/L	0.000219	75.38%
Al 308.215†	36926.5	1.8081	mg/L	0.03779	1.8081	mg/L	0.03779	2.09%
As 188.979†	-0.3	0.00426	mg/L	0.001161	0.00426	mg/L	0.001161	27.23%
Ba 233.527†	1723.4	0.02171	mg/L	0.000200	0.02171	mg/L	0.000200	0.92%
Be 313.107†	389.8	0.00030	mg/L	0.000015	0.00030	mg/L	0.000015	4.97%
Co 228.616†	94.3	0.00285	mg/L	0.000251	0.00285	mg/L	0.000251	8.81%
Cr 267.716†	1770.0	0.02682	mg/L	0.000893	0.02682	mg/L	0.000893	3.33%
Cu 324.752†	7954.4	0.03979	mg/L	0.000755	0.03979	mg/L	0.000755	1.90%
Fe 273.955†	830982.4	37.832	mg/L	0.0871	37.832	mg/L	0.0871	0.23%
Mg 279.077†	30363.5	1.9756	mg/L	0.03966	1.9756	mg/L	0.03966	2.01%
Mn 257.610†	427486.2	0.81194	mg/L	0.001691	0.81194	mg/L	0.001691	0.21%
Ni 231.604†	293.6	0.01251	mg/L	0.000332	0.01251	mg/L	0.000332	2.65%
Pb 220.353†	341.7	0.07640	mg/L	0.002260	0.07640	mg/L	0.002260	2.96%
Sb 206.836†	-0.1	-0.00143	mg/L	0.004321	-0.00143	mg/L	0.004321	301.14%
Se 196.026†	-6.2	0.00709	mg/L	0.001047	0.00709	mg/L	0.001047	14.76%
Tl 190.801	-6.6	-0.00054	mg/L	0.002568	-0.00054	mg/L	0.002568	476.37%
V 292.402†	638.9	0.00776	mg/L	0.000241	0.00776	mg/L	0.000241	3.11%
Zn 206.200†	4579.0	0.19154	mg/L	0.002393	0.19154	mg/L	0.002393	1.25%
Cd 226.502†	125.2	0.00128	mg/L	0.000186	0.00128	mg/L	0.000186	14.48%
Ti 334.940†	41562.0	0.07237	mg/L	0.001290	0.07237	mg/L	0.001290	1.78%
Ca 227.546†	1328.9	8.5598	mg/L	0.02428	8.5598	mg/L	0.02428	0.28%
Na 589.592	268.8	0.03743	mg/L	0.004415	0.03743	mg/L	0.004415	11.79%
K 766.490	816.5	0.39123	mg/L	0.026763	0.39123	mg/L	0.026763	6.84%

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Sequence No.: 83 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 2:37:03 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:28 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1796255.5	95.153	%	0.6621				0.70%
Lu 261.542	1167902.7	95.55	%	0.681				0.71%
Ag 328.068†	199393.9	1.3336	mg/L	0.00442	1.3336	mg/L	0.00442	0.33%
QC value within limits for Ag 328.068 Recovery = 106.69%								
Al 308.215†	210177.0	10.271	mg/L	0.0262	10.271	mg/L	0.0262	0.25%
QC value within limits for Al 308.215 Recovery = 102.71%								
As 188.979†	450.0	0.50890	mg/L	0.003755	0.50890	mg/L	0.003755	0.74%
QC value within limits for As 188.979 Recovery = 101.78%								
Ba 233.527†	809249.7	10.192	mg/L	0.0207	10.192	mg/L	0.0207	0.20%
QC value within limits for Ba 233.527 Recovery = 101.92%								
Be 313.107†	559128.9	0.25129	mg/L	0.000453	0.25129	mg/L	0.000453	0.18%
QC value within limits for Be 313.107 Recovery = 100.52%								
Co 228.616†	77916.3	2.4776	mg/L	0.02382	2.4776	mg/L	0.02382	0.96%
QC value within limits for Co 228.616 Recovery = 99.10%								
Cr 267.716†	64984.6	0.99554	mg/L	0.007361	0.99554	mg/L	0.007361	0.74%
QC value within limits for Cr 267.716 Recovery = 99.55%								
Cu 324.752†	270177.4	1.2622	mg/L	0.00575	1.2622	mg/L	0.00575	0.46%
QC value within limits for Cu 324.752 Recovery = 100.97%								
Fe 273.955†	111773.7	5.1785	mg/L	0.05280	5.1785	mg/L	0.05280	1.02%
QC value within limits for Fe 273.955 Recovery = 103.57%								
Mg 279.077†	397427.5	25.619	mg/L	0.0577	25.619	mg/L	0.0577	0.23%
QC value within limits for Mg 279.077 Recovery = 102.48%								
Mn 257.610†	1340716.8	2.5456	mg/L	0.00469	2.5456	mg/L	0.00469	0.18%
QC value within limits for Mn 257.610 Recovery = 101.82%								
Ni 231.604†	59744.9	2.5562	mg/L	0.02350	2.5562	mg/L	0.02350	0.92%
QC value within limits for Ni 231.604 Recovery = 102.25%								
Pb 220.353†	2201.9	0.50214	mg/L	0.003503	0.50214	mg/L	0.003503	0.70%
QC value within limits for Pb 220.353 Recovery = 100.43%								
Sb 206.836†	668.7	0.47580	mg/L	0.002227	0.47580	mg/L	0.002227	0.47%
QC value within limits for Sb 206.836 Recovery = 95.16%								
Se 196.026†	284.8	0.49687	mg/L	0.008033	0.49687	mg/L	0.008033	1.62%
QC value within limits for Se 196.026 Recovery = 99.37%								
Tl 190.801	475.2	0.46419	mg/L	0.002667	0.46419	mg/L	0.002667	0.57%
QC value within limits for Tl 190.801 Recovery = 92.84%								
V 292.402†	290283.0	2.5287	mg/L	0.00526	2.5287	mg/L	0.00526	0.21%
QC value within limits for V 292.402 Recovery = 101.15%								
Zn 206.200†	60481.6	2.5457	mg/L	0.02535	2.5457	mg/L	0.02535	1.00%
QC value within limits for Zn 206.200 Recovery = 101.83%								
Cd 226.502†	10849.7	0.25325	mg/L	0.002068	0.25325	mg/L	0.002068	0.82%
QC value within limits for Cd 226.502 Recovery = 101.30%								
Ti 334.940†	284677.0	0.49455	mg/L	0.001537	0.49455	mg/L	0.001537	0.31%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	3985.2	23.894	mg/L	0.2012	23.894	mg/L	0.2012	0.84%
QC value within limits for Ca 227.546 Recovery = 95.58%								
Na 589.592	180024.6	25.718	mg/L	0.3262	25.718	mg/L	0.3262	1.27%
QC value within limits for Na 589.592 Recovery = 102.87%								
K 766.490	56269.8	26.962	mg/L	0.3546	26.962	mg/L	0.3546	1.32%
QC value within limits for K 766.490 Recovery = 107.85%								

All analyte(s) passed QC.

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Sequence No.: 84 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 2:40:45 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:28 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1864718.0	98.779	%	0.5989				0.61%
Lu 261.542	1205300.2	98.61	%	0.647				0.66%
Ag 328.068†	167.6	0.00112	mg/L	0.000863	0.00112	mg/L	0.000863	77.05%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	153.8	0.00753	mg/L	0.001779	0.00753	mg/L	0.001779	23.62%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	1.5	0.00166	mg/L	0.002437	0.00166	mg/L	0.002437	146.86%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	70.3	0.00089	mg/L	0.000166	0.00089	mg/L	0.000166	18.70%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	46.5	0.00002	mg/L	0.000016	0.00002	mg/L	0.000016	75.50%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	6.1	0.00019	mg/L	0.000074	0.00019	mg/L	0.000074	38.67%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	11.8	0.00018	mg/L	0.000093	0.00018	mg/L	0.000093	51.15%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	110.2	0.00051	mg/L	0.000295	0.00051	mg/L	0.000295	57.38%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	138.1	0.00632	mg/L	0.000560	0.00632	mg/L	0.000560	8.87%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	-18.0	-0.00116	mg/L	0.002661	-0.00116	mg/L	0.002661	230.04%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	192.9	0.00037	mg/L	0.000034	0.00037	mg/L	0.000034	9.26%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	-1.8	-0.00008	mg/L	0.000382	-0.00008	mg/L	0.000382	502.06%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	8.4	0.00192	mg/L	0.001508	0.00192	mg/L	0.001508	78.54%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.4	-0.00105	mg/L	0.002623	-0.00105	mg/L	0.002623	249.63%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.3	-0.00052	mg/L	0.008123	-0.00052	mg/L	0.008123	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	-0.8	-0.00090	mg/L	0.005774	-0.00090	mg/L	0.005774	642.31%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	98.3	0.00086	mg/L	0.000055	0.00086	mg/L	0.000055	6.46%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	101.2	0.00425	mg/L	0.000211	0.00425	mg/L	0.000211	4.96%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	4.4	0.00010	mg/L	0.000101	0.00010	mg/L	0.000101	98.15%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	109.0	0.00019	mg/L	0.000054	0.00019	mg/L	0.000054	28.53%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	-2.0	-0.01238	mg/L	0.060147	-0.01238	mg/L	0.060147	485.90%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	65.1	0.00929	mg/L	0.004913	0.00929	mg/L	0.004913	52.88%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	264.1	0.12654	mg/L	0.026102	0.12654	mg/L	0.026102	20.63%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 85 **Autosampler Location: 130**
Sample ID: N1194-02A~SS-12-071 20X **Date Collected: 7/16/2014 2:44:24 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:29 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-02A~SS-12-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1821678.4	96.499	%	1.6076				1.67%
Lu 261.542	1177748.3	96.35	%	1.636				1.70%
Ag 328.068†	144.1	-0.00055	mg/L	0.001019	-0.00055	mg/L	0.001019	186.66%
Al 308.215†	171870.4	8.4131	mg/L	0.16284	8.4131	mg/L	0.16284	1.94%
As 188.979†	-2.2	0.01642	mg/L	0.000299	0.01642	mg/L	0.000299	1.82%
Ba 233.527†	8721.4	0.10983	mg/L	0.002796	0.10983	mg/L	0.002796	2.55%
Be 313.107†	1895.2	0.00135	mg/L	0.000039	0.00135	mg/L	0.000039	2.88%

Co 228.616†	377.8	0.01143	mg/L	0.000450	0.01143	mg/L	0.000450	3.94%
Cr 267.716†	8684.8	0.13150	mg/L	0.003282	0.13150	mg/L	0.003282	2.50%
Cu 324.752†	39127.3	0.19337	mg/L	0.004180	0.19337	mg/L	0.004180	2.16%
Fe 273.955†	3346684.6	152.37	mg/L	0.117	152.37	mg/L	0.117	0.08%
Mg 279.077†	162498.1	10.549	mg/L	0.2027	10.549	mg/L	0.2027	1.92%
Mn 257.610†	2215640.0	4.2083	mg/L	0.00340	4.2083	mg/L	0.00340	0.08%
Ni 231.604†	1932.2	0.08245	mg/L	0.001755	0.08245	mg/L	0.001755	2.13%
Pb 220.353†	2093.1	0.47126	mg/L	0.008282	0.47126	mg/L	0.008282	1.76%
Sb 206.836†	2.6	-0.00386	mg/L	0.005373	-0.00386	mg/L	0.005373	139.24%
Se 196.026†	-35.7	0.00928	mg/L	0.009876	0.00928	mg/L	0.009876	106.45%
Tl 190.801	-16.3	0.00748	mg/L	0.004023	0.00748	mg/L	0.004023	53.81%
V 292.402†	2179.5	0.02788	mg/L	0.000425	0.02788	mg/L	0.000425	1.53%
Zn 206.200†	20413.7	0.85440	mg/L	0.015268	0.85440	mg/L	0.015268	1.79%
Cd 226.502†	511.4	0.00535	mg/L	0.000113	0.00535	mg/L	0.000113	2.11%
Ti 334.940†	162812.1	0.28359	mg/L	0.005687	0.28359	mg/L	0.005687	2.01%
Ca 227.546†	7831.5	49.682	mg/L	0.7048	49.682	mg/L	0.7048	1.42%
Na 589.592	1396.1	0.19494	mg/L	0.007574	0.19494	mg/L	0.007574	3.89%
K 766.490	2996.6	1.4358	mg/L	0.02987	1.4358	mg/L	0.02987	2.08%

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Sequence No.: 86 **Autosampler Location: 131**
Sample ID: N1194-03A~SS-13-071 20X **Date Collected: 7/16/2014 2:48:06 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:30 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-03A~SS-13-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1832578.5	97.077	%	0.5173				0.53%
Lu 261.542	1179731.1	96.52	%	0.569				0.59%
Ag 328.068†	448.1	0.00026	mg/L	0.000502	0.00026	mg/L	0.000502	191.83%
Al 308.215†	174614.1	8.5481	mg/L	0.07240	8.5481	mg/L	0.07240	0.85%
As 188.979†	-9.2	0.02282	mg/L	0.001324	0.02282	mg/L	0.001324	5.80%
Ba 233.527†	9157.7	0.11532	mg/L	0.001025	0.11532	mg/L	0.001025	0.89%
Be 313.107†	2378.4	0.00176	mg/L	0.000015	0.00176	mg/L	0.000015	0.83%
Co 228.616†	574.1	0.01743	mg/L	0.000236	0.01743	mg/L	0.000236	1.36%
Cr 267.716†	11429.1	0.17303	mg/L	0.001396	0.17303	mg/L	0.001396	0.81%
Cu 324.752†	65593.9	0.32548	mg/L	0.002587	0.32548	mg/L	0.002587	0.79%
Fe 273.955†	6022646.3	274.19	mg/L	0.428	274.19	mg/L	0.428	0.16%
Mg 279.077†	191566.0	12.482	mg/L	0.1129	12.482	mg/L	0.1129	0.90%
Mn 257.610†	2946691.2	5.5967	mg/L	0.01113	5.5967	mg/L	0.01113	0.20%
Ni 231.604†	3345.8	0.14286	mg/L	0.001166	0.14286	mg/L	0.001166	0.82%
Pb 220.353†	2907.2	0.65112	mg/L	0.005153	0.65112	mg/L	0.005153	0.79%
Sb 206.836†	2.8	-0.00786	mg/L	0.001740	-0.00786	mg/L	0.001740	22.14%
Se 196.026†	-53.3	0.03630	mg/L	0.003892	0.03630	mg/L	0.003892	10.72%
Tl 190.801	-25.6	0.01971	mg/L	0.006354	0.01971	mg/L	0.006354	32.24%
V 292.402†	1553.2	0.02952	mg/L	0.000425	0.02952	mg/L	0.000425	1.44%
Zn 206.200†	26273.1	1.0976	mg/L	0.01100	1.0976	mg/L	0.01100	1.00%
Cd 226.502†	896.9	0.00908	mg/L	0.000195	0.00908	mg/L	0.000195	2.15%
Ti 334.940†	228582.9	0.39794	mg/L	0.003388	0.39794	mg/L	0.003388	0.85%
Ca 227.546†	7391.4	48.298	mg/L	0.2021	48.298	mg/L	0.2021	0.42%
Na 589.592	7630.4	1.0857	mg/L	0.01353	1.0857	mg/L	0.01353	1.25%
K 766.490	3548.9	1.7004	mg/L	0.04356	1.7004	mg/L	0.04356	2.56%

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Sequence No.: 87 **Autosampler Location: 132**
Sample ID: N1194-04A~SS-14-071 20X **Date Collected: 7/16/2014 2:51:50 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:30 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-04A~SS-14-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1791163.5	94.883	%	0.8260				0.87%
Lu 261.542	1157927.0	94.73	%	0.886				0.94%

Ag 328.068†	288.6	0.00009	mg/L	0.000387	0.00009	mg/L	0.000387 435.48%
Al 308.215†	198934.5	9.7387	mg/L	0.18100	9.7387	mg/L	0.18100 1.86%
As 188.979†	-9.4	0.01285	mg/L	0.003647	0.01285	mg/L	0.003647 28.37%
Ba 233.527†	9730.8	0.12255	mg/L	0.001794	0.12255	mg/L	0.001794 1.46%
Be 313.107†	2503.1	0.00162	mg/L	0.000009	0.00162	mg/L	0.000009 0.55%
Co 228.616†	422.7	0.01285	mg/L	0.000029	0.01285	mg/L	0.000029 0.22%
Cr 267.716†	12739.3	0.19348	mg/L	0.003949	0.19348	mg/L	0.003949 2.04%
Cu 324.752†	52314.9	0.25728	mg/L	0.003756	0.25728	mg/L	0.003756 1.46%
Fe 273.955†	4078318.1	185.67	mg/L	0.152	185.67	mg/L	0.152 0.08%
Mg 279.077†	205298.5	13.324	mg/L	0.2662	13.324	mg/L	0.2662 2.00%
Mn 257.610†	2404047.9	4.5661	mg/L	0.00667	4.5661	mg/L	0.00667 0.15%
Ni 231.604†	2353.9	0.10047	mg/L	0.000593	0.10047	mg/L	0.000593 0.59%
Pb 220.353†	3127.8	0.70564	mg/L	0.005995	0.70564	mg/L	0.005995 0.85%
Sb 206.836†	2.8	-0.00554	mg/L	0.008227	-0.00554	mg/L	0.008227 148.55%
Se 196.026†	-34.4	0.02730	mg/L	0.009343	0.02730	mg/L	0.009343 34.22%
Tl 190.801	-23.8	0.00571	mg/L	0.007208	0.00571	mg/L	0.007208 126.32%
V 292.402†	2591.0	0.03354	mg/L	0.000838	0.03354	mg/L	0.000838 2.50%
Zn 206.200†	22493.0	0.94108	mg/L	0.016862	0.94108	mg/L	0.016862 1.79%
Cd 226.502†	635.6	0.00681	mg/L	0.000082	0.00681	mg/L	0.000082 1.20%
Ti 334.940†	164083.3	0.28573	mg/L	0.005291	0.28573	mg/L	0.005291 1.85%
Ca 227.546†	8418.1	53.640	mg/L	0.5737	53.640	mg/L	0.5737 1.07%
Na 589.592	1775.8	0.24849	mg/L	0.002957	0.24849	mg/L	0.002957 1.19%
K 766.490	2979.5	1.4276	mg/L	0.04434	1.4276	mg/L	0.04434 3.11%

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Sequence No.: 88 **Autosampler Location: 133**
Sample ID: N1194-05A~SS-15-071 20X **Date Collected: 7/16/2014 2:55:32 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:31 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-05A~SS-15-071 20X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1817164.5	96.260	%	0.9805				1.02%
Lu 261.542	1175523.6	96.17	%	0.988				1.03%
Ag 328.068†	562.1	0.00217	mg/L	0.000228	0.00217	mg/L	0.000228	10.49%
Al 308.215†	219421.1	10.744	mg/L	0.1654	10.744	mg/L	0.1654	1.54%
As 188.979†	1.1	0.02072	mg/L	0.004523	0.02072	mg/L	0.004523	21.83%
Ba 233.527†	10866.0	0.13684	mg/L	0.002194	0.13684	mg/L	0.002194	1.60%
Be 313.107†	3204.7	0.00198	mg/L	0.000026	0.00198	mg/L	0.000026	1.33%
Co 228.616†	393.0	0.01186	mg/L	0.000208	0.01186	mg/L	0.000208	1.75%
Cr 267.716†	6153.4	0.09269	mg/L	0.001020	0.09269	mg/L	0.001020	1.10%
Cu 324.752†	45555.0	0.22393	mg/L	0.003651	0.22393	mg/L	0.003651	1.63%
Fe 273.955†	3519943.7	160.25	mg/L	0.193	160.25	mg/L	0.193	0.12%
Mg 279.077†	179491.8	11.648	mg/L	0.1960	11.648	mg/L	0.1960	1.68%
Mn 257.610†	2271391.2	4.3142	mg/L	0.00520	4.3142	mg/L	0.00520	0.12%
Ni 231.604†	1606.4	0.06849	mg/L	0.000533	0.06849	mg/L	0.000533	0.78%
Pb 220.353†	4043.0	0.91548	mg/L	0.008682	0.91548	mg/L	0.008682	0.95%
Sb 206.836†	1.2	-0.00473	mg/L	0.002097	-0.00473	mg/L	0.002097	44.35%
Se 196.026†	-36.3	0.01198	mg/L	0.013100	0.01198	mg/L	0.013100	109.33%
Tl 190.801	-18.5	0.00649	mg/L	0.003993	0.00649	mg/L	0.003993	61.54%
V 292.402†	2598.0	0.03187	mg/L	0.000459	0.03187	mg/L	0.000459	1.44%
Zn 206.200†	35953.1	1.5074	mg/L	0.02716	1.5074	mg/L	0.02716	1.80%
Cd 226.502†	638.2	0.00796	mg/L	0.000192	0.00796	mg/L	0.000192	2.42%
Ti 334.940†	178406.6	0.31070	mg/L	0.005566	0.31070	mg/L	0.005566	1.79%
Ca 227.546†	7878.5	50.056	mg/L	0.5370	50.056	mg/L	0.5370	1.07%
Na 589.592	2666.1	0.37516	mg/L	0.012635	0.37516	mg/L	0.012635	3.37%
K 766.490	5472.7	2.6223	mg/L	0.07718	2.6223	mg/L	0.07718	2.94%

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Sequence No.: 89 **Autosampler Location: 134**
Sample ID: N1194-06A~SS-16-071 20X **Date Collected: 7/16/2014 2:59:14 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:32 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-06A~SS-16-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1809886.0	95.875	%	0.6852				0.71%
Lu 261.542	1161866.4	95.05	%	0.617				0.65%
Ag 328.068†	327.9	-0.00037	mg/L	0.000468	-0.00037	mg/L	0.000468	125.08%
Al 308.215†	344344.8	16.850	mg/L	0.2965	16.850	mg/L	0.2965	1.76%
As 188.979†	-12.1	0.02013	mg/L	0.003971	0.02013	mg/L	0.003971	19.73%
Ba 233.527†	16150.7	0.20338	mg/L	0.003693	0.20338	mg/L	0.003693	1.82%
Be 313.107†	6996.4	0.00397	mg/L	0.000044	0.00397	mg/L	0.000044	1.11%
Co 228.616†	602.6	0.01818	mg/L	0.000417	0.01818	mg/L	0.000417	2.29%
Cr 267.716†	19478.5	0.29608	mg/L	0.005493	0.29608	mg/L	0.005493	1.86%
Cu 324.752†	77443.8	0.37972	mg/L	0.006511	0.37972	mg/L	0.006511	1.71%
Fe 273.955†	5680990.6	258.64	mg/L	0.491	258.64	mg/L	0.491	0.19%
Mg 279.077†	498183.6	32.237	mg/L	0.0501	32.237	mg/L	0.0501	0.16%
Mn 257.610†	3312925.6	6.2923	mg/L	0.01224	6.2923	mg/L	0.01224	0.19%
Ni 231.604†	3040.1	0.12959	mg/L	0.000833	0.12959	mg/L	0.000833	0.64%
Pb 220.353†	4343.4	0.98066	mg/L	0.009226	0.98066	mg/L	0.009226	0.94%
Sb 206.836†	11.1	-0.00213	mg/L	0.003010	-0.00213	mg/L	0.003010	141.32%
Se 196.026†	-57.6	0.02123	mg/L	0.005656	0.02123	mg/L	0.005656	26.64%
Tl 190.801	-25.0	0.01779	mg/L	0.001686	0.01779	mg/L	0.001686	9.48%
V 292.402†	3238.6	0.04346	mg/L	0.000724	0.04346	mg/L	0.000724	1.67%
Zn 206.200†	46070.5	1.9306	mg/L	0.03263	1.9306	mg/L	0.03263	1.69%
Cd 226.502†	927.4	0.01046	mg/L	0.000479	0.01046	mg/L	0.000479	4.58%
Ti 334.940†	274454.0	0.47798	mg/L	0.000291	0.47798	mg/L	0.000291	0.06%
Ca 227.546†	19353.9	121.51	mg/L	2.197	121.51	mg/L	2.197	1.81%
Na 589.592	3664.6	0.51453	mg/L	0.011071	0.51453	mg/L	0.011071	2.15%
K 766.490	3053.2	1.4629	mg/L	0.03388	1.4629	mg/L	0.03388	2.32%

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Sequence No.: 90 **Autosampler Location: 135**
Sample ID: N1194-07A~SS-17-071 20X **Date Collected: 7/16/2014 3:03:00 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:33 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-07A~SS-17-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1813543.4	96.069	%	0.3803				0.40%
Lu 261.542	1170887.5	95.79	%	0.304				0.32%
Ag 328.068†	412.1	0.00072	mg/L	0.000143	0.00072	mg/L	0.000143	19.77%
Al 308.215†	189414.0	9.2735	mg/L	0.07780	9.2735	mg/L	0.07780	0.84%
As 188.979†	-3.3	0.02109	mg/L	0.001354	0.02109	mg/L	0.001354	6.42%
Ba 233.527†	9959.9	0.12543	mg/L	0.000687	0.12543	mg/L	0.000687	0.55%
Be 313.107†	2009.9	0.00156	mg/L	0.000027	0.00156	mg/L	0.000027	1.73%
Co 228.616†	468.0	0.01411	mg/L	0.000137	0.01411	mg/L	0.000137	0.97%
Cr 267.716†	9208.2	0.13916	mg/L	0.001775	0.13916	mg/L	0.001775	1.28%
Cu 324.752†	59466.7	0.29199	mg/L	0.001861	0.29199	mg/L	0.001861	0.64%
Fe 273.955†	4492662.8	204.54	mg/L	0.331	204.54	mg/L	0.331	0.16%
Mg 279.077†	161930.5	10.538	mg/L	0.0976	10.538	mg/L	0.0976	0.93%
Mn 257.610†	2745613.5	5.2149	mg/L	0.01493	5.2149	mg/L	0.01493	0.29%
Ni 231.604†	1751.5	0.07467	mg/L	0.000157	0.07467	mg/L	0.000157	0.21%
Pb 220.353†	3161.9	0.71247	mg/L	0.002429	0.71247	mg/L	0.002429	0.34%
Sb 206.836†	3.9	-0.00463	mg/L	0.000273	-0.00463	mg/L	0.000273	5.89%
Se 196.026†	-41.3	0.02415	mg/L	0.005329	0.02415	mg/L	0.005329	22.07%
Tl 190.801	-25.3	0.00670	mg/L	0.004112	0.00670	mg/L	0.004112	61.37%
V 292.402†	2398.2	0.03276	mg/L	0.000451	0.03276	mg/L	0.000451	1.38%
Zn 206.200†	33391.2	1.3986	mg/L	0.01114	1.3986	mg/L	0.01114	0.80%
Cd 226.502†	712.8	0.00779	mg/L	0.000141	0.00779	mg/L	0.000141	1.81%
Ti 334.940†	215538.8	0.37533	mg/L	0.003147	0.37533	mg/L	0.003147	0.84%
Ca 227.546†	7484.0	48.115	mg/L	0.2258	48.115	mg/L	0.2258	0.47%
Na 589.592	1265.0	0.17575	mg/L	0.006453	0.17575	mg/L	0.006453	3.67%
K 766.490	3629.4	1.7390	mg/L	0.06140	1.7390	mg/L	0.06140	3.53%

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Sequence No.: 91 **Autosampler Location: 136**
Sample ID: N1194-08A~SS-18-071 20X **Date Collected: 7/16/2014 3:06:43 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:33 AM**

Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-08A~SS-18-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1822348.6	96.535	%	1.5863				1.64%
Lu 261.542	1172890.1	95.96	%	1.650				1.72%
Ag 328.068†	503.8	0.00111	mg/L	0.000351	0.00111	mg/L	0.000351	31.52%
Al 308.215†	123059.0	6.0252	mg/L	0.09340	6.0252	mg/L	0.09340	1.55%
As 188.979†	-0.7	0.02565	mg/L	0.001747	0.02565	mg/L	0.001747	6.81%
Ba 233.527†	6271.9	0.07899	mg/L	0.001383	0.07899	mg/L	0.001383	1.75%
Be 313.107†	1332.8	0.00116	mg/L	0.000025	0.00116	mg/L	0.000025	2.14%
Co 228.616†	532.3	0.01627	mg/L	0.000220	0.01627	mg/L	0.000220	1.35%
Cr 267.716†	9452.0	0.14168	mg/L	0.002338	0.14168	mg/L	0.002338	1.65%
Cu 324.752†	63033.3	0.31018	mg/L	0.003859	0.31018	mg/L	0.003859	1.24%
Fe 273.955†	4975382.6	226.52	mg/L	1.497	226.52	mg/L	1.497	0.66%
Mg 279.077†	134961.0	8.8100	mg/L	0.11682	8.8100	mg/L	0.11682	1.33%
Mn 257.610†	4496333.8	8.5398	mg/L	0.06229	8.5398	mg/L	0.06229	0.73%
Ni 231.604†	2343.5	0.10004	mg/L	0.001543	0.10004	mg/L	0.001543	1.54%
Pb 220.353†	4364.3	0.98492	mg/L	0.015239	0.98492	mg/L	0.015239	1.55%
Sb 206.836†	2.6	-0.00637	mg/L	0.003998	-0.00637	mg/L	0.003998	62.80%
Se 196.026†	-44.9	0.02633	mg/L	0.004438	0.02633	mg/L	0.004438	16.86%
Tl 190.801	-26.6	0.00445	mg/L	0.002189	0.00445	mg/L	0.002189	49.21%
V 292.402†	1750.5	0.02847	mg/L	0.000630	0.02847	mg/L	0.000630	2.21%
Zn 206.200†	41987.6	1.7596	mg/L	0.02366	1.7596	mg/L	0.02366	1.34%
Cd 226.502†	784.8	0.00852	mg/L	0.000592	0.00852	mg/L	0.000592	6.95%
Ti 334.940†	184436.5	0.32101	mg/L	0.004291	0.32101	mg/L	0.004291	1.34%
Ca 227.546†	4509.1	30.103	mg/L	0.2976	30.103	mg/L	0.2976	0.99%
Na 589.592	555.7	0.07615	mg/L	0.005816	0.07615	mg/L	0.005816	7.64%
K 766.490	1622.6	0.77748	mg/L	0.051174	0.77748	mg/L	0.051174	6.58%

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Sequence No.: 92 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 3:10:27 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:34 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1784712.1	94.541	%	0.8536				0.90%
Lu 261.542	1159168.2	94.83	%	0.841				0.89%
Ag 328.068†	202056.0	1.3514	mg/L	0.01020	1.3514	mg/L	0.01020	0.75%
QC value within limits for Ag 328.068 Recovery = 108.12%								
Al 308.215†	214525.3	10.483	mg/L	0.0868	10.483	mg/L	0.0868	0.83%
QC value within limits for Al 308.215 Recovery = 104.83%								
As 188.979†	454.8	0.51436	mg/L	0.000207	0.51436	mg/L	0.000207	0.04%
QC value within limits for As 188.979 Recovery = 102.87%								
Ba 233.527†	814355.0	10.256	mg/L	0.0177	10.256	mg/L	0.0177	0.17%
QC value within limits for Ba 233.527 Recovery = 102.56%								
Be 313.107†	562318.6	0.25272	mg/L	0.000418	0.25272	mg/L	0.000418	0.17%
QC value within limits for Be 313.107 Recovery = 101.09%								
Co 228.616†	79263.3	2.5204	mg/L	0.01944	2.5204	mg/L	0.01944	0.77%
QC value within limits for Co 228.616 Recovery = 100.82%								
Cr 267.716†	66222.6	1.0145	mg/L	0.00702	1.0145	mg/L	0.00702	0.69%
QC value within limits for Cr 267.716 Recovery = 101.45%								
Cu 324.752†	270524.0	1.2638	mg/L	0.00884	1.2638	mg/L	0.00884	0.70%
QC value within limits for Cu 324.752 Recovery = 101.10%								
Fe 273.955†	114590.7	5.3080	mg/L	0.04866	5.3080	mg/L	0.04866	0.92%
QC value within limits for Fe 273.955 Recovery = 106.16%								
Mg 279.077†	400628.7	25.825	mg/L	0.0466	25.825	mg/L	0.0466	0.18%
QC value within limits for Mg 279.077 Recovery = 103.30%								
Mn 257.610†	1352305.7	2.5676	mg/L	0.00273	2.5676	mg/L	0.00273	0.11%
QC value within limits for Mn 257.610 Recovery = 102.70%								
Ni 231.604†	60875.5	2.6046	mg/L	0.01733	2.6046	mg/L	0.01733	0.67%

QC value within limits for Ni 231.604 Recovery = 104.19%

Pb 220.353†	2259.3	0.51524 mg/L	0.004813	0.51524 mg/L	0.004813	0.93%

QC value within limits for Pb 220.353 Recovery = 103.05%

Sb 206.836†	672.9	0.47863 mg/L	0.001449	0.47863 mg/L	0.001449	0.30%

QC value within limits for Sb 206.836 Recovery = 95.73%

Se 196.026†	289.0	0.50419 mg/L	0.008270	0.50419 mg/L	0.008270	1.64%

QC value within limits for Se 196.026 Recovery = 100.84%

Tl 190.801	470.2	0.45844 mg/L	0.003432	0.45844 mg/L	0.003432	0.75%

QC value within limits for Tl 190.801 Recovery = 91.69%

V 292.402†	294447.7	2.5650 mg/L	0.01914	2.5650 mg/L	0.01914	0.75%

QC value within limits for V 292.402 Recovery = 102.60%

Zn 206.200†	61723.8	2.5980 mg/L	0.02573	2.5980 mg/L	0.02573	0.99%

QC value within limits for Zn 206.200 Recovery = 103.92%

Cd 226.502†	11026.8	0.25738 mg/L	0.001598	0.25738 mg/L	0.001598	0.62%

QC value within limits for Cd 226.502 Recovery = 102.95%

Ti 334.940†	286654.3	0.49798 mg/L	0.002409	0.49798 mg/L	0.002409	0.48%

QC value within limits for Ti 334.940 Recovery = Not calculated

Ca 227.546†	4053.3	24.303 mg/L	0.2299	24.303 mg/L	0.2299	0.95%

QC value within limits for Ca 227.546 Recovery = 97.21%

Na 589.592	177335.0	25.334 mg/L	0.2808	25.334 mg/L	0.2808	1.11%

QC value within limits for Na 589.592 Recovery = 101.34%

K 766.490	55471.5	26.579 mg/L	0.2904	26.579 mg/L	0.2904	1.09%

QC value within limits for K 766.490 Recovery = 106.32%

All analyte(s) passed QC.

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Sequence No.: 93 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 3:14:09 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:35 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1836539.6	97.287	%	1.0436				1.07%
Lu 261.542	1194670.8	97.74	%	0.991				1.01%
Ag 328.068†	-10.3	-0.00007	mg/L	0.000231	-0.00007	mg/L	0.000231	337.38%

QC value within limits for Ag 328.068 Recovery = Not calculated

Al 308.215†	166.1	0.00814 mg/L	0.005591	0.00814 mg/L	0.005591	68.69%

QC value within limits for Al 308.215 Recovery = Not calculated

As 188.979†	-0.3	-0.00039 mg/L	0.006158	-0.00039 mg/L	0.006158	>999.9%

QC value within limits for As 188.979 Recovery = Not calculated

Ba 233.527†	75.4	0.00095 mg/L	0.000078	0.00095 mg/L	0.000078	8.17%

QC value within limits for Ba 233.527 Recovery = Not calculated

Be 313.107†	10.1	0.00000 mg/L	0.000037	0.00000 mg/L	0.000037	750.53%

QC value within limits for Be 313.107 Recovery = Not calculated

Co 228.616†	9.2	0.00029 mg/L	0.000074	0.00029 mg/L	0.000074	25.31%

QC value within limits for Co 228.616 Recovery = Not calculated

Cr 267.716†	5.2	0.00008 mg/L	0.000066	0.00008 mg/L	0.000066	81.92%

QC value within limits for Cr 267.716 Recovery = Not calculated

Cu 324.752†	186.9	0.00087 mg/L	0.000144	0.00087 mg/L	0.000144	16.44%

QC value within limits for Cu 324.752 Recovery = Not calculated

Fe 273.955†	196.6	0.00897 mg/L	0.000544	0.00897 mg/L	0.000544	6.06%

QC value within limits for Fe 273.955 Recovery = Not calculated

Mg 279.077†	69.3	0.00447 mg/L	0.002640	0.00447 mg/L	0.002640	59.07%

QC value within limits for Mg 279.077 Recovery = Not calculated

Mn 257.610†	254.3	0.00048 mg/L	0.000069	0.00048 mg/L	0.000069	14.19%

QC value within limits for Mn 257.610 Recovery = Not calculated

Ni 231.604†	0.6	0.00003 mg/L	0.000338	0.00003 mg/L	0.000338	>999.9%

QC value within limits for Ni 231.604 Recovery = Not calculated

Pb 220.353†	6.6	0.00151 mg/L	0.001732	0.00151 mg/L	0.001732	114.33%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	2.3	0.00168 mg/L	0.003574	0.00168 mg/L	0.003574	212.31%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	-0.1	-0.00024 mg/L	0.006757	-0.00024 mg/L	0.006757	>999.9%

QC value within limits for Se 196.026 Recovery = Not calculated

Tl 190.801	0.7	0.00074 mg/L	0.001032	0.00074 mg/L	0.001032	140.37%

QC value within limits for Tl 190.801 Recovery = Not calculated

V 292.402†	61.7	0.00054 mg/L	0.000045	0.00054 mg/L	0.000045	8.36%
QC value within limits for V 292.402 Recovery = Not calculated							
Zn 206.200†	95.3	0.00401 mg/L	0.000173	0.00401 mg/L	0.000173	4.31%
QC value within limits for Zn 206.200 Recovery = Not calculated							
Cd 226.502†	7.3	0.00017 mg/L	0.000120	0.00017 mg/L	0.000120	71.27%
QC value within limits for Cd 226.502 Recovery = Not calculated							
Ti 334.940†	101.6	0.00018 mg/L	0.000165	0.00018 mg/L	0.000165	93.70%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Ca 227.546†	-4.7	-0.02868 mg/L	0.017620	-0.02868 mg/L	0.017620	61.45%
QC value within limits for Ca 227.546 Recovery = Not calculated							
Na 589.592	-76.5	-0.01094 mg/L	0.004301	-0.01094 mg/L	0.004301	39.32%
QC value within limits for Na 589.592 Recovery = Not calculated							
K 766.490	258.8	0.12401 mg/L	0.040683	0.12401 mg/L	0.040683	32.81%
QC value within limits for K 766.490 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 94 **Autosampler Location: 64**
Sample ID: MB-78054~PBS **Date Collected: 7/16/2014 3:17:47 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:35 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: MB-78054~PBS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1816105.1	96.204	%	1.0724				1.11%
Lu 261.542	1178604.9	96.42	%	1.099				1.14%
Ag 328.068†	10.8	0.00007	mg/L	0.000292	0.00007	mg/L	0.000292	432.20%
Al 308.215†	862.4	0.04223	mg/L	0.005156	0.04223	mg/L	0.005156	12.21%
As 188.979†	-0.6	-0.00057	mg/L	0.004557	-0.00057	mg/L	0.004557	804.49%
Ba 233.527†	64.2	0.00081	mg/L	0.000093	0.00081	mg/L	0.000093	11.49%
Be 313.107†	-43.9	-0.00002	mg/L	0.000008	-0.00002	mg/L	0.000008	45.52%
Co 228.616†	-1.1	-0.00004	mg/L	0.000143	-0.00004	mg/L	0.000143	396.39%
Cr 267.716†	34.2	0.00052	mg/L	0.000021	0.00052	mg/L	0.000021	4.02%
Cu 324.752†	533.5	0.00253	mg/L	0.000562	0.00253	mg/L	0.000562	22.23%
Fe 273.955†	11199.0	0.50987	mg/L	0.006200	0.50987	mg/L	0.006200	1.22%
Mg 279.077†	528.1	0.03429	mg/L	0.002391	0.03429	mg/L	0.002391	6.97%
Mn 257.610†	7338.4	0.01394	mg/L	0.000034	0.01394	mg/L	0.000034	0.24%
Ni 231.604†	5.4	0.00023	mg/L	0.000408	0.00023	mg/L	0.000408	173.52%
Pb 220.353†	39.7	0.00902	mg/L	0.002002	0.00902	mg/L	0.002002	22.20%
Sb 206.836†	3.2	0.00232	mg/L	0.002034	0.00232	mg/L	0.002034	87.59%
Se 196.026†	0.3	0.00075	mg/L	0.009410	0.00075	mg/L	0.009410	>999.9%
Tl 190.801	-5.8	-0.00599	mg/L	0.001365	-0.00599	mg/L	0.001365	22.78%
V 292.402†	50.4	0.00047	mg/L	0.000668	0.00047	mg/L	0.000668	142.55%
Zn 206.200†	428.5	0.01800	mg/L	0.000280	0.01800	mg/L	0.000280	1.55%
Cd 226.502†	-1.7	-0.00006	mg/L	0.000062	-0.00006	mg/L	0.000062	98.22%
Ti 334.940†	536.4	0.00093	mg/L	0.000060	0.00093	mg/L	0.000060	6.47%
Ca 227.546†	27.9	0.17636	mg/L	0.046318	0.17636	mg/L	0.046318	26.26%
Na 589.592	30.9	0.00439	mg/L	0.006866	0.00439	mg/L	0.006866	156.34%
K 766.490	238.2	0.11415	mg/L	0.007693	0.11415	mg/L	0.007693	6.74%

Sequence No.: 95 **Autosampler Location: 65**
Sample ID: LCS-78054~LCS **Date Collected: 7/16/2014 3:21:26 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:36 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: LCS-78054~LCS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1767338.0	93.621	%	0.8141				0.87%
Lu 261.542	1160368.8	94.93	%	0.937				0.99%
Ag 328.068†	180067.9	1.2044	mg/L	0.00489	1.2044	mg/L	0.00489	0.41%
Al 308.215†	188768.4	9.2240	mg/L	0.02611	9.2240	mg/L	0.02611	0.28%
As 188.979†	418.0	0.47308	mg/L	0.006390	0.47308	mg/L	0.006390	1.35%

Ba 233.527†	737285.5	9.2858	mg/L	0.01753	9.2858	mg/L	0.01753	0.19%
Be 313.107†	507780.5	0.22743	mg/L	0.000150	0.22743	mg/L	0.000150	0.07%
Co 228.616†	73033.8	2.3233	mg/L	0.03798	2.3233	mg/L	0.03798	1.63%
Cr 267.716†	61460.7	0.94152	mg/L	0.017380	0.94152	mg/L	0.017380	1.85%
Cu 324.752†	247073.1	1.1544	mg/L	0.00504	1.1544	mg/L	0.00504	0.44%
Fe 273.955†	159892.2	7.3613	mg/L	0.12569	7.3613	mg/L	0.12569	1.71%
Mg 279.077†	362193.7	23.349	mg/L	0.0463	23.349	mg/L	0.0463	0.20%
Mn 257.610†	1269554.3	2.4105	mg/L	0.00436	2.4105	mg/L	0.00436	0.18%
Ni 231.604†	54195.1	2.3191	mg/L	0.04035	2.3191	mg/L	0.04035	1.74%
Pb 220.353†	2103.9	0.47939	mg/L	0.005817	0.47939	mg/L	0.005817	1.21%
Sb 206.836†	631.3	0.44863	mg/L	0.007591	0.44863	mg/L	0.007591	1.69%
Se 196.026†	247.9	0.43396	mg/L	0.005972	0.43396	mg/L	0.005972	1.38%
Tl 190.801	430.3	0.42066	mg/L	0.001796	0.42066	mg/L	0.001796	0.43%
V 292.402†	264245.6	2.3026	mg/L	0.00356	2.3026	mg/L	0.00356	0.15%
Zn 206.200†	54510.8	2.2945	mg/L	0.04272	2.2945	mg/L	0.04272	1.86%
Cd 226.502†	10204.7	0.23806	mg/L	0.004331	0.23806	mg/L	0.004331	1.82%
Ti 334.940†	2581.4	0.00366	mg/L	0.000070	0.00366	mg/L	0.000070	1.93%
Ca 227.546†	3753.0	22.540	mg/L	0.1680	22.540	mg/L	0.1680	0.75%
Na 589.592	154254.8	22.037	mg/L	0.2485	22.037	mg/L	0.2485	1.13%
K 766.490	49751.8	23.839	mg/L	0.2862	23.839	mg/L	0.2862	1.20%

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Sequence No.: 96 **Autosampler Location: 66**
Sample ID: N1194-09A~SS-19-071014 **Date Collected: 7/16/2014 3:25:06 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:37 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-09A~SS-19-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1558350.1	82.550	%	0.7577				0.92%
Lu 261.542	915271.7	74.88	%	0.736				0.98%
Ag 328.068†	4883.7	0.01379	mg/L	0.000348	0.01379	mg/L	0.000348	2.52%
Al 308.215†	4435189.2	216.29	mg/L	4.327	216.29	mg/L	4.327	2.00%
As 188.979†	8.4	0.32360	mg/L	0.018411	0.32360	mg/L	0.018411	5.69%
Ba 233.527†	221936.2	2.7947	mg/L	0.05616	2.7947	mg/L	0.05616	2.01%
Be 313.107†	41146.7	0.02722	mg/L	0.000534	0.02722	mg/L	0.000534	1.96%
Co 228.616†	6721.1	0.20345	mg/L	0.000324	0.20345	mg/L	0.000324	0.16%
Cr 267.716†	87066.6	1.3052	mg/L	0.02595	1.3052	mg/L	0.02595	1.99%
Cu 324.752†	876133.8	4.2244	mg/L	0.07270	4.2244	mg/L	0.07270	1.72%
Fe 273.955†	41898716.3	1907.5	mg/L	28.77	1907.5	mg/L	28.77	1.51%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	7810973.8	504.39	mg/L	10.709	504.39	mg/L	10.709	2.12%
Concentration greater than upper limit for Mg 279.077.								
Mn 257.610†	41365179.3	78.595	mg/L	1.0920	78.595	mg/L	1.0920	1.39%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	24403.0	1.0379	mg/L	0.00561	1.0379	mg/L	0.00561	0.54%
Pb 220.353†	49264.4	11.208	mg/L	0.0656	11.208	mg/L	0.0656	0.59%
Sb 206.836†	57.1	0.01800	mg/L	0.007520	0.01800	mg/L	0.007520	41.77%
Se 196.026†	-497.3	0.04568	mg/L	0.075713	0.04568	mg/L	0.075713	165.74%
Tl 190.801	-284.9	0.08117	mg/L	0.032395	0.08117	mg/L	0.032395	39.91%
V 292.402†	35863.0	0.42147	mg/L	0.005145	0.42147	mg/L	0.005145	1.22%
Zn 206.200†	413969.6	17.354	mg/L	0.3815	17.354	mg/L	0.3815	2.20%
Cd 226.502†	10675.2	0.16648	mg/L	0.004260	0.16648	mg/L	0.004260	2.56%
Ti 334.940†	2879283.9	5.0585	mg/L	0.08871	5.0585	mg/L	0.08871	1.75%
Ca 227.546†	787378.4	4850.2	mg/L	94.15	4850.2	mg/L	94.15	1.94%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	44852.1	6.2917	mg/L	0.07495	6.2917	mg/L	0.07495	1.19%
K 766.490	57222.0	27.418	mg/L	0.3359	27.418	mg/L	0.3359	1.23%

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Sequence No.: 97 **Autosampler Location: 67**
Sample ID: N1194-10A~SS-20-071014 **Date Collected: 7/16/2014 3:28:22 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:38 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-10A~SS-20-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1694774.7	89.777	%	1.0254				1.14%
Lu 261.542	970976.3	79.44	%	0.284				0.36%
Ag 328.068†	3385.2	-0.00174	mg/L	0.000100	-0.00174	mg/L	0.000100	5.74%
Al 308.215†	6327628.3	309.73	mg/L	2.745	309.73	mg/L	2.745	0.89%
As 188.979†	-80.7	0.26124	mg/L	0.016670	0.26124	mg/L	0.016670	6.38%
Ba 233.527†	263253.8	3.3152	mg/L	0.03054	3.3152	mg/L	0.03054	0.92%
Be 313.107†	68040.7	0.04553	mg/L	0.000386	0.04553	mg/L	0.000386	0.85%
Co 228.616†	7394.4	0.21736	mg/L	0.003420	0.21736	mg/L	0.003420	1.57%
Cr 267.716†	320366.6	4.8806	mg/L	0.04585	4.8806	mg/L	0.04585	0.94%
Cu 324.752†	670798.9	3.3056	mg/L	0.02269	3.3056	mg/L	0.02269	0.69%
Fe 273.955†	54394687.0	2476.4	mg/L	21.67	2476.4	mg/L	21.67	0.88%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	4445065.9	287.72	mg/L	2.520	287.72	mg/L	2.520	0.88%
Mn 257.610†	38666277.8	73.449	mg/L	0.3856	73.449	mg/L	0.3856	0.53%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	59188.7	2.5258	mg/L	0.02079	2.5258	mg/L	0.02079	0.82%
Pb 220.353†	45451.0	10.294	mg/L	0.0789	10.294	mg/L	0.0789	0.77%
Sb 206.836†	204.9	0.02830	mg/L	0.018288	0.02830	mg/L	0.018288	64.63%
Se 196.026†	-696.3	-0.04199	mg/L	0.037995	-0.04199	mg/L	0.037995	90.48%
Tl 190.801	-362.8	0.02625	mg/L	0.030054	0.02625	mg/L	0.030054	114.50%
V 292.402†	59232.6	0.66208	mg/L	0.005798	0.66208	mg/L	0.005798	0.88%
Zn 206.200†	445683.9	18.681	mg/L	0.1582	18.681	mg/L	0.1582	0.85%
Cd 226.502†	15193.3	0.24753	mg/L	0.002692	0.24753	mg/L	0.002692	1.09%
Ti 334.940†	4930890.5	8.5954	mg/L	0.06737	8.5954	mg/L	0.06737	0.78%
Ca 227.546†	303202.1	1886.5	mg/L	18.00	1886.5	mg/L	18.00	0.95%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	69431.7	9.7538	mg/L	0.17085	9.7538	mg/L	0.17085	1.75%
K 766.490	66031.1	31.639	mg/L	0.5529	31.639	mg/L	0.5529	1.75%

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Sequence No.: 98 **Autosampler Location: 68**
Sample ID: N1194-12A~SS-21-071014 **Date Collected: 7/16/2014 3:32:06 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:38 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-12A~SS-21-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1615165.1	85.560	%	0.9473				1.11%
Lu 261.542	1011024.6	82.71	%	0.263				0.32%
Ag 328.068†	8244.5	0.03159	mg/L	0.000832	0.03159	mg/L	0.000832	2.63%
Al 308.215†	3264798.1	159.85	mg/L	1.617	159.85	mg/L	1.617	1.01%
As 188.979†	-155.1	0.22598	mg/L	0.031651	0.22598	mg/L	0.031651	14.01%
Ba 233.527†	140946.7	1.7749	mg/L	0.01788	1.7749	mg/L	0.01788	1.01%
Be 313.107†	24837.6	0.02140	mg/L	0.000233	0.02140	mg/L	0.000233	1.09%
Co 228.616†	7851.6	0.23761	mg/L	0.002918	0.23761	mg/L	0.002918	1.23%
Cr 267.716†	865827.9	13.262	mg/L	0.1370	13.262	mg/L	0.1370	1.03%
Cu 324.752†	1582817.7	7.5562	mg/L	0.07421	7.5562	mg/L	0.07421	0.98%
Fe 273.955†	51996581.6	2367.3	mg/L	2.40	2367.3	mg/L	2.40	0.10%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2524363.6	163.87	mg/L	1.703	163.87	mg/L	1.703	1.04%
Mn 257.610†	Saturated2							
Ni 231.604†	38173.8	1.6291	mg/L	0.00601	1.6291	mg/L	0.00601	0.37%
Pb 220.353†	41222.8	9.3066	mg/L	0.02910	9.3066	mg/L	0.02910	0.31%
Sb 206.836†	364.5	0.03329	mg/L	0.007808	0.03329	mg/L	0.007808	23.46%
Se 196.026†	-694.3	-0.06171	mg/L	0.108657	-0.06171	mg/L	0.108657	176.07%
Tl 190.801	-367.1	0.08819	mg/L	0.007313	0.08819	mg/L	0.007313	8.29%
V 292.402†	28348.4	0.40727	mg/L	0.005082	0.40727	mg/L	0.005082	1.25%
Zn 206.200†	437596.6	18.372	mg/L	0.1855	18.372	mg/L	0.1855	1.01%
Cd 226.502†	13518.3	0.21299	mg/L	0.003010	0.21299	mg/L	0.003010	1.41%
Ti 334.940†	3364862.9	5.8576	mg/L	0.06530	5.8576	mg/L	0.06530	1.11%
Ca 227.546†	127197.3	805.75	mg/L	9.487	805.75	mg/L	9.487	1.18%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	24571.9	3.4248	mg/L	0.01952	3.4248	mg/L	0.01952	0.57%

K 766.490	72744.5	34.856	mg/L	0.2417	34.856	mg/L	0.2417	0.69%

Sequence No.: 99 **Autosampler Location: 69**
Sample ID: N1194-13A~SS-22-071014 **Date Collected: 7/16/2014 3:35:18 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:39 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-13A~SS-22-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1635512.9	86.638	%	0.2035				0.23%
Lu 261.542	1025013.7	83.86	%	0.581				0.69%
Ag 328.068†	4574.2	0.00696	mg/L	0.000808	0.00696	mg/L	0.000808	11.62%
Al 308.215†	2367699.3	115.89	mg/L	0.892	115.89	mg/L	0.892	0.77%
As 188.979†	-58.3	0.23013	mg/L	0.008968	0.23013	mg/L	0.008968	3.90%
Ba 233.527†	114397.8	1.4407	mg/L	0.01211	1.4407	mg/L	0.01211	0.84%
Be 313.107†	28633.2	0.02075	mg/L	0.000212	0.02075	mg/L	0.000212	1.02%
Co 228.616†	6847.2	0.20847	mg/L	0.001407	0.20847	mg/L	0.001407	0.67%
Cr 267.716†	128669.3	1.9494	mg/L	0.01515	1.9494	mg/L	0.01515	0.78%
Cu 324.752†	1631640.2	7.7853	mg/L	0.05254	7.7853	mg/L	0.05254	0.67%
Fe 273.955†	52365576.7	2384.1	mg/L	12.29	2384.1	mg/L	12.29	0.52%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	1888684.1	122.90	mg/L	1.039	122.90	mg/L	1.039	0.85%
Mn 257.610†	31175536.1	59.215	mg/L	0.5201	59.215	mg/L	0.5201	0.88%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	25614.3	1.0927	mg/L	0.01051	1.0927	mg/L	0.01051	0.96%
Pb 220.353†	41419.1	9.3446	mg/L	0.07922	9.3446	mg/L	0.07922	0.85%
Sb 206.836†	126.5	0.00064	mg/L	0.003504	0.00064	mg/L	0.003504	549.09%
Se 196.026†	-716.1	-0.12408	mg/L	0.038335	-0.12408	mg/L	0.038335	30.90%
Tl 190.801	-348.2	0.02739	mg/L	0.005623	0.02739	mg/L	0.005623	20.53%
V 292.402†	35642.8	0.44928	mg/L	0.002028	0.44928	mg/L	0.002028	0.45%
Zn 206.200†	406815.0	17.044	mg/L	0.1525	17.044	mg/L	0.1525	0.89%
Cd 226.502†	13782.4	0.21826	mg/L	0.002507	0.21826	mg/L	0.002507	1.15%
Ti 334.940†	2594162.9	4.5194	mg/L	0.03732	4.5194	mg/L	0.03732	0.83%
Ca 227.546†	113733.5	723.36	mg/L	6.152	723.36	mg/L	6.152	0.85%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	17637.4	2.4576	mg/L	0.02926	2.4576	mg/L	0.02926	1.19%
K 766.490	32429.3	15.539	mg/L	0.1771	15.539	mg/L	0.1771	1.14%

Sequence No.: 100 **Autosampler Location: 70**
Sample ID: N1194-14A~SS-23-071014 **Date Collected: 7/16/2014 3:39:33 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:40 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-14A~SS-23-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1639059.0	86.826	%	0.1779				0.20%
Lu 261.542	1036396.5	84.79	%	0.178				0.21%
Ag 328.068†	6070.1	0.01964	mg/L	0.000689	0.01964	mg/L	0.000689	3.51%
Al 308.215†	2410554.1	117.99	mg/L	0.594	117.99	mg/L	0.594	0.50%
As 188.979†	-56.6	0.20909	mg/L	0.003840	0.20909	mg/L	0.003840	1.84%
Ba 233.527†	118854.9	1.4968	mg/L	0.00645	1.4968	mg/L	0.00645	0.43%
Be 313.107†	22452.9	0.01828	mg/L	0.000116	0.01828	mg/L	0.000116	0.63%
Co 228.616†	6472.7	0.19606	mg/L	0.001255	0.19606	mg/L	0.001255	0.64%
Cr 267.716†	195764.5	2.9762	mg/L	0.01483	2.9762	mg/L	0.01483	0.50%
Cu 324.752†	1440608.6	6.8740	mg/L	0.03218	6.8740	mg/L	0.03218	0.47%
Fe 273.955†	46314215.1	2108.6	mg/L	3.97	2108.6	mg/L	3.97	0.19%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2029825.6	131.87	mg/L	0.796	131.87	mg/L	0.796	0.60%
Mn 257.610†	32460893.2	61.656	mg/L	0.1233	61.656	mg/L	0.1233	0.20%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	47514.2	2.0296	mg/L	0.01278	2.0296	mg/L	0.01278	0.63%

Pb 220.353†	40921.2	9.2450	mg/L	0.06069	9.2450	mg/L	0.06069	0.66%
Sb 206.836†	146.2	0.01108	mg/L	0.007227	0.01108	mg/L	0.007227	65.25%
Se 196.026†	-572.3	-0.00821	mg/L	0.026968	-0.00821	mg/L	0.026968	328.60%
Tl 190.801	-303.0	0.01691	mg/L	0.007956	0.01691	mg/L	0.007956	47.05%
V 292.402†	27379.4	0.36322	mg/L	0.000983	0.36322	mg/L	0.000983	0.27%
Zn 206.200†	407337.1	17.076	mg/L	0.1230	17.076	mg/L	0.1230	0.72%
Cd 226.502†	11097.3	0.16791	mg/L	0.001100	0.16791	mg/L	0.001100	0.65%
Ti 334.940†	2693653.9	4.6924	mg/L	0.02216	4.6924	mg/L	0.02216	0.47%
Ca 227.546†	118648.5	750.48	mg/L	3.948	750.48	mg/L	3.948	0.53%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	18159.9	2.5311	mg/L	0.02922	2.5311	mg/L	0.02922	1.15%
K 766.490	35770.9	17.140	mg/L	0.2535	17.140	mg/L	0.2535	1.48%

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Sequence No.: 101 **Autosampler Location: 71**
Sample ID: N1194-14ADUP~SS-23-07101 **Date Collected: 7/16/2014 3:43:49 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:40 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-14ADUP~SS-23-07101

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1665679.5	88.236	%	0.8783				1.00%
Lu 261.542	1021201.0	83.55	%	0.400				0.48%
Ag 328.068†	4835.1	0.01064	mg/L	0.000068	0.01064	mg/L	0.000068	0.64%
Al 308.215†	3412291.2	167.06	mg/L	2.448	167.06	mg/L	2.448	1.47%
As 188.979†	-14.0	0.26022	mg/L	0.030884	0.26022	mg/L	0.030884	11.87%
Ba 233.527†	156754.1	1.9740	mg/L	0.02904	1.9740	mg/L	0.02904	1.47%
Be 313.107†	38659.3	0.02739	mg/L	0.000463	0.02739	mg/L	0.000463	1.69%
Co 228.616†	8294.0	0.25158	mg/L	0.002989	0.25158	mg/L	0.002989	1.19%
Cr 267.716†	149870.7	2.2700	mg/L	0.03526	2.2700	mg/L	0.03526	1.55%
Cu 324.752†	1487296.7	7.0975	mg/L	0.10346	7.0975	mg/L	0.10346	1.46%
Fe 273.955†	48014958.9	2186.0	mg/L	21.76	2186.0	mg/L	21.76	1.00%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2728532.0	176.94	mg/L	2.816	176.94	mg/L	2.816	1.59%
Mn 257.610†	37203128.7	70.662	mg/L	0.3309	70.662	mg/L	0.3309	0.47%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	87059.5	3.7207	mg/L	0.05781	3.7207	mg/L	0.05781	1.55%
Pb 220.353†	37896.7	8.5583	mg/L	0.04960	8.5583	mg/L	0.04960	0.58%
Sb 206.836†	149.5	0.02025	mg/L	0.021988	0.02025	mg/L	0.021988	108.57%
Se 196.026†	-612.2	-0.04452	mg/L	0.068152	-0.04452	mg/L	0.068152	153.10%
Tl 190.801	-315.8	0.00494	mg/L	0.014879	0.00494	mg/L	0.014879	301.32%
V 292.402†	29474.2	0.38343	mg/L	0.006102	0.38343	mg/L	0.006102	1.59%
Zn 206.200†	392531.8	16.449	mg/L	0.2506	16.449	mg/L	0.2506	1.52%
Cd 226.502†	12205.5	0.19085	mg/L	0.001070	0.19085	mg/L	0.001070	0.56%
Ti 334.940†	3301017.4	5.7494	mg/L	0.09050	5.7494	mg/L	0.09050	1.57%
Ca 227.546†	136215.3	858.99	mg/L	12.418	858.99	mg/L	12.418	1.45%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	20725.8	2.8713	mg/L	0.02701	2.8713	mg/L	0.02701	0.94%
K 766.490	38854.0	18.617	mg/L	0.1473	18.617	mg/L	0.1473	0.79%

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Sequence No.: 102 **Autosampler Location: 72**
Sample ID: N1194-14AMS~SS-23-071014 **Date Collected: 7/16/2014 3:47:15 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:41 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-14AMS~SS-23-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1633724.9	86.543	%	0.2014				0.23%
Lu 261.542	1005558.0	82.27	%	0.492				0.60%
Ag 328.068†	200356.4	1.3159	mg/L	0.00956	1.3159	mg/L	0.00956	0.73%
Al 308.215†	3998365.9	195.74	mg/L	1.419	195.74	mg/L	1.419	0.72%
As 188.979†	344.1	0.71306	mg/L	0.025153	0.71306	mg/L	0.025153	3.53%

Ba 233.527†	862339.5	10.861	mg/L	0.0742	10.861	mg/L	0.0742	0.68%
Be 313.107†	523624.5	0.24532	mg/L	0.001640	0.24532	mg/L	0.001640	0.67%
Co 228.616†	72968.1	2.3080	mg/L	0.01532	2.3080	mg/L	0.01532	0.66%
Cr 267.716†	263357.7	4.0350	mg/L	0.02683	4.0350	mg/L	0.02683	0.66%
Cu 324.752†	2309409.3	10.952	mg/L	0.0847	10.952	mg/L	0.0847	0.77%
Fe 273.955†	53104704.5	2417.8	mg/L	36.87	2417.8	mg/L	36.87	1.52%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	3096416.9	200.77	mg/L	1.298	200.77	mg/L	1.298	0.65%
Mn 257.610†	Saturated2							
Ni 231.604†	146351.4	6.2577	mg/L	0.04893	6.2577	mg/L	0.04893	0.78%
Pb 220.353†	44860.2	10.136	mg/L	0.0863	10.136	mg/L	0.0863	0.85%
Sb 206.836†	460.3	0.21901	mg/L	0.009159	0.21901	mg/L	0.009159	4.18%
Se 196.026†	-506.0	0.29210	mg/L	0.029959	0.29210	mg/L	0.029959	10.26%
Tl 190.801	-95.3	0.36284	mg/L	0.020200	0.36284	mg/L	0.020200	5.57%
V 292.402†	286122.5	2.6343	mg/L	0.02108	2.6343	mg/L	0.02108	0.80%
Zn 206.200†	488271.2	20.473	mg/L	0.1375	20.473	mg/L	0.1375	0.67%
Cd 226.502†	23133.2	0.43610	mg/L	0.002151	0.43610	mg/L	0.002151	0.49%
Ti 334.940†	3535505.6	6.1578	mg/L	0.04401	6.1578	mg/L	0.04401	0.71%
Ca 227.546†	155842.8	981.37	mg/L	5.982	981.37	mg/L	5.982	0.61%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	177289.4	25.227	mg/L	0.0996	25.227	mg/L	0.0996	0.39%
K 766.490	87897.5	42.116	mg/L	0.2314	42.116	mg/L	0.2314	0.55%

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Sequence No.: 103 **Autosampler Location: 73**
Sample ID: N1194-14ASD~SS-23-071014 **Date Collected: 7/16/2014 3:50:29 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:42 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-14ASD~SS-23-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1762500.0	93.365	%	0.6935				0.74%
Lu 261.542	1130240.7	92.47	%	0.122				0.13%
Ag 328.068†	1425.2	0.00343	mg/L	0.000243	0.00343	mg/L	0.000243	7.09%
Al 308.215†	484795.2	23.730	mg/L	0.1654	23.730	mg/L	0.1654	0.70%
As 188.979†	-12.9	0.06191	mg/L	0.002367	0.06191	mg/L	0.002367	3.82%
Ba 233.527†	25564.5	0.32194	mg/L	0.000963	0.32194	mg/L	0.000963	0.30%
Be 313.107†	5063.8	0.00401	mg/L	0.000062	0.00401	mg/L	0.000062	1.53%
Co 228.616†	1515.6	0.04612	mg/L	0.000171	0.04612	mg/L	0.000171	0.37%
Cr 267.716†	42283.6	0.64221	mg/L	0.004382	0.64221	mg/L	0.004382	0.68%
Cu 324.752†	287260.4	1.3842	mg/L	0.00762	1.3842	mg/L	0.00762	0.55%
Fe 273.955†	13462189.1	612.90	mg/L	1.010	612.90	mg/L	1.010	0.16%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	459608.4	29.925	mg/L	0.2055	29.925	mg/L	0.2055	0.69%
Mn 257.610†	7926632.1	15.055	mg/L	0.0230	15.055	mg/L	0.0230	0.15%
Ni 231.604†	10706.1	0.45735	mg/L	0.001389	0.45735	mg/L	0.001389	0.30%
Pb 220.353†	9369.8	2.1103	mg/L	0.00940	2.1103	mg/L	0.00940	0.45%
Sb 206.836†	25.2	-0.00699	mg/L	0.004241	-0.00699	mg/L	0.004241	60.66%
Se 196.026†	-129.7	0.06211	mg/L	0.007616	0.06211	mg/L	0.007616	12.26%
Tl 190.801	-71.0	0.02637	mg/L	0.008675	0.02637	mg/L	0.008675	32.90%
V 292.402†	5689.7	0.08573	mg/L	0.000718	0.08573	mg/L	0.000718	0.84%
Zn 206.200†	96572.9	4.0453	mg/L	0.03256	4.0453	mg/L	0.03256	0.81%
Cd 226.502†	2210.2	0.02513	mg/L	0.000207	0.02513	mg/L	0.000207	0.82%
Ti 334.940†	571273.4	0.99491	mg/L	0.006062	0.99491	mg/L	0.006062	0.61%
Ca 227.546†	22995.9	147.66	mg/L	0.753	147.66	mg/L	0.753	0.51%
Na 589.592	3668.8	0.51142	mg/L	0.013175	0.51142	mg/L	0.013175	2.58%
K 766.490	7663.9	3.6722	mg/L	0.04147	3.6722	mg/L	0.04147	1.13%

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Sequence No.: 104 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 3:54:18 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:42 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1791117.6	94.881	%	0.1463				0.15%
Lu 261.542	1162927.3	95.14	%	0.199				0.21%
Ag 328.068†	200058.3	1.3381	mg/L	0.00089	1.3381	mg/L	0.00089	0.07%
QC value within limits for Ag 328.068 Recovery = 107.05%								
Al 308.215†	211300.8	10.326	mg/L	0.0113	10.326	mg/L	0.0113	0.11%
QC value within limits for Al 308.215 Recovery = 103.26%								
As 188.979†	448.7	0.50741	mg/L	0.006017	0.50741	mg/L	0.006017	1.19%
QC value within limits for As 188.979 Recovery = 101.48%								
Ba 233.527†	812016.5	10.227	mg/L	0.0059	10.227	mg/L	0.0059	0.06%
QC value within limits for Ba 233.527 Recovery = 102.27%								
Be 313.107†	561456.8	0.25233	mg/L	0.000238	0.25233	mg/L	0.000238	0.09%
QC value within limits for Be 313.107 Recovery = 100.93%								
Co 228.616†	78021.9	2.4810	mg/L	0.01507	2.4810	mg/L	0.01507	0.61%
QC value within limits for Co 228.616 Recovery = 99.24%								
Cr 267.716†	65211.7	0.99902	mg/L	0.005584	0.99902	mg/L	0.005584	0.56%
QC value within limits for Cr 267.716 Recovery = 99.90%								
Cu 324.752†	270876.0	1.2654	mg/L	0.00101	1.2654	mg/L	0.00101	0.08%
QC value within limits for Cu 324.752 Recovery = 101.23%								
Fe 273.955†	112426.8	5.2086	mg/L	0.03987	5.2086	mg/L	0.03987	0.77%
QC value within limits for Fe 273.955 Recovery = 104.17%								
Mg 279.077†	399847.3	25.775	mg/L	0.0198	25.775	mg/L	0.0198	0.08%
QC value within limits for Mg 279.077 Recovery = 103.10%								
Mn 257.610†	1348969.2	2.5613	mg/L	0.00221	2.5613	mg/L	0.00221	0.09%
QC value within limits for Mn 257.610 Recovery = 102.45%								
Ni 231.604†	59748.3	2.5564	mg/L	0.01166	2.5564	mg/L	0.01166	0.46%
QC value within limits for Ni 231.604 Recovery = 102.26%								
Pb 220.353†	2226.0	0.50764	mg/L	0.002566	0.50764	mg/L	0.002566	0.51%
QC value within limits for Pb 220.353 Recovery = 101.53%								
Sb 206.836†	664.4	0.47265	mg/L	0.006249	0.47265	mg/L	0.006249	1.32%
QC value within limits for Sb 206.836 Recovery = 94.53%								
Se 196.026†	282.2	0.49247	mg/L	0.001329	0.49247	mg/L	0.001329	0.27%
QC value within limits for Se 196.026 Recovery = 98.49%								
Tl 190.801	468.2	0.45674	mg/L	0.000922	0.45674	mg/L	0.000922	0.20%
QC value within limits for Tl 190.801 Recovery = 91.35%								
V 292.402†	291498.3	2.5393	mg/L	0.00082	2.5393	mg/L	0.00082	0.03%
QC value within limits for V 292.402 Recovery = 101.57%								
Zn 206.200†	60585.8	2.5501	mg/L	0.01569	2.5501	mg/L	0.01569	0.62%
QC value within limits for Zn 206.200 Recovery = 102.01%								
Cd 226.502†	10874.4	0.25382	mg/L	0.000335	0.25382	mg/L	0.000335	0.13%
QC value within limits for Cd 226.502 Recovery = 101.53%								
Ti 334.940†	285505.7	0.49598	mg/L	0.001198	0.49598	mg/L	0.001198	0.24%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	3992.4	23.937	mg/L	0.1708	23.937	mg/L	0.1708	0.71%
QC value within limits for Ca 227.546 Recovery = 95.75%								
Na 589.592	171060.4	24.438	mg/L	0.2679	24.438	mg/L	0.2679	1.10%
QC value within limits for Na 589.592 Recovery = 97.75%								
K 766.490	55319.0	26.506	mg/L	0.2845	26.506	mg/L	0.2845	1.07%
QC value within limits for K 766.490 Recovery = 106.03%								

All analyte(s) passed QC.

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Sequence No.: 105 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 3:58:01 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:43 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1838885.1	97.411	%	1.1024				1.13%
Lu 261.542	1185440.3	96.98	%	1.205				1.24%
Ag 328.068†	26.2	0.00018	mg/L	0.000362	0.00018	mg/L	0.000362	206.20%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	173.9	0.00851	mg/L	0.006885	0.00851	mg/L	0.006885	80.87%
QC value within limits for Al 308.215 Recovery = Not calculated								

As 188.979†	-0.6	-0.00068	mg/L	0.002271	-0.00068	mg/L	0.002271	333.93%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	98.0	0.00124	mg/L	0.000266	0.00124	mg/L	0.000266	21.50%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	14.7	0.00001	mg/L	0.000036	0.00001	mg/L	0.000036	526.04%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	12.5	0.00040	mg/L	0.000397	0.00040	mg/L	0.000397	100.18%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	7.2	0.00011	mg/L	0.000188	0.00011	mg/L	0.000188	170.64%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	160.1	0.00075	mg/L	0.000264	0.00075	mg/L	0.000264	35.22%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	199.4	0.00911	mg/L	0.000387	0.00911	mg/L	0.000387	4.25%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	27.4	0.00177	mg/L	0.003316	0.00177	mg/L	0.003316	187.40%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	295.8	0.00056	mg/L	0.000056	0.00056	mg/L	0.000056	10.01%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	8.0	0.00034	mg/L	0.000586	0.00034	mg/L	0.000586	170.53%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	19.2	0.00437	mg/L	0.000828	0.00437	mg/L	0.000828	18.97%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	1.6	0.00116	mg/L	0.002603	0.00116	mg/L	0.002603	224.56%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.7	-0.00120	mg/L	0.011490	-0.00120	mg/L	0.011490	958.86%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	-1.2	-0.00130	mg/L	0.001759	-0.00130	mg/L	0.001759	135.14%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	120.5	0.00105	mg/L	0.000532	0.00105	mg/L	0.000532	50.66%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	204.5	0.00860	mg/L	0.000484	0.00860	mg/L	0.000484	5.63%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	1.2	0.00003	mg/L	0.000070	0.00003	mg/L	0.000070	249.51%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	56.7	0.00010	mg/L	0.000008	0.00010	mg/L	0.000008	8.19%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	-0.7	-0.00446	mg/L	0.047891	-0.00446	mg/L	0.047891	>999.9%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	-62.8	-0.00897	mg/L	0.005707	-0.00897	mg/L	0.005707	63.61%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	313.3	0.15012	mg/L	0.049345	0.15012	mg/L	0.049345	32.87%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 106 **Autosampler Location: 74**
Sample ID: N1194-14APDS~SS-23-071014 **Date Collected: 7/16/2014 4:01:40 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:44 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-14APDS~SS-23-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1632627.8	86.485	%	0.3504				0.41%
Lu 261.542	1023781.3	83.76	%	0.308				0.37%
Ag 328.068†	195985.3	1.2895	mg/L	0.00867	1.2895	mg/L	0.00867	0.67%
Al 308.215†	2678550.7	131.09	mg/L	0.769	131.09	mg/L	0.769	0.59%
As 188.979†	351.9	0.67563	mg/L	0.014029	0.67563	mg/L	0.014029	2.08%
Ba 233.527†	846792.9	10.665	mg/L	0.0733	10.665	mg/L	0.0733	0.69%
Be 313.107†	521843.7	0.24236	mg/L	0.001314	0.24236	mg/L	0.001314	0.54%
Co 228.616†	72713.8	2.3028	mg/L	0.03447	2.3028	mg/L	0.03447	1.50%
Cr 267.716†	259296.0	3.9495	mg/L	0.02945	3.9495	mg/L	0.02945	0.75%
Cu 324.752†	1733752.1	8.2457	mg/L	0.04489	8.2457	mg/L	0.04489	0.54%
Fe 273.955†	47130670.2	2145.8	mg/L	16.40	2145.8	mg/L	16.40	0.76%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2393789.4	155.34	mg/L	1.246	155.34	mg/L	1.246	0.80%
Mn 257.610†	33671592.1	63.955	mg/L	0.4069	63.955	mg/L	0.4069	0.64%
Concentration greater than upper limit for Mn 257.610.								

Ni 231.604†	97833.2	4.1826	mg/L	0.02999	4.1826	mg/L	0.02999	0.72%
Pb 220.353†	42087.3	9.5098	mg/L	0.16578	9.5098	mg/L	0.16578	1.74%
Sb 206.836†	807.2	0.48000	mg/L	0.007271	0.48000	mg/L	0.007271	1.51%
Se 196.026†	-339.5	0.41402	mg/L	0.052649	0.41402	mg/L	0.052649	12.72%
Tl 190.801	69.0	0.38373	mg/L	0.011382	0.38373	mg/L	0.011382	2.97%
V 292.402†	295407.6	2.7003	mg/L	0.02103	2.7003	mg/L	0.02103	0.78%
Zn 206.200†	459279.6	19.262	mg/L	0.1505	19.262	mg/L	0.1505	0.78%
Cd 226.502†	20505.4	0.38607	mg/L	0.002491	0.38607	mg/L	0.002491	0.65%
Ti 334.940†	2826511.4	4.9230	mg/L	0.03691	4.9230	mg/L	0.03691	0.75%
Ca 227.546†	124425.5	785.80	mg/L	4.581	785.80	mg/L	4.581	0.58%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	170690.1	24.319	mg/L	0.4167	24.319	mg/L	0.4167	1.71%
K 766.490	85489.7	40.963	mg/L	0.6833	40.963	mg/L	0.6833	1.67%

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Sequence No.: 107 **Autosampler Location: 75**
Sample ID: N1194-15A~SS-24-071014 **Date Collected: 7/16/2014 4:05:02 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:45 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-15A~SS-24-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1677768.0	88.876	%	0.7600				0.86%
Lu 261.542	1015431.3	83.07	%	0.394				0.47%
Ag 328.068†	3333.1	0.00301	mg/L	0.000373	0.00301	mg/L	0.000373	12.36%
Al 308.215†	3606856.5	176.60	mg/L	0.661	176.60	mg/L	0.661	0.37%
As 188.979†	-23.8	0.21628	mg/L	0.002918	0.21628	mg/L	0.002918	1.35%
Ba 233.527†	147189.5	1.8535	mg/L	0.00738	1.8535	mg/L	0.00738	0.40%
Be 313.107†	43598.4	0.02846	mg/L	0.000114	0.02846	mg/L	0.000114	0.40%
Co 228.616†	5418.0	0.16187	mg/L	0.000431	0.16187	mg/L	0.000431	0.27%
Cr 267.716†	86852.4	1.3114	mg/L	0.00469	1.3114	mg/L	0.00469	0.36%
Cu 324.752†	578196.0	2.8359	mg/L	0.00857	2.8359	mg/L	0.00857	0.30%
Fe 273.955†	42706843.2	1944.3	mg/L	24.05	1944.3	mg/L	24.05	1.24%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2290876.9	148.61	mg/L	0.659	148.61	mg/L	0.659	0.44%
Mn 257.610†	27572814.0	52.373	mg/L	0.2823	52.373	mg/L	0.2823	0.54%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	18104.0	0.77079	mg/L	0.003319	0.77079	mg/L	0.003319	0.43%
Pb 220.353†	23934.6	5.3908	mg/L	0.01848	5.3908	mg/L	0.01848	0.34%
Sb 206.836†	102.5	0.00525	mg/L	0.011008	0.00525	mg/L	0.011008	209.70%
Se 196.026†	-509.0	0.03014	mg/L	0.008004	0.03014	mg/L	0.008004	26.56%
Tl 190.801	-262.4	0.04111	mg/L	0.013266	0.04111	mg/L	0.013266	32.27%
V 292.402†	28160.0	0.35648	mg/L	0.001046	0.35648	mg/L	0.001046	0.29%
Zn 206.200†	307819.6	12.890	mg/L	0.0640	12.890	mg/L	0.0640	0.50%
Cd 226.502†	9997.5	0.14903	mg/L	0.001632	0.14903	mg/L	0.001632	1.09%
Ti 334.940†	2926234.1	5.0984	mg/L	0.02604	5.0984	mg/L	0.02604	0.51%
Ca 227.546†	135421.6	851.67	mg/L	3.838	851.67	mg/L	3.838	0.45%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	36279.6	5.0886	mg/L	0.01034	5.0886	mg/L	0.01034	0.20%
K 766.490	80155.2	38.407	mg/L	0.0627	38.407	mg/L	0.0627	0.16%

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Sequence No.: 108 **Autosampler Location: 76**
Sample ID: N1194-16A~SS-FD-03-07101 **Date Collected: 7/16/2014 4:09:17 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:45 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-16A~SS-FD-03-07101

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1672346.9	88.589	%	0.5240				0.59%
Lu 261.542	1003619.1	82.11	%	0.573				0.70%
Ag 328.068†	4040.5	0.00844	mg/L	0.000459	0.00844	mg/L	0.000459	5.44%
Al 308.215†	6422419.1	314.49	mg/L	2.333	314.49	mg/L	2.333	0.74%

As 188.979†	6.7	0.25367	mg/L	0.007394	0.25367	mg/L	0.007394	2.91%
Ba 233.527†	267238.4	3.3652	mg/L	0.04897	3.3652	mg/L	0.04897	1.46%
Be 313.107†	75702.2	0.04427	mg/L	0.000505	0.04427	mg/L	0.000505	1.14%
Co 228.616†	5719.9	0.16981	mg/L	0.001585	0.16981	mg/L	0.001585	0.93%
Cr 267.716†	98721.3	1.4901	mg/L	0.02147	1.4901	mg/L	0.02147	1.44%
Cu 324.752†	697066.0	3.3866	mg/L	0.02099	3.3866	mg/L	0.02099	0.62%
Fe 273.955†	41348668.6	1882.5	mg/L	14.32	1882.5	mg/L	14.32	0.76%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	4299282.0	278.03	mg/L	2.257	278.03	mg/L	2.257	0.81%
Mn 257.610†	32052455.4	60.883	mg/L	0.3999	60.883	mg/L	0.3999	0.66%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	19241.2	0.81806	mg/L	0.010048	0.81806	mg/L	0.010048	1.23%
Pb 220.353†	30842.4	6.9863	mg/L	0.08557	6.9863	mg/L	0.08557	1.22%
Sb 206.836†	101.3	0.00547	mg/L	0.000889	0.00547	mg/L	0.000889	16.26%
Se 196.026†	-462.7	0.08064	mg/L	0.011824	0.08064	mg/L	0.011824	14.66%
Tl 190.801	-259.2	0.02672	mg/L	0.011616	0.02672	mg/L	0.011616	43.48%
V 292.402†	39702.6	0.45289	mg/L	0.006288	0.45289	mg/L	0.006288	1.39%
Zn 206.200†	412529.0	17.293	mg/L	0.2793	17.293	mg/L	0.2793	1.62%
Cd 226.502†	9661.0	0.14388	mg/L	0.003105	0.14388	mg/L	0.003105	2.16%
Ti 334.940†	3394044.6	5.9147	mg/L	0.04450	5.9147	mg/L	0.04450	0.75%
Ca 227.546†	220570.7	1373.3	mg/L	19.04	1373.3	mg/L	19.04	1.39%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	65628.3	9.2078	mg/L	0.06277	9.2078	mg/L	0.06277	0.68%
K 766.490	102772.0	49.243	mg/L	0.3560	49.243	mg/L	0.3560	0.72%

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Sequence No.: 109 **Autosampler Location: 77**
Sample ID: N1194-17A~SS-25-071014 **Date Collected: 7/16/2014 4:13:30 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:46 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-17A~SS-25-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1700562.6	90.084	%	0.0832				0.09%
Lu 261.542	992167.9	81.17	%	0.737				0.91%
Ag 328.068†	3074.3	0.00171	mg/L	0.000395	0.00171	mg/L	0.000395	23.08%
Al 308.215†	7205783.2	352.79	mg/L	2.846	352.79	mg/L	2.846	0.81%
As 188.979†	101.4	0.37082	mg/L	0.010011	0.37082	mg/L	0.010011	2.70%
Ba 233.527†	387744.7	4.8826	mg/L	0.01978	4.8826	mg/L	0.01978	0.41%
Be 313.107†	81873.0	0.04879	mg/L	0.000183	0.04879	mg/L	0.000183	0.38%
Co 228.616†	6471.9	0.19172	mg/L	0.001908	0.19172	mg/L	0.001908	1.00%
Cr 267.716†	77722.4	1.1701	mg/L	0.00215	1.1701	mg/L	0.00215	0.18%
Cu 324.752†	661244.9	3.2221	mg/L	0.02597	3.2221	mg/L	0.02597	0.81%
Fe 273.955†	42211622.8	1921.8	mg/L	4.98	1921.8	mg/L	4.98	0.26%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	3230468.7	209.16	mg/L	1.687	209.16	mg/L	1.687	0.81%
Mn 257.610†	29860103.8	56.727	mg/L	0.7071	56.727	mg/L	0.7071	1.25%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	16274.2	0.69102	mg/L	0.006323	0.69102	mg/L	0.006323	0.92%
Pb 220.353†	23480.3	5.3159	mg/L	0.05014	5.3159	mg/L	0.05014	0.94%
Sb 206.836†	98.0	0.00840	mg/L	0.004701	0.00840	mg/L	0.004701	55.99%
Se 196.026†	-485.4	0.07100	mg/L	0.026555	0.07100	mg/L	0.026555	37.40%
Tl 190.801	-259.6	0.04874	mg/L	0.004162	0.04874	mg/L	0.004162	8.54%
V 292.402†	56893.4	0.60313	mg/L	0.003385	0.60313	mg/L	0.003385	0.56%
Zn 206.200†	317336.0	13.287	mg/L	0.0322	13.287	mg/L	0.0322	0.24%
Cd 226.502†	9755.0	0.14434	mg/L	0.002060	0.14434	mg/L	0.002060	1.43%
Ti 334.940†	3968143.4	6.9233	mg/L	0.06626	6.9233	mg/L	0.06626	0.96%
Ca 227.546†	297757.1	1847.2	mg/L	7.15	1847.2	mg/L	7.15	0.39%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	52415.4	7.2991	mg/L	0.07841	7.2991	mg/L	0.07841	1.07%
K 766.490	68086.1	32.624	mg/L	0.3494	32.624	mg/L	0.3494	1.07%

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Sequence No.: 110 **Autosampler Location: 78**
Sample ID: N1194-18A~SS-26-071014 **Date Collected: 7/16/2014 4:17:43 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:47 AM**
Logged In Analyst (Original) : mitOptima3

Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-18A~SS-26-071014

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1698534.8	89.976	%	0.2991				0.33%
Lu 261.542	1035973.5	84.75	%	0.431				0.51%
Ag 328.068†	3758.0	0.00674	mg/L	0.000590	0.00674	mg/L	0.000590	8.76%
Al 308.215†	3611697.0	176.85	mg/L	0.635	176.85	mg/L	0.635	0.36%
As 188.979†	19.7	0.25642	mg/L	0.006712	0.25642	mg/L	0.006712	2.62%
Ba 233.527†	153894.9	1.9381	mg/L	0.00938	1.9381	mg/L	0.00938	0.48%
Be 313.107†	33499.2	0.02470	mg/L	0.000074	0.02470	mg/L	0.000074	0.30%
Co 228.616†	5639.3	0.16802	mg/L	0.000228	0.16802	mg/L	0.000228	0.14%
Cr 267.716†	106140.2	1.6049	mg/L	0.00842	1.6049	mg/L	0.00842	0.52%
Cu 324.752†	725740.0	3.5193	mg/L	0.01359	3.5193	mg/L	0.01359	0.39%
Fe 273.955†	40973785.2	1865.4	mg/L	0.71	1865.4	mg/L	0.71	0.04%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2518306.5	163.23	mg/L	0.564	163.23	mg/L	0.564	0.35%
Mn 257.610†	30385560.5	57.714	mg/L	0.7196	57.714	mg/L	0.7196	1.25%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	19367.8	0.82451	mg/L	0.001148	0.82451	mg/L	0.001148	0.14%
Pb 220.353†	26934.1	6.0775	mg/L	0.01408	6.0775	mg/L	0.01408	0.23%
Sb 206.836†	95.4	-0.00106	mg/L	0.005597	-0.00106	mg/L	0.005597	530.25%
Se 196.026†	-479.8	0.03912	mg/L	0.012766	0.03912	mg/L	0.012766	32.63%
Tl 190.801	-258.3	0.01950	mg/L	0.005570	0.01950	mg/L	0.005570	28.56%
V 292.402†	41911.8	0.47175	mg/L	0.001298	0.47175	mg/L	0.001298	0.28%
Zn 206.200†	337202.5	14.129	mg/L	0.0797	14.129	mg/L	0.0797	0.56%
Cd 226.502†	9630.3	0.14391	mg/L	0.001832	0.14391	mg/L	0.001832	1.27%
Ti 334.940†	3175046.0	5.5303	mg/L	0.02364	5.5303	mg/L	0.02364	0.43%
Ca 227.546†	129361.5	813.64	mg/L	5.583	813.64	mg/L	5.583	0.69%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	25995.0	3.6189	mg/L	0.08397	3.6189	mg/L	0.08397	2.32%
K 766.490	51090.4	24.480	mg/L	0.4879	24.480	mg/L	0.4879	1.99%

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Sequence No.: 111 **Autosampler Location: 79**
Sample ID: N1194-19A~SS-27-071014 **Date Collected: 7/16/2014 4:21:55 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:47 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-19A~SS-27-071014

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1727192.2	91.494	%	0.5375				0.59%
Lu 261.542	998647.9	81.70	%	1.083				1.33%
Ag 328.068†	2920.0	0.00359	mg/L	0.000812	0.00359	mg/L	0.000812	22.61%
Al 308.215†	5761656.6	282.05	mg/L	2.152	282.05	mg/L	2.152	0.76%
As 188.979†	10.9	0.22926	mg/L	0.010766	0.22926	mg/L	0.010766	4.70%
Ba 233.527†	229206.5	2.8862	mg/L	0.04036	2.8862	mg/L	0.04036	1.40%
Be 313.107†	101670.3	0.05447	mg/L	0.000724	0.05447	mg/L	0.000724	1.33%
Co 228.616†	4197.2	0.12303	mg/L	0.001592	0.12303	mg/L	0.001592	1.29%
Cr 267.716†	70067.7	1.0534	mg/L	0.01428	1.0534	mg/L	0.01428	1.36%
Cu 324.752†	490902.6	2.4051	mg/L	0.03274	2.4051	mg/L	0.03274	1.36%
Fe 273.955†	35425362.4	1612.8	mg/L	15.26	1612.8	mg/L	15.26	0.95%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	5189495.2	335.28	mg/L	2.340	335.28	mg/L	2.340	0.70%
Mn 257.610†	28815010.5	54.734	mg/L	0.5293	54.734	mg/L	0.5293	0.97%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	17362.5	0.73770	mg/L	0.010180	0.73770	mg/L	0.010180	1.38%
Pb 220.353†	19700.2	4.4590	mg/L	0.05939	4.4590	mg/L	0.05939	1.33%
Sb 206.836†	73.2	0.00335	mg/L	0.002537	0.00335	mg/L	0.002537	75.68%
Se 196.026†	-370.5	0.11334	mg/L	0.024933	0.11334	mg/L	0.024933	22.00%
Tl 190.801	-208.3	0.04568	mg/L	0.009495	0.04568	mg/L	0.009495	20.79%
V 292.402†	31243.7	0.36338	mg/L	0.004866	0.36338	mg/L	0.004866	1.34%
Zn 206.200†	231256.2	9.6775	mg/L	0.13487	9.6775	mg/L	0.13487	1.39%
Cd 226.502†	7666.1	0.10906	mg/L	0.003601	0.10906	mg/L	0.003601	3.30%

Ti 334.940†	2927945.9	5.1045	mg/L	0.03742	5.1045	mg/L	0.03742	0.73%
Ca 227.546†	257768.7	1598.6	mg/L	22.66	1598.6	mg/L	22.66	1.42%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	46304.6	6.4641	mg/L	0.08587	6.4641	mg/L	0.08587	1.33%
K 766.490	62982.5	30.178	mg/L	0.4064	30.178	mg/L	0.4064	1.35%

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Sequence No.: 112 **Autosampler Location: 80**
Sample ID: N1194-20A~SS-28-071014 **Date Collected: 7/16/2014 4:26:07 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:48 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-20A~SS-28-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1606679.0	85.110	%	0.0306				0.04%
Lu 261.542	985590.5	80.63	%	0.442				0.55%
Ag 328.068†	3070.5	-0.00562	mg/L	0.000560	-0.00562	mg/L	0.000560	9.96%
Al 308.215†	4208531.2	205.94	mg/L	1.198	205.94	mg/L	1.198	0.58%
As 188.979†	81.3	0.46663	mg/L	0.004996	0.46663	mg/L	0.004996	1.07%
Ba 233.527†	157792.4	1.9874	mg/L	0.01024	1.9874	mg/L	0.01024	0.52%
Be 313.107†	44421.0	0.02580	mg/L	0.000189	0.02580	mg/L	0.000189	0.73%
Co 228.616†	8207.1	0.25402	mg/L	0.002930	0.25402	mg/L	0.002930	1.15%
Cr 267.716†	401529.7	6.1266	mg/L	0.03618	6.1266	mg/L	0.03618	0.59%
Cu 324.752†	931261.4	4.5344	mg/L	0.02147	4.5344	mg/L	0.02147	0.47%
Fe 273.955†	58355266.9	2656.8	mg/L	8.61	2656.8	mg/L	8.61	0.32%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2166100.5	140.92	mg/L	0.939	140.92	mg/L	0.939	0.67%
Mn 257.610†	34692081.4	65.902	mg/L	0.5148	65.902	mg/L	0.5148	0.78%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	37698.5	1.6104	mg/L	0.00972	1.6104	mg/L	0.00972	0.60%
Pb 220.353†	29401.7	6.6112	mg/L	0.04564	6.6112	mg/L	0.04564	0.69%
Sb 206.836†	249.6	0.03405	mg/L	0.020089	0.03405	mg/L	0.020089	58.99%
Se 196.026†	-890.4	-0.28885	mg/L	0.088673	-0.28885	mg/L	0.088673	30.70%
Tl 190.801	-424.2	0.00850	mg/L	0.016453	0.00850	mg/L	0.016453	193.45%
V 292.402†	63179.1	0.71492	mg/L	0.002272	0.71492	mg/L	0.002272	0.32%
Zn 206.200†	306810.0	12.842	mg/L	0.0913	12.842	mg/L	0.0913	0.71%
Cd 226.502†	16333.6	0.26603	mg/L	0.004165	0.26603	mg/L	0.004165	1.57%
Ti 334.940†	1929466.6	3.3722	mg/L	0.01612	3.3722	mg/L	0.01612	0.48%
Ca 227.546†	246481.6	1540.5	mg/L	9.14	1540.5	mg/L	9.14	0.59%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	26097.0	3.6177	mg/L	0.03946	3.6177	mg/L	0.03946	1.09%
K 766.490	57037.3	27.330	mg/L	0.2420	27.330	mg/L	0.2420	0.89%

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Sequence No.: 113 **Autosampler Location: 81**
Sample ID: N1194-21A~SS-29-071014 **Date Collected: 7/16/2014 4:29:47 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:49 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-21A~SS-29-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1683641.6	89.187	%	1.2946				1.45%
Lu 261.542	1024421.0	83.81	%	0.660				0.79%
Ag 328.068†	3300.7	0.00369	mg/L	0.000655	0.00369	mg/L	0.000655	17.77%
Al 308.215†	3444528.8	168.64	mg/L	2.420	168.64	mg/L	2.420	1.43%
As 188.979†	9.9	0.24841	mg/L	0.010787	0.24841	mg/L	0.010787	4.34%
Ba 233.527†	154569.6	1.9466	mg/L	0.02134	1.9466	mg/L	0.02134	1.10%
Be 313.107†	27068.6	0.02146	mg/L	0.000172	0.02146	mg/L	0.000172	0.80%
Co 228.616†	5772.3	0.17263	mg/L	0.001171	0.17263	mg/L	0.001171	0.68%
Cr 267.716†	121861.5	1.8459	mg/L	0.02020	1.8459	mg/L	0.02020	1.09%
Cu 324.752†	959693.9	4.6115	mg/L	0.06430	4.6115	mg/L	0.06430	1.39%
Fe 273.955†	40939799.6	1863.9	mg/L	6.42	1863.9	mg/L	6.42	0.34%
Concentration greater than upper limit for Fe 273.955.								

Mg 279.077†	3154965.5	204.27 mg/L	2.890	204.27 mg/L	2.890	1.41%
Mn 257.610†	30143707.8	57.254 mg/L	0.8090	57.254 mg/L	0.8090	1.41%
Concentration greater than upper limit for Mn 257.610.						
Ni 231.604†	26273.5	1.1198 mg/L	0.00925	1.1198 mg/L	0.00925	0.83%
Pb 220.353†	27152.8	6.1263 mg/L	0.04832	6.1263 mg/L	0.04832	0.79%
Sb 206.836†	103.6	0.00309 mg/L	0.001442	0.00309 mg/L	0.001442	46.72%
Se 196.026†	-477.5	0.04117 mg/L	0.006944	0.04117 mg/L	0.006944	16.87%
Tl 190.801	-254.2	0.02647 mg/L	0.002945	0.02647 mg/L	0.002945	11.12%
V 292.402†	40397.8	0.45920 mg/L	0.003436	0.45920 mg/L	0.003436	0.75%
Zn 206.200†	326225.9	13.668 mg/L	0.1586	13.668 mg/L	0.1586	1.16%
Cd 226.502†	9206.5	0.13419 mg/L	0.000130	0.13419 mg/L	0.000130	0.10%
Ti 334.940†	3055141.5	5.3205 mg/L	0.07846	5.3205 mg/L	0.07846	1.47%
Ca 227.546†	137067.4	860.87 mg/L	9.208	860.87 mg/L	9.208	1.07%
Concentration greater than upper limit for Ca 227.546.						
Na 589.592	43669.6	6.1489 mg/L	0.06932	6.1489 mg/L	0.06932	1.13%
K 766.490	64029.4	30.680 mg/L	0.3616	30.680 mg/L	0.3616	1.18%

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Sequence No.: 114 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 4:33:59 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:49 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1826083.2	96.733	%	0.9494				0.98%
Lu 261.542	1185317.8	96.97	%	0.970				1.00%
Ag 328.068†	199135.8	1.3319	mg/L	0.00131	1.3319	mg/L	0.00131	0.10%
QC value within limits for Ag 328.068 Recovery = 106.55%								
Al 308.215†	210299.2	10.277	mg/L	0.0111	10.277	mg/L	0.0111	0.11%
QC value within limits for Al 308.215 Recovery = 102.77%								
As 188.979†	443.5	0.50159	mg/L	0.007292	0.50159	mg/L	0.007292	1.45%
QC value within limits for As 188.979 Recovery = 100.32%								
Ba 233.527†	809877.0	10.200	mg/L	0.0119	10.200	mg/L	0.0119	0.12%
QC value within limits for Ba 233.527 Recovery = 102.00%								
Be 313.107†	559942.8	0.25166	mg/L	0.000034	0.25166	mg/L	0.000034	0.01%
QC value within limits for Be 313.107 Recovery = 100.66%								
Co 228.616†	77353.5	2.4597	mg/L	0.06786	2.4597	mg/L	0.06786	2.76%
QC value within limits for Co 228.616 Recovery = 98.39%								
Cr 267.716†	64652.8	0.99046	mg/L	0.025713	0.99046	mg/L	0.025713	2.60%
QC value within limits for Cr 267.716 Recovery = 99.05%								
Cu 324.752†	269698.7	1.2599	mg/L	0.00264	1.2599	mg/L	0.00264	0.21%
QC value within limits for Cu 324.752 Recovery = 100.80%								
Fe 273.955†	113673.6	5.2651	mg/L	0.12341	5.2651	mg/L	0.12341	2.34%
QC value within limits for Fe 273.955 Recovery = 105.30%								
Mg 279.077†	399257.6	25.737	mg/L	0.0080	25.737	mg/L	0.0080	0.03%
QC value within limits for Mg 279.077 Recovery = 102.95%								
Mn 257.610†	1345425.7	2.5546	mg/L	0.00207	2.5546	mg/L	0.00207	0.08%
QC value within limits for Mn 257.610 Recovery = 102.18%								
Ni 231.604†	59333.9	2.5387	mg/L	0.07001	2.5387	mg/L	0.07001	2.76%
QC value within limits for Ni 231.604 Recovery = 101.55%								
Pb 220.353†	2185.9	0.49851	mg/L	0.004141	0.49851	mg/L	0.004141	0.83%
QC value within limits for Pb 220.353 Recovery = 99.70%								
Sb 206.836†	649.0	0.46160	mg/L	0.008743	0.46160	mg/L	0.008743	1.89%
QC value within limits for Sb 206.836 Recovery = 92.32%								
Se 196.026†	280.7	0.48979	mg/L	0.007112	0.48979	mg/L	0.007112	1.45%
QC value within limits for Se 196.026 Recovery = 97.96%								
Tl 190.801	472.1	0.46109	mg/L	0.002819	0.46109	mg/L	0.002819	0.61%
QC value within limits for Tl 190.801 Recovery = 92.22%								
V 292.402†	290787.2	2.5331	mg/L	0.00183	2.5331	mg/L	0.00183	0.07%
QC value within limits for V 292.402 Recovery = 101.32%								
Zn 206.200†	59888.6	2.5208	mg/L	0.06928	2.5208	mg/L	0.06928	2.75%
QC value within limits for Zn 206.200 Recovery = 100.83%								
Cd 226.502†	10824.7	0.25266	mg/L	0.008003	0.25266	mg/L	0.008003	3.17%
QC value within limits for Cd 226.502 Recovery = 101.06%								
Ti 334.940†	285262.2	0.49556	mg/L	0.000866	0.49556	mg/L	0.000866	0.17%
QC value within limits for Ti 334.940 Recovery = Not calculated								

Ca 227.546†	3932.0	23.572 mg/L	0.2357	23.572 mg/L	0.2357	1.00%
QC value within limits for Ca 227.546 Recovery = 94.29%							
Na 589.592	168110.9	24.016 mg/L	0.3108	24.016 mg/L	0.3108	1.29%
QC value within limits for Na 589.592 Recovery = 96.06%							
K 766.490	54935.2	26.322 mg/L	0.3795	26.322 mg/L	0.3795	1.44%
QC value within limits for K 766.490 Recovery = 105.29%							

All analyte(s) passed QC.

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Sequence No.: 115 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 4:37:45 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:50 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1859641.8	98.511	%	0.9017				0.92%
Lu 261.542	1197671.0	97.98	%	0.877				0.89%
Ag 328.068†	35.4	0.00024	mg/L	0.000574	0.00024	mg/L	0.000574	242.43%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	162.5	0.00793	mg/L	0.004549	0.00793	mg/L	0.004549	57.33%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.4	0.00044	mg/L	0.003775	0.00044	mg/L	0.003775	863.81%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	81.0	0.00102	mg/L	0.000147	0.00102	mg/L	0.000147	14.41%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	54.5	0.00002	mg/L	0.000012	0.00002	mg/L	0.000012	48.31%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	5.2	0.00017	mg/L	0.000186	0.00017	mg/L	0.000186	112.05%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	4.7	0.00007	mg/L	0.000078	0.00007	mg/L	0.000078	109.37%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	151.2	0.00071	mg/L	0.000280	0.00071	mg/L	0.000280	39.57%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	595.1	0.02713	mg/L	0.001430	0.02713	mg/L	0.001430	5.27%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	-12.5	-0.00079	mg/L	0.005186	-0.00079	mg/L	0.005186	654.82%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	506.9	0.00096	mg/L	0.000080	0.00096	mg/L	0.000080	8.33%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	4.2	0.00018	mg/L	0.000384	0.00018	mg/L	0.000384	208.63%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	19.7	0.00448	mg/L	0.001047	0.00448	mg/L	0.001047	23.35%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	1.9	0.00141	mg/L	0.001917	0.00141	mg/L	0.001917	136.42%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.1	-0.00183	mg/L	0.005781	-0.00183	mg/L	0.005781	315.24%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	-5.2	-0.00548	mg/L	0.005675	-0.00548	mg/L	0.005675	103.49%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	104.3	0.00091	mg/L	0.000578	0.00091	mg/L	0.000578	63.59%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	196.7	0.00827	mg/L	0.000477	0.00827	mg/L	0.000477	5.77%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	5.5	0.00013	mg/L	0.000039	0.00013	mg/L	0.000039	30.51%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	137.5	0.00024	mg/L	0.000093	0.00024	mg/L	0.000093	38.65%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	14.6	0.08985	mg/L	0.058604	0.08985	mg/L	0.058604	65.23%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	-12.8	-0.00183	mg/L	0.002618	-0.00183	mg/L	0.002618	143.18%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	228.4	0.10946	mg/L	0.028369	0.10946	mg/L	0.028369	25.92%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 116 **Autosampler Location: 82**
Sample ID: N1194-22A~SS-30-071014 **Date Collected: 7/16/2014 4:41:24 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:51 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-22A~SS-30-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1760375.8	93.252	%	1.4347				1.54%
Lu 261.542	1102407.6	90.19	%	0.212				0.24%
Ag 328.068†	593.5	-0.00141	mg/L	0.000323	-0.00141	mg/L	0.000323	22.96%
Al 308.215†	3405892.1	166.90	mg/L	2.547	166.90	mg/L	2.547	1.53%
As 188.979†	24.5	0.09520	mg/L	0.004966	0.09520	mg/L	0.004966	5.22%
Ba 233.527†	66159.0	0.83322	mg/L	0.013883	0.83322	mg/L	0.013883	1.67%
Be 313.107†	10067.5	0.00745	mg/L	0.000103	0.00745	mg/L	0.000103	1.39%
Co 228.616†	2078.5	0.06269	mg/L	0.000301	0.06269	mg/L	0.000301	0.48%
Cr 267.716†	18459.4	0.27849	mg/L	0.000601	0.27849	mg/L	0.000601	0.22%
Cu 324.752†	83431.5	0.42829	mg/L	0.005185	0.42829	mg/L	0.005185	1.21%
Fe 273.955†	12132847.6	552.36	mg/L	0.731	552.36	mg/L	0.731	0.13%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	890279.1	57.654	mg/L	0.9556	57.654	mg/L	0.9556	1.66%
Mn 257.610†	6276198.4	11.922	mg/L	0.0147	11.922	mg/L	0.0147	0.12%
Ni 231.604†	4842.3	0.20585	mg/L	0.000520	0.20585	mg/L	0.000520	0.25%
Pb 220.353†	4669.3	1.0571	mg/L	0.00317	1.0571	mg/L	0.00317	0.30%
Sb 206.836†	22.8	-0.00729	mg/L	0.003234	-0.00729	mg/L	0.003234	44.34%
Se 196.026†	-116.9	0.06092	mg/L	0.009178	0.06092	mg/L	0.009178	15.07%
Tl 190.801	-59.6	0.02448	mg/L	0.003169	0.02448	mg/L	0.003169	12.95%
V 292.402†	21630.0	0.21949	mg/L	0.000201	0.21949	mg/L	0.000201	0.09%
Zn 206.200†	45721.8	1.9051	mg/L	0.03035	1.9051	mg/L	0.03035	1.59%
Cd 226.502†	1960.4	0.02185	mg/L	0.000298	0.02185	mg/L	0.000298	1.37%
Ti 334.940†	960457.7	1.6721	mg/L	0.02899	1.6721	mg/L	0.02899	1.73%
Ca 227.546†	32874.0	207.64	mg/L	0.188	207.64	mg/L	0.188	0.09%
Na 589.592	20039.7	2.7734	mg/L	0.04930	2.7734	mg/L	0.04930	1.78%
K 766.490	37153.1	17.802	mg/L	0.3506	17.802	mg/L	0.3506	1.97%

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Sequence No.: 117 **Autosampler Location: 83**
Sample ID: N1194-23A~SS-31-071014 **Date Collected: 7/16/2014 4:45:12 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:51 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-23A~SS-31-071014

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1650579.4	87.436	%	0.5900				0.67%
Lu 261.542	994283.3	81.34	%	0.435				0.53%
Ag 328.068†	3495.0	0.00130	mg/L	0.000796	0.00130	mg/L	0.000796	61.38%
Al 308.215†	4982986.5	243.95	mg/L	2.282	243.95	mg/L	2.282	0.94%
As 188.979†	-57.4	0.23269	mg/L	0.025420	0.23269	mg/L	0.025420	10.92%
Ba 233.527†	211356.9	2.6616	mg/L	0.02473	2.6616	mg/L	0.02473	0.93%
Be 313.107†	66260.3	0.04076	mg/L	0.000467	0.04076	mg/L	0.000467	1.15%
Co 228.616†	7758.8	0.23371	mg/L	0.002072	0.23371	mg/L	0.002072	0.89%
Cr 267.716†	192486.2	2.9250	mg/L	0.03074	2.9250	mg/L	0.03074	1.05%
Cu 324.752†	890248.2	4.3130	mg/L	0.04229	4.3130	mg/L	0.04229	0.98%
Fe 273.955†	49017148.2	2231.6	mg/L	14.35	2231.6	mg/L	14.35	0.64%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	4273208.8	276.53	mg/L	2.809	276.53	mg/L	2.809	1.02%
Mn 257.610†	34066425.2	64.707	mg/L	0.6697	64.707	mg/L	0.6697	1.03%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	38146.7	1.6268	mg/L	0.01263	1.6268	mg/L	0.01263	0.78%
Pb 220.353†	33034.9	7.4621	mg/L	0.08130	7.4621	mg/L	0.08130	1.09%
Sb 206.836†	130.1	0.00082	mg/L	0.026730	0.00082	mg/L	0.026730	>999.9%
Se 196.026†	-616.5	-0.02366	mg/L	0.097892	-0.02366	mg/L	0.097892	413.66%
Tl 190.801	-288.4	0.06033	mg/L	0.011425	0.06033	mg/L	0.011425	18.94%
V 292.402†	38766.8	0.46778	mg/L	0.006642	0.46778	mg/L	0.006642	1.42%

Zn 206.200†	291686.1	12.208	mg/L	0.1201	12.208	mg/L	0.1201	0.98%
Cd 226.502†	12496.9	0.19507	mg/L	0.000949	0.19507	mg/L	0.000949	0.49%
Ti 334.940†	3630421.9	6.3249	mg/L	0.07717	6.3249	mg/L	0.07717	1.22%
Ca 227.546†	210132.2	1313.0	mg/L	12.91	1313.0	mg/L	12.91	0.98%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	39984.5	5.5816	mg/L	0.08201	5.5816	mg/L	0.08201	1.47%
K 766.490	60643.0	29.057	mg/L	0.3974	29.057	mg/L	0.3974	1.37%

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Sequence No.: 118 **Autosampler Location: 84**
Sample ID: N1194-24A~SS-32-071014 **Date Collected: 7/16/2014 4:48:37 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:52 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-24A~SS-32-071014

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1652473.2	87.536	%	0.4094				0.47%
Lu 261.542	1023699.8	83.75	%	0.469				0.56%
Ag 328.068†	3841.4	0.00884	mg/L	0.000837	0.00884	mg/L	0.000837	9.47%
Al 308.215†	3388579.0	165.90	mg/L	1.270	165.90	mg/L	1.270	0.77%
As 188.979†	88.2	0.30832	mg/L	0.011471	0.30832	mg/L	0.011471	3.72%
Ba 233.527†	135894.6	1.7114	mg/L	0.01245	1.7114	mg/L	0.01245	0.73%
Be 313.107†	32747.4	0.02253	mg/L	0.000192	0.02253	mg/L	0.000192	0.85%
Co 228.616†	4899.3	0.14665	mg/L	0.000547	0.14665	mg/L	0.000547	0.37%
Cr 267.716†	50674.2	0.75561	mg/L	0.005415	0.75561	mg/L	0.005415	0.72%
Cu 324.752†	335962.8	1.6883	mg/L	0.01438	1.6883	mg/L	0.01438	0.85%
Fe 273.955†	37490579.4	1706.8	mg/L	13.69	1706.8	mg/L	13.69	0.80%
Concentration greater than upper limit for Fe 273.955.								
Mg 279.077†	2464947.6	159.72	mg/L	1.258	159.72	mg/L	1.258	0.79%
Mn 257.610†	29976578.9	56.938	mg/L	0.6395	56.938	mg/L	0.6395	1.12%
Concentration greater than upper limit for Mn 257.610.								
Ni 231.604†	12754.6	0.54215	mg/L	0.002281	0.54215	mg/L	0.002281	0.42%
Pb 220.353†	17794.7	4.0020	mg/L	0.01539	4.0020	mg/L	0.01539	0.38%
Sb 206.836†	68.2	-0.00474	mg/L	0.004864	-0.00474	mg/L	0.004864	102.68%
Se 196.026†	-411.8	0.08158	mg/L	0.005515	0.08158	mg/L	0.005515	6.76%
Tl 190.801	-223.3	0.02950	mg/L	0.008508	0.02950	mg/L	0.008508	28.84%
V 292.402†	36023.3	0.41049	mg/L	0.005062	0.41049	mg/L	0.005062	1.23%
Zn 206.200†	311616.4	13.055	mg/L	0.0964	13.055	mg/L	0.0964	0.74%
Cd 226.502†	8196.2	0.11729	mg/L	0.001937	0.11729	mg/L	0.001937	1.65%
Ti 334.940†	2573992.6	4.4852	mg/L	0.03400	4.4852	mg/L	0.03400	0.76%
Ca 227.546†	137169.7	859.83	mg/L	6.616	859.83	mg/L	6.616	0.77%
Concentration greater than upper limit for Ca 227.546.								
Na 589.592	22197.4	3.0822	mg/L	0.03094	3.0822	mg/L	0.03094	1.00%
K 766.490	56806.1	27.219	mg/L	0.3727	27.219	mg/L	0.3727	1.37%

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Sequence No.: 119 **Autosampler Location: 85**
Sample ID: N1195-02B~PILE 3 COMPOSI **Date Collected: 7/16/2014 4:52:44 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:53 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1195-02B~PILE 3 COMPOSI

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1783519.9	94.478	%	0.4377				0.46%
Lu 261.542	1080826.3	88.42	%	0.335				0.38%
Ag 328.068†	-101.4	-0.00349	mg/L	0.000279	-0.00349	mg/L	0.000279	7.99%
Al 308.215†	2396144.9	117.33	mg/L	0.181	117.33	mg/L	0.181	0.15%
As 188.979†	53.8	0.10489	mg/L	0.007334	0.10489	mg/L	0.007334	6.99%
Ba 233.527†	39505.1	0.49769	mg/L	0.003241	0.49769	mg/L	0.003241	0.65%
Be 313.107†	6486.5	0.00519	mg/L	0.000029	0.00519	mg/L	0.000029	0.56%
Co 228.616†	4217.2	0.13147	mg/L	0.000776	0.13147	mg/L	0.000776	0.59%
Cr 267.716†	11407.9	0.17331	mg/L	0.001018	0.17331	mg/L	0.001018	0.59%
Cu 324.752†	51114.3	0.25981	mg/L	0.001509	0.25981	mg/L	0.001509	0.58%

Fe 273.955†	6618142.7	301.29	mg/L	0.588	301.29	mg/L	0.588	0.20%
Mg 279.077†	2738469.4	176.66	mg/L	0.493	176.66	mg/L	0.493	0.28%
Mn 257.610†	2215359.7	4.2068	mg/L	0.00772	4.2068	mg/L	0.00772	0.18%
Ni 231.604†	7213.5	0.30669	mg/L	0.001951	0.30669	mg/L	0.001951	0.64%
Pb 220.353†	853.9	0.19724	mg/L	0.002993	0.19724	mg/L	0.002993	1.52%
Sb 206.836†	5.5	-0.00350	mg/L	0.002874	-0.00350	mg/L	0.002874	82.22%
Se 196.026†	-65.4	0.03047	mg/L	0.017613	0.03047	mg/L	0.017613	57.81%
Tl 190.801	-37.9	0.01957	mg/L	0.002548	0.01957	mg/L	0.002548	13.02%
V 292.402†	27905.8	0.25958	mg/L	0.002605	0.25958	mg/L	0.002605	1.00%
Zn 206.200†	24088.8	1.0030	mg/L	0.00723	1.0030	mg/L	0.00723	0.72%
Cd 226.502†	1004.7	0.01048	mg/L	0.000171	0.01048	mg/L	0.000171	1.64%
Ti 334.940†	747399.1	1.3005	mg/L	0.00501	1.3005	mg/L	0.00501	0.38%
Ca 227.546†	78796.4	486.57	mg/L	2.433	486.57	mg/L	2.433	0.50%
Na 589.592	10714.8	1.4677	mg/L	0.01464	1.4677	mg/L	0.01464	1.00%
K 766.490	33541.1	16.071	mg/L	0.1413	16.071	mg/L	0.1413	0.88%

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Sequence No.: 120 **Autosampler Location: 86**
Sample ID: N1194-09A~SS-19-071 20X **Date Collected: 7/16/2014 4:56:31 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:54 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-09A~SS-19-071 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1747982.6	92.596	%	0.8367				0.90%
Lu 261.542	1124775.8	92.02	%	0.885				0.96%
Ag 328.068†	317.8	0.00066	mg/L	0.000284	0.00066	mg/L	0.000284	42.69%
Al 308.215†	216471.8	10.558	mg/L	0.0627	10.558	mg/L	0.0627	0.59%
As 188.979†	-2.5	0.01855	mg/L	0.005272	0.01855	mg/L	0.005272	28.43%
Ba 233.527†	12435.3	0.15659	mg/L	0.000894	0.15659	mg/L	0.000894	0.57%
Be 313.107†	2277.3	0.00148	mg/L	0.000006	0.00148	mg/L	0.000006	0.42%
Co 228.616†	421.5	0.01286	mg/L	0.000032	0.01286	mg/L	0.000032	0.25%
Cr 267.716†	4859.2	0.07253	mg/L	0.000595	0.07253	mg/L	0.000595	0.82%
Cu 324.752†	42233.5	0.20751	mg/L	0.001023	0.20751	mg/L	0.001023	0.49%
Fe 273.955†	3232886.7	147.18	mg/L	0.233	147.18	mg/L	0.233	0.16%
Mg 279.077†	458529.5	29.627	mg/L	0.0388	29.627	mg/L	0.0388	0.13%
Mn 257.610†	2758576.1	5.2406	mg/L	0.01009	5.2406	mg/L	0.01009	0.19%
Ni 231.604†	1477.7	0.06287	mg/L	0.000864	0.06287	mg/L	0.000864	1.37%
Pb 220.353†	3051.6	0.69193	mg/L	0.006566	0.69193	mg/L	0.006566	0.95%
Sb 206.836†	1.0	-0.00208	mg/L	0.004069	-0.00208	mg/L	0.004069	195.64%
Se 196.026†	-31.7	0.01429	mg/L	0.003083	0.01429	mg/L	0.003083	21.57%
Tl 190.801	-12.1	0.01439	mg/L	0.001223	0.01439	mg/L	0.001223	8.50%
V 292.402†	2052.7	0.02636	mg/L	0.000531	0.02636	mg/L	0.000531	2.01%
Zn 206.200†	26532.0	1.1116	mg/L	0.00680	1.1116	mg/L	0.00680	0.61%
Cd 226.502†	512.5	0.00559	mg/L	0.000070	0.00559	mg/L	0.000070	1.25%
Ti 334.940†	152217.1	0.26694	mg/L	0.001578	0.26694	mg/L	0.001578	0.59%
Ca 227.546†	37410.2	231.06	mg/L	1.199	231.06	mg/L	1.199	0.52%
Na 589.592	2162.5	0.30328	mg/L	0.004569	0.30328	mg/L	0.004569	1.51%
K 766.490	3237.1	1.5511	mg/L	0.09298	1.5511	mg/L	0.09298	5.99%

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Sequence No.: 121 **Autosampler Location: 87**
Sample ID: N1194-10A~SS-20-07 20X **Date Collected: 7/16/2014 5:00:13 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:54 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-10A~SS-20-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1812136.2	95.994	%	0.8199				0.85%
Lu 261.542	1158746.1	94.80	%	0.805				0.85%
Ag 328.068†	365.2	0.00021	mg/L	0.000783	0.00021	mg/L	0.000783	377.59%
Al 308.215†	312474.0	15.296	mg/L	0.3261	15.296	mg/L	0.3261	2.13%
As 188.979†	-8.1	0.02020	mg/L	0.001790	0.02020	mg/L	0.001790	8.86%

Ba 233.527†	14778.3	0.18611	mg/L	0.003818	0.18611	mg/L	0.003818	2.05%
Be 313.107†	3909.9	0.00258	mg/L	0.000071	0.00258	mg/L	0.000071	2.74%
Co 228.616†	481.4	0.01432	mg/L	0.000327	0.01432	mg/L	0.000327	2.28%
Cr 267.716†	18083.9	0.27516	mg/L	0.005871	0.27516	mg/L	0.005871	2.13%
Cu 324.752†	32052.9	0.16546	mg/L	0.002937	0.16546	mg/L	0.002937	1.78%
Fe 273.955†	4952586.6	225.48	mg/L	0.214	225.48	mg/L	0.214	0.09%
Mg 279.077†	265030.2	17.193	mg/L	0.3854	17.193	mg/L	0.3854	2.24%
Mn 257.610†	2680638.4	5.0917	mg/L	0.00791	5.0917	mg/L	0.00791	0.16%
Ni 231.604†	3625.2	0.15473	mg/L	0.001104	0.15473	mg/L	0.001104	0.71%
Pb 220.353†	2816.9	0.63400	mg/L	0.004226	0.63400	mg/L	0.004226	0.67%
Sb 206.836†	7.6	-0.00388	mg/L	0.002662	-0.00388	mg/L	0.002662	68.57%
Se 196.026†	-49.6	0.02015	mg/L	0.003967	0.02015	mg/L	0.003967	19.69%
Tl 190.801	-26.8	0.01024	mg/L	0.003105	0.01024	mg/L	0.003105	30.32%
V 292.402†	3288.5	0.04192	mg/L	0.000666	0.04192	mg/L	0.000666	1.59%
Zn 206.200†	28901.3	1.2096	mg/L	0.03147	1.2096	mg/L	0.03147	2.60%
Cd 226.502†	749.2	0.00775	mg/L	0.000117	0.00775	mg/L	0.000117	1.51%
Ti 334.940†	272404.3	0.47460	mg/L	0.001067	0.47460	mg/L	0.001067	0.22%
Ca 227.546†	14471.8	91.201	mg/L	2.1103	91.201	mg/L	2.1103	2.31%
Na 589.592	3739.9	0.52614	mg/L	0.001564	0.52614	mg/L	0.001564	0.30%
K 766.490	3867.8	1.8533	mg/L	0.02402	1.8533	mg/L	0.02402	1.30%

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Sequence No.: 122 **Autosampler Location: 88**
Sample ID: N1194-12A~SS-21-07 20X **Date Collected: 7/16/2014 5:03:58 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:55 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-12A~SS-21-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1796103.4	95.145	%	0.5809				0.61%
Lu 261.542	1160136.4	94.91	%	0.645				0.68%
Ag 328.068†	454.6	0.00102	mg/L	0.000206	0.00102	mg/L	0.000206	20.13%
Al 308.215†	160622.6	7.8645	mg/L	0.15426	7.8645	mg/L	0.15426	1.96%
As 188.979†	-7.3	0.02126	mg/L	0.004187	0.02126	mg/L	0.004187	19.69%
Ba 233.527†	7600.9	0.09572	mg/L	0.000700	0.09572	mg/L	0.000700	0.73%
Be 313.107†	1478.5	0.00121	mg/L	0.000066	0.00121	mg/L	0.000066	5.50%
Co 228.616†	489.0	0.01491	mg/L	0.000261	0.01491	mg/L	0.000261	1.75%
Cr 267.716†	48086.8	0.73474	mg/L	0.014158	0.73474	mg/L	0.014158	1.93%
Cu 324.752†	76324.8	0.37055	mg/L	0.006235	0.37055	mg/L	0.006235	1.68%
Fe 273.955†	4445693.1	202.40	mg/L	0.121	202.40	mg/L	0.121	0.06%
Mg 279.077†	148613.1	9.6782	mg/L	0.19786	9.6782	mg/L	0.19786	2.04%
Mn 257.610†	2634587.6	5.0039	mg/L	0.00621	5.0039	mg/L	0.00621	0.12%
Ni 231.604†	2274.6	0.09709	mg/L	0.000728	0.09709	mg/L	0.000728	0.75%
Pb 220.353†	2485.5	0.55811	mg/L	0.003981	0.55811	mg/L	0.003981	0.71%
Sb 206.836†	17.0	-0.00265	mg/L	0.003732	-0.00265	mg/L	0.003732	140.64%
Se 196.026†	-45.1	0.01650	mg/L	0.006867	0.01650	mg/L	0.006867	41.62%
Tl 190.801	-21.5	0.01027	mg/L	0.007266	0.01027	mg/L	0.007266	70.77%
V 292.402†	1565.2	0.02670	mg/L	0.000509	0.02670	mg/L	0.000509	1.91%
Zn 206.200†	27715.7	1.1619	mg/L	0.02540	1.1619	mg/L	0.02540	2.19%
Cd 226.502†	666.1	0.00680	mg/L	0.000119	0.00680	mg/L	0.000119	1.75%
Ti 334.940†	177898.8	0.30957	mg/L	0.005958	0.30957	mg/L	0.005958	1.92%
Ca 227.546†	5905.8	38.411	mg/L	0.3055	38.411	mg/L	0.3055	0.80%
Na 589.592	1184.3	0.16498	mg/L	0.007378	0.16498	mg/L	0.007378	4.47%
K 766.490	4076.1	1.9531	mg/L	0.03703	1.9531	mg/L	0.03703	1.90%

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Sequence No.: 123 **Autosampler Location: 89**
Sample ID: N1194-13A~SS-22-07 20X **Date Collected: 7/16/2014 5:08:07 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:56 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-13A~SS-22-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD

Y 360.073	1823796.1	96.612	%	0.5662				0.59%
Lu 261.542	1178328.5	96.40	%	0.623				0.65%
Ag 328.068†	377.0	0.00043	mg/L	0.000293	0.00043	mg/L	0.000293	68.73%
Al 308.215†	117796.5	5.7662	mg/L	0.07721	5.7662	mg/L	0.07721	1.34%
As 188.979†	-6.0	0.01846	mg/L	0.004810	0.01846	mg/L	0.004810	26.07%
Ba 233.527†	6203.6	0.07813	mg/L	0.000203	0.07813	mg/L	0.000203	0.26%
Be 313.107†	1615.9	0.00115	mg/L	0.000028	0.00115	mg/L	0.000028	2.43%
Co 228.616†	445.2	0.01366	mg/L	0.000247	0.01366	mg/L	0.000247	1.81%
Cr 267.716†	7209.1	0.10902	mg/L	0.000826	0.10902	mg/L	0.000826	0.76%
Cu 324.752†	79600.1	0.38642	mg/L	0.004824	0.38642	mg/L	0.004824	1.25%
Fe 273.955†	4625946.3	210.61	mg/L	0.252	210.61	mg/L	0.252	0.12%
Mg 279.077†	113324.8	7.4077	mg/L	0.09772	7.4077	mg/L	0.09772	1.32%
Mn 257.610†	2036749.6	3.8685	mg/L	0.00289	3.8685	mg/L	0.00289	0.07%
Ni 231.604†	1574.7	0.06720	mg/L	0.000394	0.06720	mg/L	0.000394	0.59%
Pb 220.353†	2488.3	0.55808	mg/L	0.002057	0.55808	mg/L	0.002057	0.37%
Sb 206.836†	4.3	-0.00434	mg/L	0.001479	-0.00434	mg/L	0.001479	34.10%
Se 196.026†	-39.7	0.03036	mg/L	0.008428	0.03036	mg/L	0.008428	27.76%
Tl 190.801	-23.0	0.01233	mg/L	0.001201	0.01233	mg/L	0.001201	9.74%
V 292.402†	2032.7	0.03000	mg/L	0.000421	0.03000	mg/L	0.000421	1.40%
Zn 206.200†	25838.0	1.0809	mg/L	0.01408	1.0809	mg/L	0.01408	1.30%
Cd 226.502†	701.9	0.00727	mg/L	0.000104	0.00727	mg/L	0.000104	1.44%
Ti 334.940†	139234.4	0.24247	mg/L	0.002808	0.24247	mg/L	0.002808	1.16%
Ca 227.546†	5354.4	35.118	mg/L	0.0299	35.118	mg/L	0.0299	0.09%
Na 589.592	786.0	0.10920	mg/L	0.007376	0.10920	mg/L	0.007376	6.75%
K 766.490	1911.2	0.91576	mg/L	0.036899	0.91576	mg/L	0.036899	4.03%

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Sequence No.: 124 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 5:11:47 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:57 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1763213.4	93.402	%	0.7805				0.84%
Lu 261.542	1152515.2	94.29	%	0.883				0.94%
Ag 328.068†	203458.5	1.3608	mg/L	0.00136	1.3608	mg/L	0.00136	0.10%
QC value within limits for Ag 328.068 Recovery = 108.87%								
Al 308.215†	216381.6	10.574	mg/L	0.0135	10.574	mg/L	0.0135	0.13%
QC value within limits for Al 308.215 Recovery = 105.74%								
As 188.979†	453.3	0.51254	mg/L	0.008506	0.51254	mg/L	0.008506	1.66%
QC value within limits for As 188.979 Recovery = 102.51%								
Ba 233.527†	820756.1	10.337	mg/L	0.0134	10.337	mg/L	0.0134	0.13%
QC value within limits for Ba 233.527 Recovery = 103.37%								
Be 313.107†	572130.2	0.25713	mg/L	0.000521	0.25713	mg/L	0.000521	0.20%
QC value within limits for Be 313.107 Recovery = 102.85%								
Co 228.616†	78230.7	2.4876	mg/L	0.03547	2.4876	mg/L	0.03547	1.43%
QC value within limits for Co 228.616 Recovery = 99.50%								
Cr 267.716†	65353.2	1.0012	mg/L	0.01526	1.0012	mg/L	0.01526	1.52%
QC value within limits for Cr 267.716 Recovery = 100.12%								
Cu 324.752†	275382.7	1.2865	mg/L	0.00050	1.2865	mg/L	0.00050	0.04%
QC value within limits for Cu 324.752 Recovery = 102.92%								
Fe 273.955†	112688.6	5.2222	mg/L	0.06946	5.2222	mg/L	0.06946	1.33%
QC value within limits for Fe 273.955 Recovery = 104.44%								
Mg 279.077†	408806.4	26.352	mg/L	0.0465	26.352	mg/L	0.0465	0.18%
QC value within limits for Mg 279.077 Recovery = 105.41%								
Mn 257.610†	1370197.6	2.6016	mg/L	0.00385	2.6016	mg/L	0.00385	0.15%
QC value within limits for Mn 257.610 Recovery = 104.06%								
Ni 231.604†	59997.0	2.5670	mg/L	0.04045	2.5670	mg/L	0.04045	1.58%
QC value within limits for Ni 231.604 Recovery = 102.68%								
Pb 220.353†	2203.8	0.50260	mg/L	0.003942	0.50260	mg/L	0.003942	0.78%
QC value within limits for Pb 220.353 Recovery = 100.52%								
Sb 206.836†	661.6	0.47067	mg/L	0.002940	0.47067	mg/L	0.002940	0.62%
QC value within limits for Sb 206.836 Recovery = 94.13%								
Se 196.026†	286.3	0.49957	mg/L	0.010863	0.49957	mg/L	0.010863	2.17%
QC value within limits for Se 196.026 Recovery = 99.91%								
Tl 190.801	468.1	0.45629	mg/L	0.001489	0.45629	mg/L	0.001489	0.33%

QC value within limits for Tl 190.801 Recovery = 91.26%

V 292.402†	297050.9	2.5876 mg/L	0.00329	2.5876 mg/L	0.00329	0.13%
QC value within limits for V 292.402 Recovery = 103.50%						
Zn 206.200†	60368.4	2.5410 mg/L	0.04021	2.5410 mg/L	0.04021	1.58%
QC value within limits for Zn 206.200 Recovery = 101.64%						
Cd 226.502†	10911.9	0.25470 mg/L	0.004606	0.25470 mg/L	0.004606	1.81%
QC value within limits for Cd 226.502 Recovery = 101.88%						
Ti 334.940†	289921.0	0.50364 mg/L	0.000333	0.50364 mg/L	0.000333	0.07%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Ca 227.546†	4002.0	23.993 mg/L	0.1943	23.993 mg/L	0.1943	0.81%
QC value within limits for Ca 227.546 Recovery = 95.97%						
Na 589.592	163016.5	23.288 mg/L	0.2775	23.288 mg/L	0.2775	1.19%
QC value within limits for Na 589.592 Recovery = 93.15%						
K 766.490	54351.1	26.042 mg/L	0.3286	26.042 mg/L	0.3286	1.26%
QC value within limits for K 766.490 Recovery = 104.17%						

All analyte(s) passed QC.

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Sequence No.: 125 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 5:15:29 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:57 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1863308.5	98.705	%	0.9779				0.99%
Lu 261.542	1200199.8	98.19	%	0.920				0.94%
Ag 328.068†	135.7	0.00091	mg/L	0.000387	0.00091	mg/L	0.000387	42.67%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	170.8	0.00837	mg/L	0.000942	0.00837	mg/L	0.000942	11.26%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.9	-0.00102	mg/L	0.003502	-0.00102	mg/L	0.003502	343.39%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	66.2	0.00083	mg/L	0.000218	0.00083	mg/L	0.000218	26.08%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	6.0	0.00000	mg/L	0.000011	0.00000	mg/L	0.000011	372.16%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	3.1	0.00010	mg/L	0.000335	0.00010	mg/L	0.000335	338.81%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	3.7	0.00006	mg/L	0.000103	0.00006	mg/L	0.000103	182.65%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	172.4	0.00081	mg/L	0.000465	0.00081	mg/L	0.000465	57.69%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	190.4	0.00869	mg/L	0.000531	0.00869	mg/L	0.000531	6.11%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	74.9	0.00483	mg/L	0.000836	0.00483	mg/L	0.000836	17.31%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	229.2	0.00044	mg/L	0.000044	0.00044	mg/L	0.000044	10.11%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	4.5	0.00019	mg/L	0.000168	0.00019	mg/L	0.000168	86.75%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	6.1	0.00140	mg/L	0.001502	0.00140	mg/L	0.001502	107.30%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.8	0.00061	mg/L	0.001806	0.00061	mg/L	0.001806	294.44%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-3.4	-0.00587	mg/L	0.005563	-0.00587	mg/L	0.005563	94.72%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	-1.2	-0.00129	mg/L	0.004122	-0.00129	mg/L	0.004122	320.33%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	77.4	0.00067	mg/L	0.000316	0.00067	mg/L	0.000316	46.94%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	100.3	0.00422	mg/L	0.000258	0.00422	mg/L	0.000258	6.12%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	2.1	0.00005	mg/L	0.000065	0.00005	mg/L	0.000065	131.57%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Ti 334.940†	69.6	0.00012	mg/L	0.000031	0.00012	mg/L	0.000031	25.79%
QC value within limits for Ti 334.940 Recovery = Not calculated								

Ca 227.546†	1.1	0.00697	mg/L	0.076370	0.00697	mg/L	0.076370	>999.9%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	-111.9	-0.01600	mg/L	0.009247	-0.01600	mg/L	0.009247	57.81%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	265.1	0.12702	mg/L	0.050487	0.12702	mg/L	0.050487	39.75%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 126 **Autosampler Location: 90**
Sample ID: N1194-14A~SS-23-07 20X **Date Collected: 7/16/2014 5:19:09 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:58 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-14A~SS-23-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1806485.0	95.695	%	0.7723				0.81%
Lu 261.542	1165680.7	95.37	%	0.931				0.98%
Ag 328.068†	474.8	0.00143	mg/L	0.000248	0.00143	mg/L	0.000248	17.36%
Al 308.215†	121713.0	5.9578	mg/L	0.00663	5.9578	mg/L	0.00663	0.11%
As 188.979†	-4.5	0.01661	mg/L	0.001799	0.01661	mg/L	0.001799	10.83%
Ba 233.527†	6511.3	0.08200	mg/L	0.000904	0.08200	mg/L	0.000904	1.10%
Be 313.107†	1274.3	0.00103	mg/L	0.000015	0.00103	mg/L	0.000015	1.45%
Co 228.616†	414.3	0.01263	mg/L	0.000278	0.01263	mg/L	0.000278	2.20%
Cr 267.716†	11004.7	0.16709	mg/L	0.000457	0.16709	mg/L	0.000457	0.27%
Cu 324.752†	70508.2	0.34149	mg/L	0.000366	0.34149	mg/L	0.000366	0.11%
Fe 273.955†	3849721.8	175.27	mg/L	0.220	175.27	mg/L	0.220	0.13%
Mg 279.077†	119929.1	7.8160	mg/L	0.01899	7.8160	mg/L	0.01899	0.24%
Mn 257.610†	2143628.5	4.0715	mg/L	0.00641	4.0715	mg/L	0.00641	0.16%
Ni 231.604†	2826.6	0.12075	mg/L	0.000849	0.12075	mg/L	0.000849	0.70%
Pb 220.353†	2441.3	0.54909	mg/L	0.007545	0.54909	mg/L	0.007545	1.37%
Sb 206.836†	5.9	-0.00277	mg/L	0.002979	-0.00277	mg/L	0.002979	107.51%
Se 196.026†	-34.9	0.02159	mg/L	0.006320	0.02159	mg/L	0.006320	29.27%
Tl 190.801	-15.6	0.01271	mg/L	0.004285	0.01271	mg/L	0.004285	33.70%
V 292.402†	1566.8	0.02398	mg/L	0.000454	0.02398	mg/L	0.000454	1.89%
Zn 206.200†	25448.2	1.0656	mg/L	0.00292	1.0656	mg/L	0.00292	0.27%
Cd 226.502†	576.0	0.00588	mg/L	0.000097	0.00588	mg/L	0.000097	1.64%
Ti 334.940†	148928.6	0.25934	mg/L	0.000325	0.25934	mg/L	0.000325	0.13%
Ca 227.546†	5625.4	36.396	mg/L	0.2739	36.396	mg/L	0.2739	0.75%
Na 589.592	825.9	0.11479	mg/L	0.008577	0.11479	mg/L	0.008577	7.47%
K 766.490	2138.6	1.0247	mg/L	0.04401	1.0247	mg/L	0.04401	4.29%

Sequence No.: 127 **Autosampler Location: 91**
Sample ID: N1194-14ADUP~SS-23-0 20X **Date Collected: 7/16/2014 5:22:50 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:59 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-14ADUP~SS-23-0 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	1792702.1	94.965	%	0.9191				0.97%
Lu 261.542	1156643.2	94.63	%	0.877				0.93%
Ag 328.068†	396.1	0.00085	mg/L	0.000199	0.00085	mg/L	0.000199	23.36%
Al 308.215†	166920.3	8.1726	mg/L	0.22120	8.1726	mg/L	0.22120	2.71%
As 188.979†	-2.1	0.01944	mg/L	0.003551	0.01944	mg/L	0.003551	18.27%
Ba 233.527†	8486.6	0.10687	mg/L	0.001228	0.10687	mg/L	0.001228	1.15%
Be 313.107†	2190.0	0.00151	mg/L	0.000034	0.00151	mg/L	0.000034	2.24%
Co 228.616†	513.1	0.01567	mg/L	0.000206	0.01567	mg/L	0.000206	1.32%
Cr 267.716†	8243.3	0.12457	mg/L	0.003208	0.12457	mg/L	0.003208	2.58%
Cu 324.752†	71463.9	0.34631	mg/L	0.009261	0.34631	mg/L	0.009261	2.67%
Fe 273.955†	3961353.4	180.35	mg/L	0.162	180.35	mg/L	0.162	0.09%
Mg 279.077†	157991.2	10.272	mg/L	0.2698	10.272	mg/L	0.2698	2.63%
Mn 257.610†	2460135.6	4.6726	mg/L	0.00349	4.6726	mg/L	0.00349	0.07%

Ni 231.604†	5125.9	0.21909	mg/L	0.002392	0.21909	mg/L	0.002392	1.09%
Pb 220.353†	2320.1	0.52151	mg/L	0.007542	0.52151	mg/L	0.007542	1.45%
Sb 206.836†	4.4	-0.00350	mg/L	0.002511	-0.00350	mg/L	0.002511	71.79%
Se 196.026†	-34.7	0.02405	mg/L	0.007885	0.02405	mg/L	0.007885	32.79%
Tl 190.801	-21.1	0.00705	mg/L	0.001379	0.00705	mg/L	0.001379	19.57%
V 292.402†	1607.8	0.02450	mg/L	0.000293	0.02450	mg/L	0.000293	1.19%
Zn 206.200†	24425.2	1.0223	mg/L	0.03009	1.0223	mg/L	0.03009	2.94%
Cd 226.502†	612.9	0.00655	mg/L	0.000014	0.00655	mg/L	0.000014	0.21%
Ti 334.940†	173294.8	0.30172	mg/L	0.007779	0.30172	mg/L	0.007779	2.58%
Ca 227.546†	6356.4	40.929	mg/L	0.4771	40.929	mg/L	0.4771	1.17%
Na 589.592	952.5	0.13169	mg/L	0.008631	0.13169	mg/L	0.008631	6.55%
K 766.490	2142.9	1.0268	mg/L	0.02137	1.0268	mg/L	0.02137	2.08%

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Sequence No.: 128 **Autosampler Location: 92**
Sample ID: N1194-14ASD~SS-23-07 20X **Date Collected: 7/16/2014 5:26:31 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:40:59 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-14ASD~SS-23-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1817584.8	96.283	%	1.5658				1.63%
Lu 261.542	1173110.0	95.97	%	1.746				1.82%
Ag 328.068†	93.1	0.00028	mg/L	0.000797	0.00028	mg/L	0.000797	287.62%
Al 308.215†	23752.4	1.1627	mg/L	0.02614	1.1627	mg/L	0.02614	2.25%
As 188.979†	0.3	0.00464	mg/L	0.002402	0.00464	mg/L	0.002402	51.80%
Ba 233.527†	1281.4	0.01614	mg/L	0.000224	0.01614	mg/L	0.000224	1.39%
Be 313.107†	226.2	0.00019	mg/L	0.000025	0.00019	mg/L	0.000025	13.60%
Co 228.616†	73.9	0.00225	mg/L	0.000054	0.00225	mg/L	0.000054	2.40%
Cr 267.716†	2176.4	0.03304	mg/L	0.000749	0.03304	mg/L	0.000749	2.27%
Cu 324.752†	13966.9	0.06765	mg/L	0.001189	0.06765	mg/L	0.001189	1.76%
Fe 273.955†	762509.7	34.715	mg/L	0.0586	34.715	mg/L	0.0586	0.17%
Mg 279.077†	24165.7	1.5746	mg/L	0.02634	1.5746	mg/L	0.02634	1.67%
Mn 257.610†	424207.9	0.80571	mg/L	0.001221	0.80571	mg/L	0.001221	0.15%
Ni 231.604†	563.5	0.02408	mg/L	0.000498	0.02408	mg/L	0.000498	2.07%
Pb 220.353†	503.0	0.11319	mg/L	0.002219	0.11319	mg/L	0.002219	1.96%
Sb 206.836†	-3.6	-0.00400	mg/L	0.000487	-0.00400	mg/L	0.000487	12.18%
Se 196.026†	-9.7	-0.00053	mg/L	0.004499	-0.00053	mg/L	0.004499	844.56%
Tl 190.801	-4.4	0.00114	mg/L	0.001048	0.00114	mg/L	0.001048	91.91%
V 292.402†	306.1	0.00472	mg/L	0.000364	0.00472	mg/L	0.000364	7.73%
Zn 206.200†	5103.7	0.21372	mg/L	0.003707	0.21372	mg/L	0.003707	1.73%
Cd 226.502†	117.5	0.00124	mg/L	0.000099	0.00124	mg/L	0.000099	7.97%
Ti 334.940†	28183.5	0.04908	mg/L	0.001020	0.04908	mg/L	0.001020	2.08%
Ca 227.546†	1089.0	7.0543	mg/L	0.04609	7.0543	mg/L	0.04609	0.65%
Na 589.592	65.0	0.00866	mg/L	0.008325	0.00866	mg/L	0.008325	96.17%
K 766.490	600.4	0.28768	mg/L	0.025994	0.28768	mg/L	0.025994	9.04%

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Sequence No.: 129 **Autosampler Location: 93**
Sample ID: N1194-15A~SS-24-07 20X **Date Collected: 7/16/2014 5:30:12 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:00 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-15A~SS-24-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1806806.6	95.712	%	1.0871				1.14%
Lu 261.542	1164263.3	95.25	%	1.078				1.13%
Ag 328.068†	311.3	0.00056	mg/L	0.000313	0.00056	mg/L	0.000313	55.92%
Al 308.215†	176133.4	8.6245	mg/L	0.13739	8.6245	mg/L	0.13739	1.59%
As 188.979†	-4.5	0.01344	mg/L	0.002417	0.01344	mg/L	0.002417	17.99%
Ba 233.527†	7793.8	0.09815	mg/L	0.001421	0.09815	mg/L	0.001421	1.45%
Be 313.107†	2415.6	0.00155	mg/L	0.000022	0.00155	mg/L	0.000022	1.45%
Co 228.616†	330.3	0.00996	mg/L	0.000160	0.00996	mg/L	0.000160	1.61%

Cr 267.716†	4589.0	0.06912	mg/L	0.001143	0.06912	mg/L	0.001143	1.65%
Cu 324.752†	27618.6	0.13967	mg/L	0.002136	0.13967	mg/L	0.002136	1.53%
Fe 273.955†	3358644.2	152.91	mg/L	0.100	152.91	mg/L	0.100	0.07%
Mg 279.077†	131078.1	8.5237	mg/L	0.13410	8.5237	mg/L	0.13410	1.57%
Mn 257.610†	1709451.0	3.2469	mg/L	0.00275	3.2469	mg/L	0.00275	0.08%
Ni 231.604†	1047.5	0.04462	mg/L	0.001056	0.04462	mg/L	0.001056	2.37%
Pb 220.353†	1406.8	0.31478	mg/L	0.005308	0.31478	mg/L	0.005308	1.69%
Sb 206.836†	2.1	-0.00366	mg/L	0.001030	-0.00366	mg/L	0.001030	28.13%
Se 196.026†	-31.8	0.01677	mg/L	0.011402	0.01677	mg/L	0.011402	67.98%
Tl 190.801	-14.9	0.01030	mg/L	0.002698	0.01030	mg/L	0.002698	26.19%
V 292.402†	1531.5	0.02215	mg/L	0.000461	0.02215	mg/L	0.000461	2.08%
Zn 206.200†	18590.6	0.77753	mg/L	0.011745	0.77753	mg/L	0.011745	1.51%
Cd 226.502†	510.3	0.00529	mg/L	0.000161	0.00529	mg/L	0.000161	3.05%
Ti 334.940†	152582.5	0.26574	mg/L	0.004608	0.26574	mg/L	0.004608	1.73%
Ca 227.546†	6217.0	39.787	mg/L	0.5041	39.787	mg/L	0.5041	1.27%
Na 589.592	1873.3	0.26302	mg/L	0.001446	0.26302	mg/L	0.001446	0.55%
K 766.490	4427.5	2.1215	mg/L	0.01131	2.1215	mg/L	0.01131	0.53%

Sequence No.: 130 **Autosampler Location: 94**
Sample ID: N1194-16A~SS-FD-03-0 20X **Date Collected: 7/16/2014 5:33:53 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:01 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-16A~SS-FD-03-0 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1778491.3	94.212	%	0.4208				0.45%
Lu 261.542	1144827.1	93.66	%	0.451				0.48%
Ag 328.068†	293.9	0.00056	mg/L	0.000222	0.00056	mg/L	0.000222	39.62%
Al 308.215†	320359.7	15.688	mg/L	0.1359	15.688	mg/L	0.1359	0.87%
As 188.979†	-5.8	0.01119	mg/L	0.000907	0.01119	mg/L	0.000907	8.11%
Ba 233.527†	14909.6	0.18775	mg/L	0.001861	0.18775	mg/L	0.001861	0.99%
Be 313.107†	4285.4	0.00246	mg/L	0.000013	0.00246	mg/L	0.000013	0.51%
Co 228.616†	351.5	0.01054	mg/L	0.000320	0.01054	mg/L	0.000320	3.03%
Cr 267.716†	5371.9	0.08089	mg/L	0.000761	0.08089	mg/L	0.000761	0.94%
Cu 324.752†	33971.2	0.16855	mg/L	0.001709	0.16855	mg/L	0.001709	1.01%
Fe 273.955†	3114070.2	141.77	mg/L	0.241	141.77	mg/L	0.241	0.17%
Mg 279.077†	255199.5	16.518	mg/L	0.1349	16.518	mg/L	0.1349	0.82%
Mn 257.610†	2034048.3	3.8634	mg/L	0.00650	3.8634	mg/L	0.00650	0.17%
Ni 231.604†	1140.4	0.04851	mg/L	0.000563	0.04851	mg/L	0.000563	1.16%
Pb 220.353†	1842.9	0.41564	mg/L	0.003973	0.41564	mg/L	0.003973	0.96%
Sb 206.836†	4.0	-0.00194	mg/L	0.001768	-0.00194	mg/L	0.001768	91.07%
Se 196.026†	-26.0	0.02131	mg/L	0.011896	0.02131	mg/L	0.011896	55.83%
Tl 190.801	-11.3	0.01125	mg/L	0.003064	0.01125	mg/L	0.003064	27.23%
V 292.402†	2154.4	0.02690	mg/L	0.000378	0.02690	mg/L	0.000378	1.40%
Zn 206.200†	25787.5	1.0804	mg/L	0.00980	1.0804	mg/L	0.00980	0.91%
Cd 226.502†	480.2	0.00507	mg/L	0.000122	0.00507	mg/L	0.000122	2.40%
Ti 334.940†	178289.9	0.31055	mg/L	0.002747	0.31055	mg/L	0.002747	0.88%
Ca 227.546†	10666.1	66.958	mg/L	0.4255	66.958	mg/L	0.4255	0.64%
Na 589.592	3505.3	0.49241	mg/L	0.010432	0.49241	mg/L	0.010432	2.12%
K 766.490	5779.6	2.7693	mg/L	0.05748	2.7693	mg/L	0.05748	2.08%

Sequence No.: 131 **Autosampler Location: 95**
Sample ID: N1194-17A~SS-25-07 20X **Date Collected: 7/16/2014 5:37:34 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:02 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-17A~SS-25-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1792299.4	94.943	%	0.4137				0.44%
Lu 261.542	1152443.4	94.28	%	0.475				0.50%
Ag 328.068†	246.8	0.00019	mg/L	0.000378	0.00019	mg/L	0.000378	194.16%

Al 308.215†	354732.9	17.368	mg/L	0.1082	17.368	mg/L	0.1082	0.62%
As 188.979†	2.6	0.02153	mg/L	0.002446	0.02153	mg/L	0.002446	11.36%
Ba 233.527†	21600.8	0.27200	mg/L	0.001870	0.27200	mg/L	0.001870	0.69%
Be 313.107†	4543.0	0.00268	mg/L	0.000021	0.00268	mg/L	0.000021	0.77%
Co 228.616†	401.2	0.01201	mg/L	0.000272	0.01201	mg/L	0.000272	2.27%
Cr 267.716†	4225.4	0.06343	mg/L	0.000450	0.06343	mg/L	0.000450	0.71%
Cu 324.752†	32095.6	0.16020	mg/L	0.001152	0.16020	mg/L	0.001152	0.72%
Fe 273.955†	3241178.2	147.56	mg/L	0.363	147.56	mg/L	0.363	0.25%
Mg 279.077†	188136.3	12.199	mg/L	0.0669	12.199	mg/L	0.0669	0.55%
Mn 257.610†	1889830.8	3.5899	mg/L	0.00975	3.5899	mg/L	0.00975	0.27%
Ni 231.604†	975.8	0.04146	mg/L	0.000117	0.04146	mg/L	0.000117	0.28%
Pb 220.353†	1421.2	0.31969	mg/L	0.001458	0.31969	mg/L	0.001458	0.46%
Sb 206.836†	-1.6	-0.00585	mg/L	0.002818	-0.00585	mg/L	0.002818	48.15%
Se 196.026†	-31.3	0.01555	mg/L	0.009083	0.01555	mg/L	0.009083	58.42%
Tl 190.801	-17.2	0.00700	mg/L	0.002945	0.00700	mg/L	0.002945	42.05%
V 292.402†	3151.2	0.03582	mg/L	0.000631	0.03582	mg/L	0.000631	1.76%
Zn 206.200†	19651.5	0.82212	mg/L	0.003230	0.82212	mg/L	0.003230	0.39%
Cd 226.502†	485.6	0.00495	mg/L	0.000217	0.00495	mg/L	0.000217	4.38%
Ti 334.940†	210810.1	0.36762	mg/L	0.001266	0.36762	mg/L	0.001266	0.34%
Ca 227.546†	14128.8	88.260	mg/L	0.3269	88.260	mg/L	0.3269	0.37%
Na 589.592	2589.2	0.36060	mg/L	0.005878	0.36060	mg/L	0.005878	1.63%
K 766.490	3693.3	1.7697	mg/L	0.07085	1.7697	mg/L	0.07085	4.00%

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Sequence No.: 132 **Autosampler Location: 96**
Sample ID: N1194-18A~SS-26-07 20X **Date Collected: 7/16/2014 5:41:15 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:02 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-18A~SS-26-07 20X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1826236.8	96.741	%	0.8704				0.90%
Lu 261.542	1180293.0	96.56	%	0.811				0.84%
Ag 328.068†	411.5	0.00137	mg/L	0.000480	0.00137	mg/L	0.000480	35.06%
Al 308.215†	170976.1	8.3720	mg/L	0.10269	8.3720	mg/L	0.10269	1.23%
As 188.979†	-0.6	0.01626	mg/L	0.006235	0.01626	mg/L	0.006235	38.35%
Ba 233.527†	8108.1	0.10211	mg/L	0.000385	0.10211	mg/L	0.000385	0.38%
Be 313.107†	1814.5	0.00130	mg/L	0.000022	0.00130	mg/L	0.000022	1.68%
Co 228.616†	338.8	0.01020	mg/L	0.000075	0.01020	mg/L	0.000075	0.74%
Cr 267.716†	5587.9	0.08429	mg/L	0.000382	0.08429	mg/L	0.000382	0.45%
Cu 324.752†	33889.9	0.16800	mg/L	0.001927	0.16800	mg/L	0.001927	1.15%
Fe 273.955†	3061123.0	139.36	mg/L	0.270	139.36	mg/L	0.270	0.19%
Mg 279.077†	138397.2	8.9888	mg/L	0.11367	8.9888	mg/L	0.11367	1.26%
Mn 257.610†	1891853.5	3.5933	mg/L	0.00511	3.5933	mg/L	0.00511	0.14%
Ni 231.604†	1127.2	0.04802	mg/L	0.000393	0.04802	mg/L	0.000393	0.82%
Pb 220.353†	1586.6	0.35634	mg/L	0.002487	0.35634	mg/L	0.002487	0.70%
Sb 206.836†	4.5	-0.00169	mg/L	0.003553	-0.00169	mg/L	0.003553	210.38%
Se 196.026†	-27.5	0.01755	mg/L	0.006479	0.01755	mg/L	0.006479	36.91%
Tl 190.801	-13.9	0.00798	mg/L	0.003543	0.00798	mg/L	0.003543	44.42%
V 292.402†	2136.5	0.02665	mg/L	0.000322	0.02665	mg/L	0.000322	1.21%
Zn 206.200†	19791.7	0.82846	mg/L	0.010828	0.82846	mg/L	0.010828	1.31%
Cd 226.502†	490.7	0.00542	mg/L	0.000086	0.00542	mg/L	0.000086	1.58%
Ti 334.940†	160318.7	0.27916	mg/L	0.003375	0.27916	mg/L	0.003375	1.21%
Ca 227.546†	5960.6	38.067	mg/L	0.1285	38.067	mg/L	0.1285	0.34%
Na 589.592	1173.6	0.16317	mg/L	0.010044	0.16317	mg/L	0.010044	6.16%
K 766.490	2857.3	1.3691	mg/L	0.07618	1.3691	mg/L	0.07618	5.56%

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Sequence No.: 133 **Autosampler Location: 97**
Sample ID: N1194-19A~SS-27-07 20X **Date Collected: 7/16/2014 5:44:56 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:03 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-19A~SS-27-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1772153.7	93.876	%	1.2469				1.33%
Lu 261.542	1139064.3	93.19	%	1.288				1.38%
Ag 328.068†	172.3	0.00002	mg/L	0.000273	0.00002	mg/L	0.000273	>999.9%
Al 308.215†	282532.8	13.831	mg/L	0.2604	13.831	mg/L	0.2604	1.88%
As 188.979†	-2.6	0.01163	mg/L	0.004074	0.01163	mg/L	0.004074	35.04%
Ba 233.527†	12449.2	0.15676	mg/L	0.003148	0.15676	mg/L	0.003148	2.01%
Be 313.107†	5573.1	0.00296	mg/L	0.000055	0.00296	mg/L	0.000055	1.86%
Co 228.616†	247.7	0.00734	mg/L	0.000309	0.00734	mg/L	0.000309	4.22%
Cr 267.716†	3741.1	0.05607	mg/L	0.000805	0.05607	mg/L	0.000805	1.44%
Cu 324.752†	23983.8	0.11997	mg/L	0.002358	0.11997	mg/L	0.002358	1.97%
Fe 273.955†	2504300.4	114.01	mg/L	0.100	114.01	mg/L	0.100	0.09%
Mg 279.077†	296121.1	19.142	mg/L	0.3661	19.142	mg/L	0.3661	1.91%
Mn 257.610†	1788346.7	3.3967	mg/L	0.00204	3.3967	mg/L	0.00204	0.06%
Ni 231.604†	1020.4	0.04338	mg/L	0.000187	0.04338	mg/L	0.000187	0.43%
Pb 220.353†	1162.5	0.26177	mg/L	0.002005	0.26177	mg/L	0.002005	0.77%
Sb 206.836†	-0.5	-0.00385	mg/L	0.001118	-0.00385	mg/L	0.001118	29.05%
Se 196.026†	-22.9	0.01356	mg/L	0.004096	0.01356	mg/L	0.004096	30.20%
Tl 190.801	-12.7	0.00540	mg/L	0.002460	0.00540	mg/L	0.002460	45.54%
V 292.402†	1680.5	0.02115	mg/L	0.000538	0.02115	mg/L	0.000538	2.55%
Zn 206.200†	14005.0	0.58566	mg/L	0.009174	0.58566	mg/L	0.009174	1.57%
Cd 226.502†	386.4	0.00409	mg/L	0.000068	0.00409	mg/L	0.000068	1.65%
Ti 334.940†	151407.0	0.26378	mg/L	0.005125	0.26378	mg/L	0.005125	1.94%
Ca 227.546†	12118.8	75.568	mg/L	0.8393	75.568	mg/L	0.8393	1.11%
Na 589.592	2354.8	0.32900	mg/L	0.013042	0.32900	mg/L	0.013042	3.96%
K 766.490	3465.4	1.6604	mg/L	0.06040	1.6604	mg/L	0.06040	3.64%

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Sequence No.: 134 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 5:48:37 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:04 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	1769550.8	93.738	%	1.2884				1.37%
Lu 261.542	1147236.2	93.86	%	1.335				1.42%
Ag 328.068†	200017.6	1.3378	mg/L	0.01064	1.3378	mg/L	0.01064	0.80%
QC value within limits for Ag 328.068 Recovery = 107.02%								
Al 308.215†	212421.7	10.381	mg/L	0.0880	10.381	mg/L	0.0880	0.85%
QC value within limits for Al 308.215 Recovery = 103.81%								
As 188.979†	448.3	0.50707	mg/L	0.002687	0.50707	mg/L	0.002687	0.53%
QC value within limits for As 188.979 Recovery = 101.41%								
Ba 233.527†	816806.7	10.287	mg/L	0.0195	10.287	mg/L	0.0195	0.19%
QC value within limits for Ba 233.527 Recovery = 102.87%								
Be 313.107†	567751.8	0.25516	mg/L	0.000789	0.25516	mg/L	0.000789	0.31%
QC value within limits for Be 313.107 Recovery = 102.06%								
Co 228.616†	78150.0	2.4850	mg/L	0.01955	2.4850	mg/L	0.01955	0.79%
QC value within limits for Co 228.616 Recovery = 99.40%								
Cr 267.716†	65570.0	1.0045	mg/L	0.00788	1.0045	mg/L	0.00788	0.78%
QC value within limits for Cr 267.716 Recovery = 100.45%								
Cu 324.752†	266825.8	1.2465	mg/L	0.01273	1.2465	mg/L	0.01273	1.02%
QC value within limits for Cu 324.752 Recovery = 99.72%								
Fe 273.955†	112989.1	5.2341	mg/L	0.04831	5.2341	mg/L	0.04831	0.92%
QC value within limits for Fe 273.955 Recovery = 104.68%								
Mg 279.077†	403067.3	25.982	mg/L	0.0195	25.982	mg/L	0.0195	0.08%
QC value within limits for Mg 279.077 Recovery = 103.93%								
Mn 257.610†	1363043.7	2.5880	mg/L	0.00601	2.5880	mg/L	0.00601	0.23%
QC value within limits for Mn 257.610 Recovery = 103.52%								
Ni 231.604†	59923.9	2.5639	mg/L	0.01826	2.5639	mg/L	0.01826	0.71%
QC value within limits for Ni 231.604 Recovery = 102.56%								
Pb 220.353†	2228.3	0.50818	mg/L	0.005992	0.50818	mg/L	0.005992	1.18%
QC value within limits for Pb 220.353 Recovery = 101.64%								
Sb 206.836†	663.9	0.47220	mg/L	0.010155	0.47220	mg/L	0.010155	2.15%
QC value within limits for Sb 206.836 Recovery = 94.44%								
Se 196.026†	282.9	0.49353	mg/L	0.007797	0.49353	mg/L	0.007797	1.58%

QC value within limits for Se 196.026 Recovery = 98.71%

Tl 190.801	462.3	0.45048 mg/L	0.002509	0.45048 mg/L	0.002509	0.56%

QC value within limits for Tl 190.801 Recovery = 90.10%

V 292.402†	291094.4	2.5358 mg/L	0.01832	2.5358 mg/L	0.01832	0.72%

QC value within limits for V 292.402 Recovery = 101.43%

Zn 206.200†	60277.0	2.5372 mg/L	0.02307	2.5372 mg/L	0.02307	0.91%

QC value within limits for Zn 206.200 Recovery = 101.49%

Cd 226.502†	10872.3	0.25378 mg/L	0.001035	0.25378 mg/L	0.001035	0.41%

QC value within limits for Cd 226.502 Recovery = 101.51%

Ti 334.940†	287477.2	0.49941 mg/L	0.001820	0.49941 mg/L	0.001820	0.36%

QC value within limits for Ti 334.940 Recovery = Not calculated

Ca 227.546†	4031.6	24.178 mg/L	0.3458	24.178 mg/L	0.3458	1.43%

QC value within limits for Ca 227.546 Recovery = 96.71%

Na 589.592	166859.0	23.837 mg/L	0.2028	23.837 mg/L	0.2028	0.85%

QC value within limits for Na 589.592 Recovery = 95.35%

K 766.490	55073.7	26.389 mg/L	0.2622	26.389 mg/L	0.2622	0.99%

QC value within limits for K 766.490 Recovery = 105.55%

All analyte(s) passed QC.

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Sequence No.: 135 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 5:52:19 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:04 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1821654.8	96.498	%	0.4369				0.45%
Lu 261.542	1171976.5	95.88	%	0.493				0.51%
Ag 328.068†	125.0	0.00084	mg/L	0.000395	0.00084	mg/L	0.000395	47.24%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	190.2	0.00931	mg/L	0.004866	0.00931	mg/L	0.004866	52.27%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.9	-0.00098	mg/L	0.006619	-0.00098	mg/L	0.006619	677.18%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	50.8	0.00064	mg/L	0.000179	0.00064	mg/L	0.000179	28.00%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	21.7	0.00001	mg/L	0.000008	0.00001	mg/L	0.000008	83.39%
QC value within limits for Be 313.107 Recovery = Not calculated								
Co 228.616†	5.4	0.00017	mg/L	0.000155	0.00017	mg/L	0.000155	90.15%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-4.3	-0.00007	mg/L	0.000126	-0.00007	mg/L	0.000126	191.72%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	147.5	0.00069	mg/L	0.000170	0.00069	mg/L	0.000170	24.65%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 273.955†	115.9	0.00530	mg/L	0.000274	0.00530	mg/L	0.000274	5.18%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Mg 279.077†	5.3	0.00034	mg/L	0.002777	0.00034	mg/L	0.002777	813.00%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	151.3	0.00029	mg/L	0.000041	0.00029	mg/L	0.000041	14.30%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Ni 231.604†	-1.0	-0.00004	mg/L	0.000438	-0.00004	mg/L	0.000438	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.6	0.00036	mg/L	0.001330	0.00036	mg/L	0.001330	367.65%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	2.8	0.00201	mg/L	0.003203	0.00201	mg/L	0.003203	159.69%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.8	-0.00318	mg/L	0.002934	-0.00318	mg/L	0.002934	92.15%
QC value within limits for Se 196.026 Recovery = Not calculated								
Tl 190.801	-0.4	-0.00039	mg/L	0.001183	-0.00039	mg/L	0.001183	299.41%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	71.3	0.00062	mg/L	0.000244	0.00062	mg/L	0.000244	39.33%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	69.6	0.00293	mg/L	0.000350	0.00293	mg/L	0.000350	11.95%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Cd 226.502†	1.3	0.00003	mg/L	0.000171	0.00003	mg/L	0.000171	549.50%
QC value within limits for Cd 226.502 Recovery = Not calculated								

Ti 334.940†	15.0	0.00003	mg/L	0.000068	0.00003	mg/L	0.000068	256.44%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Ca 227.546†	5.3	0.03257	mg/L	0.031114	0.03257	mg/L	0.031114	95.54%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Na 589.592	-120.6	-0.01724	mg/L	0.014599	-0.01724	mg/L	0.014599	84.69%
QC value within limits for Na 589.592 Recovery = Not calculated								
K 766.490	195.8	0.09383	mg/L	0.061678	0.09383	mg/L	0.061678	65.73%
QC value within limits for K 766.490 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 136 **Autosampler Location: 98**
Sample ID: N1194-20A~SS-28-07 20X **Date Collected: 7/16/2014 5:55:58 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:05 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-20A~SS-28-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1800638.4	95.385	%	0.8750				0.92%
Lu 261.542	1154061.4	94.42	%	0.890				0.94%
Ag 328.068†	387.9	0.00013	mg/L	0.000331	0.00013	mg/L	0.000331	253.43%
Al 308.215†	204869.3	10.026	mg/L	0.1337	10.026	mg/L	0.1337	1.33%
As 188.979†	1.9	0.03419	mg/L	0.004586	0.03419	mg/L	0.004586	13.41%
Ba 233.527†	8654.3	0.10900	mg/L	0.001697	0.10900	mg/L	0.001697	1.56%
Be 313.107†	2512.5	0.00143	mg/L	0.000040	0.00143	mg/L	0.000040	2.78%
Co 228.616†	516.7	0.01607	mg/L	0.000189	0.01607	mg/L	0.000189	1.18%
Cr 267.716†	22251.6	0.33925	mg/L	0.003510	0.33925	mg/L	0.003510	1.03%
Cu 324.752†	44270.6	0.22412	mg/L	0.002692	0.22412	mg/L	0.002692	1.20%
Fe 273.955†	5456055.8	248.40	mg/L	0.421	248.40	mg/L	0.421	0.17%
Mg 279.077†	129572.8	8.4735	mg/L	0.10579	8.4735	mg/L	0.10579	1.25%
Mn 257.610†	2316303.5	4.3998	mg/L	0.00869	4.3998	mg/L	0.00869	0.20%
Ni 231.604†	2256.4	0.09640	mg/L	0.000624	0.09640	mg/L	0.000624	0.65%
Pb 220.353†	1781.0	0.39598	mg/L	0.000687	0.39598	mg/L	0.000687	0.17%
Sb 206.836†	9.3	-0.00449	mg/L	0.001980	-0.00449	mg/L	0.001980	44.05%
Se 196.026†	-49.9	0.03089	mg/L	0.001466	0.03089	mg/L	0.001466	4.75%
Tl 190.801	-22.8	0.01999	mg/L	0.002042	0.01999	mg/L	0.002042	10.21%
V 292.402†	3375.5	0.04445	mg/L	0.000472	0.04445	mg/L	0.000472	1.06%
Zn 206.200†	19506.6	0.81422	mg/L	0.010737	0.81422	mg/L	0.010737	1.32%
Cd 226.502†	797.5	0.00787	mg/L	0.000154	0.00787	mg/L	0.000154	1.96%
Ti 334.940†	101138.6	0.17657	mg/L	0.002085	0.17657	mg/L	0.002085	1.18%
Ca 227.546†	11226.8	71.546	mg/L	0.6409	71.546	mg/L	0.6409	0.90%
Na 589.592	1190.8	0.16473	mg/L	0.004795	0.16473	mg/L	0.004795	2.91%
K 766.490	3048.3	1.4606	mg/L	0.04825	1.4606	mg/L	0.04825	3.30%

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Sequence No.: 137 **Autosampler Location: 99**
Sample ID: N1194-21A~SS-29-07 20X **Date Collected: 7/16/2014 5:59:42 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:06 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-21A~SS-29-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1791316.7	94.891	%	0.3413				0.36%
Lu 261.542	1154471.2	94.45	%	0.347				0.37%
Ag 328.068†	199.1	-0.00003	mg/L	0.000670	-0.00003	mg/L	0.000670	>999.9%
Al 308.215†	166776.9	8.1656	mg/L	0.04247	8.1656	mg/L	0.04247	0.52%
As 188.979†	-3.4	0.01307	mg/L	0.002271	0.01307	mg/L	0.002271	17.37%
Ba 233.527†	8055.4	0.10145	mg/L	0.000311	0.10145	mg/L	0.000311	0.31%
Be 313.107†	1462.8	0.00114	mg/L	0.000035	0.00114	mg/L	0.000035	3.10%
Co 228.616†	344.5	0.01039	mg/L	0.000146	0.01039	mg/L	0.000146	1.41%
Cr 267.716†	6357.2	0.09609	mg/L	0.000140	0.09609	mg/L	0.000140	0.15%
Cu 324.752†	45866.3	0.22381	mg/L	0.002090	0.22381	mg/L	0.002090	0.93%
Fe 273.955†	3025374.2	137.74	mg/L	0.053	137.74	mg/L	0.053	0.04%

Mg 279.077†	176604.5	11.451	mg/L	0.0795	11.451	mg/L	0.0795	0.69%
Mn 257.610†	1870432.0	3.5525	mg/L	0.00271	3.5525	mg/L	0.00271	0.08%
Ni 231.604†	1520.6	0.06483	mg/L	0.000308	0.06483	mg/L	0.000308	0.47%
Pb 220.353†	1595.6	0.35842	mg/L	0.002699	0.35842	mg/L	0.002699	0.75%
Sb 206.836†	2.5	-0.00319	mg/L	0.004223	-0.00319	mg/L	0.004223	132.40%
Se 196.026†	-32.9	0.00723	mg/L	0.000092	0.00723	mg/L	0.000092	1.27%
Tl 190.801	-10.0	0.01195	mg/L	0.005937	0.01195	mg/L	0.005937	49.69%
V 292.402†	2150.2	0.02670	mg/L	0.000161	0.02670	mg/L	0.000161	0.60%
Zn 206.200†	19611.3	0.82096	mg/L	0.006959	0.82096	mg/L	0.006959	0.85%
Cd 226.502†	451.5	0.00458	mg/L	0.000233	0.00458	mg/L	0.000233	5.08%
Ti 334.940†	157678.3	0.27449	mg/L	0.002234	0.27449	mg/L	0.002234	0.81%
Ca 227.546†	6229.8	39.700	mg/L	0.0816	39.700	mg/L	0.0816	0.21%
Na 589.592	2255.6	0.31790	mg/L	0.008887	0.31790	mg/L	0.008887	2.80%
K 766.490	3614.4	1.7318	mg/L	0.02811	1.7318	mg/L	0.02811	1.62%

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Sequence No.: 138 **Autosampler Location: 100**
Sample ID: N1194-22A~SS-30-07 20X **Date Collected: 7/16/2014 6:03:24 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:06 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-22A~SS-30-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1841742.4	97.562	%	0.8543				0.88%
Lu 261.542	1187453.9	97.15	%	0.910				0.94%
Ag 328.068†	151.7	0.00070	mg/L	0.000580	0.00070	mg/L	0.000580	82.66%
Al 308.215†	163409.2	8.0076	mg/L	0.13941	8.0076	mg/L	0.13941	1.74%
As 188.979†	0.0	0.00393	mg/L	0.006305	0.00393	mg/L	0.006305	160.45%
Ba 233.527†	3348.6	0.04217	mg/L	0.000300	0.04217	mg/L	0.000300	0.71%
Be 313.107†	511.0	0.00038	mg/L	0.000005	0.00038	mg/L	0.000005	1.41%
Co 228.616†	108.5	0.00328	mg/L	0.000168	0.00328	mg/L	0.000168	5.12%
Cr 267.716†	947.3	0.01428	mg/L	0.000156	0.01428	mg/L	0.000156	1.09%
Cu 324.752†	3963.5	0.02075	mg/L	0.000375	0.02075	mg/L	0.000375	1.80%
Fe 273.955†	703252.9	32.016	mg/L	0.0548	32.016	mg/L	0.0548	0.17%
Mg 279.077†	46426.1	3.0081	mg/L	0.06385	3.0081	mg/L	0.06385	2.12%
Mn 257.610†	341168.1	0.64804	mg/L	0.001014	0.64804	mg/L	0.001014	0.16%
Ni 231.604†	249.8	0.01062	mg/L	0.000274	0.01062	mg/L	0.000274	2.58%
Pb 220.353†	250.1	0.05641	mg/L	0.001030	0.05641	mg/L	0.001030	1.83%
Sb 206.836†	-4.2	-0.00437	mg/L	0.001095	-0.00437	mg/L	0.001095	25.04%
Se 196.026†	-9.4	-0.00102	mg/L	0.001671	-0.00102	mg/L	0.001671	164.61%
Tl 190.801	0.8	0.00598	mg/L	0.005380	0.00598	mg/L	0.005380	90.01%
V 292.402†	1182.2	0.01211	mg/L	0.000394	0.01211	mg/L	0.000394	3.25%
Zn 206.200†	2441.3	0.10167	mg/L	0.000946	0.10167	mg/L	0.000946	0.93%
Cd 226.502†	93.4	0.00080	mg/L	0.000010	0.00080	mg/L	0.000010	1.28%
Ti 334.940†	47969.1	0.08350	mg/L	0.001512	0.08350	mg/L	0.001512	1.81%
Ca 227.546†	1545.2	9.8252	mg/L	0.11630	9.8252	mg/L	0.11630	1.18%
Na 589.592	811.9	0.11169	mg/L	0.000503	0.11169	mg/L	0.000503	0.45%
K 766.490	2090.5	1.0017	mg/L	0.06265	1.0017	mg/L	0.06265	6.25%

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Sequence No.: 139 **Autosampler Location: 101**
Sample ID: N1194-23A~SS-31-07 20X **Date Collected: 7/16/2014 6:07:05 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:07 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-23A~SS-31-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1785970.2	94.608	%	0.2541				0.27%
Lu 261.542	1150796.6	94.15	%	0.273				0.29%
Ag 328.068†	312.7	0.00028	mg/L	0.000828	0.00028	mg/L	0.000828	300.51%
Al 308.215†	241916.3	11.844	mg/L	0.1377	11.844	mg/L	0.1377	1.16%
As 188.979†	-7.9	0.01409	mg/L	0.002023	0.01409	mg/L	0.002023	14.35%
Ba 233.527†	11577.4	0.14579	mg/L	0.000869	0.14579	mg/L	0.000869	0.60%

Be 313.107†	3742.4	0.00225	mg/L	0.000015	0.00225	mg/L	0.000015	0.68%
Co 228.616†	481.7	0.01464	mg/L	0.000118	0.01464	mg/L	0.000118	0.81%
Cr 267.716†	10646.8	0.16157	mg/L	0.002000	0.16157	mg/L	0.002000	1.24%
Cu 324.752†	42444.1	0.21098	mg/L	0.002250	0.21098	mg/L	0.002250	1.07%
Fe 273.955†	4014172.4	182.75	mg/L	0.133	182.75	mg/L	0.133	0.07%
Mg 279.077†	245292.0	15.900	mg/L	0.2051	15.900	mg/L	0.2051	1.29%
Mn 257.610†	2201209.5	4.1808	mg/L	0.00260	4.1808	mg/L	0.00260	0.06%
Ni 231.604†	2272.1	0.09693	mg/L	0.000758	0.09693	mg/L	0.000758	0.78%
Pb 220.353†	1993.5	0.44762	mg/L	0.004005	0.44762	mg/L	0.004005	0.89%
Sb 206.836†	3.7	-0.00427	mg/L	0.006971	-0.00427	mg/L	0.006971	163.35%
Se 196.026†	-35.9	0.02351	mg/L	0.009726	0.02351	mg/L	0.009726	41.38%
Tl 190.801	-17.4	0.01254	mg/L	0.001674	0.01254	mg/L	0.001674	13.34%
V 292.402†	2102.2	0.02900	mg/L	0.000458	0.02900	mg/L	0.000458	1.58%
Zn 206.200†	18226.5	0.76163	mg/L	0.011070	0.76163	mg/L	0.011070	1.45%
Cd 226.502†	609.6	0.00633	mg/L	0.000110	0.00633	mg/L	0.000110	1.74%
Ti 334.940†	189274.6	0.32959	mg/L	0.003696	0.32959	mg/L	0.003696	1.12%
Ca 227.546†	9749.6	61.776	mg/L	0.3730	61.776	mg/L	0.3730	0.60%
Na 589.592	1928.1	0.26911	mg/L	0.004060	0.26911	mg/L	0.004060	1.51%
K 766.490	3401.8	1.6300	mg/L	0.04383	1.6300	mg/L	0.04383	2.69%

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Sequence No.: 140 **Autosampler Location: 102**
Sample ID: N1194-24A~SS-32-07 20X **Date Collected: 7/16/2014 6:10:47 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:08 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: N1194-24A~SS-32-07 20X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1769810.1	93.752	%	1.3146				1.40%
Lu 261.542	1139813.5	93.25	%	1.355				1.45%
Ag 328.068†	188.2	0.00004	mg/L	0.000647	0.00004	mg/L	0.000647	>999.9%
Al 308.215†	172073.7	8.4250	mg/L	0.17580	8.4250	mg/L	0.17580	2.09%
As 188.979†	2.2	0.01717	mg/L	0.009106	0.01717	mg/L	0.009106	53.03%
Ba 233.527†	7429.2	0.09356	mg/L	0.001132	0.09356	mg/L	0.001132	1.21%
Be 313.107†	1763.4	0.00122	mg/L	0.000046	0.00122	mg/L	0.000046	3.78%
Co 228.616†	296.2	0.00892	mg/L	0.000089	0.00892	mg/L	0.000089	1.00%
Cr 267.716†	2760.1	0.04100	mg/L	0.000601	0.04100	mg/L	0.000601	1.47%
Cu 324.752†	16718.0	0.08666	mg/L	0.001148	0.08666	mg/L	0.001148	1.32%
Fe 273.955†	2694889.4	122.69	mg/L	0.197	122.69	mg/L	0.197	0.16%
Mg 279.077†	144926.2	9.4014	mg/L	0.18461	9.4014	mg/L	0.18461	1.96%
Mn 257.610†	1861603.2	3.5358	mg/L	0.00812	3.5358	mg/L	0.00812	0.23%
Ni 231.604†	746.5	0.03174	mg/L	0.000369	0.03174	mg/L	0.000369	1.16%
Pb 220.353†	1052.4	0.23543	mg/L	0.004677	0.23543	mg/L	0.004677	1.99%
Sb 206.836†	-5.3	-0.00770	mg/L	0.004064	-0.00770	mg/L	0.004064	52.75%
Se 196.026†	-21.8	0.01940	mg/L	0.003560	0.01940	mg/L	0.003560	18.35%
Tl 190.801	-13.9	0.00489	mg/L	0.002093	0.00489	mg/L	0.002093	42.78%
V 292.402†	2048.5	0.02485	mg/L	0.000198	0.02485	mg/L	0.000198	0.80%
Zn 206.200†	19399.5	0.81230	mg/L	0.018212	0.81230	mg/L	0.018212	2.24%
Cd 226.502†	414.3	0.00436	mg/L	0.000110	0.00436	mg/L	0.000110	2.53%
Ti 334.940†	139620.1	0.24318	mg/L	0.004168	0.24318	mg/L	0.004168	1.71%
Ca 227.546†	6522.7	41.336	mg/L	0.4988	41.336	mg/L	0.4988	1.21%
Na 589.592	1007.0	0.13934	mg/L	0.007088	0.13934	mg/L	0.007088	5.09%
K 766.490	3154.5	1.5115	mg/L	0.02409	1.5115	mg/L	0.02409	1.59%

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Sequence No.: 141 **Autosampler Location: 3**
Sample ID: CCV **Date Collected: 7/16/2014 6:14:28 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:09 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1741131.2	92.233	%	0.5070				0.55%

Lu 261.542	1137639.9	93.07 %	0.489				0.53%
Ag 328.068†	204013.6	1.3645 mg/L	0.00132	1.3645 mg/L	0.00132		0.10%
QC value within limits for Ag 328.068 Recovery = 109.16%							
Al 308.215†	217132.4	10.611 mg/L	0.0133	10.611 mg/L	0.0133		0.13%
QC value within limits for Al 308.215 Recovery = 106.11%							
As 188.979†	449.2	0.50785 mg/L	0.005140	0.50785 mg/L	0.005140		1.01%
QC value within limits for As 188.979 Recovery = 101.57%							
Ba 233.527†	820439.6	10.333 mg/L	0.0157	10.333 mg/L	0.0157		0.15%
QC value within limits for Ba 233.527 Recovery = 103.33%							
Be 313.107†	571908.9	0.25703 mg/L	0.000357	0.25703 mg/L	0.000357		0.14%
QC value within limits for Be 313.107 Recovery = 102.81%							
Co 228.616†	77083.7	2.4511 mg/L	0.01614	2.4511 mg/L	0.01614		0.66%
QC value within limits for Co 228.616 Recovery = 98.04%							
Cr 267.716†	64407.5	0.98671 mg/L	0.005068	0.98671 mg/L	0.005068		0.51%
QC value within limits for Cr 267.716 Recovery = 98.67%							
Cu 324.752†	275991.8	1.2893 mg/L	0.00163	1.2893 mg/L	0.00163		0.13%
QC value within limits for Cu 324.752 Recovery = 103.15%							
Fe 273.955†	111005.5	5.1456 mg/L	0.03493	5.1456 mg/L	0.03493		0.68%
QC value within limits for Fe 273.955 Recovery = 102.91%							
Mg 279.077†	408253.4	26.317 mg/L	0.0673	26.317 mg/L	0.0673		0.26%
QC value within limits for Mg 279.077 Recovery = 105.27%							
Mn 257.610†	1371637.4	2.6043 mg/L	0.00441	2.6043 mg/L	0.00441		0.17%
QC value within limits for Mn 257.610 Recovery = 104.17%							
Ni 231.604†	59143.5	2.5305 mg/L	0.01695	2.5305 mg/L	0.01695		0.67%
QC value within limits for Ni 231.604 Recovery = 101.22%							
Pb 220.353†	2191.0	0.49969 mg/L	0.003771	0.49969 mg/L	0.003771		0.75%
QC value within limits for Pb 220.353 Recovery = 99.94%							
Sb 206.836†	667.1	0.47482 mg/L	0.009432	0.47482 mg/L	0.009432		1.99%
QC value within limits for Sb 206.836 Recovery = 94.96%							
Se 196.026†	285.1	0.49729 mg/L	0.009366	0.49729 mg/L	0.009366		1.88%
QC value within limits for Se 196.026 Recovery = 99.46%							
Tl 190.801	456.4	0.44421 mg/L	0.003458	0.44421 mg/L	0.003458		0.78%
QC value less than the lower limit for Tl 190.801 Recovery = 88.84%							
V 292.402†	297320.6	2.5899 mg/L	0.00387	2.5899 mg/L	0.00387		0.15%
QC value within limits for V 292.402 Recovery = 103.60%							
Zn 206.200†	59308.5	2.4964 mg/L	0.02252	2.4964 mg/L	0.02252		0.90%
QC value within limits for Zn 206.200 Recovery = 99.86%							
Cd 226.502†	10707.9	0.24994 mg/L	0.001165	0.24994 mg/L	0.001165		0.47%
QC value within limits for Cd 226.502 Recovery = 99.98%							
Ti 334.940†	290653.4	0.50492 mg/L	0.002111	0.50492 mg/L	0.002111		0.42%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Ca 227.546†	3994.8	23.954 mg/L	0.2231	23.954 mg/L	0.2231		0.93%
QC value within limits for Ca 227.546 Recovery = 95.82%							
Na 589.592	165116.1	23.588 mg/L	0.2920	23.588 mg/L	0.2920		1.24%
QC value within limits for Na 589.592 Recovery = 94.35%							
K 766.490	54329.2	26.032 mg/L	0.2419	26.032 mg/L	0.2419		0.93%
QC value within limits for K 766.490 Recovery = 104.13%							

QC Failed. Continue with analysis.

==========

Sequence No.: 142 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 7/16/2014 6:18:09 PM**
Analyst: **Data Type: Reprocessed on 7/17/2014 8:41:09 AM**
Logged In Analyst (Original) : mitOptima3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

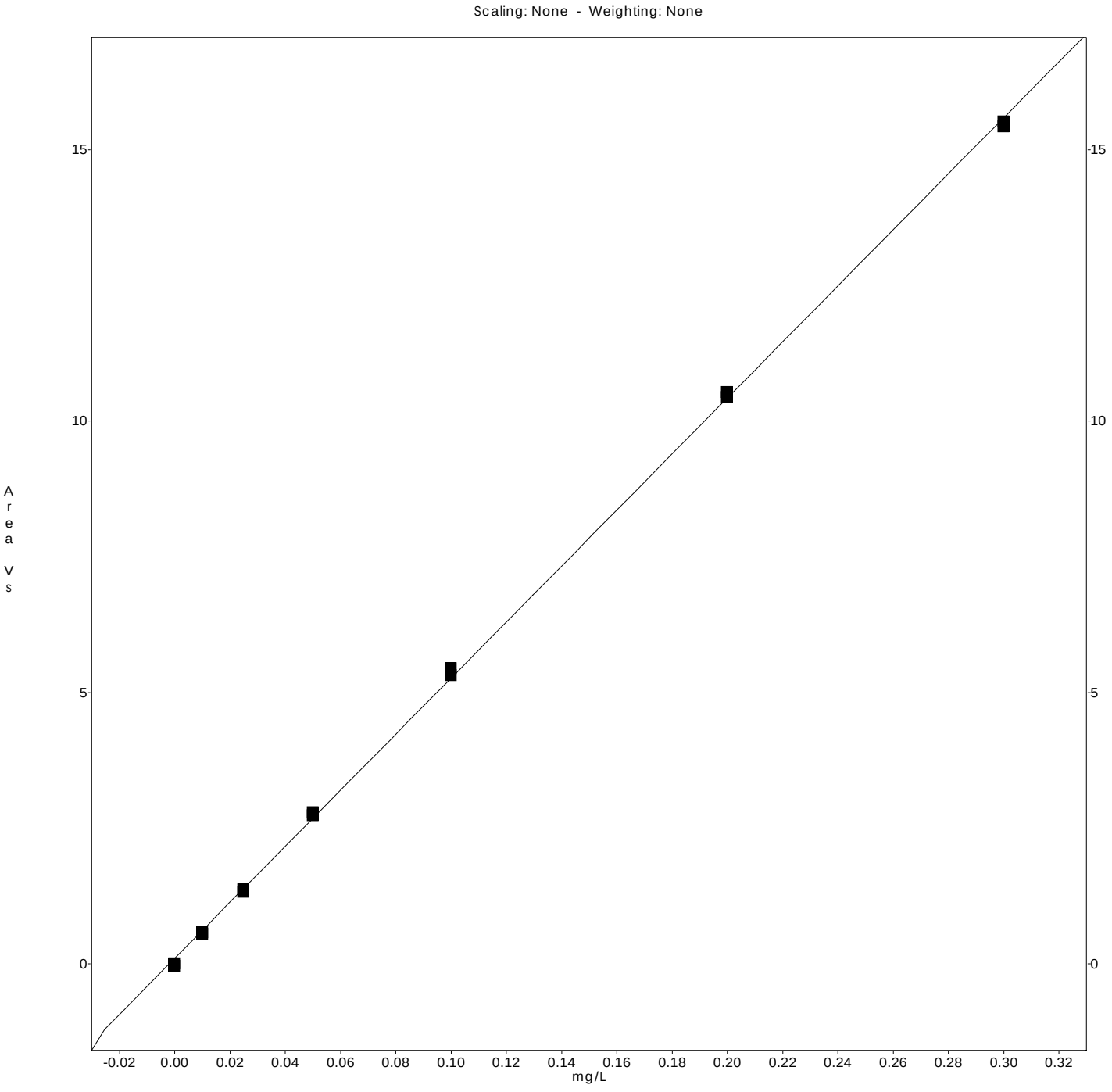
Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	1812067.3	95.990	%	0.4250				0.44%
Lu 261.542	1175459.0	96.17	%	0.498				0.52%
Ag 328.068†	95.4	0.00064	mg/L	0.000345	0.00064	mg/L	0.000345	54.12%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	232.1	0.01138	mg/L	0.003235	0.01138	mg/L	0.003235	28.43%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	2.4	0.00268	mg/L	0.003611	0.00268	mg/L	0.003611	134.96%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	41.2	0.00052	mg/L	0.000117	0.00052	mg/L	0.000117	22.51%
QC value within limits for Ba 233.527 Recovery = Not calculated								

```
Be 313.107†                1.5     0.00000 mg/L      0.000012     0.00000 mg/L      0.000012 >999.9%
   QC value within limits for Be 313.107  Recovery = Not calculated
Co 228.616†                7.0     0.00022 mg/L      0.000065     0.00022 mg/L      0.000065  29.24%
   QC value within limits for Co 228.616  Recovery = Not calculated
Cr 267.716†                4.6     0.00007 mg/L      0.000177     0.00007 mg/L      0.000177 251.33%
   QC value within limits for Cr 267.716  Recovery = Not calculated
Cu 324.752†              131.7     0.00062 mg/L      0.000135     0.00062 mg/L      0.000135  21.98%
   QC value within limits for Cu 324.752  Recovery = Not calculated
Fe 273.955†              129.4     0.00592 mg/L      0.000738     0.00592 mg/L      0.000738  12.47%
   QC value within limits for Fe 273.955  Recovery = Not calculated
Mg 279.077†               -5.4    -0.00034 mg/L      0.004703    -0.00034 mg/L      0.004703 >999.9%
   QC value within limits for Mg 279.077  Recovery = Not calculated
Mn 257.610†              141.3     0.00027 mg/L      0.000037     0.00027 mg/L      0.000037  13.85%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Ni 231.604†               -6.0    -0.00026 mg/L      0.000577    -0.00026 mg/L      0.000577 224.98%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†                3.5     0.00079 mg/L      0.001888     0.00079 mg/L      0.001888 238.66%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†               -0.9    -0.00065 mg/L      0.002499    -0.00065 mg/L      0.002499 384.79%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†                0.5     0.00089 mg/L      0.005158     0.00089 mg/L      0.005158 580.50%
   QC value within limits for Se 196.026  Recovery = Not calculated
Tl 190.801                -2.7    -0.00281 mg/L      0.001824    -0.00281 mg/L      0.001824  64.80%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 292.402†                93.3     0.00081 mg/L      0.000042     0.00081 mg/L      0.000042   5.13%
   QC value within limits for V 292.402  Recovery = Not calculated
Zn 206.200†               61.0     0.00256 mg/L      0.000051     0.00256 mg/L      0.000051   2.00%
   QC value within limits for Zn 206.200  Recovery = Not calculated
Cd 226.502†                6.1     0.00014 mg/L      0.000159     0.00014 mg/L      0.000159 111.80%
   QC value within limits for Cd 226.502  Recovery = Not calculated
Ti 334.940†               83.4     0.00014 mg/L      0.000099     0.00014 mg/L      0.000099  68.34%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Ca 227.546†               -5.5    -0.03352 mg/L      0.055533    -0.03352 mg/L      0.055533 165.68%
   QC value within limits for Ca 227.546  Recovery = Not calculated
Na 589.592              -106.0    -0.01515 mg/L      0.015162    -0.01515 mg/L      0.015162 100.06%
   QC value within limits for Na 589.592  Recovery = Not calculated
K 766.490                241.6     0.11575 mg/L      0.009027     0.11575 mg/L      0.009027   7.80%
   QC value within limits for K 766.490  Recovery = Not calculated
All analyte(s) passed QC.
```

CN

Lvl	Area	mg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	-4147	0.000	18347	-26642				31812.4	-767.0	
2	572883	0.010	588943	556823				22712.7	4.0	8.8
3	1358072	0.025	1336622	1379521				30334.7	2.2	2.7
4	2776054	0.050	2804451	2747656				40159.6	1.4	-3.6
5	5391141	0.100	5327116	5455167				90545.4	1.7	-2.4
6	10502760	0.200	10457277	10548243				64322.7	0.6	-0.7
7	15486672	0.300	15440194	15533149				65729.1	0.4	0.7

1st Order Poly
Conc = 1.937e-008 Area - 1.974e-003
r = 0.9999



Printed: Thursday, July 17, 2014 - 02:12 PM

OPERATOR: jwhiteley
ACQ. TIME: Jul 17, 2014 11:43:15
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METHOD FILENAME: D:\WETCHE~1\LACHAT1\2014\METHODS\C140717A.MET
TRAY FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140717A.TRA

TRAY DESCRIPTION:
Created: Jul 17, 2014 11:42:36
Modified: Jul 17, 2014 11:42:36
ANALYSIS: CN ANALYST: JMW
DATA DESCRIPTION:
Created: Jul 17, 2014 11:43:15
Modified: Jul 17, 2014 11:43:15

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 30

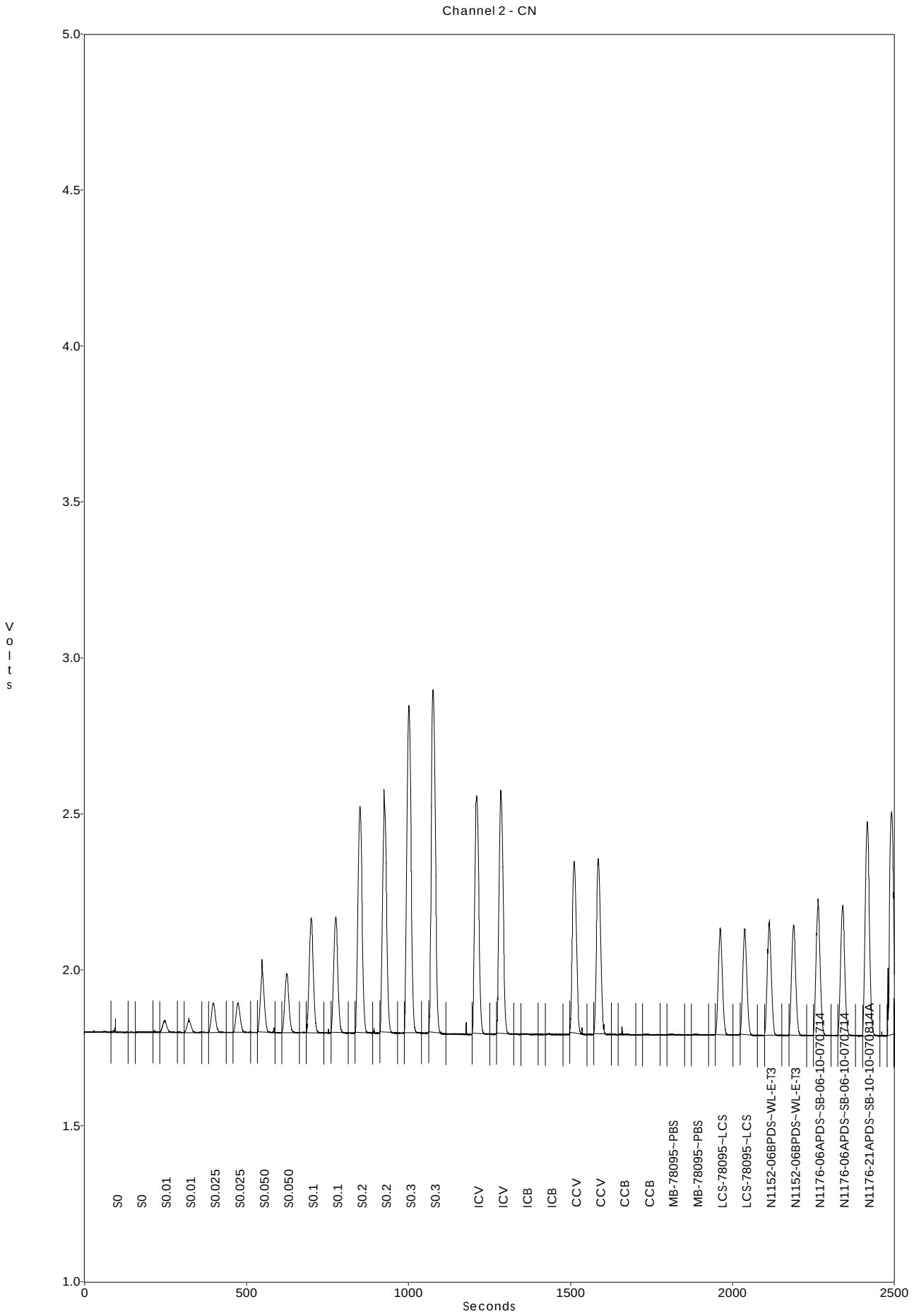
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2	S0.01	17 Jul 2014	11:46:03	2	572883.00	1.0	1.00000	g
3	S0.025	17 Jul 2014	11:48:33	2	1358071.50	1.0	1.00000	g
4	S0.050	17 Jul 2014	11:51:05	2	2776053.38	1.0	1.00000	g
5	S0.1	17 Jul 2014	11:53:35	2	5391141.25	1.0	1.00000	g
6	S0.2	17 Jul 2014	11:56:06	2	10502760.00	1.0	1.00000	g
7	S0.3	17 Jul 2014	11:58:37	2	15486671.50	1.0	1.00000	g

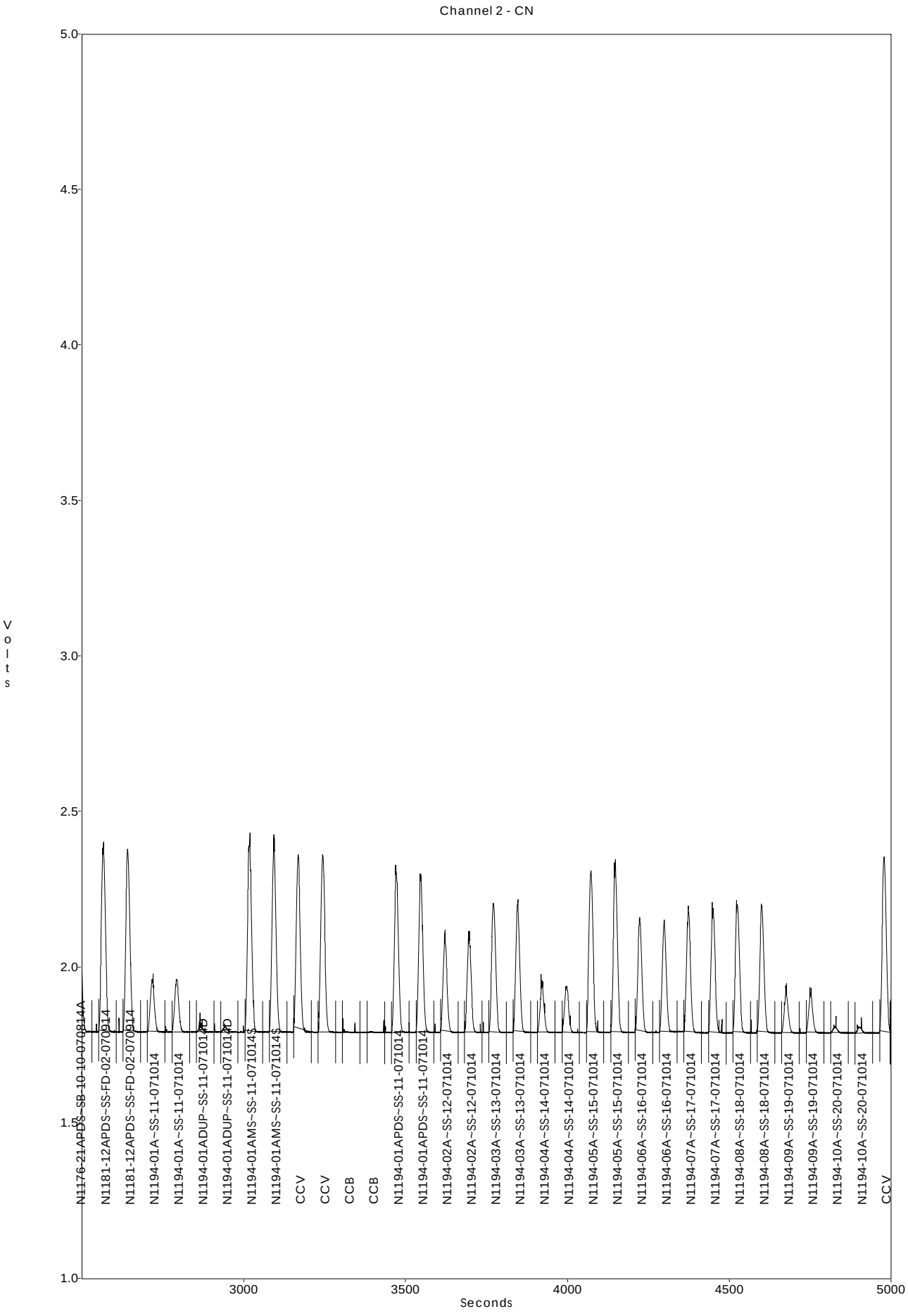
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ACQ. TIME: Jul 17, 2014 11:43:15
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METHOD FILENAME: D:\WETCHE~1\LACHAT1\2014\METHODS\C140717A.MET
TRAY FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140717A.TRA

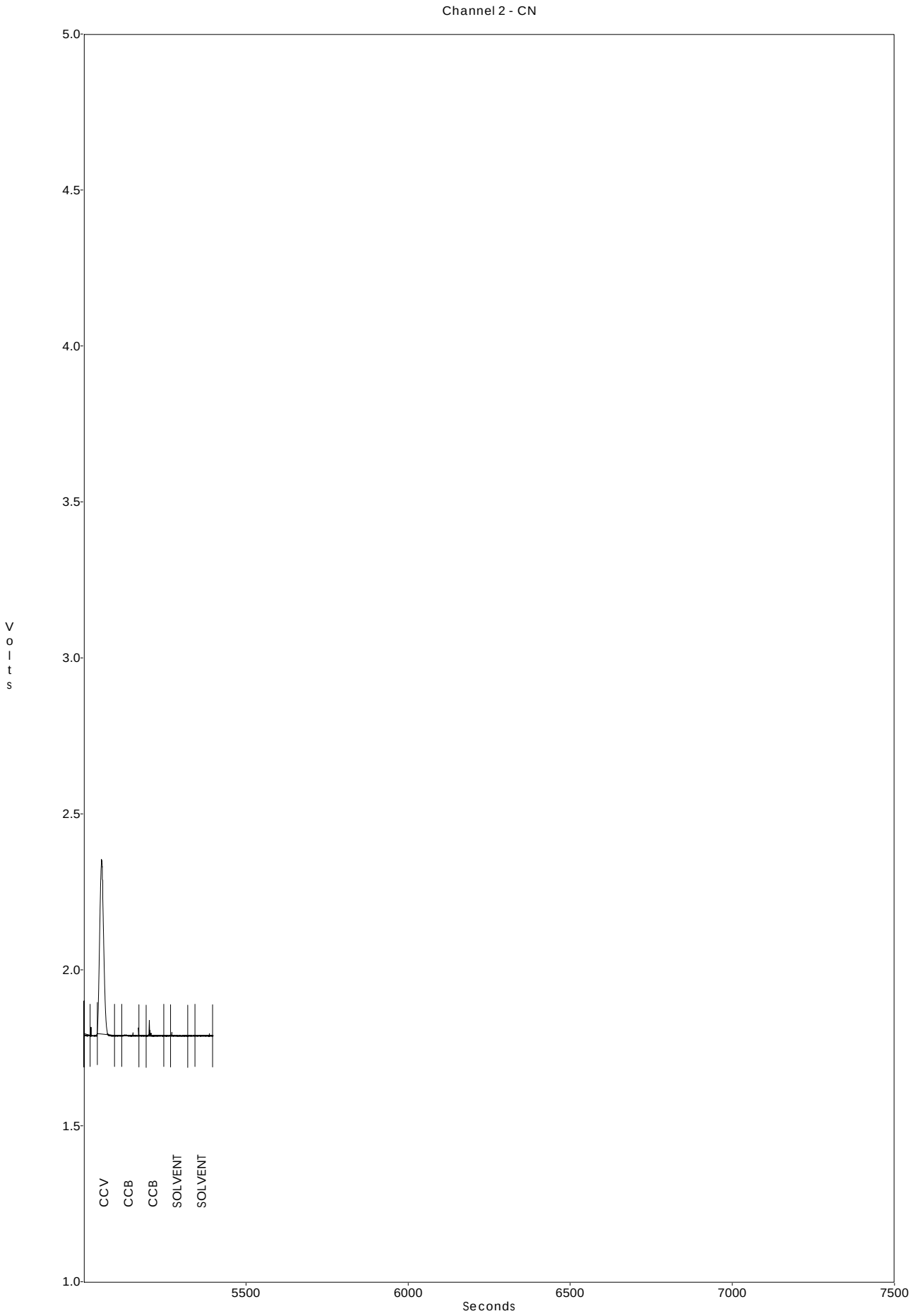
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Modified: Jul 17, 2014 11:42:36
ANALYSIS: CN ANALYST: JMW
DATA DESCRIPTION:
Created: Jul 17, 2014 11:43:15
Modified: Jul 17, 2014 11:43:15

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg/L)	Man Dil Factor	Weight	Unit
1	ICV	17 Jul 2014	12:02:07	2	0.21188	1.0	1.00000	g
2	ICB	17 Jul 2014	12:04:37	2	-0.00141	1.0	1.00000	g
3	CCV	17 Jul 2014	12:07:08	2	0.15312	1.0	1.00000	g
4	CCB	17 Jul 2014	12:09:37	2	-0.00191	1.0	1.00000	g
5	MB-78095~PBS	17 Jul 2014	12:12:08	2	-0.00148	1.0	1.00000	g
6	LCS-78095~LCS	17 Jul 2014	12:14:38	2	0.09527	1.0	1.00000	g
7	N1152-06BPDS~WL-E-T3	17 Jul 2014	12:17:09	2	0.09981	1.0	1.00000	g
8	N1176-06APDS~SB-06-10-070714	17 Jul 2014	12:19:40	2	0.11737	1.0	1.00000	g
9	N1176-21APDS~SB-10-10-070814A	17 Jul 2014	12:22:12	2	0.19776	1.0	1.00000	g
10	N1181-12APDS~SS-FD-02-070914	17 Jul 2014	12:24:42	2	0.16255	1.0	1.00000	g
11	N1194-01A~SS-11-071014	17 Jul 2014	12:27:13	2	0.04548	1.0	1.00000	g
12	N1194-01ADUP~SS-11-071014D	17 Jul 2014	12:29:44	2	0.00290	1.0	1.00000	g
13	N1194-01AMS~SS-11-071014S	17 Jul 2014	12:32:14	2	0.16789	1.0	1.00000	g
14	CCV	17 Jul 2014	12:34:45	2	0.15183	1.0	1.00000	g
15	CCB	17 Jul 2014	12:37:16	2	-0.00118	1.0	1.00000	g
16	N1194-01APDS~SS-11-071014	17 Jul 2014	12:39:47	2	0.14279	1.0	1.00000	g
17	N1194-02A~SS-12-071014	17 Jul 2014	12:42:18	2	0.07764	1.0	1.00000	g
18	N1194-03A~SS-13-071014	17 Jul 2014	12:44:48	2	0.11207	1.0	1.00000	g
19	N1194-04A~SS-14-071014	17 Jul 2014	12:47:18	2	0.03944	1.0	1.00000	g
20	N1194-05A~SS-15-071014	17 Jul 2014	12:49:49	2	0.14249	1.0	1.00000	g
21	N1194-06A~SS-16-071014	17 Jul 2014	12:52:19	2	0.09648	1.0	1.00000	g
22	N1194-07A~SS-17-071014	17 Jul 2014	12:54:50	2	0.10546	1.0	1.00000	g
23	N1194-08A~SS-18-071014	17 Jul 2014	12:57:21	2	0.11112	1.0	1.00000	g
24	N1194-09A~SS-19-071014	17 Jul 2014	12:59:52	2	0.03209	1.0	1.00000	g
25	N1194-10A~SS-20-071014	17 Jul 2014	13:02:23	2	0.00278	1.0	1.00000	g
26	CCV	17 Jul 2014	13:04:55	2	0.15196	1.0	1.00000	g
27	CCB	17 Jul 2014	13:07:26	2	-0.00192	1.0	1.00000	g
28	SOLVENT	17 Jul 2014	13:09:57	2	-0.00157	1.0	1.00000	g


Channel 2 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0
500
1000
1500
2000
2500
Seconds
S0
S0
S0.01
S0.01
S0.025
S0.025
S0.050
S0.050
S0.1
S0.1
S0.2
S0.2
S0.3
S0.3
ICV
ICV
ICB
ICB
CCV
CCV
CCB
CCB
MB-78095~PBS
MB-78095~PBS
LCS-78095~LCS
LCS-78095~LCS
N1152-06BPDS~WL-E-T3
N1152-06BPDS~WL-E-T3
N1176-06APDS~SB-06-10-070714
N1176-06APDS~SB-06-10-070714
N1176-21APDS~SB-10-10-070814A

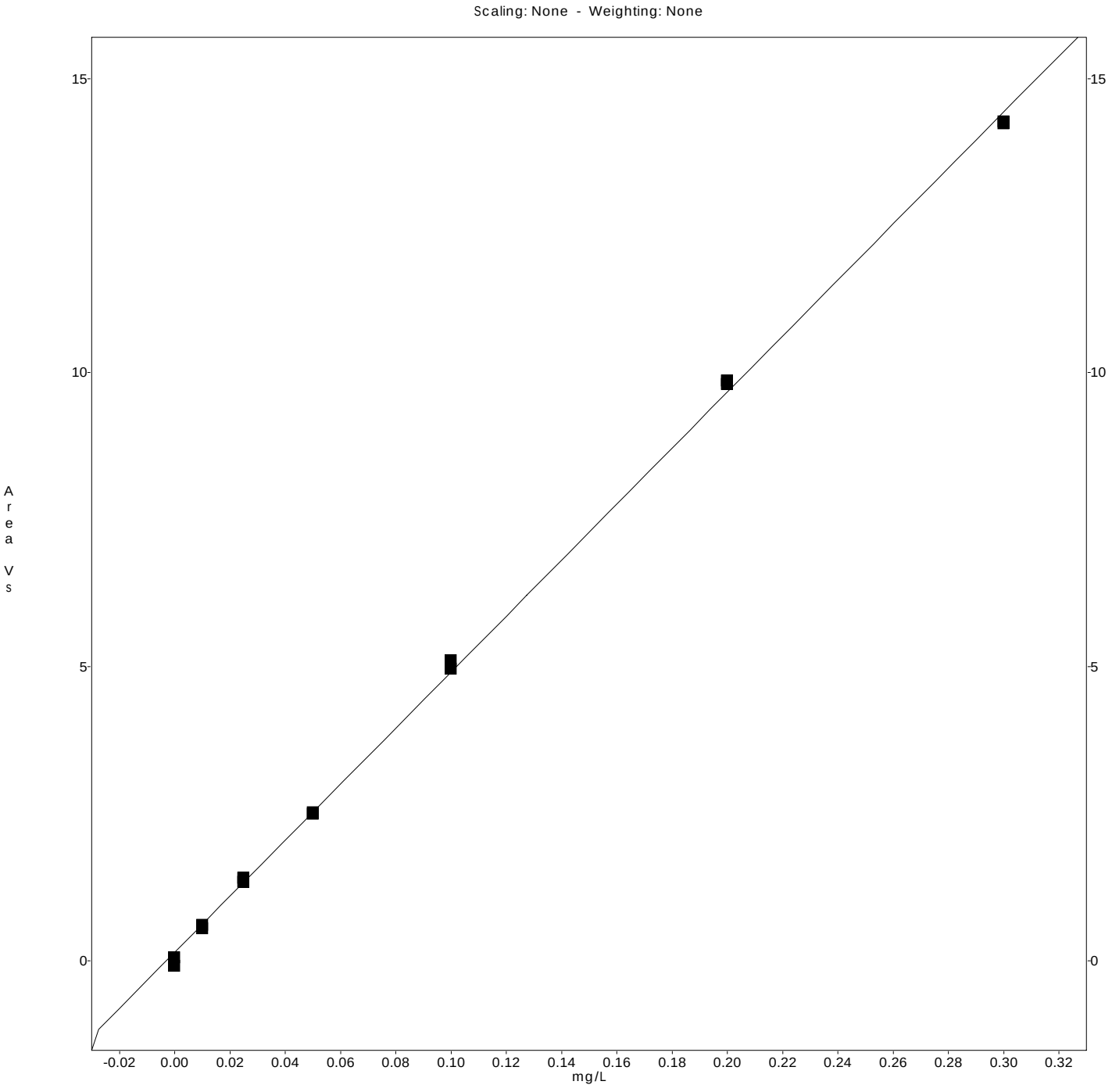

Channel 2 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
3000
3500
4000
4500
5000
Seconds
N1176-21APDS~SB-10-10-070814A
N1181-12APDS~SS-FD-02-070914
N1181-12APDS~SS-FD-02-070914
N1194-01A~SS-11-071014
N1194-01A~SS-11-071014
N1194-01ADUP~SS-11-071014D
N1194-01ADUP~SS-11-071014D
N1194-01AMS~SS-11-071014S
N1194-01AMS~SS-11-071014S
CCV
CCV
CCB
CCB
N1194-01APDS~SS-11-071014
N1194-01APDS~SS-11-071014
N1194-02A~SS-12-071014
N1194-02A~SS-12-071014
N1194-03A~SS-13-071014
N1194-03A~SS-13-071014
N1194-04A~SS-14-071014
N1194-04A~SS-14-071014
N1194-05A~SS-15-071014
N1194-05A~SS-15-071014
N1194-06A~SS-16-071014
N1194-06A~SS-16-071014
N1194-07A~SS-17-071014
N1194-07A~SS-17-071014
N1194-08A~SS-18-071014
N1194-08A~SS-18-071014
N1194-09A~SS-19-071014
N1194-09A~SS-19-071014
N1194-10A~SS-20-071014
N1194-10A~SS-20-071014
CCV


Channel 2 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
CCV
CCB
CCB
SOLVENT
SOLVENT
5500
6000
6500
7000
7500
Seconds

CN

Lvl	Area	mg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	-5029	0.000	67873	-77931				103099.0	-2049.9	
2	586988	0.010	618017	555958				43882.2	7.5	7.0
3	1384118	0.025	1352639	1415597				44517.9	3.2	-4.1
4	2518350	0.050	2533250	2503451				21071.3	0.8	0.3
5	5044715	0.100	5119516	4969914				105784.9	2.1	-2.9
6	9843120	0.200	9811267	9874973				45046.9	0.5	-1.8
7	14262864	0.300	14245440	14280287				24640.6	0.2	1.2

1st Order Poly
Conc = 2.100e-008 Area - 3.025e-003
r = 0.9997



Printed: Monday, July 21, 2014 - 09:13 AM

OPERATOR: jwhiteley
ACQ. TIME: Jul 18, 2014 13:14:23
DATA FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718A.FDT
METHOD FILENAME: D:\WETCHE~1\LACHAT1\2014\METHODS\C140718G.MET
TRAY FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718A.TRA

TRAY DESCRIPTION:
Created: Jul 18, 2014 13:13:41
Modified: Jul 18, 2014 13:13:41
ANALYSIS: CN ANALYST: JMW
DATA DESCRIPTION:
Created: Jul 18, 2014 13:14:23
Modified: Jul 18, 2014 13:14:23

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (uv-s)	Man Dil Factor	Weight	Unit
1	S0	18 Jul 2014	13:14:40	2	-5029.43	1.0	1.00000	g
2	S0.01	18 Jul 2014	13:17:10	2	586987.75	1.0	1.00000	g
3	S0.025	18 Jul 2014	13:19:40	2	1384117.75	1.0	1.00000	g
4	S0.050	18 Jul 2014	13:22:11	2	2518350.13	1.0	1.00000	g
5	S0.1	18 Jul 2014	13:24:41	2	5044714.75	1.0	1.00000	g
6	S0.2	18 Jul 2014	13:27:12	2	9843120.00	1.0	1.00000	g
7	S0.3	18 Jul 2014	13:29:44	2	14262863.50	1.0	1.00000	g

OPERATOR: jwhiteley
ACQ. TIME: Jul 18, 2014 13:14:23
DATA FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718A.FDT
METHOD FILENAME: D:\WETCHE~1\LACHAT1\2014\METHODS\C140718G.MET
TRAY FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718A.TRA

TRAY DESCRIPTION:
Created: Jul 18, 2014 13:13:41
Modified: Jul 18, 2014 13:13:41
ANALYSIS: CN ANALYST: JMW
DATA DESCRIPTION:
Created: Jul 18, 2014 13:14:23
Modified: Jul 18, 2014 13:14:23

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg/L)	Man Dil Factor	Weight	Unit
1	ICV	18 Jul 2014	13:33:13	2	0.21048	1.0	1.00000	g
2	ICB	18 Jul 2014	13:35:45	2	-0.00397	1.0	1.00000	g
3	CCV	18 Jul 2014	13:38:15	2	0.15498	1.0	1.00000	g
4	CCB	18 Jul 2014	13:40:46	2	-0.00235	1.0	1.00000	g
5	MB-78113~PBS	18 Jul 2014	13:43:16	2	-0.00194	1.0	1.00000	g
6	LCS-78113~LCS	18 Jul 2014	13:45:47	2	0.11068	1.0	1.00000	g
7	N1194-12A~SS-21-071014	18 Jul 2014	13:48:18	2	0.06924	1.0	1.00000	g
8	N1194-13A~SS-22-071014	18 Jul 2014	13:50:49	2	0.08260	1.0	1.00000	g
9	N1194-14A~SS-23-071014	18 Jul 2014	13:53:20	2	0.09011	1.0	1.00000	g
10	N1194-14ADUP~SS-23-071014D	18 Jul 2014	13:55:51	2	0.07030	1.0	1.00000	g
11	N1194-14AMS~SS-23-071014S	18 Jul 2014	13:58:21	2	0.20406	1.0	1.00000	g
12	N1194-14APDS~SS-23-071014	18 Jul 2014	14:00:51	1	0.20612	1.0	1.00000	g
13	N1194-15A~SS-24-071014	18 Jul 2014	14:02:08	2	0.02190	1.0	1.00000	g
14	N1194-16A~SS-FD-03-071014	18 Jul 2014	14:04:38	2	0.03072	1.0	1.00000	g
15	CCV	18 Jul 2014	14:07:09	2	0.15601	1.0	1.00000	g
16	CCB	18 Jul 2014	14:09:40	2	-0.00227	1.0	1.00000	g
17	N1194-17A~SS-25-071014	18 Jul 2014	14:12:11	2	0.00226	1.0	1.00000	g
18	N1194-18A~SS-26-071014	18 Jul 2014	14:14:42	2	0.04954	1.0	1.00000	g
19	N1194-19A~SS-27-071014	18 Jul 2014	14:17:13	2	0.09365	1.0	1.00000	g
20	N1194-20A~SS-28-071014	18 Jul 2014	14:19:44	2	0.08039	1.0	1.00000	g
21	N1194-21A~SS-29-071014	18 Jul 2014	14:22:14	2	0.12438	1.0	1.00000	g
22	N1194-22A~SS-30-071014	18 Jul 2014	14:24:45	2	0.00332	1.0	1.00000	g
23	N1194-23A~SS-31-071014	18 Jul 2014	14:27:14	2	0.04223	1.0	1.00000	g
24	N1194-24A~SS-32-071014	18 Jul 2014	14:29:44	2	0.00337	1.0	1.00000	g
25	N1195-02B~PILE 3 COMPOSITE	18 Jul 2014	14:32:15	2	-0.00169	1.0	1.00000	g
26	CCV	18 Jul 2014	14:34:45	2	0.15431	1.0	1.00000	g
27	CCB	18 Jul 2014	14:37:16	2	-0.00182	1.0	1.00000	g
28	MB-78123~PBW	18 Jul 2014	14:39:47	2	-0.00200	1.0	1.00000	g
29	LCS-78123~LCS	18 Jul 2014	14:42:18	2	0.10969	1.0	1.00000	g
30	LCSD-78123~LCSD	18 Jul 2014	14:44:50	2	0.11041	1.0	1.00000	g

OPERATOR: jwhiteley
ACQ. TIME: Jul 18, 2014 13:14:23
DATA FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718A.FDT
METHOD FILENAME: D:\WETCHE~1\LACHAT1\2014\METHODS\C140718G.MET
TRAY FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718A.TRA

TRAY DESCRIPTION:
Created: Jul 18, 2014 13:13:41
Modified: Jul 18, 2014 13:13:41
ANALYSIS: CN ANALYST: JMW
DATA DESCRIPTION:
Created: Jul 18, 2014 13:14:23
Modified: Jul 18, 2014 13:14:23

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 31 to 60

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg/L)	Man Dil Factor	Weight	Unit
31	N1178-02D~98436	18 Jul 2014	14:47:21	2	-0.00265	1.0	1.00000	g
32	N1178-03D~95323	18 Jul 2014	14:49:52	2	-0.00220	1.0	1.00000	g
33	N1178-04D~98437	18 Jul 2014	14:52:22	2	-0.00169	1.0	1.00000	g
34	N1178-05D~72151M	18 Jul 2014	14:54:52	2	-0.00104	1.0	1.00000	g
35	N1194-11C~GW-TP-01-071014	18 Jul 2014	14:57:23	2	0.05175	1.0	1.00000	g
36	N1194-25C~GW-TP-03-071014	18 Jul 2014	14:59:53	2	0.10449	1.0	1.00000	g
37	CCV	18 Jul 2014	15:02:24	2	0.15164	1.0	1.00000	g
38	CCB	18 Jul 2014	15:04:55	2	-0.00544	1.0	1.00000	g
39	N1194-26C~GW-TP-02-071014	18 Jul 2014	15:07:26	2	-0.00242	1.0	1.00000	g
40	N1194-27C~FB-01-071014	18 Jul 2014	15:09:56	2	-0.00264	1.0	1.00000	g
41	N1205-06C~GW-TP-08-071114	18 Jul 2014	15:12:26	2	1.86405	1.0	1.00000	g
42	N1205-07C~GW-DUP-01-071114	18 Jul 2014	15:14:57	2	1.82054	1.0	1.00000	g
43	N1205-08C~FB-01-071114	18 Jul 2014	15:17:27	2	0.00151	1.0	1.00000	g
44	N1208-08C~GW-TP-10-071414	18 Jul 2014	15:19:58	2	2.05696	1.0	1.00000	g
45	N1208-09C~GW-TP-11-071414	18 Jul 2014	15:22:28	2	0.25191	1.0	1.00000	g
46	N1208-10C~FB-03-071414	18 Jul 2014	15:24:58	2	-0.00018	1.0	1.00000	g
47	N1208-11C~GW-TP-09-071414	18 Jul 2014	15:27:29	2	0.04995	1.0	1.00000	g
48	CCV	18 Jul 2014	15:30:00	2	0.14693	1.0	1.00000	g
49	CCB	18 Jul 2014	15:32:31	2	-0.00190	1.0	1.00000	g
50	N1208-12C~GW-FD-02-071414	18 Jul 2014	15:35:02	2	0.02731	1.0	1.00000	g
51	MB-78139~PBS	18 Jul 2014	15:37:33	2	-0.00260	1.0	1.00000	g
52	LCS-78139~LCS	18 Jul 2014	15:40:03	2	-0.00067	1.0	1.00000	g
53	LCSD-78139~LCSD	18 Jul 2014	15:42:33	2	0.00281	1.0	1.00000	g
54	N1229-01A~DISP-CB7CB8	18 Jul 2014	15:45:04	2	-0.00281	1.0	1.00000	g
55	CCV	18 Jul 2014	15:47:35	2	0.14863	1.0	1.00000	g
56	CCB	18 Jul 2014	15:50:05	2	-0.00230	1.0	1.00000	g
57	SOLVENT	18 Jul 2014	15:52:35	2	-0.00116	1.0	1.00000	g

OPERATOR: jwhiteley
ACQ. TIME: Jul 18, 2014 16:03:27
DATA FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718B.FDT
METHOD FILENAME: D:\WETCHE~1\LACHAT1\2014\METHODS\C140718G.MET
TRAY FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718B.TRA

TRAY DESCRIPTION:
Created: Jul 18, 2014 16:02:00
Modified: Jul 18, 2014 16:02:00
ANALYSIS: CN ANALYST: JMW
DATA DESCRIPTION:
Created: Jul 18, 2014 16:03:27
Modified: Jul 18, 2014 16:03:27

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 61 to 90

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg/L)	Man Dil Factor	Weight	Unit
79	N1205-06C~GW-TP-08-071114	18 Jul 2014	16:04:13	2	0.43200	1.0	1.00000	g
80	N1205-07C~GW-DUP-01-071114	18 Jul 2014	16:06:43	2	0.41594	1.0	1.00000	g
81	N1208-08C~GW-TP-10-071414	18 Jul 2014	16:09:13	2	1.19451	1.0	1.00000	g
82	CCV	18 Jul 2014	16:11:44	2	0.15529	1.0	1.00000	g
83	CCB	18 Jul 2014	16:14:16	2	-0.00265	1.0	1.00000	g
84	SOLVENT	18 Jul 2014	16:16:47	2	-0.00249	1.0	1.00000	g

OPERATOR: jwhiteley
ACQ. TIME: Jul 18, 2014 16:35:45
DATA FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718C.FDT
METHOD FILENAME: D:\WETCHE~1\LACHAT1\2014\METHODS\C140718G.MET
TRAY FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718C.TRA

TRAY DESCRIPTION:
Created: Jul 18, 2014 16:35:12
Modified: Jul 18, 2014 16:35:12
ANALYSIS: CN ANALYST: JMW
DATA DESCRIPTION:
Created: Jul 18, 2014 16:35:45
Modified: Jul 18, 2014 16:35:45

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 61 to 90

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg/L)	Man Dil Factor	Weight	Unit
79	N1205-06C~GW-TP-08-071114 20X	18 Jul 2014	16:36:23	2	0.21891	1.0	1.00000	g
80	N1205-07C~GW-DUP-01-071114 20	18 Jul 2014	16:38:53	2	0.21695	1.0	1.00000	g
81	N1208-08C~GW-TP-10-071414 50X	18 Jul 2014	16:41:24	2	0.31611	1.0	1.00000	g
82	CCV	18 Jul 2014	16:43:54	2	0.15516	1.0	1.00000	g
83	CCB	18 Jul 2014	16:46:24	2	-0.00099	1.0	1.00000	g
84	SOLVENT	18 Jul 2014	16:48:56	2	-0.00384	1.0	1.00000	g

OPERATOR: jwhiteley
ACQ. TIME: Jul 18, 2014 16:57:48
DATA FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718D.FDT
METHOD FILENAME: D:\WETCHE~1\LACHAT1\2014\METHODS\C140718G.MET
TRAY FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718D.TRA

TRAY DESCRIPTION:
Created: Jul 18, 2014 16:57:21
Modified: Jul 18, 2014 16:57:21
ANALYSIS: CN ANALYST: JMW
DATA DESCRIPTION:
Created: Jul 18, 2014 16:57:48
Modified: Jul 18, 2014 16:57:48

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 61 to 90

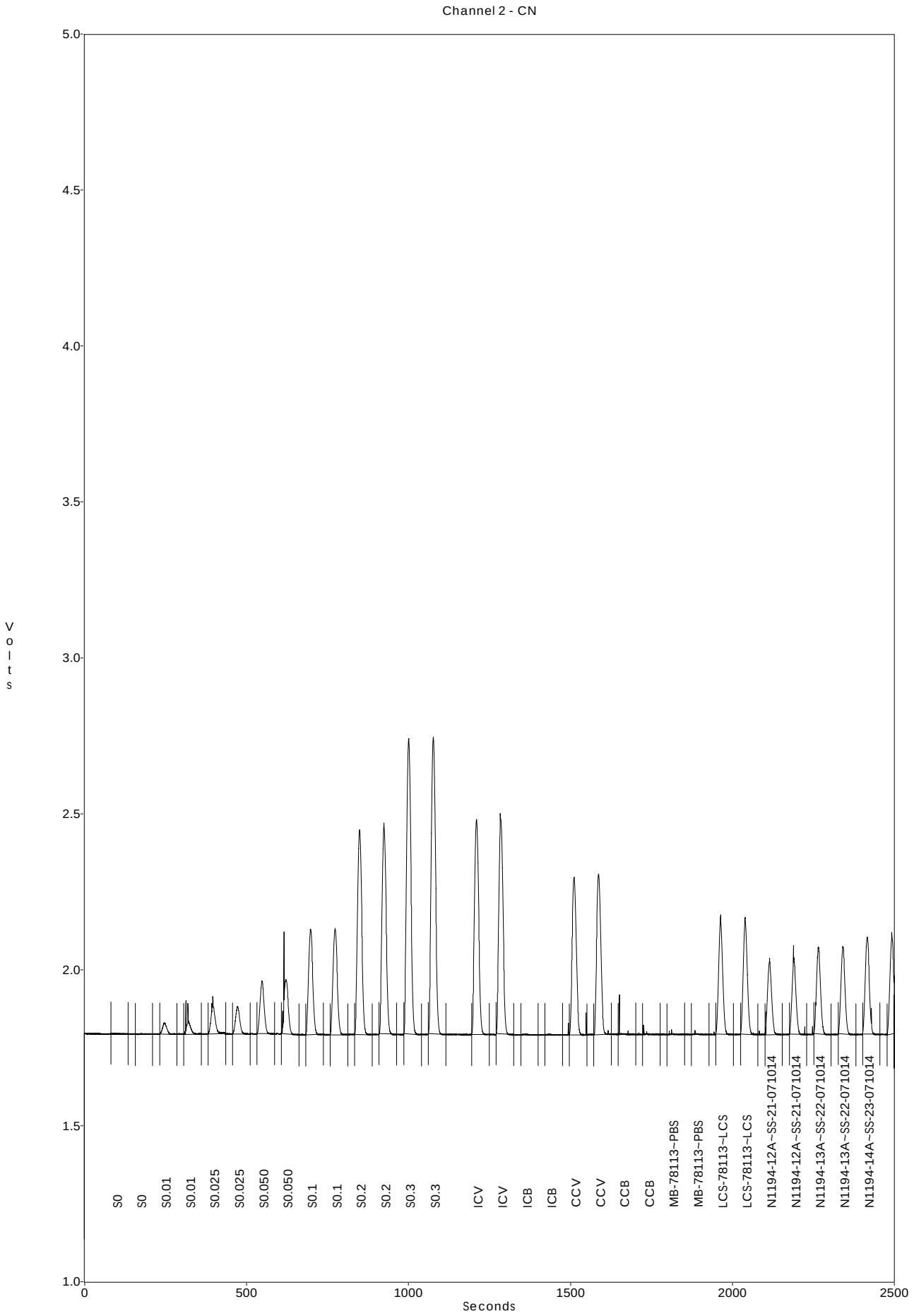
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg/L)	Man Dil Factor	Weight	Unit
67	N1208-08C~GW-TP-10-071414 100	18 Jul 2014	16:58:22	2	0.30069	1.0	1.00000	g
68	CCV	18 Jul 2014	17:00:53	2	0.15442	1.0	1.00000	g
69	CCB	18 Jul 2014	17:03:24	2	-0.00303	1.0	1.00000	g
70	SOLVENT	18 Jul 2014	17:05:54	2	-0.00166	1.0	1.00000	g

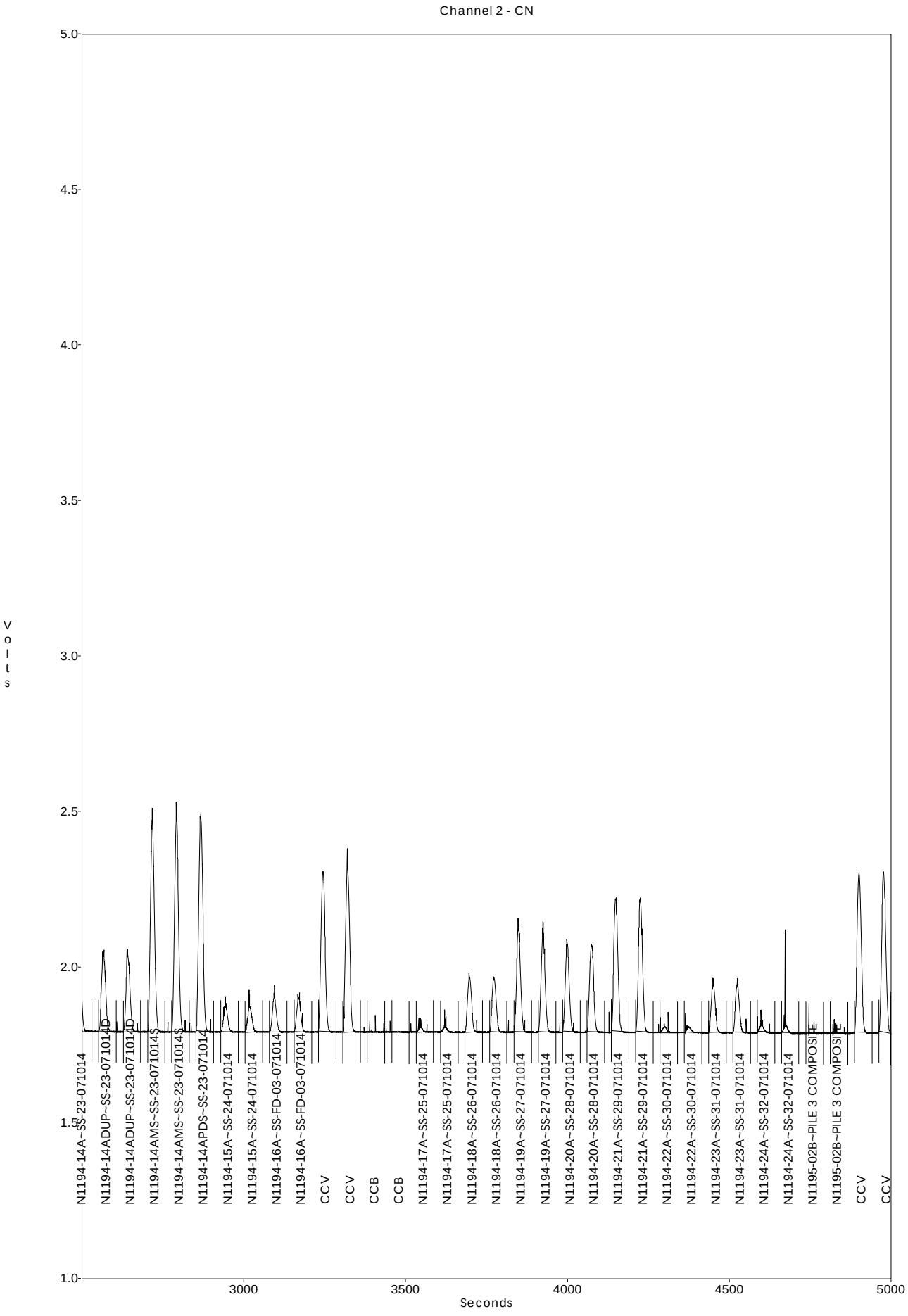
OPERATOR: jwhiteley
ACQ. TIME: Jul 18, 2014 17:17:46
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METHOD FILENAME: D:\WETCHE~1\LACHAT1\2014\METHODS\C140718G.MET
TRAY FILENAME: D:\WETCHE~1\LACHAT1\2014\TRAYS\C140718E.TRA

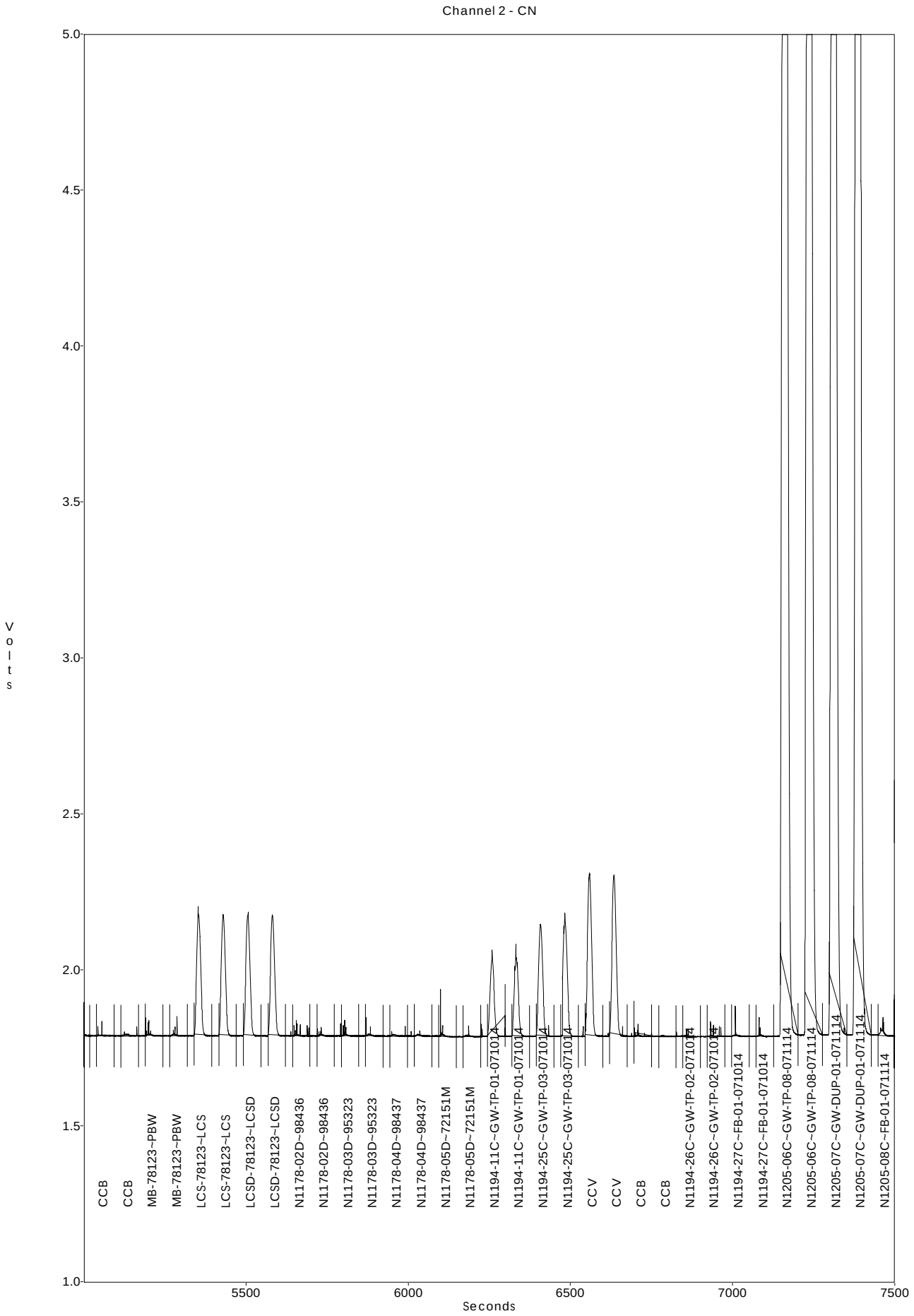
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Modified: Jul 18, 2014 17:17:24
ANALYSIS: CN ANALYST: JMW
DATA DESCRIPTION:
Created: Jul 18, 2014 17:17:46
Modified: Jul 18, 2014 17:17:46

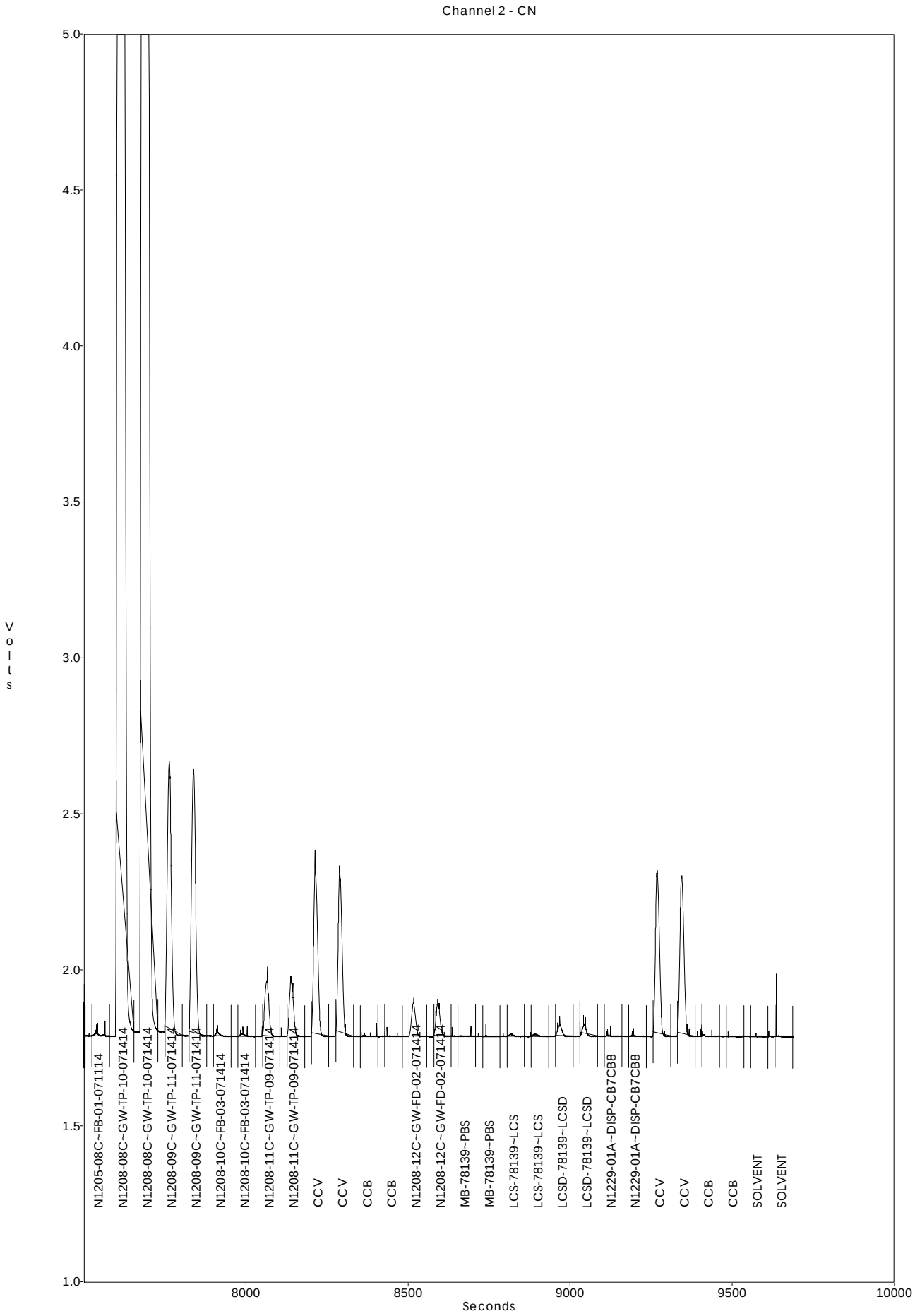
Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 61 to 90

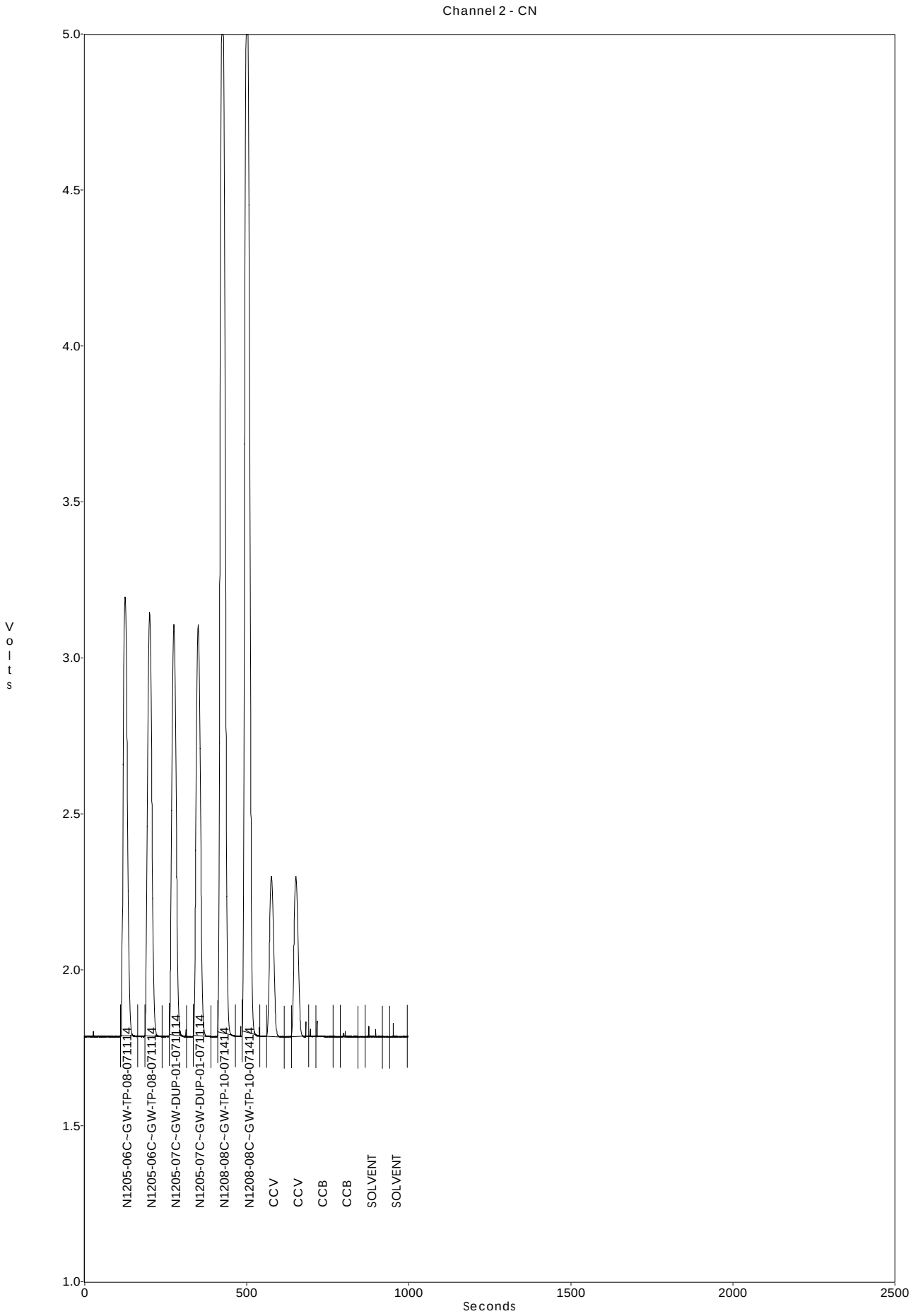
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg/L)	Man Dil Factor	Weight	Unit
61	N1208-08C~GW-TP-10-071414 200	18 Jul 2014	17:18:23	2	0.08266	1.0	1.00000	g
62	CCV	18 Jul 2014	17:20:53	2	0.15124	1.0	1.00000	g
63	CCB	18 Jul 2014	17:23:23	2	-0.00230	1.0	1.00000	g
64	SOLVENT	18 Jul 2014	17:25:54	2	-0.00243	1.0	1.00000	g

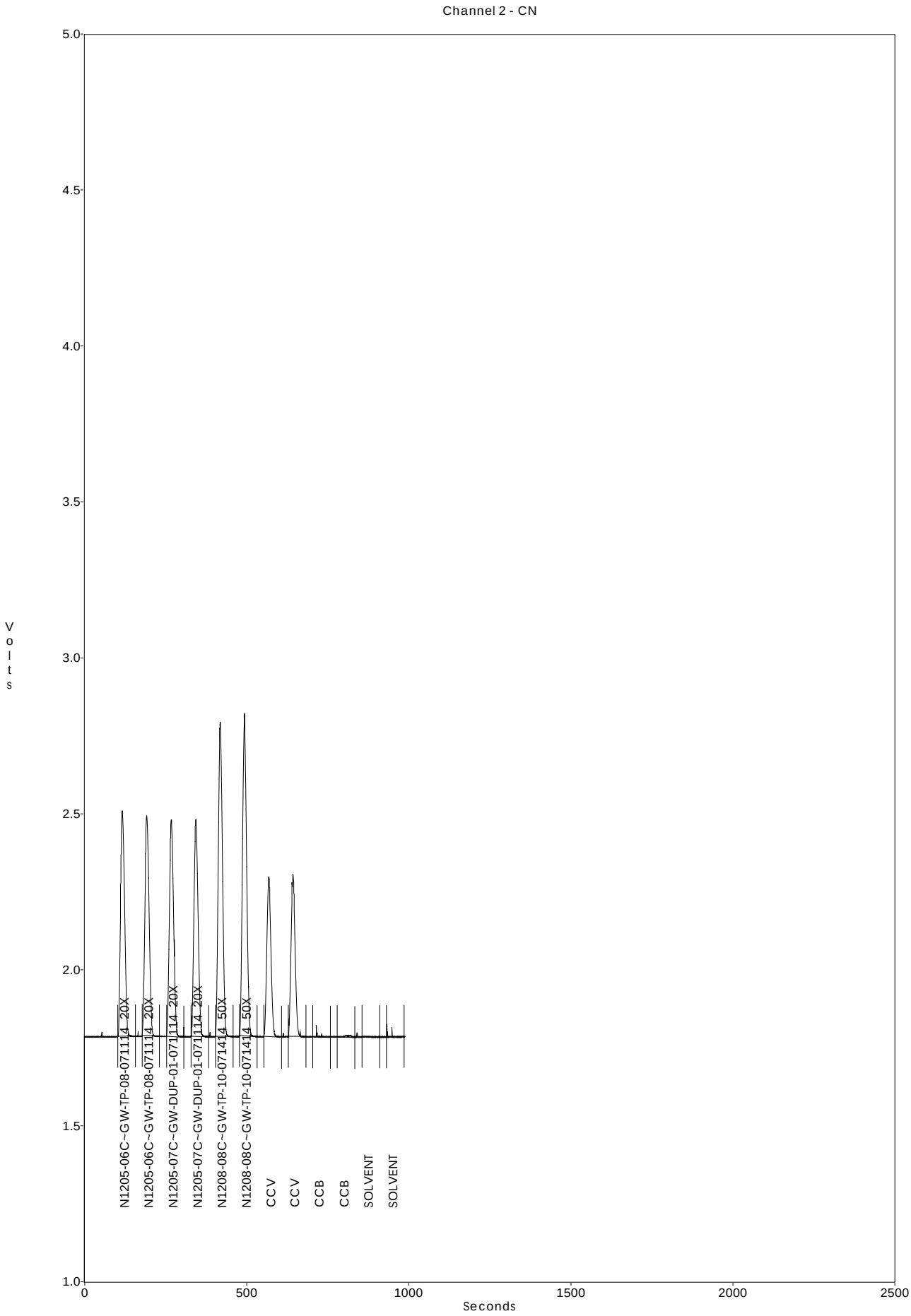

Channel 2 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0
500
1000
1500
2000
2500
Seconds
S0
S0
S0.01
S0.01
S0.025
S0.025
S0.050
S0.050
S0.1
S0.1
S0.2
S0.2
S0.3
S0.3
ICV
ICV
ICB
ICB
CCV
CCV
CCB
CCB
MB-78113-PBS
MB-78113-PBS
LCS-78113-LCS
LCS-78113-LCS
N1194-12A-SS-21-071014
N1194-12A-SS-21-071014
N1194-13A-SS-22-071014
N1194-13A-SS-22-071014
N1194-14A-SS-23-071014

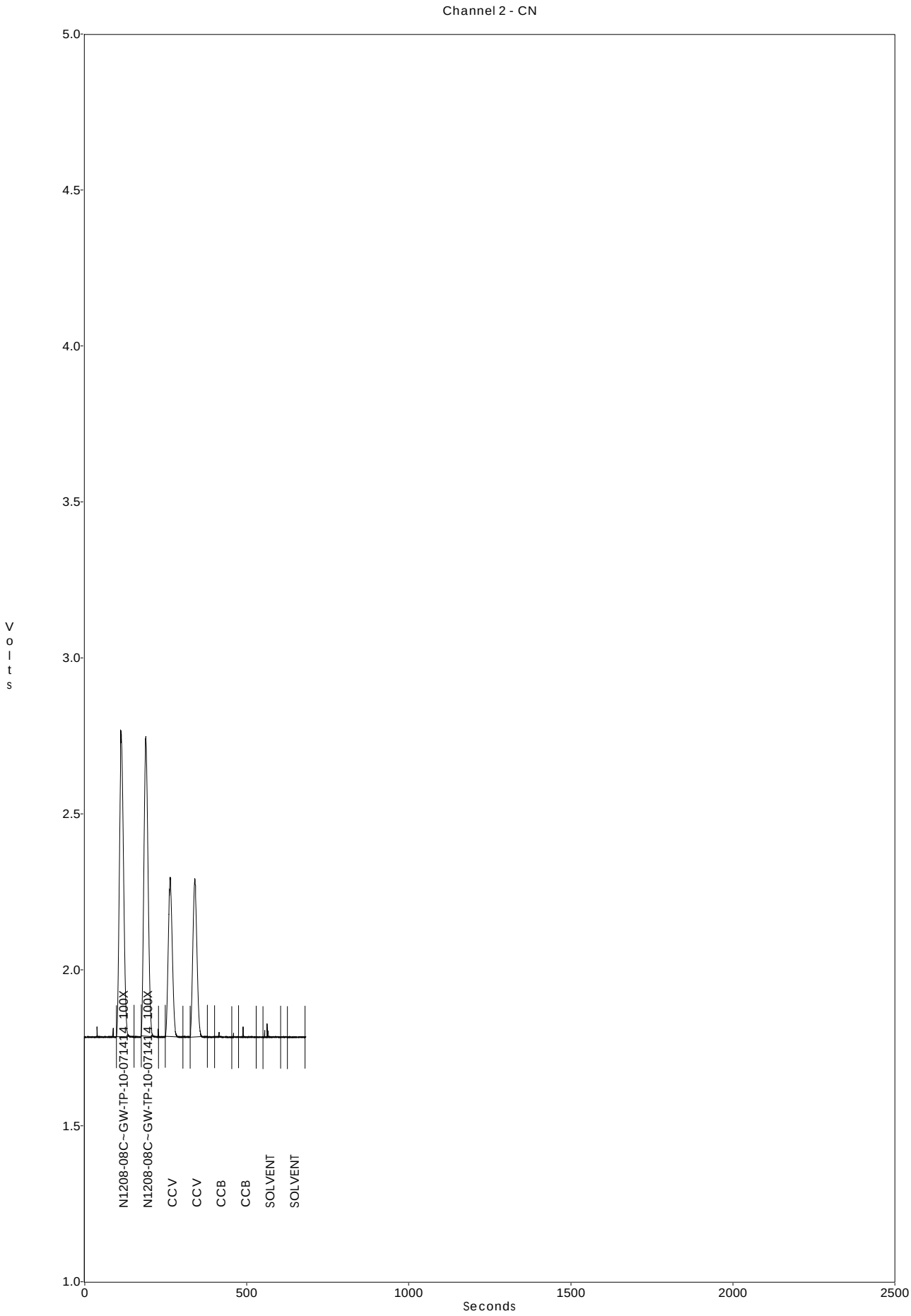

Channel 2 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
3000
3500
4000
4500
5000
Seconds
N1194-14A~SS-23-071014
N1194-14ADUP~SS-23-071014D
N1194-14ADUP~SS-23-071014D
N1194-14AMS~SS-23-071014S
N1194-14AMS~SS-23-071014S
N1194-14APDS~SS-23-071014
N1194-15A~SS-24-071014
N1194-15A~SS-24-071014
N1194-16A~SS-FD-03-071014
N1194-16A~SS-FD-03-071014
CCV
CCV
CCB
CCB
N1194-17A~SS-25-071014
N1194-17A~SS-25-071014
N1194-18A~SS-26-071014
N1194-18A~SS-26-071014
N1194-19A~SS-27-071014
N1194-19A~SS-27-071014
N1194-20A~SS-28-071014
N1194-20A~SS-28-071014
N1194-21A~SS-29-071014
N1194-21A~SS-29-071014
N1194-22A~SS-30-071014
N1194-22A~SS-30-071014
N1194-23A~SS-31-071014
N1194-23A~SS-31-071014
N1194-24A~SS-32-071014
N1194-24A~SS-32-071014
N1195-02B~PILE 3 COMPOSITE
N1195-02B~PILE 3 COMPOSITE
CCV
CCV

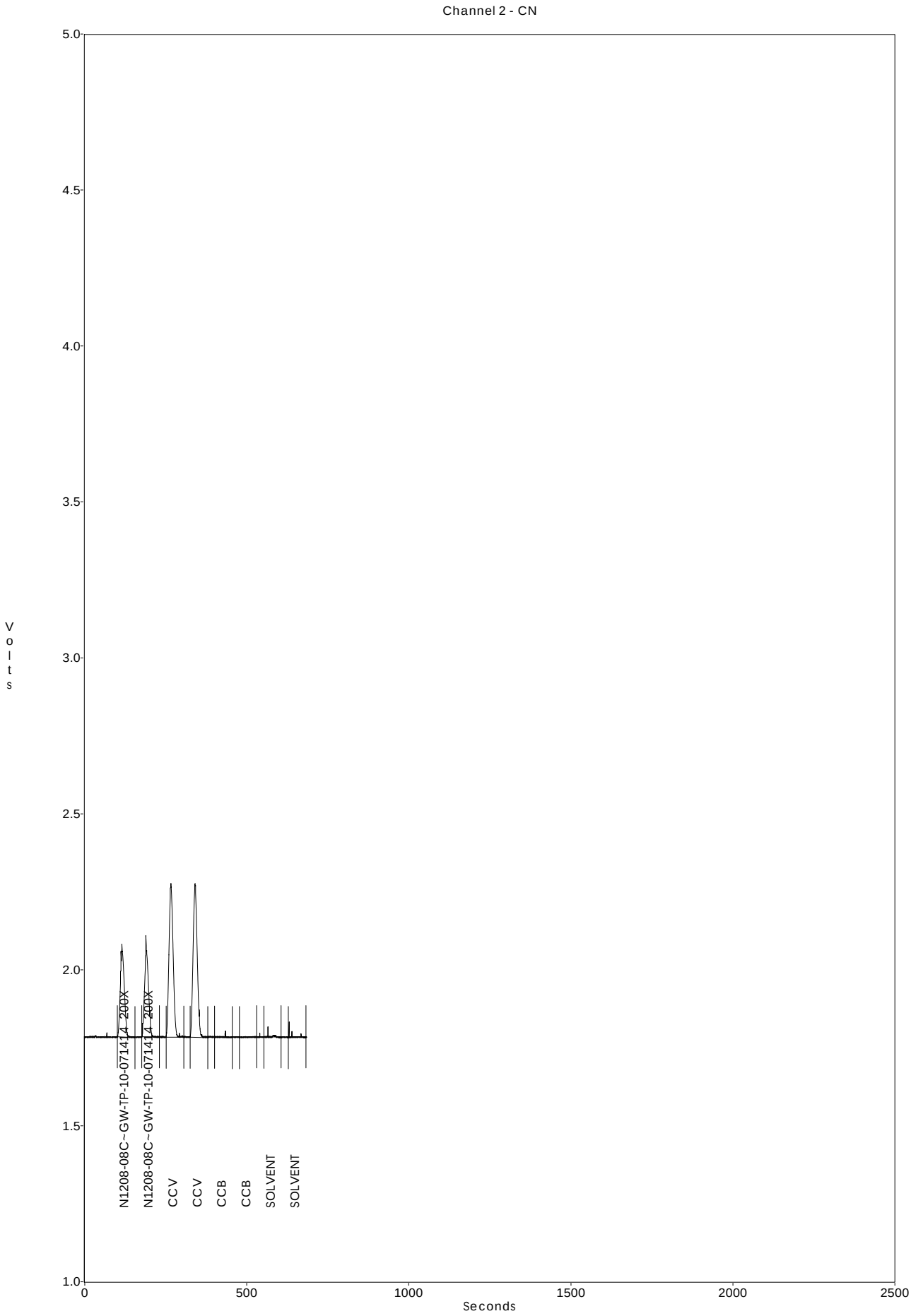

Channel 2 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
5500
6000
6500
7000
7500
Seconds
CCB
CCB
MB-78123-PBW
MB-78123-PBW
LCS-78123-LCS
LCS-78123-LCS
LCSD-78123-LCSD
LCSD-78123-LCSD
N1178-02D-98436
N1178-02D-98436
N1178-03D-95323
N1178-03D-95323
N1178-04D-98437
N1178-04D-98437
N1178-05D-72151M
N1178-05D-72151M
N1194-11C-GW-TP-01-071014
N1194-11C-GW-TP-01-071014
N1194-25C-GW-TP-03-071014
N1194-25C-GW-TP-03-071014
CCV
CCV
CCB
CCB
N1194-26C-GW-TP-02-071014
N1194-26C-GW-TP-02-071014
N1194-27C-FB-01-071014
N1194-27C-FB-01-071014
N1205-06C-GW-TP-08-071114
N1205-06C-GW-TP-08-071114
N1205-07C-GW-DUP-01-071114
N1205-07C-GW-DUP-01-071114
N1205-08C-FB-01-071114


Channel 2 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
8000
8500
9000
9500
10000
Seconds
N1205-08C~FB-01-071114
N1208-08C~GW-TP-10-071414
N1208-08C~GW-TP-10-071414
N1208-09C~GW-TP-11-071414
N1208-09C~GW-TP-11-071414
N1208-10C~FB-03-071414
N1208-10C~FB-03-071414
N1208-11C~GW-TP-09-071414
N1208-11C~GW-TP-09-071414
CCV
CCV
CCB
CCB
N1208-12C~GW-FD-02-071414
N1208-12C~GW-FD-02-071414
MB-78139~PBS
MB-78139~PBS
LCS-78139~LCS
LCS-78139~LCS
LCSD-78139~LCSD
LCSD-78139~LCSD
N1229-01A~DISP-CB7CB8
N1229-01A~DISP-CB7CB8
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT


Channel 2 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0
500
1000
1500
2000
2500
Seconds
N1205-06C~GW-TP-08-071114
N1205-06C~GW-TP-08-071114
N1205-07C~GW-DUP-01-071114
N1205-07C~GW-DUP-01-071114
N1208-08C~GW-TP-10-071414
N1208-08C~GW-TP-10-071414
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT


Channel 2 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0
500
1000
1500
2000
2500
Seconds
N1205-06C~GW-TP-08-071114 20X
N1205-06C~GW-TP-08-071114 20X
N1205-07C~GW-DUP-01-071114 20X
N1205-07C~GW-DUP-01-071114 20X
N1208-08C~GW-TP-10-071414 50X
N1208-08C~GW-TP-10-071414 50X
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT


Channel 2 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
0
500
1000
1500
2000
2500
Seconds
N1208-08C~GW-TP-10-071414 100X
N1208-08C~GW-TP-10-071414 100X
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT


Channel 2 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
0
500
1000
1500
2000
2500
Seconds
N1208-08C~GW-TP-10-071414 200X
N1208-08C~GW-TP-10-071414 250X
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

PREP BATCH REPORT

N1194

Prep Start Date: **07/11/2014 14:30**
Prep End Date: **07/11/2014 17:30**
Prep Batch ID: **78052**

Prep Code: **ICP_W_PR**
Technician: **David T Camara**

Prep Type: **3005A/SW3005A**

Prep Factor Units: **mL / mL**

QC Matrix: N/A
QC Matrix Lot: N/A

Conc HNO3 **113120**
Conc HNO3 (mL): **1.0**

Reagent 3 Lot: N/A
Reagent 3 (mL): N/A

Reagent 5 Lot: N/A
Reagent 5 (mL): N/A

Review BD 7/12/14

Filter?: N/A
Filter Lot: N/A

Conc HCl **4113083**
Conc HCl (mL): **2.5**

Reagent 4 Lot: N/A
Reagent 4 (mL): N/A

Reagent 6 Lot: N/A
Reagent 6 (mL): N/A

Block Temp (C): **97.0**
Corr Fac: **0.0**

Digestion Start Time 1: **07/11/2014 14:30**
Digestion End Time 1: **07/11/2014 17:30**

Digestion Start Time 2: N/A
Digestion End Time 2: N/A

Therm ID1: **MT-111**
BalanceID: N/A

Corrected Temp: **97.0**

Lab Sample ID	Client Samp ID	M	Initial (mL/g)	Final (mL)	Sample Color	Sample Clarity	Extract Color	Extract Clarity			Due Date	Bottle Number	Trans Date	Trans By	Storage	pH	pH >11	pH <2	HOT BLOCK
MB-78052			50	50	--	--	--	--					07/11/14	DTC	ICPLab	2	☐	☐	HB-4
LCS-78052			50	50	--	--	--	--					07/11/14	DTC	ICPLab	2	☐	☐	HB-4
455 uL II140618A, 455 uL IP131113C, 45.5 uL IP140214D, 45.5 uL IP140214E																			
N1178-07F	96201	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
TAL plus Boron																			
N1178-08F	96202	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
TAL plus Boron																			
N1178-08FDUP	96202	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
N1178-08FMS	96202	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
455 uL II140618A, 455 uL IP131113C, 45.5 uL IP140214D, 45.5 uL IP140214E																			
N1178-09F	98434	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
TAL plus Boron																			
N1178-10F	BLIND DUPLICATE 1	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
TAL plus Boron																			
N1178-11F	MW-101S	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
TAL plus Boron																			
N1178-12F	MW-104D	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
TAL plus Boron																			
N1179-05A	96201 F	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
N1179-06A	96202 F	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
N1179-06ADUP	96202 F	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
N1179-06AMS	96202 F	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
455 uL II140618A, 455 uL IP131113C, 45.5 uL IP140214D, 45.5 uL IP140214E																			
N1179-07A	98434 F	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
N1179-08A	BLIND DUPLICATE 1	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
N1179-09A	MW-101S F	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
N1179-10A	MW-104D F	A	50	50	--	--	--	--			08/01/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
N1194-11D	GW-TP-01-071014	A	50	50	--	--	--	--			07/23/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
N1194-25D	GW-TP-03-071014	A	50	50	--	--	--	--			07/23/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
N1194-26D	GW-TP-02-071014	A	50	50	--	--	--	--			07/23/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4
N1194-27D	FB-01-071014	A	50	50	--	--	--	--			07/23/14	01	07/11/14	DTC	ICPLab	2	☐	☐	HB-4

DC 7/11/14

N1194

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

PREP BATCH REPORT

Prep Start Date: **07/11/2014 16:15**
Prep End Date: **07/11/2014 18:00**
Prep Batch ID: **78053**

Prep Code: **ICP_S_PR**
Technician: **David T Camara**

Prep Type: **3050B/SW3050B**

Prep Factor Units: **mL / g**

QC Matrix: N/A
QC Matrix Lot: N/A

1:1 HNO3 **113120**
1:1 HNO3 (mL): **5.0**

30% H2O2 **134149**
30% H2O2 (mL): **5.0**

Reagent 5 Lot: N/A
Reagent 5 (mL): N/A

Filter?: N/A
Filter Lot: N/A

Conc HNO3 **113120**
Conc HNO3 (mL): **2.5**

Conc HCl **4113083**
Conc HCl (mL): **5.0**

Reagent 6 Lot: N/A
Reagent 6 (mL): N/A

Block Temp (C): **97.0**
Corr Fac: **1.0**

Digestion Start Time 1: **07/11/2014 16:15**
Digestion End Time 1: **07/11/2014 17:00**

Digestion Start Time 2: **07/11/2014 17:45**
Digestion End Time 2: **07/11/2014 18:00**

Therm ID1: **MT-120**
BalanceID: **TL6**

Corrected Temp: **98.0**

Lab Sample ID	Client Samp ID	M	Initial (mL/g)	Final (mL)	Sample Color	Sample Clarity	Extract Color	Extract Clarity			Due Date	Bottle Number	Trans Date	Trans By	Storage	pH	pH >11	pH <2	HOT BLOCK
MB-78053			1	50	--	--	--	--					07/11/14	DTC			☐	☐	HB-5
LCS-78053			1	50	--	--	--	--					07/11/14	DTC			☐	☐	HB-5
455 uL II140618A, 455 uL IP131113C, 45.5 uL IP140214D, 45.5 uL IP140214E																			
N1181-01A	SS-01-070914	S	1.22	50	--	--	--	--			07/22/14	01	07/11/14	DTC			☐	☐	HB-5
N1181-02A	SS-02-070914	S	1.06	50	--	--	--	--			07/22/14	01	07/11/14	DTC			☐	☐	HB-5
N1181-03A	SS-03-070914	S	1.18	50	--	--	--	--			07/22/14	01	07/11/14	DTC			☐	☐	HB-5
N1181-04A	SS-04-070914	S	1.35	50	--	--	--	--			07/22/14	01	07/11/14	DTC			☐	☐	HB-5
N1181-05A	SS-FD-01-070914	S	1.54	50	--	--	--	--			07/22/14	01	07/11/14	DTC			☐	☐	HB-5
N1181-06A	SS-05-070914	S	1.48	50	--	--	--	--			07/22/14	01	07/11/14	DTC			☐	☐	HB-5
N1181-07A	SS-06-070914	S	1.81	50	--	--	--	--			07/22/14	01	07/11/14	DTC			☐	☐	HB-5
N1181-08A	SS-07-070914	S	1.04	50	--	--	--	--			07/22/14	01	07/11/14	DTC			☐	☐	HB-5
N1181-09A	SS-08-070914	S	1.57	50	--	--	--	--			07/22/14	01	07/11/14	DTC			☐	☐	HB-5
N1181-10A	SS-09-070914	S	1.19	50	--	--	--	--			07/22/14	01	07/11/14	DTC			☐	☐	HB-5
N1181-11A	SS-10-070914	S	1.16	50	--	--	--	--			07/22/14	01	07/11/14	DTC			☐	☐	HB-5
N1181-12A	SS-FD-02-070914	S	1.29	50	--	--	--	--			07/22/14	01	07/11/14	DTC			☐	☐	HB-5
N1194-01A	SS-11-071014	S	1.38	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-5
N1194-01ADUP	SS-11-071014	S	1.59	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-5
N1194-01AMS	SS-11-071014	S	1.16	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-5
455 uL II140618A, 455 uL IP131113C, 45.5 uL IP140214D, 45.5 uL IP140214E																			
N1194-02A	SS-12-071014	S	1.2	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-5
N1194-03A	SS-13-071014	S	1.45	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-5
N1194-04A	SS-14-071014	S	1.38	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-5
N1194-05A	SS-15-071014	S	1.65	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-5
N1194-06A	SS-16-071014	S	1.94	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-5
N1194-07A	SS-17-071014	S	1.35	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-5
N1194-08A	SS-18-071014	S	1.11	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-5

David T Camara 07/11/2014
Analyst Reviewed Date

BD 7/12/14
Manager Reviewed Date

DC 7/11/14

Logbook ID 100.0124-04/14

N1194

Friday, July 11, 2014 19:37

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

PREP BATCH REPORT

Prep Start Date: **07/11/2014 16:15**
Prep End Date: **07/11/2014 18:00** Prep Code: **ICP_S_PR** Prep Type: **3050B/SW3050B** Prep Factor Units: **mL / g**
Prep Batch ID: **78054** Technician: **David T Camara**

QC Matrix: N/A | 1:1 HNO3 113120 | 30% H2O2 134149 | Reagent 5 Lot: N/A
QC Matrix Lot: N/A | 1:1 HNO3 (mL): 5.0 | 30% H2O2 (mL): 5.0 | Reagent 5 (mL): N/A

Filter?: N/A | Conc HNO3 113120 | Conc HCl 4113083 | Reagent 6 Lot: N/A | Block Temp (C): 97.0
Filter Lot: N/A | Conc HNO3 (mL): 2.5 | Conc HCl (mL): 5.0 | Reagent 6 (mL): N/A | Corr Fac: 0.0

Digestion Start Time 1: 07/11/2014 16:15 | Digestion Start Time 2: 07/11/2014 17:45 | Therm ID1: MT-94 | Corrected Temp: 97.0
Digestion End Time 1: 07/11/2014 17:00 | Digestion End Time 2: 07/11/2014 18:00 | BalanceID: TL6

Lab Sample ID	Client Samp ID	M	Initial (mL/g)	Final (mL)	Sample Color	Sample Clarity	Extract Color	Extract Clarity			Due Date	Bottle Number	Trans Date	Trans By	Storage	pH	pH >11	pH <2	HOT BLOCK
MB-78054			1	50	--	--	--	--					07/11/14	DTC			☐	☐	HB-3
LCS-78054			1	50	--	--	--	--					07/11/14	DTC			☐	☐	HB-3
455 uL II140618A, 455 uL IP131113C, 45.5 uL IP140214D, 45.5 uL IP140214E																			
N1194-09A	SS-19-071014	S	1.91	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-10A	SS-20-071014	S	1.54	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-12A	SS-21-071014	S	1.08	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-13A	SS-22-071014	S	1.09	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-14A	SS-23-071014	S	1.05	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-14ADUP	SS-23-071014	S	1.17	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-14AMS	SS-23-071014	S	1.29	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
455 uL II140618A, 455 uL IP131113C, 45.5 uL IP140214D, 45.5 uL IP140214E																			
N1194-15A	SS-24-071014	S	1.08	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-16A	SS-FD-03-071014	S	1.43	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-17A	SS-25-071014	S	1.29	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-18A	SS-26-071014	S	1.26	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-19A	SS-27-071014	S	1.53	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-20A	SS-28-071014	S	1.23	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-21A	SS-29-071014	S	1.29	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-22A	SS-30-071014	S	1.15	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-23A	SS-31-071014	S	1.55	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1194-24A	SS-32-071014	S	1.01	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3
N1195-02B	PILE 3 COMPOSITE	S	1.35	50	--	--	--	--			07/23/14	01	07/11/14	DTC			☐	☐	HB-3

TAL

David T Camara 07/11/2014 — Analyst Reviewed / Date

BD 7/12/14 — Manager Reviewed / Date

DC 7/11/14

Page 97 of 100

Logbook ID 100.0124-04/14

Spectrum Analytical, Inc. RI Div: CYANIDE DISTILLATION LOGBOOK

Method # :E335.4 / SW9012B (circle one)

Date: 7/16/14 **Time On:** 11:00 **Time Off:** 13:00 **Analyst:** O

Place #	Lab ID	Sample Vol (ml) Weight (g)	Sample pH	Pb Ac Positive (Y/N)	O.1N NaAsO2 (ml)	KI Test (Y/N)	4N Sulfamic Acid (ml)	50% H2SO4 (ml)	2.5M MgCl2 (ml)	Final Volume (ml)
1	MB-78095	50 ml	—	N	—	N	0.5	5	2	50
2	LCS-78095	50 ml								50
3	N1152-06B	1.23s								50
4	N1176-06A	1.22s								50
5	N1176-21A	1.12s								50
6	N1181-12A	1.20s								50
7	N1194-01A	1.17s								50
8	-01ADW	1.18s								50
9	-01AMS	1.16s								50
10	-02A	1.01s								50
1	-03A	1.04s								50
2	-04A	1.04s								50
3	-05A	1.09s								50
4	-06A	1.15s								50
5	-07A	1.14s								50
6	-08A	1.08s								50
7	-09A	1.13s								50
8	N1194-10A	1.19s	—	N	—	N	0.5	5	2	50
9										50
10							7/16/14			50

Sulfamic Acid: FR1406302

Na_2AsO_2: —

H_2SO_4: 7172052

$MgCl_2$: ER1406210

Bismuth Nitrate: —

Cd. Carbonate: —

Temp: 125°C

LCS ID: EWI1407030

LCS volume: 500 ml

Spike ID: EWF1407030I

Spike volume: 500 ml

ICV ID: —

Reviewed By: SBL 7/18/14

Spectrum Analytical, Inc. RI Div: CYANIDE DISTILLATION LOGBOOK

Method # :E335.4 / SW9012B (circle one)

Date: 7/17/14 Time On: 9:00 Time Off: 17:00 Analyst: JMW

Place #	Lab ID	Sample Vol (ml) Weight (g)	Sample pH	Pb Ac Positive (Y/N)	O.1N NaAsO2 (ml)	KI Test (Y/N)	4N Sulfamic Acid (ml)	50% H2SO4 (ml)	2.5M MgCl2 (ml)	Final Volume (ml)
1	MB-78113	50 ml	—	N	-	N	0.5	5	2	50
2	LCS-78113	50 ml								50
3	N1194-12A	1.16g								50
4	-13A	1.03g								50
5	-14A	1.17g								50
6	-14ADUP	1.01g								50
7	-14AMS	1.05g								50
8	-15A	1.19g								50
9	-16A	1.04g								50
10	-17A	1.02g								50
1	-18A	1.08g								50
2	-19A	1.06g								50
3	-20A	1.07g								50
4	-21A	1.18g								50
5	-22A	1.20g								50
6	-23A	1.01g								50
7	N1194-24A	1.12g								50
8	N1195-02B	1.14g								50
9	MB-78123	50 ml								50
10	LCS-78123	50 ml	—	N	-	N	0.5	5	2	50

Sulfamic Acid: IR1406302

Na_2AsO_2: —

H_2SO_4: 7/2052

$MgCl_2$: IR/1406020

Bismuth Nitrate: —

Cd. Carbonate: —

Temp: 125°C

LCS ID: IWT140703

LCS volume: 500 ml

Spike ID: IWT140701

Spike volume: 500 µl

ICV ID: —

Reviewed By: JBL 7/21/14

Logbook ID: 100.0169-12/13
N1194

Spectrum Analytical, Inc. RI Div: CYANIDE DISTILLATION LOGBOOK

Method # :E335.4 / SW9012B (circle one)

Date: _____ Time On: _____ Time Off: _____ Analyst: _____

Place #	Lab ID	Sample Vol (ml) Weight (g)	Sample pH	Pb Ac Positive (Y/N)	O.1N NaAsO2 (ml)	KI Test (Y/N)	4N Sulfamic Acid (ml)	50% H2SO4 (ml)	2.5M MgCl2 (ml)	Final Volume (ml)
1	LCSD-7813	50 ml	-	N	-	N	0.5	5	2	50
2	N1178-02D									50
3	" -03D									50
4	" -04D									50
5	N1178 -05D									50
6	N1194-11C									50
7	" -25C									50
8	" -26C									50
9	N1194 -27C			N						50
10	N1205-06C			Y						50
1	" -07C			Y						50
2	N1205-08C			N						50
3	N1208-08C			Y						50
4	" -09C			N						50
5	" -10C									50
6	" -11C									50
7	N1208 -12C	50 ml	-	N	-	N	0.5	5	2	50
8										50
9							~ 7/17/14			50
10										50

Sulfamic Acid: _____

Na_2AsO_2: _____

H_2SO_4: _____

$MgCl_2$: _____

Bismuth Nitrate: _____

Cd. Carbonate: _____

Temp: _____

LCS ID: _____

LCS volume: _____

Spike ID: _____

Spike volume: _____

ICV ID: _____

See P. 77

Reviewed By: 7/21/14

N1194

Thursday, July 17, 2014 12:23

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

PREP BATCH REPORT

Prep Start Date: **07/17/2014 9:30**
Prep End Date: **07/17/2014 11:45**
Prep Batch ID: **78114**

Prep Code: **ICP_S_PR**
Technician: **David T Camara**

Prep Type: **3050B/SW3050B**

Prep Factor Units: **mL / g**

Review TS 7/18/14

QC Matrix: N/A
QC Matrix Lot: N/A

1:1 HNO3 **113120**
1:1 HNO3 (mL): **5.0**

30% H2O2 **134149**
30% H2O2 (mL): **5.0**

Reagent 5 Lot: N/A
Reagent 5 (mL): N/A

Filter?: N/A
Filter Lot: N/A

Conc HNO3 **113120**
Conc HNO3 (mL): **2.5**

Conc HCl **4113083**
Conc HCl (mL): **5.0**

Reagent 6 Lot: N/A
Reagent 6 (mL): N/A

Block Temp (C): **97.0**
Corr Fac: **0.0**

Digestion Start Time 1: 07/17/2014 09:30
Digestion End Time 1: 07/17/2014 10:15

Digestion Start Time 2: 07/17/2014 11:30
Digestion End Time 2: 07/17/2014 11:45

Therm ID1: MT-94
BalanceID: TL6

Corrected Temp: **97.0**

Lab Sample ID	Client Samp ID	M	Initial (mL/g)	Final (mL)	Sample Color	Sample Clarity	Extract Color	Extract Clarity			Due Date	Bottle Number	Trans Date	Trans By	Storage	pH	pH >11	pH <2	HOT BLOCK
MB-78114			1	50	--	--	--	--					07/17/14	DTC	ICPLab		☐	☐	HB-3
LCS-78114			1	50	--	--	--	--					07/17/14	DTC	ICPLab		☐	☐	HB-3
455 uL II140618A, 455 uL IP131113C, 45.5 uL IP140214D, 45.5 uL IP140214E																			
N1194-09A	SS-19-071014	S	1.91	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-10A	SS-20-071014	S	1.54	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-12A	SS-21-071014	S	1.08	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-13A	SS-22-071014	S	1.09	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-14A	SS-23-071014	S	1.05	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-14ADUP	SS-23-071014	S	1.17	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-14AMS	SS-23-071014	S	1.29	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
455 uL II140618A, 455 uL IP131113C, 45.5 uL IP140214D, 45.5 uL IP140214E																			
N1194-15A	SS-24-071014	S	1.08	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-16A	SS-FD-03-071014	S	1.43	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-17A	SS-25-071014	S	1.29	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-18A	SS-26-071014	S	1.26	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-19A	SS-27-071014	S	1.53	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-20A	SS-28-071014	S	1.23	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-21A	SS-29-071014	S	1.29	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-22A	SS-30-071014	S	1.15	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-23A	SS-31-071014	S	1.55	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1194-24A	SS-32-071014	S	1.01	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3
N1195-02B	PILE 3 COMPOSITE	S	1.35	50	--	--	--	--			07/23/14	01	07/17/14	DTC	ICPLab		☐	☐	HB-3

TAL

DC 7/17/14

Logbook ID 100.0124-04/14

Percent Moisture and Percent Solids Report

Lab Sample ID	Client Sample ID	Analyzed	Percent Moisture	Percent Solids	Validated
N1194-01A	SS-11-071014	07/14/2014	14.863	85.137	Yes
N1194-02A	SS-12-071014	07/14/2014	15.689	84.311	Yes
N1194-03A	SS-13-071014	07/14/2014	13.237	86.763	Yes
N1194-04A	SS-14-071014	07/14/2014	14.858	85.142	Yes
N1194-05A	SS-15-071014	07/14/2014	18.605	81.395	Yes
N1194-06A	SS-16-071014	07/14/2014	14.565	85.435	Yes
N1194-07A	SS-17-071014	07/14/2014	13.738	86.262	Yes
N1194-08A	SS-18-071014	07/14/2014	17.993	82.007	Yes
N1194-09A	SS-19-071014	07/14/2014	13.568	86.432	Yes
N1194-10A	SS-20-071014	07/14/2014	13.570	86.430	Yes
N1194-12A	SS-21-071014	07/14/2014	11.263	88.737	Yes
N1194-13A	SS-22-071014	07/14/2014	13.889	86.111	Yes
N1194-14A	SS-23-071014	07/14/2014	13.333	86.667	Yes
N1194-15A	SS-24-071014	07/14/2014	18.487	81.513	Yes
N1194-16A	SS-FD-03-071014	07/14/2014	16.348	83.652	Yes
N1194-17A	SS-25-071014	07/14/2014	16.369	83.631	Yes
N1194-18A	SS-26-071014	07/14/2014	12.106	87.894	Yes
N1194-19A	SS-27-071014	07/14/2014	17.780	82.220	Yes
N1194-20A	SS-28-071014	07/14/2014	17.098	82.902	Yes
N1194-21A	SS-29-071014	07/14/2014	13.944	86.056	Yes
N1194-22A	SS-30-071014	07/14/2014	12.020	87.980	Yes
N1194-23A	SS-31-071014	07/14/2014	14.867	85.133	Yes
N1194-24A	SS-32-071014	07/14/2014	19.733	80.267	Yes

* Wet Chemistry *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1194

SM 3500 Cr+B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 3500 Cr+B

IV. PREPARATION

Samples were prepared following procedures in laboratory test code: SM 3500 Cr+B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: SPEC2
Instrument Type: SP
Description: Spectronic 20 Genesys
Manufacturer: Spectronic Instruments
Model: 4004-000

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

D. Duplicate sample:

No client-requested laboratory duplicate analyses were included in this SDG.

E. Dilutions:

No sample required dilution in this SDG.

F. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/18/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Client: CDM-Smith, Inc.
Client Sample ID: GW-TP-01-071014
Lab ID: N1194-11
Project: Buffalo Lakeside
Collection Date: 07/10/14 9:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/11/2014 10:40	78049

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: GW-TP-03-071014
Lab ID: N1194-25
Project: Buffalo Lakeside
Collection Date: 07/10/14 14:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/11/2014 10:40	78049

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: GW-TP-02-071014
Lab ID: N1194-26
Project: Buffalo Lakeside
Collection Date: 07/10/14 12:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/11/2014 10:40	78049

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: FB-01-071014
Lab ID: N1194-27
Project: Buffalo Lakeside
Collection Date: 07/10/14 14:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/11/2014 10:40	78049

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: CDM-Smith, Inc.
Work Order: N1194
Project: Buffalo Lakeside

ANALYTICAL QC SUMMARY REPORT

SM3500_CR+

SM 3500D -- CR VI by Colorimetric Method

Sample ID: **MB-78049** SampType: **MBLK** TestCode: **SM3500_CR+** Prep Date: **07/11/14 10:25** Run ID: **SPEC2_140711B**
Client ID: **MB-78049** Batch ID: **78049** Units: **mg/L** Analysis Date: **07/11/14 10:40** SeqNo: **2119467**

Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.030	0.030									

Sample ID: **LCS-78049** SampType: **LCS** TestCode: **SM3500_CR+** Prep Date: **07/11/14 10:25** Run ID: **SPEC2_140711B**
Client ID: **LCS-78049** Batch ID: **78049** Units: **mg/L** Analysis Date: **07/11/14 10:40** SeqNo: **2119468**

Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.4090	0.030	0.030	0.4000	0	102	80	120	0			

Sample ID: **LCSD-78049** SampType: **LCSD** TestCode: **SM3500_CR+** Prep Date: **07/11/14 10:25** Run ID: **SPEC2_140711B**
Client ID: **LCSD-78049** Batch ID: **78049** Units: **mg/L** Analysis Date: **07/11/14 10:40** SeqNo: **2119469**

Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.4040	0.030	0.030	0.4000	0	101	80	120	0.4090	1.23	20	

Qualifiers:
ND - Not Detected at the MDL
J - Analyte detected below quanititation limits
S - Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
MDL - Method Detection Limit
RL - Reporting Limit
B - Analyte detected in the associated Method Blank

N1194

Spectrum Analytical, Inc. RI Div. — Hexavalent Chromium Colorimetric Analysis Logbook

Analysis Date: 7/11/14 10:25-10:40 SPEC 7 **Analyst:** JL/BD

Sample ID	pH (Aqueous Samples)	Sample Volume (ml)	Absorbance (Abs)	Calc. CONC (mg/l)	DF	Result (mg/l)	% Rec	comments
S0	1	25	0.000	0	1	0		
S0.2	↓	0.4/25	0.163	0.210	↓	0.210	105%	
MB-78049		25	0.001	0		0	~~102.3%~~ 80 7/11/14	
CCV-78049		0.1/25	0.317	0.409		0.409	102.3%	
CCSD-78049		0.1/25	0.313	0.404		0.404	101%	
N1194-11B			0.023	0.028		0.028		
S0.4	1	0.8/25	0.324	0.418		0.418	104.5%	
N1194-25B	1		< 0.135 0.145	-0.015		-0.015		
N1194-26B	↓		0.021	0.026		0.026		
N1194-27B	↓		0.000	-0.002	↓	-0.002		
S0.2	1	0.4/25	0.155	0.199	1	0.199	99.5%	

Wavelength= 540 nm
Pathlength= 10.0 cm
MRL= 0.03 mg/L
ChromaVer 3 Lot #: A3129
Diphenylcarbizide Solution ID: —

< colored background

Method#: SM3500 Cr B / SW7196A (circle one)

Conc of Analyte = (Abs-b)/m

CCV=IW1260707*
CCSD=IW1406101
TV= 0.4 mg/L

m= 0.77197
b= 0.00127
r= 0.99729
Curve date: 7/25/14

Logbook ID: 100.0056-10/13

LIMS entry: SR

Reviewed By: SBC 7/15/14

Internal Chain of Custody

Client: CDM_LATHAM

Work Order: N1194 **Profile Name:** CDM_BUFFALO_LAKESIDE

MATRIX **Soil**

Samp #	Bottle	Test	Status	Received	Date
01A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
01A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
01A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01A	002	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01A	002	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
01A	002	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
01A	002	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01A	002	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
01A	002	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
01A	002	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01A	002	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
01A	002	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
01A	002	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01A	003	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01A	003	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01A	003	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01A	003	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01B	002	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
01B	003	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM

Internal Chain of Custody

Client: CDM_LATHAM

Work Order: N1194 **Profile Name:** CDM_BUFFALO_LAKESIDE

MATRIX **Soil**

Samp #	Bottle	Test	Status	Received	Date
02A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
02A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
02A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
02A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
02A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
02A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
02A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
02A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
02A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
02A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
02B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
03A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
03A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
03A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
03A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
03A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
03A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
03A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
03A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
03A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
03A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
03B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
04A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
04A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
04A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
04A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
04A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
04A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
04A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
04A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
04A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
04A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM

Internal Chain of Custody

Client: CDM_LATHAM

Work Order: N1194 **Profile Name:** CDM_BUFFALO_LAKESIDE

MATRIX **Soil**

Samp #	Bottle	Test	Status	Received	Date
04B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
05A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
05A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
05A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
05A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
05A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
05A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
05A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
05A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
05A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
05A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
05B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
06A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
06A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
06A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
06A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
06A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
06A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
06A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
06A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
06A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
06A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
06B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM

Internal Chain of Custody

Client: CDM_LATHAM

Work Order: N1194 **Profile Name:** CDM_BUFFALO_LAKESIDE

MATRIX **Soil**

Samp #	Bottle	Test	Status	Received	Date
07A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
07A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
07A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
07A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
07A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
07A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
07A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
07A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
07A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
07A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
07B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
08A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
08A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
08A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
08A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
08A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
08A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
08A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
08A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
08A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
08A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
08B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
09A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
09A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
09A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
09A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
09A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
09A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
09A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
09A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
09A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
09A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM

Internal Chain of Custody

Client: CDM_LATHAM

Work Order: N1194 **Profile Name:** CDM_BUFFALO_LAKESIDE

MATRIX **Soil**

Samp #	Bottle	Test	Status	Received	Date
09B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
10A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
10A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
10A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
10A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
10A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
10A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
10A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
10A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
10A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
10A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
10B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
11A	001	SW8270_W	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
11A	001	SW8270_W	Consumed	Jodie B Warner	7/14/2014 9:11:00 AM
11B	001	SM3500_CR+	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
11C	001	SW9012_W	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
11C	001	SW9012_W	Out	James Kyle Dorsey	7/17/2014 2:50:53 PM
11C	001	SW9012_W	In	James Kyle Dorsey	7/17/2014 5:41:15 PM
11D	001	SW6010_W	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
12A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
12A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
12A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
12A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
12A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
12A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
12A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
12A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
12A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
12A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
12B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM

Internal Chain of Custody

Client: CDM_LATHAM

Work Order: N1194 **Profile Name:** CDM_BUFFALO_LAKESIDE

MATRIX **Soil**

Samp #	Bottle	Test	Status	Received	Date
13A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
13A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
13A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
13A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
13A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
13A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
13A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
13A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
13A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
13A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
13B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
14A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
14A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
14A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
14A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14A	002	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14A	002	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14A	002	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14A	002	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14A	003	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14A	003	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
14A	003	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
14A	003	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14A	003	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14A	003	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
14A	003	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
14A	003	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM

Internal Chain of Custody

Client: CDM_LATHAM

Work Order: N1194 **Profile Name:** CDM_BUFFALO_LAKESIDE

MATRIX **Soil**

Samp #	Bottle	Test	Status	Received	Date
14B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14B	002	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
14B	003	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
15A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
15A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
15A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
15A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
15A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
15A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
15A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
15A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
15A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
15A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
15B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
16A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
16A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
16A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
16A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
16A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
16A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
16A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
16A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
16A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
16A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
16B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM

Internal Chain of Custody

Client: CDM_LATHAM

Work Order: N1194 **Profile Name:** CDM_BUFFALO_LAKESIDE

MATRIX **Soil**

Samp #	Bottle	Test	Status	Received	Date
17A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
17A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
17A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
17A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
17A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
17A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
17A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
17A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
17A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
17A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
17B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
18A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
18A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
18A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
18A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
18A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
18A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
18A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
18A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
18A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
18A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
18B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
19A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
19A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
19A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
19A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
19A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
19A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
19A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
19A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
19A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
19A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM

Internal Chain of Custody

Client: CDM_LATHAM

Work Order: N1194 **Profile Name:** CDM_BUFFALO_LAKESIDE

MATRIX **Soil**

Samp #	Bottle	Test	Status	Received	Date
19B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
20A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
20A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
20A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
20A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
20A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
20A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
20A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
20A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
20A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
20A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
20B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
21A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
21A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
21A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
21A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
21A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
21A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
21A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
21A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
21A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
21A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
21B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM

Internal Chain of Custody

Client: CDM_LATHAM

Work Order: N1194 **Profile Name:** CDM_BUFFALO_LAKESIDE

MATRIX **Soil**

Samp #	Bottle	Test	Status	Received	Date
22A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
22A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
22A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
22A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
22A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
22A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
22A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
22A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
22A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
22A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
22B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
23A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
23A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
23A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
23A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
23A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
23A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
23A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
23A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
23A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
23A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
23B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
24A	001	PMoist	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
24A	001	PMoist	Out	Ken Pierce	7/14/2014 2:42:25 PM
24A	001	PMoist	In	Ken Pierce	7/14/2014 3:28:55 PM
24A	001	SW6010_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
24A	001	SW6010_S	Out	David T Camara	7/11/2014 3:45:29 PM
24A	001	SW6010_S	In	David T Camara	7/11/2014 3:46:34 PM
24A	001	SW8270_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
24A	001	SW8270_S	Out	Devin M Pierel	7/15/2014 9:19:12 AM
24A	001	SW8270_S	In	Devin M Pierel	7/15/2014 1:33:10 PM
24A	001	SW9012_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM

Internal Chain of Custody

Client: CDM_LATHAM

Work Order: N1194 **Profile Name:** CDM_BUFFALO_LAKESIDE

MATRIX **Soil**

Samp #	Bottle	Test	Status	Received	Date
24B	001	SW7196_S	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
25A	001	SW8270_W	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
25A	001	SW8270_W	Consumed	Jodie B Warner	7/14/2014 9:11:00 AM
25B	001	SM3500_CR+	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
25C	001	SW9012_W	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
25C	001	SW9012_W	Out	James Kyle Dorsey	7/17/2014 2:50:53 PM
25C	001	SW9012_W	In	James Kyle Dorsey	7/17/2014 5:41:15 PM
25D	001	SW6010_W	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
26A	001	SW8270_W	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
26A	001	SW8270_W	Consumed	Jodie B Warner	7/14/2014 9:11:00 AM
26B	001	SM3500_CR+	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
26C	001	SW9012_W	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
26C	001	SW9012_W	Out	James Kyle Dorsey	7/17/2014 2:50:53 PM
26C	001	SW9012_W	In	James Kyle Dorsey	7/17/2014 5:41:15 PM
26D	001	SW6010_W	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
27A	001	SW8270_W	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
27A	001	SW8270_W	Consumed	Jodie B Warner	7/14/2014 9:11:00 AM
27B	001	SM3500_CR+	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
27C	001	SW9012_W	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM
27C	001	SW9012_W	Out	James Kyle Dorsey	7/17/2014 2:50:53 PM
27C	001	SW9012_W	In	James Kyle Dorsey	7/17/2014 5:41:15 PM
27D	001	SW6010_W	In	LOGIN: wlafferty	7/11/2014 11:08:00 AM

Last Page of Data Report

PHOENIX
Environmental Laboratories, Inc.

Friday, July 18, 2014

Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Project ID: BUFFALO LAKESIDE
Sample ID#s: BG73940 - BG73962

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

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

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

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

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

Sincerely yours,

Phyllis Shiller

Laboratory Director

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

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	8:00
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73940

Project ID: BUFFALO LAKESIDE
Client ID: SS-11-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/14/14	I	E160.3
Chromium, Hexavalent MS/MSD	completed			07/16/14	CL	SW3060/7196
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.47	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Hexavelent Chromium	Completed			07/16/14		
Redox Potential	402	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	8:10
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73941

Project ID: BUFFALO LAKESIDE
Client ID: SS-12-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.46	0.46	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.71	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	333	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	8:16
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73942

Project ID: BUFFALO LAKESIDE
Client ID: SS-13-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.76	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	424	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	8:25
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73943

Project ID: BUFFALO LAKESIDE
Client ID: SS-14-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.78	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	396	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	8:30
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73944

Project ID: BUFFALO LAKESIDE
Client ID: SS-15-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.73	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	409	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	9:25
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73945

Project ID: BUFFALO LAKESIDE
Client ID: SS-16-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.59	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	338	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	9:37
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73946

Project ID: BUFFALO LAKESIDE
Client ID: SS-17-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.46	0.46	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.72	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	350	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	9:50
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73947

Project ID: BUFFALO LAKESIDE
Client ID: SS-18-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.48	0.48	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.50	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	442	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	10:00
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73948

Project ID: BUFFALO LAKESIDE
Client ID: SS-19-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.44	0.44	mg/Kg	07/16/14 15:23	CL	SW3060/7196
pH - Soil	8.16	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	420	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	10:15
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73949

Project ID: BUFFALO LAKESIDE
Client ID: SS-20-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.62	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	400	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:05
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73950

Project ID: BUFFALO LAKESIDE
Client ID: SS-21-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.83	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	382	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:15
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73951

Project ID: BUFFALO LAKESIDE
Client ID: SS-22-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.44	0.44	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.69	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	413	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:20
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73952

Project ID: BUFFALO LAKESIDE
Client ID: SS-23-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/14/14	I	E160.3
Chromium, Hexavalent MS/MSD	Completed			07/17/14	CL	SW3060/7196
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.84	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Hexavelent Chromium	Completed			07/17/14		
Redox Potential	391	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:30
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73953

Project ID: BUFFALO LAKESIDE
Client ID: SS-24-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.46	0.46	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.65	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	440	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:30
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73954

Project ID: BUFFALO LAKESIDE
Client ID: SS-FD-03-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	67		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.60	0.60	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.48	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	364	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:50
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73955

Project ID: BUFFALO LAKESIDE
Client ID: SS-25-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.49	0.49	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.21	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	346	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	12:55
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73956

Project ID: BUFFALO LAKESIDE
Client ID: SS-26-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.44	0.44	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.44	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	389	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	13:28
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73957

Project ID: BUFFALO LAKESIDE
Client ID: SS-27-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.50	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	373	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	13:35
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73958

Project ID: BUFFALO LAKESIDE
Client ID: SS-28-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 1.04	1.04	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.10	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	384	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	13:50
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73959

Project ID: BUFFALO LAKESIDE
Client ID: SS-29-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.51	0.51	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.41	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	403	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	13:58
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73960

Project ID: BUFFALO LAKESIDE
Client ID: SS-30-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.56	0.56	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.40	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	351	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	14:02
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73961

Project ID: BUFFALO LAKESIDE
Client ID: SS-31-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.78	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	396	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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Phyllis Shiller, Laboratory Director
July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 18, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/10/14	14:12
Location Code:	SPECTRUM-RI	Received by:	LK	07/14/14	15:37
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1194				

Laboratory Data

SDG ID: GBG73940
Phoenix ID: BG73962

Project ID: BUFFALO LAKESIDE
Client ID: SS-32-071014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	72		%	07/14/14	I	E160.3
Chromium, Hexavalent	< 0.56	0.56	mg/Kg	07/17/14 12:12	CL	SW3060/7196
pH - Soil	8.19	0.10	pH Units	07/14/14 20:00	O/EG	4500-H B/9045
Redox Potential	327	1.0	mV	07/14/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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July 18, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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QA/QC Report

July 18, 2014

QA/QC Data

SDG I.D.: GBG73940

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 280158, QC Sample No: BG73940 (BG73940, BG73941, BG73942, BG73943, BG73944, BG73945, BG73946, BG73947, BG73948)													
Hex Chromium - Soil													
Hexavalent Cr	BRL	<0.47	<0.47	NC	102						70 - 130	30	
Insoluble Cr					96.7			89.3			70 - 130	30	
Soluble Cr					99.3			<10.0%			70 - 130	30	m
Comment:													
Soluble spike was analyzed twice with similar recoveries and post digestive spike recovery was 100%.													
QA/QC Batch 280296, QC Sample No: BG73952 (BG73949, BG73950, BG73951, BG73952, BG73953, BG73954, BG73955, BG73956, BG73957, BG73958, BG73959, BG73960, BG73961, BG73962)													
Hex Chromium - Soil													
Hexavalent Cr	BRL	<0.47	<0.47	NC	101						70 - 130	30	
Insoluble Cr					94.0			57.0			70 - 130	30	m
Soluble Cr					97.2			10.1			70 - 130	30	m
Comment:													
Soluble spike was analyzed twice with similar recoveries and post digestive spike recovery was 100%													

m = This parameter is outside laboratory ms/msd specified recovery limits.

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 18, 2014

QA/QC Data

SDG I.D.: GBG73940

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 279931, QC Sample No: BG73505 (BG73940, BG73941, BG73942, BG73943, BG73944, BG73945, BG73946, BG73947, BG73948, BG73949, BG73950, BG73951, BG73952, BG73953, BG73954, BG73955, BG73956)												
pH - Soil		8.31	8.52	2.50	97.4						85 - 115	20
QA/QC Batch 279933, QC Sample No: BG74293 (BG73957, BG73958, BG73959, BG73960, BG73961, BG73962)												
pH - Soil		7.26	7.29	0.40	97.4						85 - 115	20

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

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

Phyllis Shiller, Laboratory Director
July 18, 2014

Sample Criteria Exceedences Report

GBG73940 - SPECTRUM-RI

Criteria: None

State: RI

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

*** No Data to Display ***

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

6°C wc IP

CHAIN-OF-CUSTODY RECORD

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

WorkOrder : N1194
Project: Buffalo Lakeside
Report Type : ASP-B
Due Date : 7/23/2014
FAX Due Date : 7/18/2014
Report To : Agnes R Huntley
Purchase Order : N1194
EDD Types : **Please generate a Little PEL EDD**

Subcontractor:
Phoenix Environmental Labs, Inc.
587 East Middle Turnpike; P.O. Box 418
Manchester, CT 060400418

Phone: (800) 827-5426

EQuISFacilityCode: N/A

= number of containers

Requested Test

Client Sample ID	Collection Date	#	Matrix	DUP/MS/MSD	Mitkem Sample ID	SW7196_S										
SS-11-071014	07/10/2014 08:00	3	Soil	X	N1194-01B	X										73940
SS-12-071014	07/10/2014 08:10	1	Soil		N1194-02B	X										73941
SS-13-071014	07/10/2014 08:16	1	Soil		N1194-03B	X										73942
SS-14-071014	07/10/2014 08:25	1	Soil		N1194-04B	X										73943
SS-15-071014	07/10/2014 08:30	1	Soil		N1194-05B	X										73944
SS-16-071014	07/10/2014 09:25	1	Soil		N1194-06B	X										73945

1) SW7196_S, CR+ BY COLORIMETRIC METHOD

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Please log all N1194 samples into one work order.

		Date/Time			Date/Time
Relinquished by:	Agnes R Huntley	07/11/14 11:18	**Received by:**	Bill Hennessy	7/10/14 1120
Relinquished by:	Bill Hennessy		**Received by:**	Subcon	

07/11/2014

646 Camp Ave * North Kingstown * RI * 028524008 * 401-732-3400 * 401-732-3499
www.spectrum-analytical.com

Rec'd Mary Anderson 7/11/14

7/14/14 TMcCue 7/14/14 15:37

6°C WC IP

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN-OF-CUSTODY RECORD

WorkOrder : N1194
Project: Buffalo Lakeside
Report Type : ASP-B
Due Date : 7/23/2014
FAX Due Date : 7/18/2014
Report To : Agnes R Huntley
Purchase Order : N1194
EDD Types : **Please generate a Little PEL EDD**

Subcontractor:
Phoenix Environmental Labs, Inc.
587 East Middle Turnpike; P.O. Box 418
Manchester, CT 060400418

Phone: (800) 827-5426

EQuISFacilityCode: N/A

= number of containers

Requested Test

Client Sample ID	Collection Date	#	Matrix	DUP/MS/MSD	Mitkem Sample ID	SW7196_S									
SS-17-071014	07/10/2014 09:37	1	Soil		N1194-07B	X									73946
SS-18-071014	07/10/2014 09:50	1	Soil		N1194-08B	X									73947
SS-19-071014	07/10/2014 10:00	1	Soil		N1194-09B	X									73948
SS-20-071014	07/10/2014 10:15	1	Soil		N1194-10B	X									73949
SS-21-071014	07/10/2014 12:05	1	Soil		N1194-12B	X									73950
SS-22-071014	07/10/2014 12:15	1	Soil		N1194-13B	X									73951

1) SW7196_S, CR+ BY COLORIMETRIC METHOD

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Please log all N1194 samples into one work order.

		Date/Time			Date/Time
Relinquished by:	Agnes R Huntley	07/11/14 11:18	**Received by:**		7/11/14 1130
Relinquished by:			**Received by:**		

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Rec Mary Olson 7/14/14

7/14/14 7/14/14 15:37

CHAIN-OF-CUSTODY RECORD

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

WorkOrder : N1194
Project: Buffalo Lakeside
Report Type : ASP-B
Due Date : 7/23/2014
FAX Due Date : 7/18/2014
Report To : Agnes R Huntley
Purchase Order : N1194
EDD Types : **Please generate a Little PEL EDD**

Subcontractor:
Phoenix Environmental Labs, Inc.
587 East Middle Turnpike; P.O. Box 418
Manchester, CT 060400418

Phone: (800) 827-5426

EQuISFacilityCode: N/A

= number of containers

Requested Test

Client Sample ID	Collection Date	#	Matrix	DUP/MS/MSD	Mitkem Sample ID	SW7196_S									
SS-23-071014	07/10/2014 12:20	3	Soil	X	N1194-14B	X									73952
SS-24-071014	07/10/2014 12:30	1	Soil		N1194-15B	X									73953
SS-FD-03-071014	07/10/2014 12:30	1	Soil		N1194-16B	X									73954
SS-25-071014	07/10/2014 12:50	1	Soil		N1194-17B	X									73955
SS-26-071014	07/10/2014 12:55	1	Soil		N1194-18B	X									73956
SS-27-071014	07/10/2014 13:28	1	Soil		N1194-19B	X									73957

1) SW7196_S, CR+ BY COLORIMETRIC METHOD

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Please log all N1194 samples into one work order.

		Date/Time			Date/Time
Relinquished by:	Agnes R Huntley	07/11/14 11:18	**Received by:**		7/11/14 1130
Relinquished by:			**Received by:**	Scott T	

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Rec- Mary Olson 7/14/14

7/14/14 7/14/14 15:37

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN-OF-CUSTODY RECORD

bill IP

Subcontractor:
Phoenix Environmental Labs, Inc.
587 East Middle Turnpike; P.O. Box 418
Manchester, CT 060400418

Phone: (800) 827-5426

EQuISFacilityCode: N/A

WorkOrder : N1194
Project: Buffalo Lakeside
Report Type : ASP-B
Due Date : 7/23/2014
FAX Due Date : 7/18/2014
Report To : Agnes R Huntley
Purchase Order : N1194
EDD Types : **Please generate a Little PEL EDD**

= number of containers

Requested Test

Client Sample ID	Collection Date	#	Matrix	DUP/MS/MSD	Mitkem Sample ID	SW7196_S									
SS-28-071014	07/10/2014 13:35	1	Soil		N1194-20B	X									73958
SS-29-071014	07/10/2014 13:50	1	Soil		N1194-21B	X									73959
SS-30-071014	07/10/2014 13:58	1	Soil		N1194-22B	X									73960
SS-31-071014	07/10/2014 14:02	1	Soil		N1194-23B	X									73961
SS-32-071014	07/10/2014 14:12	1	Soil		N1194-24B	X									73962

1) SW7196_S, CR+ BY COLORIMETRIC METHOD

Use 'Client Sample IDs' when reporting data. If needed, truncate 'Client Sample IDs' to fit on reports. Use full 'Client Sample ID' when generating EDD.

Comments: Please log all N1194 samples into one work order.

		Date/Time			Date/Time
Relinquished by:	Agnes R Huntley	07/11/14 11:18	**Received by:**	Bill Hanig	7/11/14 1430
Relinquished by:	Bill Hanig		**Received by:**	Schoof	

646 Camp Ave * North Kingstown * RI * 028524008 * 401-732-3400 * 401-732-3499
www.spectrum-analytical.com

Rec Marjueleson 7/14/14

7/14/14

TMMM 7/14/14 15:37

Subcontract Purchase Order For Work Order N1194

PO Number: N1194

To: Phoenix Environmental Labs, Inc.
587 East Middle Turnpike; P.O. Box 418
Manchester, CT 060400418
(800) 827-5426

Requested MS/D Billable?: No
Hard Copy Due Date: 7/23/2014
FAX Due Date: 7/18/2014
Hard Copy Format: ASP-B
EDD Format: EQuIS_4_NYSDEC_v3

Comments:

Please log all N1194 samples into one work order.

Test Code	Test No	# of Samples	Unit Cost	Total Cost
SW7196_S	SW7196	23	$20.00	$460.00

* Includes billable QC

Send one copy of invoice to:

Spectrum Analytical, Inc
830 Silver St
Agawam, MA 01001
413-789-9018

Invoice must reference PO Number

07/11/2014 11:18

Report Date:
25-Jul-14 13:06

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: N1205
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
N1205-01	SS-42-071114	Soil	11-Jul-14 09:20	14-Jul-14 11:45
N1205-02	SS-43-071114	Soil	11-Jul-14 09:27	14-Jul-14 11:45
N1205-03	SS-FD-05-071114	Soil	11-Jul-14 09:27	14-Jul-14 11:45
N1205-04	SS-44-071114	Soil	11-Jul-14 09:34	14-Jul-14 11:45
N1205-05	SS-45-071114	Soil	11-Jul-14 09:40	14-Jul-14 11:45
N1205-06	GW-TP-08-071114	Aqueous	11-Jul-14 08:47	14-Jul-14 11:45
N1205-07	GW-DUP-01-071114	Aqueous	11-Jul-14 08:50	14-Jul-14 11:45
N1205-08	FB-01-071114	Aqueous	11-Jul-14 10:27	14-Jul-14 11:45
N1205-09	SS-33-071114	Soil	11-Jul-14 08:00	14-Jul-14 11:45
N1205-10	SS-34-071114	Soil	11-Jul-14 08:10	14-Jul-14 11:45
N1205-11	SS-35-071114	Soil	11-Jul-14 08:15	14-Jul-14 11:45
N1205-12	SS-36-071114	Soil	11-Jul-14 08:22	14-Jul-14 11:45
N1205-13	SS-37-071114	Soil	11-Jul-14 08:27	14-Jul-14 11:45
N1205-14	SS-FD-04-071114	Soil	11-Jul-14 08:27	14-Jul-14 11:45
N1205-15	SS-38-071114	Soil	11-Jul-14 08:45	14-Jul-14 11:45
N1205-16	SS-39-071114	Soil	11-Jul-14 08:52	14-Jul-14 11:45
N1205-17	SS-40-071114	Soil	11-Jul-14 09:00	14-Jul-14 11:45
N1205-18	SS-41-071114	Soil	11-Jul-14 09:10	14-Jul-14 11:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

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www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1205

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SS-42-071114	N1205-01		SW8270_S		SW6010_S	SEE DATA
SS-43-071114	N1205-02		SW8270_S		SW6010_S	SEE DATA
SS-FD-05-071114	N1205-03		SW8270_S		SW6010_S	SEE DATA
SS-44-071114	N1205-04		SW8270_S		SW6010_S	SEE DATA
SS-45-071114	N1205-05		SW8270_S		SW6010_S	SEE DATA
GW-TP-08-071114	N1205-06		SW8270_W		SW6010_W	SEE DATA
GW-DUP-01-071114	N1205-07		SW8270_W		SW6010_W	SEE DATA
FB-01-071114	N1205-08		SW8270_W		SW6010_W	SEE DATA
SS-33-071114	N1205-09		SW8270_S		SW6010_S	SEE DATA
SS-34-071114	N1205-10		SW8270_S		SW6010_S	SEE DATA
SS-35-071114	N1205-11		SW8270_S		SW6010_S	SEE DATA
SS-36-071114	N1205-12		SW8270_S		SW6010_S	SEE DATA
SS-37-071114	N1205-13		SW8270_S		SW6010_S	SEE DATA
SS-FD-04-071114	N1205-14		SW8270_S		SW6010_S	SEE DATA
SS-38-071114	N1205-15		SW8270_S		SW6010_S	SEE DATA
SS-39-071114	N1205-16		SW8270_S		SW6010_S	SEE DATA
SS-40-071114	N1205-17		SW8270_S		SW6010_S	SEE DATA
SS-41-071114	N1205-18		SW8270_S		SW6010_S	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1205

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					
N1205-01A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-02A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-03A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-04A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-05A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-09A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-10A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-11A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-12A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-13A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-14A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-15A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-16A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-17A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
N1205-18A	SL	7/11/2014	7/14/2014	7/16/2014	7/18/2014
SW8270_W					
N1205-06A	AQ	7/11/2014	7/14/2014	7/17/2014	7/20/2014
N1205-07A	AQ	7/11/2014	7/14/2014	7/17/2014	7/21/2014
N1205-08A	AQ	7/11/2014	7/14/2014	7/17/2014	7/21/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1205

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					
N1205-01A	SL	SW8270_S	3550B	NA	1
N1205-02A	SL	SW8270_S	3550B	NA	1
N1205-03A	SL	SW8270_S	3550B	NA	1
N1205-04A	SL	SW8270_S	3550B	NA	1
N1205-05A	SL	SW8270_S	3550B	NA	1
N1205-09A	SL	SW8270_S	3550B	NA	1
N1205-10A	SL	SW8270_S	3550B	NA	1
N1205-11A	SL	SW8270_S	3550B	NA	1
N1205-12A	SL	SW8270_S	3550B	NA	1
N1205-13A	SL	SW8270_S	3550B	NA	1
N1205-14A	SL	SW8270_S	3550B	NA	1
N1205-15A	SL	SW8270_S	3550B	NA	1
N1205-16A	SL	SW8270_S	3550B	NA	1
N1205-17A	SL	SW8270_S	3550B	NA	1
N1205-18A	SL	SW8270_S	3550B	NA	1
SW8270_W					
N1205-06A	AQ	SW8270_W	3510C	NA	1
N1205-07A	AQ	SW8270_W	3510C	NA	1
N1205-08A	AQ	SW8270_W	3510C	NA	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** N1205

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
N1205-01A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-02A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-03A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-04A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-05A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-09A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-10A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-11A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-12A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-13A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-14A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-15A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-16A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-17A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-18A	SL	SW6010_S	7/14/2014	7/18/2014
N1205-18ADUP	SL	SW6010_S	7/14/2014	7/18/2014
N1205-18ADUP	SL	SW6010_S	7/14/2014	7/17/2014
N1205-18AMS	SL	SW6010_S	7/14/2014	7/17/2014
SW6010_W				
N1205-06D	AQ	SW6010_W	7/14/2014	7/17/2014
N1205-07D	AQ	SW6010_W	7/14/2014	7/17/2014
N1205-08D	AQ	SW6010_W	7/14/2014	7/17/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1205

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/24/14
Fax Due: 07/21/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1205-01A	SS-42-071114	07/11/2014 09:20	07/14/2014	Soil	PMoist	/					A4
N1205-01A	SS-42-071114	07/11/2014 09:20	07/14/2014	Soil	SW6010_S	/					A4
N1205-01A	SS-42-071114	07/11/2014 09:20	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-01A	SS-42-071114	07/11/2014 09:20	07/14/2014	Soil	SW9012_S	/					A4
N1205-01B	SS-42-071114	07/11/2014 09:20	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-02A	SS-43-071114	07/11/2014 09:27	07/14/2014	Soil	PMoist	/					A4
N1205-02A	SS-43-071114	07/11/2014 09:27	07/14/2014	Soil	SW6010_S	/					A4
N1205-02A	SS-43-071114	07/11/2014 09:27	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-02A	SS-43-071114	07/11/2014 09:27	07/14/2014	Soil	SW9012_S	/					A4
N1205-02B	SS-43-071114	07/11/2014 09:27	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-03A	SS-FD-05-071114	07/11/2014 09:27	07/14/2014	Soil	PMoist	/					A4
N1205-03A	SS-FD-05-071114	07/11/2014 09:27	07/14/2014	Soil	SW6010_S	/					A4
N1205-03A	SS-FD-05-071114	07/11/2014 09:27	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-03A	SS-FD-05-071114	07/11/2014 09:27	07/14/2014	Soil	SW9012_S	/					A4
N1205-03B	SS-FD-05-071114	07/11/2014 09:27	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-04A	SS-44-071114	07/11/2014 09:34	07/14/2014	Soil	PMoist	/					A4
N1205-04A	SS-44-071114	07/11/2014 09:34	07/14/2014	Soil	SW6010_S	/					A4
N1205-04A	SS-44-071114	07/11/2014 09:34	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-04A	SS-44-071114	07/11/2014 09:34	07/14/2014	Soil	SW9012_S	/					A4
N1205-04B	SS-44-071114	07/11/2014 09:34	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-05A	SS-45-071114	07/11/2014 09:40	07/14/2014	Soil	PMoist	/					A4
N1205-05A	SS-45-071114	07/11/2014 09:40	07/14/2014	Soil	SW6010_S	/					A4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1205

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/24/14
Fax Due: 07/21/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1205-05A	SS-45-071114	07/11/2014 09:40	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-05A	SS-45-071114	07/11/2014 09:40	07/14/2014	Soil	SW9012_S	/					A4
N1205-05B	SS-45-071114	07/11/2014 09:40	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-06A	GW-TP-08-071114	07/11/2014 08:47	07/14/2014	Aqueous	SW8270_W	/				Y	A4
N1205-06B	GW-TP-08-071114	07/11/2014 08:47	07/14/2014	Aqueous	SM3500_CR+	/					A4
N1205-06C	GW-TP-08-071114	07/11/2014 08:47	07/14/2014	Aqueous	SW9012_W	/					A4
N1205-06D	GW-TP-08-071114	07/11/2014 08:47	07/14/2014	Aqueous	SW6010_W	/					M4
N1205-07A	GW-DUP-01-071114	07/11/2014 08:50	07/14/2014	Aqueous	SW8270_W	/				Y	A4
N1205-07B	GW-DUP-01-071114	07/11/2014 08:50	07/14/2014	Aqueous	SM3500_CR+	/					A4
N1205-07C	GW-DUP-01-071114	07/11/2014 08:50	07/14/2014	Aqueous	SW9012_W	/					A4
N1205-07D	GW-DUP-01-071114	07/11/2014 08:50	07/14/2014	Aqueous	SW6010_W	/					M4
N1205-08A	FB-01-071114	07/11/2014 10:27	07/14/2014	Aqueous	SW8270_W	/				Y	A4
N1205-08B	FB-01-071114	07/11/2014 10:27	07/14/2014	Aqueous	SM3500_CR+	/					A4
N1205-08C	FB-01-071114	07/11/2014 10:27	07/14/2014	Aqueous	SW9012_W	/					A4
N1205-08D	FB-01-071114	07/11/2014 10:27	07/14/2014	Aqueous	SW6010_W	/					M4
N1205-09A	SS-33-071114	07/11/2014 08:00	07/14/2014	Soil	PMoist	/					A4
N1205-09A	SS-33-071114	07/11/2014 08:00	07/14/2014	Soil	SW6010_S	/					A4
N1205-09A	SS-33-071114	07/11/2014 08:00	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-09A	SS-33-071114	07/11/2014 08:00	07/14/2014	Soil	SW9012_S	/					A4

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1205

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/24/14
Fax Due: 07/21/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1205-09B	SS-33-071114	07/11/2014 08:00	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-10A	SS-34-071114	07/11/2014 08:10	07/14/2014	Soil	PMoist	/					A4
N1205-10A	SS-34-071114	07/11/2014 08:10	07/14/2014	Soil	SW6010_S	/					A4
N1205-10A	SS-34-071114	07/11/2014 08:10	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-10A	SS-34-071114	07/11/2014 08:10	07/14/2014	Soil	SW9012_S	/					A4
N1205-10B	SS-34-071114	07/11/2014 08:10	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-11A	SS-35-071114	07/11/2014 08:15	07/14/2014	Soil	PMoist	/					A4
N1205-11A	SS-35-071114	07/11/2014 08:15	07/14/2014	Soil	SW6010_S	/					A4
N1205-11A	SS-35-071114	07/11/2014 08:15	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-11A	SS-35-071114	07/11/2014 08:15	07/14/2014	Soil	SW9012_S	/					A4
N1205-11B	SS-35-071114	07/11/2014 08:15	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-12A	SS-36-071114	07/11/2014 08:22	07/14/2014	Soil	PMoist	/					A4
N1205-12A	SS-36-071114	07/11/2014 08:22	07/14/2014	Soil	SW6010_S	/					A4
N1205-12A	SS-36-071114	07/11/2014 08:22	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-12A	SS-36-071114	07/11/2014 08:22	07/14/2014	Soil	SW9012_S	/					A4
N1205-12B	SS-36-071114	07/11/2014 08:22	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-13A	SS-37-071114	07/11/2014 08:27	07/14/2014	Soil	PMoist	/					A4
N1205-13A	SS-37-071114	07/11/2014 08:27	07/14/2014	Soil	SW6010_S	/					A4
N1205-13A	SS-37-071114	07/11/2014 08:27	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-13A	SS-37-071114	07/11/2014 08:27	07/14/2014	Soil	SW9012_S	/					A4
N1205-13B	SS-37-071114	07/11/2014 08:27	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-14A	SS-FD-04-071114	07/11/2014 08:27	07/14/2014	Soil	PMoist	/					A4

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1205

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/24/14
Fax Due: 07/21/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1205-14A	SS-FD-04-071114	07/11/2014 08:27	07/14/2014	Soil	SW6010_S	/					A4
N1205-14A	SS-FD-04-071114	07/11/2014 08:27	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-14A	SS-FD-04-071114	07/11/2014 08:27	07/14/2014	Soil	SW9012_S	/					A4
N1205-14B	SS-FD-04-071114	07/11/2014 08:27	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-15A	SS-38-071114	07/11/2014 08:45	07/14/2014	Soil	PMoist	/					A4
N1205-15A	SS-38-071114	07/11/2014 08:45	07/14/2014	Soil	SW6010_S	/					A4
N1205-15A	SS-38-071114	07/11/2014 08:45	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-15A	SS-38-071114	07/11/2014 08:45	07/14/2014	Soil	SW9012_S	/					A4
N1205-15B	SS-38-071114	07/11/2014 08:45	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-16A	SS-39-071114	07/11/2014 08:52	07/14/2014	Soil	PMoist	/					A4
N1205-16A	SS-39-071114	07/11/2014 08:52	07/14/2014	Soil	SW6010_S	/					A4
N1205-16A	SS-39-071114	07/11/2014 08:52	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-16A	SS-39-071114	07/11/2014 08:52	07/14/2014	Soil	SW9012_S	/					A4
N1205-16B	SS-39-071114	07/11/2014 08:52	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-17A	SS-40-071114	07/11/2014 09:00	07/14/2014	Soil	PMoist	/					A4
N1205-17A	SS-40-071114	07/11/2014 09:00	07/14/2014	Soil	SW6010_S	/					A4
N1205-17A	SS-40-071114	07/11/2014 09:00	07/14/2014	Soil	SW8270_S	/				Y	A4
N1205-17A	SS-40-071114	07/11/2014 09:00	07/14/2014	Soil	SW9012_S	/					A4
N1205-17B	SS-40-071114	07/11/2014 09:00	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1205-18A	SS-41-071114	07/11/2014 09:10	07/14/2014	Soil	PMoist	/					A4
N1205-18A	SS-41-071114	07/11/2014 09:10	07/14/2014	Soil	SW6010_S	/					A4
N1205-18A	SS-41-071114	07/11/2014 09:10	07/14/2014	Soil	SW8270_S	/				Y	A4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1205

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/24/14
Fax Due: 07/21/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1205-18A	SS-41-071114	07/11/2014 09:10	07/14/2014	Soil	SW9012_S	/					A4
N1205-18B	SS-41-071114	07/11/2014 09:10	07/14/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1205

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C
Soil Samples were prepared following procedures in laboratory test code: SW3550B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S6
Instrument Type: GCMS-Semi
Description: HP7890A
Manufacturer: Agilent
Model: 7890A/5973
GC Column used: 30 m X 0.25 mm ID [0.25 um thickness] Rxi-5sil MS capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

FB-01-071114 (N1205-08A), recovery is above criteria for Nitrobenzene-d5 at 114% with criteria of (40-110).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

Manual integrations were performed on the following:

SS-FD-05-071114 (N1205-03A) Dibenzo(a,h)anthracene due to M6

SS-35-071114 (N1205-11A) Dibenzo(a,h)anthracene due to M6

SS-37-071114 (N1205-13A) Dibenzo(a,h)anthracene due to M6

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed:_____ _____

Date:_____7/23/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-42-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-01A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S6B8663.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	83	J
208-96-8	Acenaphthylene	120	J
83-32-9	Acenaphthene	160	J
86-73-7	Fluorene	120	J
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	300	J
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	1800	
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1300	
205-99-2	Benzo(b)fluoranthene	2000	
207-08-9	Benzo(k)fluoranthene	790	
50-32-8	Benzo(a)pyrene	1600	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenzo(a,h)anthracene	360	J
191-24-2	Benzo(g,h,i)perylene	1700	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-43-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-02A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8664.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	110	J
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	130	J
86-73-7	Fluorene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	330	J
120-12-7	Anthracene	120	J
206-44-0	Fluoranthene	860	
129-00-0	Pyrene	1000	
56-55-3	Benzo(a)anthracene	850	
218-01-9	Chrysene	1100	
205-99-2	Benzo(b)fluoranthene	1900	
207-08-9	Benzo(k)fluoranthene	680	
50-32-8	Benzo(a)pyrene	1600	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
53-70-3	Dibenzo(a,h)anthracene	330	J
191-24-2	Benzo(g,h,i)perylene	1600	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-FD-05-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-03A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8665.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	120	J
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	120	J
86-73-7	Fluorene	370	U
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	370	J
120-12-7	Anthracene	120	J
206-44-0	Fluoranthene	930	
129-00-0	Pyrene	1000	
56-55-3	Benzo(a)anthracene	860	
218-01-9	Chrysene	1100	
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	850	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	1700	
53-70-3	Dibenzo(a,h)anthracene	430	
191-24-2	Benzo(g,h,i)perylene	1700	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-44-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-04A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8666.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	140	J
208-96-8	Acenaphthylene	94	J
83-32-9	Acenaphthene	130	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	370	J
120-12-7	Anthracene	160	J
206-44-0	Fluoranthene	890	
129-00-0	Pyrene	950	
56-55-3	Benzo(a)anthracene	900	
218-01-9	Chrysene	1000	
205-99-2	Benzo(b)fluoranthene	1900	
207-08-9	Benzo(k)fluoranthene	790	
50-32-8	Benzo(a)pyrene	1600	
193-39-5	Indeno(1,2,3-cd)pyrene	1700	
53-70-3	Dibenzo(a,h)anthracene	370	J
191-24-2	Benzo(g,h,i)perylene	1700	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-45-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-05A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8667.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	100	J
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	130	J
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	540	
120-12-7	Anthracene	150	J
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	1100	
56-55-3	Benzo(a)anthracene	890	
218-01-9	Chrysene	1200	
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	710	
50-32-8	Benzo(a)pyrene	1600	
193-39-5	Indeno(1,2,3-cd)pyrene	1700	
53-70-3	Dibenzo(a,h)anthracene	370	J
191-24-2	Benzo(g,h,i)perylene	1800	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-08-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1205-06A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8691.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	2.8	J
91-20-3	Naphthalene	7.6	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	1.1	J
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	6.6	J
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-DUP-01-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1205-07A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8716.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/21/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	1.1	J
106-44-5	4-Methylphenol	2.6	J
91-20-3	Naphthalene	8.3	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	1.1	J
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	6.3	J
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-01-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1205-08A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8717.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/21/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-33-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-09A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8668.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	80	J
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	150	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	420	
120-12-7	Anthracene	130	J
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1400	
56-55-3	Benzo(a)anthracene	1300	
218-01-9	Chrysene	1800	
205-99-2	Benzo(b)fluoranthene	3000	
207-08-9	Benzo(k)fluoranthene	1200	
50-32-8	Benzo(a)pyrene	2400	
193-39-5	Indeno(1,2,3-cd)pyrene	2300	
53-70-3	Dibenzo(a,h)anthracene	570	
191-24-2	Benzo(g,h,i)perylene	2300	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-34-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-10A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8669.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 26 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
95-48-7	2-Methylphenol	450	U
106-44-5	4-Methylphenol	450	U
91-20-3	Naphthalene	680	
208-96-8	Acenaphthylene	130	J
83-32-9	Acenaphthene	700	
86-73-7	Fluorene	730	
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	4500	
120-12-7	Anthracene	1300	
206-44-0	Fluoranthene	5900	
129-00-0	Pyrene	4700	
56-55-3	Benzo(a)anthracene	3200	
218-01-9	Chrysene	3500	
205-99-2	Benzo(b)fluoranthene	5000	
207-08-9	Benzo(k)fluoranthene	1800	
50-32-8	Benzo(a)pyrene	3800	
193-39-5	Indeno(1,2,3-cd)pyrene	3100	
53-70-3	Dibenzo(a,h)anthracene	790	
191-24-2	Benzo(g,h,i)perylene	2800	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-35-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-11A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8670.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	120	J
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	J
120-12-7	Anthracene	97	J
206-44-0	Fluoranthene	650	
129-00-0	Pyrene	650	
56-55-3	Benzo(a)anthracene	650	
218-01-9	Chrysene	720	
205-99-2	Benzo(b)fluoranthene	1200	
207-08-9	Benzo(k)fluoranthene	510	
50-32-8	Benzo(a)pyrene	1000	
193-39-5	Indeno(1,2,3-cd)pyrene	970	
53-70-3	Dibenzo(a,h)anthracene	200	J
191-24-2	Benzo(g,h,i)perylene	950	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-36-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-12A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S6B8671.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	89	J
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	92	J
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	320	J
120-12-7	Anthracene	100	J
206-44-0	Fluoranthene	790	
129-00-0	Pyrene	770	
56-55-3	Benzo(a)anthracene	850	
218-01-9	Chrysene	970	
205-99-2	Benzo(b)fluoranthene	1800	
207-08-9	Benzo(k)fluoranthene	690	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	1400	
53-70-3	Dibenzo(a,h)anthracene	330	J
191-24-2	Benzo(g,h,i)perylene	1500	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-37-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-13A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S6B8672.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	92	J
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	100	J
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	310	J
120-12-7	Anthracene	100	J
206-44-0	Fluoranthene	890	
129-00-0	Pyrene	960	
56-55-3	Benzo(a)anthracene	990	
218-01-9	Chrysene	1100	
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	810	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	1700	
53-70-3	Dibenzo(a,h)anthracene	420	
191-24-2	Benzo(g,h,i)perylene	1800	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-FD-04-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-14A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S6B8673.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	110	J
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	420	U
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	300	J
120-12-7	Anthracene	110	J
206-44-0	Fluoranthene	800	
129-00-0	Pyrene	830	
56-55-3	Benzo(a)anthracene	870	
218-01-9	Chrysene	1000	
205-99-2	Benzo(b)fluoranthene	2000	
207-08-9	Benzo(k)fluoranthene	770	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1900	
53-70-3	Dibenzo(a,h)anthracene	410	J
191-24-2	Benzo(g,h,i)perylene	2000	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-38-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-15A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S6B8674.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	160	J
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	330	J
86-73-7	Fluorene	91	J
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	920	
120-12-7	Anthracene	260	J
206-44-0	Fluoranthene	2100	
129-00-0	Pyrene	2200	
56-55-3	Benzo(a)anthracene	1900	
218-01-9	Chrysene	2300	
205-99-2	Benzo(b)fluoranthene	3900	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	3300	
193-39-5	Indeno(1,2,3-cd)pyrene	3200	
53-70-3	Dibenzo(a,h)anthracene	710	
191-24-2	Benzo(g,h,i)perylene	2900	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-39-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-16A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8675.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	82	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	88	J
206-44-0	Fluoranthene	650	
129-00-0	Pyrene	640	
56-55-3	Benzo(a)anthracene	650	
218-01-9	Chrysene	840	
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	550	
50-32-8	Benzo(a)pyrene	1200	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenzo(a,h)anthracene	260	J
191-24-2	Benzo(g,h,i)perylene	1300	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-40-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-17A

Sample wt/vol: 5.5 (g/mL) G Lab File ID: S6B8676.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1100	U
95-48-7	2-Methylphenol	1100	U
106-44-5	4-Methylphenol	1100	U
91-20-3	Naphthalene	1100	U
208-96-8	Acenaphthylene	1100	U
83-32-9	Acenaphthene	1100	U
86-73-7	Fluorene	1100	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	250	J
120-12-7	Anthracene	1100	U
206-44-0	Fluoranthene	540	J
129-00-0	Pyrene	510	J
56-55-3	Benzo(a)anthracene	360	J
218-01-9	Chrysene	380	J
205-99-2	Benzo(b)fluoranthene	520	J
207-08-9	Benzo(k)fluoranthene	250	J
50-32-8	Benzo(a)pyrene	420	J
193-39-5	Indeno(1,2,3-cd)pyrene	350	J
53-70-3	Dibenzo(a,h)anthracene	1100	U
191-24-2	Benzo(g,h,i)perylene	380	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-41-071114

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1205-18A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8677.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 07/14/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	120	J
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	210	J
86-73-7	Fluorene	370	U
87-86-5	Pentachlorophenol	750	U
85-01-8	Phenanthrene	650	
120-12-7	Anthracene	200	J
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1400	
56-55-3	Benzo(a)anthracene	1300	
218-01-9	Chrysene	1500	
205-99-2	Benzo(b)fluoranthene	3000	
207-08-9	Benzo(k)fluoranthene	1100	
50-32-8	Benzo(a)pyrene	2400	
193-39-5	Indeno(1,2,3-cd)pyrene	2400	
53-70-3	Dibenzo(a,h)anthracene	540	
191-24-2	Benzo(g,h,i)perylene	2300	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78094

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-78094

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8652.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78109

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-78109

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8682.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78094

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-78094

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8653.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2400	
95-48-7	2-Methylphenol	2400	
106-44-5	4-Methylphenol	2400	
91-20-3	Naphthalene	2600	
208-96-8	Acenaphthylene	2500	
83-32-9	Acenaphthene	2400	
86-73-7	Fluorene	2500	
87-86-5	Pentachlorophenol	2100	
85-01-8	Phenanthrene	2500	
120-12-7	Anthracene	2400	
206-44-0	Fluoranthene	2500	
129-00-0	Pyrene	2700	
56-55-3	Benzo(a)anthracene	2600	
218-01-9	Chrysene	2500	
205-99-2	Benzo(b)fluoranthene	2800	
207-08-9	Benzo(k)fluoranthene	2700	
50-32-8	Benzo(a)pyrene	2700	
193-39-5	Indeno(1,2,3-cd)pyrene	2600	
53-70-3	Dibenzo(a,h)anthracene	2600	
191-24-2	Benzo(g,h,i)perylene	2600	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78109

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-78109

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8715.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/21/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	17	
95-48-7	2-Methylphenol	33	
106-44-5	4-Methylphenol	30	
91-20-3	Naphthalene	39	
208-96-8	Acenaphthylene	40	
83-32-9	Acenaphthene	40	
86-73-7	Fluorene	42	
87-86-5	Pentachlorophenol	32	
85-01-8	Phenanthrene	42	
120-12-7	Anthracene	41	
206-44-0	Fluoranthene	43	
129-00-0	Pyrene	44	
56-55-3	Benzo(a)anthracene	43	
218-01-9	Chrysene	43	
205-99-2	Benzo(b)fluoranthene	47	
207-08-9	Benzo(k)fluoranthene	46	
50-32-8	Benzo(a)pyrene	44	
193-39-5	Indeno(1,2,3-cd)pyrene	38	
53-70-3	Dibenzo(a,h)anthracene	39	
191-24-2	Benzo(g,h,i)perylene	36	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSD-78094

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-78094

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8654.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/18/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2300	
95-48-7	2-Methylphenol	2200	
106-44-5	4-Methylphenol	2200	
91-20-3	Naphthalene	2500	
208-96-8	Acenaphthylene	2400	
83-32-9	Acenaphthene	2300	
86-73-7	Fluorene	2300	
87-86-5	Pentachlorophenol	1900	
85-01-8	Phenanthrene	2400	
120-12-7	Anthracene	2300	
206-44-0	Fluoranthene	2300	
129-00-0	Pyrene	2500	
56-55-3	Benzo(a)anthracene	2500	
218-01-9	Chrysene	2400	
205-99-2	Benzo(b)fluoranthene	2600	
207-08-9	Benzo(k)fluoranthene	2600	
50-32-8	Benzo(a)pyrene	2500	
193-39-5	Indeno(1,2,3-cd)pyrene	2400	
53-70-3	Dibenzo(a,h)anthracene	2400	
191-24-2	Benzo(g,h,i)perylene	2400	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSD-78109

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-78109

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8684.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	15	
95-48-7	2-Methylphenol	30	
106-44-5	4-Methylphenol	26	
91-20-3	Naphthalene	37	
208-96-8	Acenaphthylene	40	
83-32-9	Acenaphthene	40	
86-73-7	Fluorene	44	
87-86-5	Pentachlorophenol	36	
85-01-8	Phenanthrene	43	
120-12-7	Anthracene	42	
206-44-0	Fluoranthene	45	
129-00-0	Pyrene	45	
56-55-3	Benzo(a)anthracene	45	
218-01-9	Chrysene	44	
205-99-2	Benzo(b)fluoranthene	50	
207-08-9	Benzo(k)fluoranthene	46	
50-32-8	Benzo(a)pyrene	45	
193-39-5	Indeno(1,2,3-cd)pyrene	41	
53-70-3	Dibenzo(a,h)anthracene	42	
191-24-2	Benzo(g,h,i)perylene	40	

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78109	83	74	88	30	41	84			0
02	LCSD-78109	86	78	92	24	36	87			0
03	GW-TP-08-071114	94	89	92	27	38	103			0
04	LCS-78109	92	83	94	29	44	87			0
05	GW-DUP-01-071114	103	102	124	25	39	115			0
06	FB-01-071114	114 *	103	113	24	38	100			1

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(40-110)
SDMC2	(FBP) = 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH) = Terphenyl-d14	(50-135)
SDMC4	(PHL) = Phenol-d5	(10-115)
SDMC5	(2FP) = 2-Fluorophenol	(20-110)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78094	77	71	76	65	66	72			0
02	LCS-78094	80	76	83	68	69	76			0
03	LCSD-78094	79	73	81	65	66	74			0
04	SS-42-071114	76	74	74	63	66	73			0
05	SS-43-071114	73	70	76	60	63	67			0
06	SS-FD-05-071114	82	80	86	68	69	79			0
07	SS-44-071114	81	78	81	67	70	79			0
08	SS-45-071114	80	77	77	66	69	74			0
09	SS-33-071114	87	83	81	71	75	78			0
10	SS-34-071114	83	78	73	68	71	72			0
11	SS-35-071114	78	72	73	64	66	69			0
12	SS-36-071114	75	70	69	64	66	67			0
13	SS-37-071114	76	72	74	62	65	67			0
14	SS-FD-04-071114	87	82	81	72	74	79			0
15	SS-38-071114	72	69	68	60	62	64			0
16	SS-39-071114	78	71	68	63	66	67			0
17	SS-40-071114	81	77	76	67	67	75			0
18	SS-41-071114	75	70	69	60	61	68			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78094

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Lab Sample ID: LCS-78094 LCS Lot No.: A0100278

Date Extracted: 07/16/2014 Date Analyzed (1): 07/18/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2448.3838	73		40 - 100
2-Methylphenol	3333.0000	0.0000	2383.1680	72		40 - 105
4-Methylphenol	3333.0000	0.0000	2387.3882	72		40 - 105
Naphthalene	3333.0000	0.0000	2623.3518	79		40 - 105
Acenaphthylene	3333.0000	0.0000	2509.8887	75		45 - 105
Acenaphthene	3333.0000	0.0000	2446.7650	73		45 - 110
Fluorene	3333.0000	0.0000	2470.1445	74		50 - 110
Pentachlorophenol	3333.0000	0.0000	2117.9321	64		25 - 120
Phenanthrene	3333.0000	0.0000	2511.1715	75		50 - 110
Anthracene	3333.0000	0.0000	2421.9340	73		55 - 105
Fluoranthene	3333.0000	0.0000	2468.7130	74		55 - 115
Pyrene	3333.0000	0.0000	2700.2560	81		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2555.4836	77		50 - 110
Chrysene	3333.0000	0.0000	2546.4858	76		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2800.1447	84		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2720.3564	82		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2695.5915	81		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	2621.7477	79		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2622.2753	79		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	2615.2389	78		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78109

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Lab Sample ID: LCS-78109 LCS Lot No.: A0100278

Date Extracted: 07/17/2014 Date Analyzed (1): 07/21/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	17.1692	34		0 - 115
2-Methylphenol	50.0000	0.0000	32.5679	65		40 - 110
4-Methylphenol	50.0000	0.0000	29.9730	60		30 - 110
Naphthalene	50.0000	0.0000	39.3106	79		40 - 100
Acenaphthylene	50.0000	0.0000	40.4485	81		50 - 105
Acenaphthene	50.0000	0.0000	40.2947	81		45 - 110
Fluorene	50.0000	0.0000	41.9963	84		50 - 110
Pentachlorophenol	50.0000	0.0000	32.4268	65		40 - 115
Phenanthrene	50.0000	0.0000	41.5505	83		50 - 115
Anthracene	50.0000	0.0000	41.0663	82		55 - 110
Fluoranthene	50.0000	0.0000	42.6143	85		55 - 115
Pyrene	50.0000	0.0000	44.1890	88		50 - 130
Benzo(a)anthracene	50.0000	0.0000	43.1215	86		55 - 110
Chrysene	50.0000	0.0000	42.8204	86		55 - 110
Benzo(b)fluoranthene	50.0000	0.0000	47.3755	95		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	45.7844	92		45 - 125
Benzo(a)pyrene	50.0000	0.0000	43.7663	88		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	38.4702	77		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	38.9168	78		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	36.3170	73		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.
LCSD-78094

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Lab Sample ID: LCSD-78094 LCS Lot No.: A0100278

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	3333.0000	2258.1720	68		7		40	40 - 100
2-Methylphenol	3333.0000	2184.6814	66		9		40	40 - 105
4-Methylphenol	3333.0000	2182.4969	65		10		40	40 - 105
Naphthalene	3333.0000	2522.0404	76		4		40	40 - 105
Acenaphthylene	3333.0000	2359.0208	71		5		40	45 - 105
Acenaphthene	3333.0000	2322.0272	70		4		40	45 - 110
Fluorene	3333.0000	2304.6508	69		7		40	50 - 110
Pentachlorophenol	3333.0000	1930.5552	58		10		40	25 - 120
Phenanthrene	3333.0000	2364.0106	71		5		40	50 - 110
Anthracene	3333.0000	2287.8964	69		6		40	55 - 105
Fluoranthene	3333.0000	2319.0668	70		6		40	55 - 115
Pyrene	3333.0000	2538.6046	76		6		40	45 - 125
Benzo(a)anthracene	3333.0000	2478.9900	74		4		40	50 - 110
Chrysene	3333.0000	2423.4565	73		4		40	55 - 110
Benzo(b)fluoranthene	3333.0000	2598.4010	78		7		40	45 - 115
Benzo(k)fluoranthene	3333.0000	2570.9251	77		6		40	45 - 125
Benzo(a)pyrene	3333.0000	2474.8735	74		9		40	50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	2355.6080	71		11		40	40 - 120
Dibenzo(a,h)anthracene	3333.0000	2402.1402	72		9		40	40 - 125
Benzo(g,h,i)perylene	3333.0000	2369.3728	71		9		40	40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

LCSD-78109

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Lab Sample ID: LCSD-78109 LCS Lot No.: A0100278

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0000	15.1143	30		13		40	0 - 115
2-Methylphenol	50.0000	30.0968	60		8		40	40 - 110
4-Methylphenol	50.0000	26.4686	53		12		40	30 - 110
Naphthalene	50.0000	37.2156	74		7		40	40 - 100
Acenaphthylene	50.0000	40.0502	80		1		40	50 - 105
Acenaphthene	50.0000	39.7964	80		1		40	45 - 110
Fluorene	50.0000	43.5785	87		4		40	50 - 110
Pentachlorophenol	50.0000	36.0017	72		10		40	40 - 115
Phenanthrene	50.0000	42.5958	85		2		40	50 - 115
Anthracene	50.0000	41.9382	84		2		40	55 - 110
Fluoranthene	50.0000	44.7969	90		6		40	55 - 115
Pyrene	50.0000	44.9029	90		2		40	50 - 130
Benzo(a)anthracene	50.0000	44.5994	89		3		40	55 - 110
Chrysene	50.0000	44.2608	89		3		40	55 - 110
Benzo(b)fluoranthene	50.0000	49.6666	99		4		40	45 - 120
Benzo(k)fluoranthene	50.0000	46.4052	93		1		40	45 - 125
Benzo(a)pyrene	50.0000	45.2343	90		2		40	55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	40.9390	82		6		40	45 - 125
Dibenzo(a,h)anthracene	50.0000	42.4915	85		9		40	40 - 125
Benzo(g,h,i)perylene	50.0000	39.7902	80		9		40	40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

4C - FORM IV SV
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
MB-78094

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Lab File ID: S6B8652.D Lab Sample ID: MB-78094

Instrument ID: S6 Date Extracted: 07/16/2014

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 07/18/2014

Level: (LOW/MED) LOW Time Analyzed: 12:47

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-78094	LCS-78094	S6B8653.D	07/18/2014
02	LCSD-78094	LCSD-78094	S6B8654.D	07/18/2014
03	SS-42-071114	N1205-01A	S6B8663.D	07/18/2014
04	SS-43-071114	N1205-02A	S6B8664.D	07/18/2014
05	SS-FD-05-071114	N1205-03A	S6B8665.D	07/18/2014
06	SS-44-071114	N1205-04A	S6B8666.D	07/18/2014
07	SS-45-071114	N1205-05A	S6B8667.D	07/18/2014
08	SS-33-071114	N1205-09A	S6B8668.D	07/18/2014
09	SS-34-071114	N1205-10A	S6B8669.D	07/18/2014
10	SS-35-071114	N1205-11A	S6B8670.D	07/18/2014
11	SS-36-071114	N1205-12A	S6B8671.D	07/18/2014
12	SS-37-071114	N1205-13A	S6B8672.D	07/18/2014
13	SS-FD-04-071114	N1205-14A	S6B8673.D	07/18/2014
14	SS-38-071114	N1205-15A	S6B8674.D	07/18/2014
15	SS-39-071114	N1205-16A	S6B8675.D	07/18/2014
16	SS-40-071114	N1205-17A	S6B8676.D	07/18/2014
17	SS-41-071114	N1205-18A	S6B8677.D	07/18/2014

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78109

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

Lab File ID: S6B8682.D Lab Sample ID: MB-78109

Instrument ID: S6 Date Extracted: 07/17/2014

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 07/20/2014

Level: (LOW/MED) LOW Time Analyzed: 13:59

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCSD-78109	LCSD-78109	S6B8684.D	07/20/2014
02	GW-TP-08-071114	N1205-06A	S6B8691.D	07/20/2014
03	LCS-78109	LCS-78109	S6B8715.D	07/21/2014
04	GW-DUP-01-071114	N1205-07A	S6B8716.D	07/21/2014
05	FB-01-071114	N1205-08A	S6B8717.D	07/21/2014

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256K Date Analyzed: 07/18/2014

Lab File ID (Standard): S6B8649.D Time Analyzed: 11:32

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	266235		4.925		1007805		6.001		653026		7.464	
	UPPER LIMIT	532470		5.425		2015610		6.501		1306052		7.964	
	LOWER LIMIT	133118		4.425		503903		5.501		326513		6.964	
	EPA SAMPLE NO.												
01	MB-78094	304676		4.925		1051241		6.000		699411		7.463	
02	LCS-78094	337080		4.925		1160666		6.006		762536		7.464	
03	LCSD-78094	343919		4.925		1146495		6.006		751838		7.463	
04	SS-42-071114	286444		4.925		980551		6.000		613655		7.463	
05	SS-43-071114	321204		4.925		1098839		6.001		698640		7.464	
06	SS-FD-05-071114	317327		4.925		1083069		6.000		686628		7.463	
07	SS-44-071114	273761		4.925		933465		6.001		591378		7.464	
08	SS-45-071114	294267		4.925		1011995		6.001		631196		7.464	
09	SS-33-071114	266393		4.925		901851		6.000		570927		7.464	
10	SS-34-071114	257123		4.925		864604		6.000		555307		7.463	
11	SS-35-071114	278856		4.925		943771		6.000		602983		7.463	
12	SS-36-071114	251064		4.925		870188		6.001		566848		7.464	
13	SS-37-071114	281584		4.925		941375		6.001		597613		7.464	
14	SS-FD-04-071114	273896		4.925		931460		6.001		598800		7.464	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256K Date Analyzed: 07/18/2014

Lab File ID (Standard): S6B8649.D Time Analyzed: 11:32

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	266235		4.925		1007805		6.001		653026		7.464	
	UPPER LIMIT	532470		5.425		2015610		6.501		1306052		7.964	
	LOWER LIMIT	133118		4.425		503903		5.501		326513		6.964	
	EPA SAMPLE NO.												
15	SS-38-071114	284982		4.925		971965		6.001		611868		7.464	
16	SS-39-071114	283898		4.925		954358		6.000		625400		7.463	
17	SS-40-071114	307038		4.925		1030736		6.001		663458		7.464	
18	SS-41-071114	258924		4.925		867025		6.001		549140		7.464	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

EPA Sample No.(SSTD020##) SSTD0256K Date Analyzed: 07/18/2014

Lab File ID (Standard): S6B8649.D Time Analyzed: 11:32

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1369057		8.697		1465584		11.077		1323378		13.357	
	UPPER LIMIT	2738114		9.197		2931168		11.577		2646756		13.857	
	LOWER LIMIT	684529		8.197		732792		10.577		661689		12.857	
	EPA SAMPLE NO.												
01	MB-78094	1376696		8.691		1353952		11.053		1030138		13.327	
02	LCS-78094	1474145		8.697		1373856		11.065		1075001		13.333	
03	LCSD-78094	1436960		8.697		1331611		11.059		1034358		13.327	
04	SS-42-071114	1190342		8.691		1148361		11.059		1178505		13.345	
05	SS-43-071114	1279853		8.692		1108470		11.048		1107859		13.333	
06	SS-FD-05-071114	1295112		8.691		1172252		11.059		1175782		13.345	
07	SS-44-071114	1132028		8.692		1117739		11.054		1137687		13.339	
08	SS-45-071114	1188291		8.692		1107408		11.048		1160967		13.333	
09	SS-33-071114	1084663		8.692		1098370		11.054		1153737		13.339	
10	SS-34-071114	1074915		8.691		1173099		11.053		1196684		13.339	
11	SS-35-071114	1156223		8.691		1124353		11.048		1150511		13.327	
12	SS-36-071114	1090052		8.692		1158411		11.048		1176527		13.333	
13	SS-37-071114	1123050		8.692		1086029		11.048		1158505		13.333	
14	SS-FD-04-071114	1111141		8.692		1124731		11.048		1177622		13.333	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

EPA Sample No.(SSTD020##) SSTD0256K Date Analyzed: 07/18/2014

Lab File ID (Standard): S6B8649.D Time Analyzed: 11:32

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1369057		8.697		1465584		11.077		1323378		13.357	
	UPPER LIMIT	2738114		9.197		2931168		11.577		2646756		13.857	
	LOWER LIMIT	684529		8.197		732792		10.577		661689		12.857	
	EPA SAMPLE NO.												
15	SS-38-071114	1143381		8.698		1117835		11.054		1183221		13.339	
16	SS-39-071114	1170847		8.697		1226310		11.053		1269001		13.339	
17	SS-40-071114	1259385		8.692		1247667		11.048		1258307		13.327	
18	SS-41-071114	1065012		8.692		1198967		11.054		1228318		13.339	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256L Date Analyzed: 07/20/2014

Lab File ID (Standard): S6B8679.D Time Analyzed: 12:41

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	301198		4.896		1153873		5.977		784649		7.434	
	UPPER LIMIT	602396		5.396		2307746		6.477		1569298		7.934	
	LOWER LIMIT	150599		4.396		576937		5.477		392325		6.934	
	EPA SAMPLE NO.												
01	MB-78109	278941		4.896		1118522		5.971		835028		7.434	
02	LCSD-78109	271550		4.896		995083		5.971		689455		7.434	
03	GW-TP-08-071114	207023		4.890		852281		5.971		633987		7.428	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

EPA Sample No.(SSTD020##) SSTD0256L Date Analyzed: 07/20/2014

Lab File ID (Standard): S6B8679.D Time Analyzed: 12:41

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1762801		8.668		1971522		11.012		1588600		13.257	
	UPPER LIMIT	3525602		9.168		3943044		11.512		3177200		13.757	
	LOWER LIMIT	881401		8.168		985761		10.512		794300		12.757	
	EPA SAMPLE NO.												
01	MB-78109	1833190		8.662		2135243		11.006		1823790		13.251	
02	LCSD-78109	1480701		8.662		1523879		11.006		1171080		13.239	
03	GW-TP-08-071114	1408354		8.662		1701846		11.012		1489206		13.257	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256M Date Analyzed: 07/21/2014

Lab File ID (Standard): S6B8714.D Time Analyzed: 10:34

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	299903		4.872		1200055		5.953		799795		7.411	
	UPPER LIMIT	599806		5.372		2400110		6.453		1599590		7.911	
	LOWER LIMIT	149952		4.372		600028		5.453		399898		6.911	
	EPA SAMPLE NO.												
01	LCS-78109	358610		4.872		1296552		5.953		894668		7.417	
02	GW-DUP-01-071114	293017		4.872		1041164		5.948		693576		7.411	
03	FB-01-071114	261673		4.872		930338		5.948		649023		7.411	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1205 Mod. Ref No.: SDG No.: SN1205

EPA Sample No.(SSTD020##) SSTD0256M Date Analyzed: 07/21/2014

Lab File ID (Standard): S6B8714.D Time Analyzed: 10:34

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1703643		8.644		1920110		11.006		1657570		13.239	
	UPPER LIMIT	3407286		9.144		3840220		11.506		3315140		13.739	
	LOWER LIMIT	851822		8.144		960055		10.506		828785		12.739	
	EPA SAMPLE NO.												
01	LCS-78109	1835931		8.645		1800439		11.036		1345338		13.274	
02	GW-DUP-01-071114	1402824		8.645		1273704		10.995		942473		13.233	
03	FB-01-071114	1381776		8.644		1474058		10.989		1185885		13.216	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals/ Cyanide *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1205

SW846 6010C, SW846 9012B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test codes: SW846 6010C, SW846 9012B

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW9012B
Soil Samples were prepared following procedures in laboratory test code: SW3050B
Soil Samples were prepared following procedures in laboratory test code: SW9012B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: LACHAT1
Instrument Type: WC
Description: Flow Injection Analyzer
Manufacturer: Zellweger Analytics
Model: Quik-Chem 8000

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on samples: SS-40-071114 (N1205-17AMS) and SS-41-071114 (N1205-18AMS).

Percent recoveries were within the QC limits with the following exceptions:

SS-40-071114 (N1205-17AMS), recovery is above criteria for Cyanide at 129% with criteria of (75-125).

SS-41-071114 (N1205-18AMS), recovery is above criteria for Arsenic at 141% with criteria of (80-120), recovery is below criteria for Antimony at 37% with criteria of (80-120), Chromium at 62%

with criteria of (80-120), Nickel at 58% with criteria of (80-120), Selenium at 74% with criteria of (80-120) and Thallium at 68% with criteria of (80-120).

D. Post Digestion Spike (PDS):

Post-digestion spike analysis was performed on samples: SS-40-071114 (N1205-17APDS) and SS-41-071114 (N1205-18APDS).

SS-40-071114 (N1205-17APDS) for Cyanide due to recovery of this element outside of QC limits in the matrix spike.

SS-41-071114 (N1205-18APDS) for Antimony, Arsenic, Chromium, Nickel, Selenium and Thallium due to recoveries of these elements outside of QC limits in the matrix spike.

E. Duplicate sample:

Duplicate analyses were performed on samples: SS-40-071114 (N1205-17ADUP) and SS-41-071114 (N1205-18ADUP).

Relative percent differences were within the QC limits with the following exceptions:

SS-40-071114 (N1205-17ADUP), Duplicate analysis not within control limit for Cyanide.

SS-41-071114 (N1205-18ADUP), Duplicate analysis not within control limit for Antimony, Chromium, Sodium and Vanadium.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on sample: SS-41-071114 (N1205-18ASD).

Percent differences were within the QC limits with the exception of the following:

SS-41-071114 (N1205-18ASD), Serial Dilution analysis not within control limit for Arsenic, Cadmium, Cobalt, Lead, Magnesium, Nickel, Vanadium and Zinc.

G. Samples:

Samples GW-TP-08-071114 (N1205-06C) and GW-DUP-01-071114 (N1205-07C) both required a 20x dilution for Cyanide as well as treatment with Cadmium Carbonate. Several samples required

dilution for inorganic salts in the metals fraction. No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/24/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET FB-01-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): WATER Lab Sample ID: N1205-08

Level (low/med): MED Date Received: 07/14/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	1.1	U		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	110	U		P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	249	B		P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	52.8	B		P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	7.5	U		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GW-DUP-01-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): WATER Lab Sample ID: N1205-07

Level (low/med): MED Date Received: 07/14/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1140			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	49.4	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	116000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	2800			P
7439-92-1	Lead	7.3	B		P
7439-95-4	Magnesium	262	B		P
7439-96-5	Manganese	33.2	B		P
7440-02-0	Nickel	7.8	B		P
7440-09-7	Potassium	323000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	61600			P
7440-28-0	Thallium	21.5			P
7440-62-2	Vanadium	3.4	B		P
7440-66-6	Zinc	21.7	B		P
57-12-5	Cyanide	3510			CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET GW-TP-08-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): WATER Lab Sample ID: N1205-06

Level (low/med): MED Date Received: 07/14/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1140			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	49.5	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	117000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	2700			P
7439-92-1	Lead	7.4	B		P
7439-95-4	Magnesium	233	B		P
7439-96-5	Manganese	29.0	B		P
7440-02-0	Nickel	7.7	B		P
7440-09-7	Potassium	318000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	61000			P
7440-28-0	Thallium	19.6	B		P
7440-62-2	Vanadium	2.9	B		P
7440-66-6	Zinc	19.9	B		P
57-12-5	Cyanide	4010			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-33-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-09

Level (low/med): MED Date Received: 07/14/2014

% Solids: 84.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9440			P
7440-36-0	Antimony	1.0		N*	P
7440-38-2	Arsenic	14.1		NE	P
7440-39-3	Barium	95.7			P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	8.0		E	P
7440-70-2	Calcium	38900			P
7440-47-3	Chromium	70.8		N*	P
7440-48-4	Cobalt	9.0		E	P
7440-50-8	Copper	151			P
7439-89-6	Iron	143000			P
7439-92-1	Lead	301		E	P
7439-95-4	Magnesium	8010		E	P
7439-96-5	Manganese	3680			P
7440-02-0	Nickel	37.8		NE	P
7440-09-7	Potassium	1440			P
7782-49-2	Selenium	0.61	U	N	P
7440-22-4	Silver	0.53	B		P
7440-23-5	Sodium	234		*	P
7440-28-0	Thallium	0.21	U	N	P
7440-62-2	Vanadium	21.7		*E	P
7440-66-6	Zinc	620		E	P
57-12-5	Cyanide	3.1		N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-34-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-10

Level (low/med): MED Date Received: 07/14/2014

% Solids: 74.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15000			P
7440-36-0	Antimony	1.6		N*	P
7440-38-2	Arsenic	12.6		NE	P
7440-39-3	Barium	146			P
7440-41-7	Beryllium	1.6			P
7440-43-9	Cadmium	5.8		E	P
7440-70-2	Calcium	84700			P
7440-47-3	Chromium	42.1		N*	P
7440-48-4	Cobalt	7.8		E	P
7440-50-8	Copper	109			P
7439-89-6	Iron	95000			P
7439-92-1	Lead	265		E	P
7439-95-4	Magnesium	16000		E	P
7439-96-5	Manganese	2990			P
7440-02-0	Nickel	26.7		NE	P
7440-09-7	Potassium	1730			P
7782-49-2	Selenium	0.73	B	N	P
7440-22-4	Silver	0.61	B		P
7440-23-5	Sodium	353		*	P
7440-28-0	Thallium	0.18	U	N	P
7440-62-2	Vanadium	24.0		*E	P
7440-66-6	Zinc	605		E	P
57-12-5	Cyanide	0.49	U	N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-35-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-11

Level (low/med): MED Date Received: 07/14/2014

% Solids: 80.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7000			P
7440-36-0	Antimony	1.6		N*	P
7440-38-2	Arsenic	22.4		NE	P
7440-39-3	Barium	85.9			P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	9.4		E	P
7440-70-2	Calcium	46000			P
7440-47-3	Chromium	33.2		N*	P
7440-48-4	Cobalt	7.9		E	P
7440-50-8	Copper	127			P
7439-89-6	Iron	157000			P
7439-92-1	Lead	191		E	P
7439-95-4	Magnesium	8810		E	P
7439-96-5	Manganese	4090			P
7440-02-0	Nickel	19.5		NE	P
7440-09-7	Potassium	938			P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.43	B		P
7440-23-5	Sodium	179		*	P
7440-28-0	Thallium	0.19	U	N	P
7440-62-2	Vanadium	23.6		*E	P
7440-66-6	Zinc	689		E	P
57-12-5	Cyanide	0.49	U	N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-36-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-12

Level (low/med): MED Date Received: 07/14/2014

% Solids: 77.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8840			P
7440-36-0	Antimony	1.2		N*	P
7440-38-2	Arsenic	11.2		NE	P
7440-39-3	Barium	98.2			P
7440-41-7	Beryllium	1.4			P
7440-43-9	Cadmium	9.1		E	P
7440-70-2	Calcium	44400			P
7440-47-3	Chromium	93.7		N*	P
7440-48-4	Cobalt	8.3		E	P
7440-50-8	Copper	189			P
7439-89-6	Iron	157000			P
7439-92-1	Lead	418		E	P
7439-95-4	Magnesium	9500		E	P
7439-96-5	Manganese	3630			P
7440-02-0	Nickel	47.3		NE	P
7440-09-7	Potassium	1130			P
7782-49-2	Selenium	0.55	U	N	P
7440-22-4	Silver	0.73	B		P
7440-23-5	Sodium	241		*	P
7440-28-0	Thallium	0.19	U	N	P
7440-62-2	Vanadium	19.0		*E	P
7440-66-6	Zinc	1320		E	P
57-12-5	Cyanide	6.8		N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-37-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-13

Level (low/med): MED Date Received: 07/14/2014

% Solids: 79.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20900			P
7440-36-0	Antimony	0.63	B	N*	P
7440-38-2	Arsenic	7.0		NE	P
7440-39-3	Barium	196			P
7440-41-7	Beryllium	4.6			P
7440-43-9	Cadmium	4.2		E	P
7440-70-2	Calcium	107000			P
7440-47-3	Chromium	37.4		N*	P
7440-48-4	Cobalt	4.6		E	P
7440-50-8	Copper	116			P
7439-89-6	Iron	83300			P
7439-92-1	Lead	212		E	P
7439-95-4	Magnesium	19100		E	P
7439-96-5	Manganese	3720			P
7440-02-0	Nickel	21.2		NE	P
7440-09-7	Potassium	2130			P
7782-49-2	Selenium	1.2	B	N	P
7440-22-4	Silver	0.41	B		P
7440-23-5	Sodium	473		*	P
7440-28-0	Thallium	0.21	U	N	P
7440-62-2	Vanadium	12.7		*E	P
7440-66-6	Zinc	563		E	P
57-12-5	Cyanide	6.9		N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-38-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-15

Level (low/med): MED Date Received: 07/14/2014

% Solids: 80.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9100			P
7440-36-0	Antimony	2.9		N*	P
7440-38-2	Arsenic	14.0		NE	P
7440-39-3	Barium	96.5			P
7440-41-7	Beryllium	1.3			P
7440-43-9	Cadmium	11.1		E	P
7440-70-2	Calcium	44700			P
7440-47-3	Chromium	139		N*	P
7440-48-4	Cobalt	9.9		E	P
7440-50-8	Copper	206			P
7439-89-6	Iron	182000			P
7439-92-1	Lead	427		E	P
7439-95-4	Magnesium	10200		E	P
7439-96-5	Manganese	4510			P
7440-02-0	Nickel	150		NE	P
7440-09-7	Potassium	1240			P
7782-49-2	Selenium	0.58	U	N	P
7440-22-4	Silver	0.54	B		P
7440-23-5	Sodium	209		*	P
7440-28-0	Thallium	0.20	U	N	P
7440-62-2	Vanadium	30.3		*E	P
7440-66-6	Zinc	671		E	P
57-12-5	Cyanide	6.3		N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-39-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-16

Level (low/med): MED Date Received: 07/14/2014

% Solids: 82.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10400			P
7440-36-0	Antimony	1.1		N*	P
7440-38-2	Arsenic	12.9		NE	P
7440-39-3	Barium	120			P
7440-41-7	Beryllium	1.6			P
7440-43-9	Cadmium	9.8		E	P
7440-70-2	Calcium	47200			P
7440-47-3	Chromium	101		N*	P
7440-48-4	Cobalt	9.1		E	P
7440-50-8	Copper	191			P
7439-89-6	Iron	161000			P
7439-92-1	Lead	375		E	P
7439-95-4	Magnesium	9840		E	P
7439-96-5	Manganese	3980			P
7440-02-0	Nickel	65.1		NE	P
7440-09-7	Potassium	1370			P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.53	B		P
7440-23-5	Sodium	303		*	P
7440-28-0	Thallium	0.18	U	N	P
7440-62-2	Vanadium	21.2		*E	P
7440-66-6	Zinc	795		E	P
57-12-5	Cyanide	4.3		N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-40-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-17

Level (low/med): MED Date Received: 07/14/2014

% Solids: 83.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3960			P
7440-36-0	Antimony	0.82		N*	P
7440-38-2	Arsenic	2.5		NE	P
7440-39-3	Barium	28.3			P
7440-41-7	Beryllium	0.24			P
7440-43-9	Cadmium	0.67		E	P
7440-70-2	Calcium	53800			P
7440-47-3	Chromium	7.8		N*	P
7440-48-4	Cobalt	2.9		E	P
7440-50-8	Copper	19.7			P
7439-89-6	Iron	11600			P
7439-92-1	Lead	27.3		E	P
7439-95-4	Magnesium	22600		E	P
7439-96-5	Manganese	392			P
7440-02-0	Nickel	8.0		NE	P
7440-09-7	Potassium	596			P
7782-49-2	Selenium	1.6		N	P
7440-22-4	Silver	0.040	U		P
7440-23-5	Sodium	92.6		*	P
7440-28-0	Thallium	1.5		N	P
7440-62-2	Vanadium	9.6		*E	P
7440-66-6	Zinc	72.5		E	P
57-12-5	Cyanide	0.53	U	N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-41-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-18

Level (low/med): MED Date Received: 07/14/2014

% Solids: 87.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9180			P
7440-36-0	Antimony	1.3		N*	P
7440-38-2	Arsenic	11.0		NE	P
7440-39-3	Barium	106			P
7440-41-7	Beryllium	1.3			P
7440-43-9	Cadmium	10.5		E	P
7440-70-2	Calcium	45700			P
7440-47-3	Chromium	104		N*	P
7440-48-4	Cobalt	9.1		E	P
7440-50-8	Copper	178			P
7439-89-6	Iron	161000			P
7439-92-1	Lead	406		E	P
7439-95-4	Magnesium	9620		E	P
7439-96-5	Manganese	3700			P
7440-02-0	Nickel	84.9		NE	P
7440-09-7	Potassium	1290			P
7782-49-2	Selenium	0.44	U	N	P
7440-22-4	Silver	0.50	B		P
7440-23-5	Sodium	226		*	P
7440-28-0	Thallium	0.15	U	N	P
7440-62-2	Vanadium	18.1		*E	P
7440-66-6	Zinc	750		E	P
57-12-5	Cyanide	0.45	U		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-42-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-01

Level (low/med): MED Date Received: 07/14/2014

% Solids: 86.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9550			P
7440-36-0	Antimony	2.2		N*	P
7440-38-2	Arsenic	11.5		NE	P
7440-39-3	Barium	101			P
7440-41-7	Beryllium	1.5			P
7440-43-9	Cadmium	8.1		E	P
7440-70-2	Calcium	48000			P
7440-47-3	Chromium	71.0		N*	P
7440-48-4	Cobalt	7.6		E	P
7440-50-8	Copper	169			P
7439-89-6	Iron	128000			P
7439-92-1	Lead	405		E	P
7439-95-4	Magnesium	10400		E	P
7439-96-5	Manganese	3240			P
7440-02-0	Nickel	42.2		NE	P
7440-09-7	Potassium	1120			P
7782-49-2	Selenium	0.44	U	N	P
7440-22-4	Silver	0.60	B		P
7440-23-5	Sodium	237		*	P
7440-28-0	Thallium	0.15	U	N	P
7440-62-2	Vanadium	17.9		*E	P
7440-66-6	Zinc	941		E	P
57-12-5	Cyanide	0.49	U	N*	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SS-43-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-02

Level (low/med): MED Date Received: 07/14/2014

% Solids: 85.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9210			P
7440-36-0	Antimony	1.6		N*	P
7440-38-2	Arsenic	6.6		NE	P
7440-39-3	Barium	120			P
7440-41-7	Beryllium	1.6			P
7440-43-9	Cadmium	7.8		E	P
7440-70-2	Calcium	53000			P
7440-47-3	Chromium	72.7		N*	P
7440-48-4	Cobalt	6.7		E	P
7440-50-8	Copper	238			P
7439-89-6	Iron	128000			P
7439-92-1	Lead	246		E	P
7439-95-4	Magnesium	10900		E	P
7439-96-5	Manganese	3540			P
7440-02-0	Nickel	36.3		NE	P
7440-09-7	Potassium	1290			P
7782-49-2	Selenium	0.40	U	N	P
7440-22-4	Silver	0.35	B		P
7440-23-5	Sodium	353		*	P
7440-28-0	Thallium	0.14	U	N	P
7440-62-2	Vanadium	15.1		*E	P
7440-66-6	Zinc	721		E	P
57-12-5	Cyanide	1.9		N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-44-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-04

Level (low/med): MED Date Received: 07/14/2014

% Solids: 83.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10300			P
7440-36-0	Antimony	1.5		N*	P
7440-38-2	Arsenic	10.6		NE	P
7440-39-3	Barium	105			P
7440-41-7	Beryllium	1.7			P
7440-43-9	Cadmium	7.7		E	P
7440-70-2	Calcium	48200			P
7440-47-3	Chromium	81.8		N*	P
7440-48-4	Cobalt	7.4		E	P
7440-50-8	Copper	146			P
7439-89-6	Iron	138000			P
7439-92-1	Lead	349		E	P
7439-95-4	Magnesium	9950		E	P
7439-96-5	Manganese	3560			P
7440-02-0	Nickel	45.7		NE	P
7440-09-7	Potassium	1600			P
7782-49-2	Selenium	0.60	U	N	P
7440-22-4	Silver	0.50	B		P
7440-23-5	Sodium	269		*	P
7440-28-0	Thallium	0.21	U	N	P
7440-62-2	Vanadium	18.3		*E	P
7440-66-6	Zinc	749		E	P
57-12-5	Cyanide	0.53	U	N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-45-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-05

Level (low/med): MED Date Received: 07/14/2014

% Solids: 79.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12900			P
7440-36-0	Antimony	1.9		N*	P
7440-38-2	Arsenic	12.6		NE	P
7440-39-3	Barium	117			P
7440-41-7	Beryllium	1.7			P
7440-43-9	Cadmium	9.3		E	P
7440-70-2	Calcium	54000			P
7440-47-3	Chromium	88.7		N*	P
7440-48-4	Cobalt	8.3		E	P
7440-50-8	Copper	187			P
7439-89-6	Iron	145000			P
7439-92-1	Lead	526		E	P
7439-95-4	Magnesium	11200		E	P
7439-96-5	Manganese	4380			P
7440-02-0	Nickel	44.7		NE	P
7440-09-7	Potassium	1820			P
7782-49-2	Selenium	0.51	U	N	P
7440-22-4	Silver	0.96	B		P
7440-23-5	Sodium	444		*	P
7440-28-0	Thallium	0.17	U	N	P
7440-62-2	Vanadium	20.9		*E	P
7440-66-6	Zinc	949		E	P
57-12-5	Cyanide	6.3		N*	CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SS-FD-04-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-14

Level (low/med): MED Date Received: 07/14/2014

% Solids: 76.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8920			P
7440-36-0	Antimony	0.66	B	N*	P
7440-38-2	Arsenic	9.3		NE	P
7440-39-3	Barium	91.6			P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	7.0		E	P
7440-70-2	Calcium	35600			P
7440-47-3	Chromium	61.3		N*	P
7440-48-4	Cobalt	7.3		E	P
7440-50-8	Copper	191			P
7439-89-6	Iron	125000			P
7439-92-1	Lead	334		E	P
7439-95-4	Magnesium	7640		E	P
7439-96-5	Manganese	3310			P
7440-02-0	Nickel	32.1		NE	P
7440-09-7	Potassium	1560			P
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.74	B		P
7440-23-5	Sodium	235		*	P
7440-28-0	Thallium	0.17	U	N	P
7440-62-2	Vanadium	17.1		*E	P
7440-66-6	Zinc	1230		E	P
57-12-5	Cyanide	0.48	U	N*	CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-FD-05-071114

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Lab Sample ID: N1205-03

Level (low/med): MED Date Received: 07/14/2014

% Solids: 86.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9160			P
7440-36-0	Antimony	1.6		N*	P
7440-38-2	Arsenic	9.3		NE	P
7440-39-3	Barium	105			P
7440-41-7	Beryllium	1.5			P
7440-43-9	Cadmium	8.9		E	P
7440-70-2	Calcium	44300			P
7440-47-3	Chromium	108		N*	P
7440-48-4	Cobalt	10.7		E	P
7440-50-8	Copper	188			P
7439-89-6	Iron	162000			P
7439-92-1	Lead	307		E	P
7439-95-4	Magnesium	10900		E	P
7439-96-5	Manganese	2630			P
7440-02-0	Nickel	45.4		NE	P
7440-09-7	Potassium	1140			P
7782-49-2	Selenium	0.70	U	N	P
7440-22-4	Silver	0.35	B		P
7440-23-5	Sodium	270		*	P
7440-28-0	Thallium	0.24	U	N	P
7440-62-2	Vanadium	17.7		*E	P
7440-66-6	Zinc	537		E	P
57-12-5	Cyanide	4.3		N*	CA

Comments:

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78084

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	436.1		364	546.0	95.8
Antimony				22.8	22.6		18.2	27.3	99.1
Arsenic				22.8	22.6		18.2	27.3	99.1
Barium				455.0	449.6		364	546.0	98.8
Beryllium				11.4	11.0		9.1	13.6	96.5
Cadmium				11.4	11.3		9.1	13.6	99.1
Calcium				1135.0	1049.8		908	1362.0	92.5
Chromium				45.5	44.6		36.4	54.6	98.0
Cobalt				113.5	110.3		90.8	136.2	97.2
Copper				56.5	55.2		45.2	67.8	97.7
Iron				227.5	232.6		182	273.0	102.2
Lead				22.8	22.5		18.2	27.3	98.7
Magnesium				1135.0	1110.7		908	1362.0	97.9
Manganese				113.5	113.4		90.8	136.2	99.9
Nickel				113.5	110.0		90.8	136.2	96.9
Potassium				1135.0	1112.7		908	1362.0	98.0
Selenium				22.8	21.9		18.2	27.3	96.1
Silver				56.5	54.9		42.4	67.8	97.2
Sodium				1135.0	1116.4		908	1362.0	98.4
Thallium				22.8	21.1		18.2	27.3	92.5
Vanadium				113.5	110.5		90.8	136.2	97.4
Zinc				113.5	109.9		90.8	136.2	96.8

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78099

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	8958.81	98.4						
Antimony	455.0	462.79	101.7						
Arsenic	455.0	469.76	103.2						
Barium	9100.0	9169.58	100.8						
Beryllium	227.0	226.66	99.9						
Cadmium	227.0	231.33	101.9						
Calcium	22700.0	21485.73	94.7						
Chromium	910.0	900.88	99.0						
Cobalt	2270.0	2234.96	98.5						
Copper	1130.0	1136.18	100.5						
Iron	4550.0	4665.79	102.5						
Lead	455.0	459.11	100.9						
Magnesium	22700.0	22892.87	100.8						
Manganese	2270.0	2287.49	100.8						
Nickel	2270.0	2236.50	98.5						
Potassium	22700.0	23383.57	103.0						
Selenium	455.0	467.13	102.7						
Silver	1130.0	1133.49	100.3						
Sodium	22700.0	23815.42	104.9						
Thallium	455.0	426.13	93.7						
Vanadium	2270.0	2259.83	99.6						
Zinc	2270.0	2253.17	99.3						

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78123

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide	100.0	109.69	109.7						

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78135

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide				5.0	5.5		4	6.0	110.0

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78143

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide				5.0	5.8		4	6.0	116.0

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCSD-78123**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide	100.0	110.41	110.4						

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-40-071114S

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 83.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	7.4		0.53	U	5.8	129	N	CA

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-41-071114S

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 87.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	9.8		1.3		22.8	37	N	P
Arsenic	75-125	43.2		11.0		22.8	141	N	P
Barium	75-125	548		106		456	97		P
Beryllium	75-125	12.3		1.3		11.4	97		P
Cadmium	75-125	22.8		10.5		11.4	108		P
Chromium	75-125	132		104		45.6	62	N	P
Cobalt	75-125	115		9.1		114	93		P
Copper	75-125	237		178		56.6	103		P
Lead		422		406		22.8	68		P
Nickel	75-125	151		84.9		114	58	N	P
Selenium	75-125	16.9		0.44	U	22.8	74	N	P
Silver	75-125	62.7		0.50	B	56.6	110		P
Thallium	75-125	15.6		0.15	U	22.8	69	N	P
Vanadium	75-125	134		18.1		114	102		P
Zinc		867		750		114	102		P

Comments:

U.S. EPA - CLP

5B

EPA SAMPLE NO.

POST DIGEST SPIKE SAMPLE RECOVERY

SS-40-071114A

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide		129.16		8.37	U	100.0	129		CA

Comments:

U.S. EPA - CLP

5B

EPA SAMPLE NO.

POST DIGEST SPIKE SAMPLE RECOVERY

SS-41-071114A

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		535.21		39.34		455.0	109		P
Arsenic		757.40		324.27		455.0	95		P
Chromium		3810.10		3056.72		910.0	83		P
Nickel		4433.87		2496.27		2270.0	85		P
Selenium		136.40		0.64	U	455.0	30		P
Thallium		90.60		0.22	U	455.0	20		P

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

SS-40-071114D

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 83.6 % Solids for Duplicate: 83.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cyanide	1.2	0.5300	U	1.8272		200	*	CA

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

SS-41-071114D

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 87.6 % Solids for Duplicate: 87.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		9178.1198		8409.6381		8.7		P
Antimony	0.7	1.3373		2.2200		49.6	*	P
Arsenic		11.0224		10.8507		1.6		P
Barium		105.9487		97.4716		8.3		P
Beryllium		1.2904		1.2119		6.3		P
Cadmium		10.5305		8.8096		17.8		P
Calcium		45673.0959		49440.9079		7.9		P
Chromium		103.9018		206.6818		66.2	*	P
Cobalt	1.7	9.1234		9.6623		5.7		P
Copper		178.4435		155.5449		13.7		P
Iron		160935.1087		148727.8212		7.9		P
Lead		405.9955		409.3791		0.8		P
Magnesium		9622.8113		11085.1208		14.1		P
Manganese		3700.9574		3870.2252		4.5		P
Nickel		84.8511		90.7326		6.7		P
Potassium		1285.2169		1260.3485		2		P
Selenium		0.4400	U	0.6100	U			P
Silver		0.5023	B	0.6469	B	25.2		P
Sodium	34.0	225.9197		184.1374		20.4	*	P
Thallium		0.1500	U	0.2100	U			P
Vanadium		18.1445		23.7068		26.6	*	P
Zinc		750.3628		895.1836		17.6		P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Method Blank ID:
MB-78123

LACHAT1_140718A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/18/14 13:40	C	07/18/14 14:09	C	07/18/14 14:37	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	7.500	U	CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140718A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/18/14 15:04	C	07/18/14 15:32	C		C		C	M
Cyanide			7.5	U	7.5	U					CA

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140718B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/18/14 18:35	C	07/18/14 18:48	C	07/18/14 19:47	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U			CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78135**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

LACHAT1_140721A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/21/14 18:09	C	07/21/14 18:37	C	07/21/14 19:07	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	0.450	U	CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78143**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

LACHAT1_140722A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/22/14 15:51	C	07/22/14 16:19	C		C		C	M
Cyanide	7.5	U	7.5	U	7.5	U			0.450	U	CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78099**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_140717C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/17/14 14:33	C	07/17/14 15:02	C	07/17/14 15:39	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	66.000	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	9.300	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	4.300	U	P
Barium	1.3	B	1.1	U	1.7	B	1.1	U	1.100	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.260	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	110.000	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.670	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	31.000	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.850	U	P
Potassium	76.0	U	76.0	U	76.0	U	289.6	B	76.000	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P
Sodium	35.0	B	29.0	U	29.0	U	41.8	B	29.000	U	P
Thallium	6.2	U	6.2	U	7.8	B	6.2	U	6.200	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	5.238	B	P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78084**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_140717C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/17/14 16:08	C	07/17/14 16:38	C	07/17/14 17:17	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U	1.200	U	P
Antimony			9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic			4.3	U	-4.4	B	4.3	U	0.410	U	P
Barium			2.1	B	2.3	B	1.6	B	0.054	B	P
Beryllium			0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium			0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium			110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium			0.6	U	0.6	U	0.6	U	0.019	U	P
Cobalt			0.7	U	0.7	U	0.7	U	0.044	U	P
Copper			3.6	U	3.6	U	3.6	U	0.110	U	P
Iron			31.0	U	31.0	U	31.0	U	1.926	B	P
Lead			4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium			76.0	U	76.0	U	76.0	U	0.630	U	P
Manganese			10.0	U	10.0	U	10.0	U	0.130	U	P
Nickel			0.8	U	0.8	U	0.8	U	0.043	U	P
Potassium			277.2	B	250.4	B	119.6	B	5.813	B	P
Selenium			12.0	U	12.0	U	12.0	U	0.640	U	P
Silver			6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium			53.4	B	43.8	B	29.8	B	1.100	U	P
Thallium			6.2	U	6.2	U	6.2	U	0.227	B	P
Vanadium			1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc			4.9	U	4.9	U	4.9	U	0.222	B	P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140717C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/17/14 17:35	C	07/17/14 18:13	C	07/17/14 18:50	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.3	U	4.3	U			P
Barium			1.3	B	1.1	U	1.1	U			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U					P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			31.0	U	66.6	B	51.6	B			P
Lead			4.2	U	4.2	U	4.2	U			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Potassium			89.7	B	76.0	U	76.0	U			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			29.0	U	29.0	U	29.0	U			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.9	U	6.2	B	9.7	B			P

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3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140717C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/17/14 19:30	C		C		C		C	M
Aluminum			66.0	U							P
Antimony			9.3	U	9.3	U					P
Arsenic			4.3	U	4.3	U					P
Barium			1.1	U							P
Beryllium			0.3	U							P
Cadmium			0.9	U							P
Chromium			0.6	U	0.6	U					P
Cobalt			0.7	U							P
Copper			3.6	U							P
Iron			31.0	U							P
Lead			4.2	U							P
Magnesium			76.0	U							P
Manganese			10.0	U							P
Nickel			0.8	U	0.8	U					P
Potassium			76.0	U							P
Selenium			12.0	U	12.0	U					P
Silver			6.9	U							P
Sodium			29.0	U							P
Thallium			6.2	U	6.2	U					P
Vanadium			1.1	U							P
Zinc			9.1	B							P

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1205

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140718A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/18/14 9:32	C	07/18/14 10:14	C	07/18/14 10:57	C	Preparation Blank	C	M
Calcium	110.0	U	110.0	U	110.0	U	110.0	U			P
Iron	31.0	U	31.0	U	31.0	U	31.0	U			P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U			P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U			P

* Wet Chemistry *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1205

SM 3500 Cr+, B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were received outside of the 24 hour (from collection) holding time for the colorimetric Hexavalent Chromium method:

GW-TP-08-071114 (N1205-06B) exceed by 2 Days
GW-DUP-01-071114 (N1205-07B) exceed by 2 Days
FB-01-071114 (N1205-08B) exceed by 2 Days

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 3500 Cr+, B

IV. PREPARATION

Samples were prepared following procedures in laboratory test code: SM 3500 Cr+, B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: SPEC2
Instrument Type: SP
Description: Spectronic 20 Genesys
Manufacturer: Spectronic Instruments
Model: 4004-000

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS/LCSD):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

D. Duplicate sample:

No client-requested laboratory duplicate analyses were included in this SDG.

E. Dilutions:

No sample required dilution in this SDG.

F. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and

for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/21/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Client: CDM-Smith, Inc.
Client Sample ID: GW-TP-08-071114
Lab ID: N1205-06

Project: Buffalo Lakeside
Collection Date: 07/11/14 8:47

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	0.073	H	0.030	mg/L	1	07/14/2014 15:37	78072

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: GW-DUP-01-071114
Lab ID: N1205-07

Project: Buffalo Lakeside
Collection Date: 07/11/14 8:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	0.089	H	0.030	mg/L	1	07/14/2014 15:40	78072

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: FB-01-071114
Lab ID: N1205-08
Project: Buffalo Lakeside
Collection Date: 07/11/14 10:27

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND	H	0.030	mg/L	1	07/14/2014 15:42	78072

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

N1205

CLIENT: CDM-Smith, Inc.
Work Order: N1205
Project: Buffalo Lakeside

ANALYTICAL QC SUMMARY REPORT

SM3500_CR+

SM 3500D -- CR VI by Colorimetric Method

Sample ID: **MB-78072**	SampType: **MBLK**	TestCode: **SM3500_CR+**			Prep Date: **07/14/14 14:19**			Run ID: **SPEC2_140714B**				
Client ID: **MB-78072**	Batch ID: **78072**	Units: **mg/L**			Analysis Date: **07/14/14 15:30**			SeqNo: **2119461**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.030	0.030									

Sample ID: **LCS-78072**	SampType: **LCS**	TestCode: **SM3500_CR+**			Prep Date: **07/14/14 14:19**			Run ID: **SPEC2_140714B**				
Client ID: **LCS-78072**	Batch ID: **78072**	Units: **mg/L**			Analysis Date: **07/14/14 15:32**			SeqNo: **2119462**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.3820	0.030	0.030	0.4000	0	95.5	80	120	0			

Sample ID: **LCSD-78072**	SampType: **LCSD**	TestCode: **SM3500_CR+**			Prep Date: **07/14/14 14:19**			Run ID: **SPEC2_140714B**				
Client ID: **LCSD-78072**	Batch ID: **78072**	Units: **mg/L**			Analysis Date: **07/14/14 15:35**			SeqNo: **2119463**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.3780	0.030	0.030	0.4000	0	94.5	80	120	0.3820	1.05	20	

Qualifiers:
ND - Not Detected at the MDL
J - Analyte detected below quanititation limits
S - Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
MDL - Method Detection Limit
RL - Reporting Limit
B - Analyte detected in the associated Method Blank

* Wet Chemistry *

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

Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	9:20
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	16:14
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76372
Phoenix ID: BG76372

Project ID: BUFFALO LAKESIDE
Client ID: SS-42-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.65	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	24	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 21, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	9:27
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	16:14
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76372
Phoenix ID: BG76373

Project ID: BUFFALO LAKESIDE
Client ID: SS-43-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.49	0.49	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.68	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	84	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	9:27
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	16:14
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76372
Phoenix ID: BG76374

Project ID: BUFFALO LAKESIDE
Client ID: SS-FD-05-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.60	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	167	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is neither in a reducing or an oxidizing state.

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

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Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	9:34
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	16:14
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76372
Phoenix ID: BG76375

Project ID: BUFFALO LAKESIDE
Client ID: SS-44-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.70	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	190	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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July 21, 2014
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Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	9:40
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	16:14
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76372
Phoenix ID: BG76376

Project ID: BUFFALO LAKESIDE
Client ID: SS-45-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.48	0.48	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.73	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	222	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

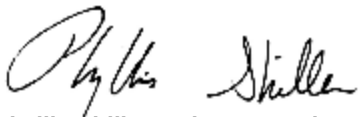
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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July 21, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	8:00
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	16:14
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76372
Phoenix ID: BG76377

Project ID: BUFFALO LAKESIDE
Client ID: SS-33-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.48	0.48	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.36	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	284	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

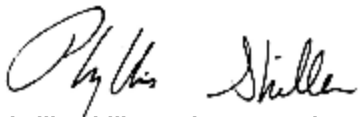
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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July 21, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	8:10
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	16:14
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76372
Phoenix ID: BG76378

Project ID: BUFFALO LAKESIDE
Client ID: SS-34-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	65		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.59	0.59	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.12	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	410	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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July 21, 2014
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Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	8:15
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	16:14
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76372
Phoenix ID: BG76379

Project ID: BUFFALO LAKESIDE
Client ID: SS-35-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.56	0.56	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.43	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	341	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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July 21, 2014
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	8:22
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	16:14
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76372
Phoenix ID: BG76380

Project ID: BUFFALO LAKESIDE
Client ID: SS-36-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.46	0.46	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.57	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	382	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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July 21, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	8:27
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	16:14
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76372
Phoenix ID: BG76381

Project ID: BUFFALO LAKESIDE
Client ID: SS-37-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.46	0.46	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.81	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	198	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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July 21, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	8:27
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	16:14
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76372
Phoenix ID: BG76382

Project ID: BUFFALO LAKESIDE
Client ID: SS-FD-04-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.52	0.52	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.73	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	301	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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July 21, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	8:45
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	16:14
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76372
Phoenix ID: BG76383

Project ID: BUFFALO LAKESIDE
Client ID: SS-38-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.76	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	409	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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July 21, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

QA/QC Report

July 21, 2014

QA/QC Data

SDG I.D.: GBG76372

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 280335, QC Sample No: BG76248 (BG76372, BG76373, BG76374, BG76375, BG76376, BG76377, BG76378, BG76379, BG76380, BG76381, BG76382, BG76383)													
Hex Chromium - Soil													
Hexavalent Cr	BRL	<0.44	<0.42	NC	101						70 - 130	30	
Insoluble Cr					95.4			87.7			70 - 130	30	
Soluble Cr					97.7			<10.0%			70 - 130	30	m
Comment:													
Soluble spike was analyzed twice with similar recoveries, post digestive spike recovery was 90%													

m = This parameter is outside laboratory ms/msd specified recovery limits.

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

QA/QC Report

July 21, 2014

QA/QC Data

SDG I.D.: GBG76372

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 280249, QC Sample No: BG76160 (BG76372, BG76373, BG76374, BG76375, BG76376, BG76377, BG76378, BG76379, BG76380, BG76381)												
pH - Soil		5.53	5.71	3.20	97.1						85 - 115	20
QA/QC Batch 280250, QC Sample No: BG76530 (BG76382, BG76383)												
pH - Soil		6.63	6.71	1.20	97.1						85 - 115	20

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

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

Phyllis Shiller, Laboratory Director
July 21, 2014

Monday, July 21, 2014

Criteria: None

State: RI

Sample Criteria Exceedences Report

GBG76372 - SPECTRUM-RI

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

*** No Data to Display ***

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

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

Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	8:52
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	17:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76697
Phoenix ID: BG76697

Project ID: BUFFALO LAKESIDE
Client ID: SS-39-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.73	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	391	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 21, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	9:00
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	17:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76697
Phoenix ID: BG76698

Project ID: BUFFALO LAKESIDE
Client ID: SS-40-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	07/16/14	I	E160.3
Chromium, Hexavalent	0.680	0.45	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.24	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	323	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 21, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

Analysis Report

July 21, 2014

FOR: Attn: CHECK COC
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/11/14	9:10
Location Code:	SPECTRUM-RI	Received by:	LB	07/16/14	17:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1205				

Laboratory Data

SDG ID: GBG76697
Phoenix ID: BG76699

Project ID: BUFFALO LAKESIDE
Client ID: SS-41-071114

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	07/16/14	I	E160.3
Chromium, Hexavalent	< 0.48	0.48	mg/Kg	07/17/14	CL	SW3060/7196
pH - Soil	8.63	0.10	pH Units	07/16/14 20:00	O/EG	4500-H B/9045
Redox Potential	294	1.0	mV	07/16/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 21, 2014
Reviewed and Released by: Deb Lawrie, Project Manager

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

QA/QC Report

July 21, 2014

QA/QC Data

SDG I.D.: GBG76697

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 280335, QC Sample No: BG76248 (BG76697, BG76698, BG76699)													
Hex Chromium - Soil													
Hexavalent Cr	BRL	<0.44	<0.42	NC	101						70 - 130	30	
Insoluble Cr					95.4			87.7			70 - 130	30	
Soluble Cr					97.7			<10.0%			70 - 130	30	m
Comment:													
Soluble spike was analyzed twice with similar recoveries, post digestive spike recovery was 90%													

m = This parameter is outside laboratory ms/msd specified recovery limits.

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

QA/QC Report

July 21, 2014

QA/QC Data

SDG I.D.: GBG76697

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 280250, QC Sample No: BG76530 (BG76697, BG76698, BG76699)												
pH - Soil		6.63	6.71	1.20	97.1						85 - 115	20

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

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

Phyllis Shiller, Laboratory Director
July 21, 2014

Monday, July 21, 2014

Criteria: None

State: RI

Sample Criteria Exceedences Report

GBG76697 - SPECTRUM-RI

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

*** No Data to Display ***

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

Report Date:
25-Jul-14 14:15

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

- [x] Final Report
- [ ] Re-Issued Report
- [ ] Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: N1208
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
N1208-01	SS-46-071414	Soil	14-Jul-14 11:40	15-Jul-14 10:30
N1208-02	SS-47-071414	Soil	14-Jul-14 11:50	15-Jul-14 10:30
N1208-03	SS-48-071414	Soil	14-Jul-14 12:05	15-Jul-14 10:30
N1208-04	SS-49-071414	Soil	14-Jul-14 12:15	15-Jul-14 10:30
N1208-05	SS-50-071414	Soil	14-Jul-14 12:22	15-Jul-14 10:30
N1208-06	SS-51-071414	Soil	14-Jul-14 12:30	15-Jul-14 10:30
N1208-07	SS-FD-06-071414	Soil	14-Jul-14 11:50	15-Jul-14 10:30
N1208-08	GW-TP-10-071414	Aqueous	14-Jul-14 14:28	15-Jul-14 10:30
N1208-09	GW-TP-11-071414	Aqueous	14-Jul-14 13:00	15-Jul-14 10:30
N1208-10	FB-03-071414	Aqueous	14-Jul-14 15:30	15-Jul-14 10:30
N1208-11	GW-TP-09-071414	Aqueous	14-Jul-14 16:15	15-Jul-14 10:30
N1208-12	GW-FD-02-071414	Aqueous	14-Jul-14 16:15	15-Jul-14 10:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
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* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1208

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SS-46-071414	N1208-01		SW8270_S		SW6010_S	SEE DATA
SS-47-071414	N1208-02		SW8270_S		SW6010_S	SEE DATA
SS-48-071414	N1208-03		SW8270_S		SW6010_S	SEE DATA
SS-49-071414	N1208-04		SW8270_S		SW6010_S	SEE DATA
SS-50-071414	N1208-05		SW8270_S		SW6010_S	SEE DATA
SS-51-071414	N1208-06		SW8270_S		SW6010_S	SEE DATA
SS-FD-06-071414	N1208-07		SW8270_S		SW6010_S	SEE DATA
GW-TP-10-071414	N1208-08		SW8270_W		SW6010_W	SEE DATA
GW-TP-11-071414	N1208-09		SW8270_W		SW6010_W	SEE DATA
FB-03-071414	N1208-10		SW8270_W		SW6010_W	SEE DATA
GW-TP-09-071414	N1208-11		SW8270_W		SW6010_W	SEE DATA
GW-FD-02-071414	N1208-12		SW8270_W		SW6010_W	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1208

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					
N1208-01A	SL	7/14/2014	7/15/2014	7/16/2014	7/21/2014
N1208-02A	SL	7/14/2014	7/15/2014	7/16/2014	7/20/2014
N1208-03A	SL	7/14/2014	7/15/2014	7/16/2014	7/21/2014
N1208-04A	SL	7/14/2014	7/15/2014	7/16/2014	7/21/2014
N1208-05A	SL	7/14/2014	7/15/2014	7/16/2014	7/20/2014
N1208-06A	SL	7/14/2014	7/15/2014	7/16/2014	7/20/2014
N1208-06AMS	SL	7/14/2014	7/15/2014	7/16/2014	7/20/2014
N1208-06AMSD	SL	7/14/2014	7/15/2014	7/16/2014	7/20/2014
N1208-07A	SL	7/14/2014	7/15/2014	7/16/2014	7/21/2014
SW8270_W					
N1208-08A	AQ	7/14/2014	7/15/2014	7/17/2014	7/21/2014
N1208-09A	AQ	7/14/2014	7/15/2014	7/17/2014	7/21/2014
N1208-10A	AQ	7/14/2014	7/15/2014	7/17/2014	7/20/2014
N1208-11A	AQ	7/14/2014	7/15/2014	7/17/2014	7/20/2014
N1208-12A	AQ	7/14/2014	7/15/2014	7/17/2014	7/20/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1208

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					
N1208-01A	SL	SW8270_S	3550B	NA	1
N1208-02A	SL	SW8270_S	3550B	NA	1
N1208-03A	SL	SW8270_S	3550B	NA	1
N1208-04A	SL	SW8270_S	3550B	NA	1
N1208-05A	SL	SW8270_S	3550B	NA	1
N1208-06A	SL	SW8270_S	3550B	NA	1
N1208-06AMS	SL	SW8270_S	3550B	NA	1
N1208-06AMSD	SL	SW8270_S	3550B	NA	1
N1208-07A	SL	SW8270_S	3550B	NA	1
SW8270_W					
N1208-08A	AQ	SW8270_W	3510C	NA	1
N1208-09A	AQ	SW8270_W	3510C	NA	1
N1208-10A	AQ	SW8270_W	3510C	NA	1
N1208-11A	AQ	SW8270_W	3510C	NA	1
N1208-12A	AQ	SW8270_W	3510C	NA	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** N1208

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
N1208-01A	SL	SW6010_S	7/15/2014	7/18/2014
N1208-02A	SL	SW6010_S	7/15/2014	7/18/2014
N1208-03A	SL	SW6010_S	7/15/2014	7/18/2014
N1208-04A	SL	SW6010_S	7/15/2014	7/18/2014
N1208-05A	SL	SW6010_S	7/15/2014	7/18/2014
N1208-06A	SL	SW6010_S	7/15/2014	7/18/2014
N1208-06ADUP	SL	SW6010_S	7/15/2014	7/18/2014
N1208-06ADUP	SL	SW6010_S	7/15/2014	7/18/2014
N1208-06AMS	SL	SW6010_S	7/15/2014	7/18/2014
N1208-07A	SL	SW6010_S	7/15/2014	7/18/2014
SW6010_W				
N1208-08D	AQ	SW6010_W	7/15/2014	7/17/2014
N1208-09D	AQ	SW6010_W	7/15/2014	7/17/2014
N1208-10D	AQ	SW6010_W	7/15/2014	7/17/2014
N1208-11D	AQ	SW6010_W	7/15/2014	7/17/2014
N1208-12D	AQ	SW6010_W	7/15/2014	7/17/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1208

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/25/14
Fax Due: 07/22/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1208-01A	SS-46-071414	07/14/2014 11:40	07/15/2014	Soil	PMoist	/					Q1
N1208-01A	SS-46-071414	07/14/2014 11:40	07/15/2014	Soil	SW6010_S	/					Q1
N1208-01A	SS-46-071414	07/14/2014 11:40	07/15/2014	Soil	SW8270_S	/				Y	Q1
N1208-01A	SS-46-071414	07/14/2014 11:40	07/15/2014	Soil	SW9012_S	/					Q1
N1208-01B	SS-46-071414	07/14/2014 11:40	07/15/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1208-02A	SS-47-071414	07/14/2014 11:50	07/15/2014	Soil	PMoist	/					Q1
N1208-02A	SS-47-071414	07/14/2014 11:50	07/15/2014	Soil	SW6010_S	/					Q1
N1208-02A	SS-47-071414	07/14/2014 11:50	07/15/2014	Soil	SW8270_S	/				Y	Q1
N1208-02A	SS-47-071414	07/14/2014 11:50	07/15/2014	Soil	SW9012_S	/					Q1
N1208-02B	SS-47-071414	07/14/2014 11:50	07/15/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1208-03A	SS-48-071414	07/14/2014 12:05	07/15/2014	Soil	PMoist	/					Q1
N1208-03A	SS-48-071414	07/14/2014 12:05	07/15/2014	Soil	SW6010_S	/					Q1
N1208-03A	SS-48-071414	07/14/2014 12:05	07/15/2014	Soil	SW8270_S	/				Y	Q1
N1208-03A	SS-48-071414	07/14/2014 12:05	07/15/2014	Soil	SW9012_S	/					Q1
N1208-03B	SS-48-071414	07/14/2014 12:05	07/15/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1208-04A	SS-49-071414	07/14/2014 12:15	07/15/2014	Soil	PMoist	/					Q1
N1208-04A	SS-49-071414	07/14/2014 12:15	07/15/2014	Soil	SW6010_S	/					Q1
N1208-04A	SS-49-071414	07/14/2014 12:15	07/15/2014	Soil	SW8270_S	/				Y	Q1
N1208-04A	SS-49-071414	07/14/2014 12:15	07/15/2014	Soil	SW9012_S	/					Q1
N1208-04B	SS-49-071414	07/14/2014 12:15	07/15/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1208-05A	SS-50-071414	07/14/2014 12:22	07/15/2014	Soil	PMoist	/					Q1
N1208-05A	SS-50-071414	07/14/2014 12:22	07/15/2014	Soil	SW6010_S	/					Q1

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1208

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/25/14
Fax Due: 07/22/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1208-05A	SS-50-071414	07/14/2014 12:22	07/15/2014	Soil	SW8270_S	/				Y	Q1
N1208-05A	SS-50-071414	07/14/2014 12:22	07/15/2014	Soil	SW9012_S	/					Q1
N1208-05B	SS-50-071414	07/14/2014 12:22	07/15/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1208-06A	SS-51-071414	07/14/2014 12:30	07/15/2014	Soil	PMoist	/			Y		Q1
N1208-06A	SS-51-071414	07/14/2014 12:30	07/15/2014	Soil	SW6010_S	/			Y		Q1
N1208-06A	SS-51-071414	07/14/2014 12:30	07/15/2014	Soil	SW8270_S	/			Y	Y	Q1
N1208-06A	SS-51-071414	07/14/2014 12:30	07/15/2014	Soil	SW9012_S	/			Y		Q1
N1208-06B	SS-51-071414	07/14/2014 12:30	07/15/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix			Y		SUB
N1208-07A	SS-FD-06-071414	07/14/2014 11:50	07/15/2014	Soil	PMoist	/					Q1
N1208-07A	SS-FD-06-071414	07/14/2014 11:50	07/15/2014	Soil	SW6010_S	/					Q1
N1208-07A	SS-FD-06-071414	07/14/2014 11:50	07/15/2014	Soil	SW8270_S	/				Y	Q1
N1208-07A	SS-FD-06-071414	07/14/2014 11:50	07/15/2014	Soil	SW9012_S	/					Q1
N1208-07B	SS-FD-06-071414	07/14/2014 11:50	07/15/2014	Soil	SW7196_S	/ PHOENIX--sub to Phoenix					SUB
N1208-08A	GW-TP-10-071414	07/14/2014 14:28	07/15/2014	Aqueous	SW8270_W	/				Y	Q1
N1208-08B	GW-TP-10-071414	07/14/2014 14:28	07/15/2014	Aqueous	SM3500_CR+	/					Q1
N1208-08C	GW-TP-10-071414	07/14/2014 14:28	07/15/2014	Aqueous	SW9012_W	/					Q1
N1208-08D	GW-TP-10-071414	07/14/2014 14:28	07/15/2014	Aqueous	SW6010_W	/					M4
N1208-09A	GW-TP-11-071414	07/14/2014 13:00	07/15/2014	Aqueous	SW8270_W	/				Y	Q1
N1208-09B	GW-TP-11-071414	07/14/2014 13:00	07/15/2014	Aqueous	SM3500_CR+	/					Q1
N1208-09C	GW-TP-11-071414	07/14/2014 13:00	07/15/2014	Aqueous	SW9012_W	/					Q1

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

07/16/2014 10:27 Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1208

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: NEEDS PO

HC Due: 07/25/14
Fax Due: 07/22/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1208-09D	GW-TP-11-071414	07/14/2014 13:00	07/15/2014	Aqueous	SW6010_W	/					M4
N1208-10A	FB-03-071414	07/14/2014 15:30	07/15/2014	Aqueous	SW8270_W	/				Y	Q1
N1208-10B	FB-03-071414	07/14/2014 15:30	07/15/2014	Aqueous	SM3500_CR+	/					Q1
N1208-10C	FB-03-071414	07/14/2014 15:30	07/15/2014	Aqueous	SW9012_W	/					Q1
N1208-10D	FB-03-071414	07/14/2014 15:30	07/15/2014	Aqueous	SW6010_W	/					M4
N1208-11A	GW-TP-09-071414	07/14/2014 16:15	07/15/2014	Aqueous	SW8270_W	/				Y	Q1
N1208-11B	GW-TP-09-071414	07/14/2014 16:15	07/15/2014	Aqueous	SM3500_CR+	/					Q1
N1208-11C	GW-TP-09-071414	07/14/2014 16:15	07/15/2014	Aqueous	SW9012_W	/					Q1
N1208-11D	GW-TP-09-071414	07/14/2014 16:15	07/15/2014	Aqueous	SW6010_W	/					M4
N1208-12A	GW-FD-02-071414	07/14/2014 16:15	07/15/2014	Aqueous	SW8270_W	/				Y	Q1
N1208-12B	GW-FD-02-071414	07/14/2014 16:15	07/15/2014	Aqueous	SM3500_CR+	/					Q1
N1208-12C	GW-FD-02-071414	07/14/2014 16:15	07/15/2014	Aqueous	SW9012_W	/					Q1
N1208-12D	GW-FD-02-071414	07/14/2014 16:15	07/15/2014	Aqueous	SW6010_W	/					M4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Lab Client Rep: Agnes R Huntley

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1208

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C
Soil Samples were prepared following procedures in laboratory test code: SW3550B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S6
Instrument Type: GCMS-Semi
Description: HP7890A
Manufacturer: Agilent
Model: 7890A/5973
GC Column used: 30 m X 0.25 mm ID [0.25 um thickness] Rxi-5sil MS capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

GW-TP-10-071414 (N1208-08A), recovery is above criteria for Nitrobenzene-d5 at 117% with criteria of (40-110).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on samples: SS-51-071414 (N1208-06AMS) and SS-51-071414 (N1208-06AMSD).

Percent recoveries were within the QC limits.

Replicate RPDs were within the advisory QC limits.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

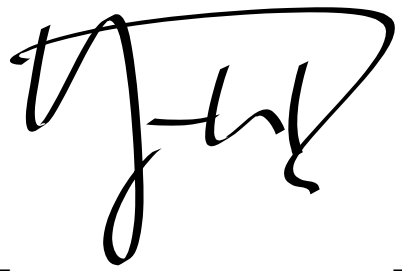
· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

Manual integrations were performed on the following:

LCS-78106 N-Nitrosodimethylamine due to M6

SS-48-071414 (N1208-03A) Dibenzo(a,h)anthracene due to M6

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____7/23/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-46-071414

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1208-01A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S6B8720.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 11 Decanted: (Y/N) N Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/21/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	82	J
86-73-7	Fluorene	360	U
87-86-5	Pentachlorophenol	740	U
85-01-8	Phenanthrene	390	
120-12-7	Anthracene	240	J
206-44-0	Fluoranthene	760	
129-00-0	Pyrene	990	
56-55-3	Benzo(a)anthracene	780	
218-01-9	Chrysene	950	
205-99-2	Benzo(b)fluoranthene	1700	
207-08-9	Benzo(k)fluoranthene	630	
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	1100	
53-70-3	Dibenzo(a,h)anthracene	250	J
191-24-2	Benzo(g,h,i)perylene	1200	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-47-071414

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1208-02A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8701.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 14 Decanted: (Y/N) N Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	110	J
86-73-7	Fluorene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	250	J
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	910	
56-55-3	Benzo(a)anthracene	870	
218-01-9	Chrysene	1100	
205-99-2	Benzo(b)fluoranthene	2000	
207-08-9	Benzo(k)fluoranthene	840	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1200	
53-70-3	Dibenzo(a,h)anthracene	290	J
191-24-2	Benzo(g,h,i)perylene	1200	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-48-071414

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1208-03A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8721.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/21/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	97	J
86-73-7	Fluorene	380	U
87-86-5	Pentachlorophenol	770	U
85-01-8	Phenanthrene	410	
120-12-7	Anthracene	110	J
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1800	
56-55-3	Benzo(a)anthracene	1300	
218-01-9	Chrysene	1600	
205-99-2	Benzo(b)fluoranthene	2500	
207-08-9	Benzo(k)fluoranthene	930	
50-32-8	Benzo(a)pyrene	1800	
193-39-5	Indeno(1,2,3-cd)pyrene	1800	
53-70-3	Dibenzo(a,h)anthracene	320	J
191-24-2	Benzo(g,h,i)perylene	1900	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-49-071414

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1208-04A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S6B8722.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/21/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	140	J
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	170	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	570	
120-12-7	Anthracene	150	J
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	1300	
56-55-3	Benzo(a)anthracene	1100	
218-01-9	Chrysene	1200	
205-99-2	Benzo(b)fluoranthene	2400	
207-08-9	Benzo(k)fluoranthene	770	
50-32-8	Benzo(a)pyrene	1800	
193-39-5	Indeno(1,2,3-cd)pyrene	1800	
53-70-3	Dibenzo(a,h)anthracene	380	J
191-24-2	Benzo(g,h,i)perylene	1800	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-50-071414

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1208-05A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8704.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	160	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	330	J
120-12-7	Anthracene	91	J
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	970	
56-55-3	Benzo(a)anthracene	910	
218-01-9	Chrysene	1100	
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	760	
50-32-8	Benzo(a)pyrene	1600	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
53-70-3	Dibenzo(a,h)anthracene	280	J
191-24-2	Benzo(g,h,i)perylene	1400	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-51-071414

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1208-06A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8705.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	78	J
86-73-7	Fluorene	380	U
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	380	U
206-44-0	Fluoranthene	600	
129-00-0	Pyrene	490	
56-55-3	Benzo(a)anthracene	430	
218-01-9	Chrysene	560	
205-99-2	Benzo(b)fluoranthene	1100	
207-08-9	Benzo(k)fluoranthene	330	J
50-32-8	Benzo(a)pyrene	700	
193-39-5	Indeno(1,2,3-cd)pyrene	650	
53-70-3	Dibenzo(a,h)anthracene	140	J
191-24-2	Benzo(g,h,i)perylene	660	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-FD-06-071414

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1208-07A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S6B8723.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/21/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	150	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	400	
120-12-7	Anthracene	100	J
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1500	
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1400	
205-99-2	Benzo(b)fluoranthene	2400	
207-08-9	Benzo(k)fluoranthene	880	
50-32-8	Benzo(a)pyrene	1800	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenzo(a,h)anthracene	400	
191-24-2	Benzo(g,h,i)perylene	1600	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-10-071414

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1208-08A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8718.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/21/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	33	
95-48-7	2-Methylphenol	1.1	J
106-44-5	4-Methylphenol	9.2	J
91-20-3	Naphthalene	3.3	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	7.6	J
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-11-071414

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1208-09A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8719.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/21/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9.6	J
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	1.1	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-03-071414

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1208-10A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8696.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-09-071414

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1208-11A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8697.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5.6	J
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	2.4	J
91-20-3	Naphthalene	1.5	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-FD-02-071414

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1208-12A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8698.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5.3	J
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	2.1	J
91-20-3	Naphthalene	1.5	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78106

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-78106

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8680.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78109

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-78109

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8682.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78106

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-78106

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S6B8681.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2400	
95-48-7	2-Methylphenol	2300	
106-44-5	4-Methylphenol	2400	
91-20-3	Naphthalene	2700	
208-96-8	Acenaphthylene	2600	
83-32-9	Acenaphthene	2600	
86-73-7	Fluorene	2600	
87-86-5	Pentachlorophenol	2300	
85-01-8	Phenanthrene	2600	
120-12-7	Anthracene	2500	
206-44-0	Fluoranthene	2700	
129-00-0	Pyrene	2700	
56-55-3	Benzo(a)anthracene	2600	
218-01-9	Chrysene	2600	
205-99-2	Benzo(b)fluoranthene	2800	
207-08-9	Benzo(k)fluoranthene	2600	
50-32-8	Benzo(a)pyrene	2700	
193-39-5	Indeno(1,2,3-cd)pyrene	2800	
53-70-3	Dibenzo(a,h)anthracene	2800	
191-24-2	Benzo(g,h,i)perylene	2800	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78109

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-78109

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8715.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/21/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	17	
95-48-7	2-Methylphenol	33	
106-44-5	4-Methylphenol	30	
91-20-3	Naphthalene	39	
208-96-8	Acenaphthylene	40	
83-32-9	Acenaphthene	40	
86-73-7	Fluorene	42	
87-86-5	Pentachlorophenol	32	
85-01-8	Phenanthrene	42	
120-12-7	Anthracene	41	
206-44-0	Fluoranthene	43	
129-00-0	Pyrene	44	
56-55-3	Benzo(a)anthracene	43	
218-01-9	Chrysene	43	
205-99-2	Benzo(b)fluoranthene	47	
207-08-9	Benzo(k)fluoranthene	46	
50-32-8	Benzo(a)pyrene	44	
193-39-5	Indeno(1,2,3-cd)pyrene	38	
53-70-3	Dibenzo(a,h)anthracene	39	
191-24-2	Benzo(g,h,i)perylene	36	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSD-78109

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-78109

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8684.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/17/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	15	
95-48-7	2-Methylphenol	30	
106-44-5	4-Methylphenol	26	
91-20-3	Naphthalene	37	
208-96-8	Acenaphthylene	40	
83-32-9	Acenaphthene	40	
86-73-7	Fluorene	44	
87-86-5	Pentachlorophenol	36	
85-01-8	Phenanthrene	43	
120-12-7	Anthracene	42	
206-44-0	Fluoranthene	45	
129-00-0	Pyrene	45	
56-55-3	Benzo(a)anthracene	45	
218-01-9	Chrysene	44	
205-99-2	Benzo(b)fluoranthene	50	
207-08-9	Benzo(k)fluoranthene	46	
50-32-8	Benzo(a)pyrene	45	
193-39-5	Indeno(1,2,3-cd)pyrene	41	
53-70-3	Dibenzo(a,h)anthracene	42	
191-24-2	Benzo(g,h,i)perylene	40	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-51-071414MS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1208-06AMS

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8706.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3300	
95-48-7	2-Methylphenol	3300	
106-44-5	4-Methylphenol	3400	
91-20-3	Naphthalene	3100	
208-96-8	Acenaphthylene	3000	
83-32-9	Acenaphthene	3100	
86-73-7	Fluorene	3100	
87-86-5	Pentachlorophenol	2500	
85-01-8	Phenanthrene	3400	
120-12-7	Anthracene	3000	
206-44-0	Fluoranthene	4000	
129-00-0	Pyrene	3500	
56-55-3	Benzo(a)anthracene	3600	
218-01-9	Chrysene	3600	
205-99-2	Benzo(b)fluoranthene	4600	
207-08-9	Benzo(k)fluoranthene	3500	
50-32-8	Benzo(a)pyrene	3900	
193-39-5	Indeno(1,2,3-cd)pyrene	3800	
53-70-3	Dibenzo(a,h)anthracene	3100	
191-24-2	Benzo(g,h,i)perylene	3600	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-51-071414MSD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: N1208-06AMSD

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S6B8707.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/15/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/16/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/20/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3500	
95-48-7	2-Methylphenol	3300	
106-44-5	4-Methylphenol	3500	
91-20-3	Naphthalene	3100	
208-96-8	Acenaphthylene	3000	
83-32-9	Acenaphthene	3100	
86-73-7	Fluorene	3200	
87-86-5	Pentachlorophenol	2600	
85-01-8	Phenanthrene	3200	
120-12-7	Anthracene	3000	
206-44-0	Fluoranthene	3800	
129-00-0	Pyrene	3300	
56-55-3	Benzo(a)anthracene	3600	
218-01-9	Chrysene	3600	
205-99-2	Benzo(b)fluoranthene	4600	
207-08-9	Benzo(k)fluoranthene	3500	
50-32-8	Benzo(a)pyrene	3900	
193-39-5	Indeno(1,2,3-cd)pyrene	3800	
53-70-3	Dibenzo(a,h)anthracene	3300	
191-24-2	Benzo(g,h,i)perylene	3800	

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78109	83	74	88	30	41	84			0
02	LCSD-78109	86	78	92	24	36	87			0
03	FB-03-071414	107	97	106	102	88	104			0
04	GW-TP-09-071414	104	93	106	98	87	102			0
05	GW-FD-02-071414	101	97	103	93	85	105			0
06	LCS-78109	92	83	94	29	44	87			0
07	GW-TP-10-071414	117 *	107	104	26	42	119			1
08	GW-TP-11-071414	88	87	107	21	34	104			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(40-110)
SDMC2	(FBP) = 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH) = Terphenyl-d14	(50-135)
SDMC4	(PHL) = Phenol-d5	(10-115)
SDMC5	(2FP) = 2-Fluorophenol	(20-110)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78106	84	76	84	75	74	81			0
02	LCS-78106	84	77	84	69	71	81			0
03	SS-47-071414	76	70	75	80	74	73			0
04	SS-50-071414	71	65	66	68	66	65			0
05	SS-51-071414	73	66	65	70	69	67			0
06	SS-51-071414 MS	81	74	75	82	77	76			0
07	SS-51-071414 MSD	82	73	77	85	78	79			0
08	SS-46-071414	77	74	96	62	64	77			0
09	SS-48-071414	86	80	93	69	72	81			0
10	SS-49-071414	75	71	81	65	66	69			0
11	SS-FD-06-071414	85	81	94	70	74	78			0

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(35-100)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH)	= Terphenyl-d14	(30-125)
SDMC4	(PHL)	= Phenol-d5	(40-100)
SDMC5	(2FP)	= 2-Fluorophenol	(35-105)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix Spike - EPA Sample No.: SS-51-071414

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS %REC	#	QC. LIMITS REC.
Phenol	3802.1304	0.0000	3295.6454	87		40-100
2-Methylphenol	3802.1304	0.0000	3329.1638	88		40-105
4-Methylphenol	3802.1304	0.0000	3380.7106	89		40-105
Naphthalene	3802.1304	0.0000	3125.8589	82		40-105
Acenaphthylene	3802.1304	0.0000	3011.3878	79		45-105
Acenaphthene	3802.1304	78.1235	3053.9477	78		45-110
Fluorene	3802.1304	0.0000	3142.8121	83		50-110
Pentachlorophenol	3802.1304	0.0000	2467.5668	65		25-120
Phenanthrene	3802.1304	224.6428	3423.1685	84		50-110
Anthracene	3802.1304	0.0000	2986.0574	79		55-105
Fluoranthene	3802.1304	596.2246	4019.7926	90		55-115
Pyrene	3802.1304	494.6608	3523.2068	80		45-125
Benzo(a)anthracene	3802.1304	426.8826	3591.6451	83		50-110
Chrysene	3802.1304	557.6851	3610.9792	80		55-110
Benzo(b)fluoranthene	3802.1304	1081.5066	4555.3055	91		45-115
Benzo(k)fluoranthene	3802.1304	333.0529	3452.7791	82		45-125
Benzo(a)pyrene	3802.1304	704.2301	3863.8384	83		50-110
Indeno(1,2,3-cd)pyrene	3802.1304	651.7775	3764.6126	82		40-120
Dibenzo(a,h)anthracene	3802.1304	143.3748	3056.2995	77		40-125
Benzo(g,h,i)perylene	3802.1304	658.7489	3606.5141	78		40-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	3802.1304	3468.0190	91		5		0-40	40-100
2-Methylphenol	3802.1304	3284.7950	86		1		0-40	40-105
4-Methylphenol	3802.1304	3494.4814	92		3		0-40	40-105
Naphthalene	3802.1304	3129.4780	82		0		0-40	40-105
Acenaphthylene	3802.1304	3035.1949	80		1		0-40	45-105
Acenaphthene	3802.1304	3066.1040	79		0		0-40	45-110
Fluorene	3802.1304	3190.9026	84		2		0-40	50-110
Pentachlorophenol	3802.1304	2560.1960	67		4		0-40	25-120
Phenanthrene	3802.1304	3179.7655	78		8		0-40	50-110
Anthracene	3802.1304	3002.8612	79		1		0-40	55-105
Fluoranthene	3802.1304	3797.0934	84		7		0-40	55-115
Pyrene	3802.1304	3250.6689	72		9		0-40	45-125
Benzo(a)anthracene	3802.1304	3641.6349	85		2		0-40	50-110
Chrysene	3802.1304	3584.2418	80		1		0-40	55-110
Benzo(b)fluoranthene	3802.1304	4577.7804	92		1		0-40	45-115
Benzo(k)fluoranthene	3802.1304	3479.4076	83		1		0-40	45-125
Benzo(a)pyrene	3802.1304	3875.8617	83		0		0-40	50-110
Indeno(1,2,3-cd)pyrene	3802.1304	3795.5542	83		1		0-40	40-120
Dibenzo(a,h)anthracene	3802.1304	3257.5521	82		7		0-40	40-125
Benzo(g,h,i)perylene	3802.1304	3811.3768	83		7		0-40	40-125

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Matrix Spike - EPA Sample No.: SS-51-071414

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78106

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Lab Sample ID: LCS-78106 LCS Lot No.: A0100278

Date Extracted: 07/16/2014 Date Analyzed (1): 07/20/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2385.3725	72		40 - 100
2-Methylphenol	3333.0000	0.0000	2329.7199	70		40 - 105
4-Methylphenol	3333.0000	0.0000	2357.7747	71		40 - 105
Naphthalene	3333.0000	0.0000	2655.9489	80		40 - 105
Acenaphthylene	3333.0000	0.0000	2602.0016	78		45 - 105
Acenaphthene	3333.0000	0.0000	2594.2474	78		45 - 110
Fluorene	3333.0000	0.0000	2600.1228	78		50 - 110
Pentachlorophenol	3333.0000	0.0000	2251.0987	68		25 - 120
Phenanthrene	3333.0000	0.0000	2579.4040	77		50 - 110
Anthracene	3333.0000	0.0000	2530.4041	76		55 - 105
Fluoranthene	3333.0000	0.0000	2653.6187	80		55 - 115
Pyrene	3333.0000	0.0000	2651.0969	80		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2640.0624	79		50 - 110
Chrysene	3333.0000	0.0000	2620.4422	79		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2768.8442	83		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2600.9797	78		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2687.0467	81		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	2775.1821	83		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2782.0108	83		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	2770.0252	83		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78109

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Lab Sample ID: LCS-78109 LCS Lot No.: A0100278

Date Extracted: 07/17/2014 Date Analyzed (1): 07/21/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	17.1692	34		0 - 115
2-Methylphenol	50.0000	0.0000	32.5679	65		40 - 110
4-Methylphenol	50.0000	0.0000	29.9730	60		30 - 110
Naphthalene	50.0000	0.0000	39.3106	79		40 - 100
Acenaphthylene	50.0000	0.0000	40.4485	81		50 - 105
Acenaphthene	50.0000	0.0000	40.2947	81		45 - 110
Fluorene	50.0000	0.0000	41.9963	84		50 - 110
Pentachlorophenol	50.0000	0.0000	32.4268	65		40 - 115
Phenanthrene	50.0000	0.0000	41.5505	83		50 - 115
Anthracene	50.0000	0.0000	41.0663	82		55 - 110
Fluoranthene	50.0000	0.0000	42.6143	85		55 - 115
Pyrene	50.0000	0.0000	44.1890	88		50 - 130
Benzo(a)anthracene	50.0000	0.0000	43.1215	86		55 - 110
Chrysene	50.0000	0.0000	42.8204	86		55 - 110
Benzo(b)fluoranthene	50.0000	0.0000	47.3755	95		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	45.7844	92		45 - 125
Benzo(a)pyrene	50.0000	0.0000	43.7663	88		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	38.4702	77		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	38.9168	78		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	36.3170	73		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

LCSD-78109

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Lab Sample ID: LCSD-78109 LCS Lot No.: A0100278

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0000	15.1143	30		13		40	0 - 115
2-Methylphenol	50.0000	30.0968	60		8		40	40 - 110
4-Methylphenol	50.0000	26.4686	53		12		40	30 - 110
Naphthalene	50.0000	37.2156	74		7		40	40 - 100
Acenaphthylene	50.0000	40.0502	80		1		40	50 - 105
Acenaphthene	50.0000	39.7964	80		1		40	45 - 110
Fluorene	50.0000	43.5785	87		4		40	50 - 110
Pentachlorophenol	50.0000	36.0017	72		10		40	40 - 115
Phenanthrene	50.0000	42.5958	85		2		40	50 - 115
Anthracene	50.0000	41.9382	84		2		40	55 - 110
Fluoranthene	50.0000	44.7969	90		6		40	55 - 115
Pyrene	50.0000	44.9029	90		2		40	50 - 130
Benzo(a)anthracene	50.0000	44.5994	89		3		40	55 - 110
Chrysene	50.0000	44.2608	89		3		40	55 - 110
Benzo(b)fluoranthene	50.0000	49.6666	99		4		40	45 - 120
Benzo(k)fluoranthene	50.0000	46.4052	93		1		40	45 - 125
Benzo(a)pyrene	50.0000	45.2343	90		2		40	55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	40.9390	82		6		40	45 - 125
Dibenzo(a,h)anthracene	50.0000	42.4915	85		9		40	40 - 125
Benzo(g,h,i)perylene	50.0000	39.7902	80		9		40	40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78106

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Lab File ID: S6B8680.D Lab Sample ID: MB-78106

Instrument ID: S6 Date Extracted: 07/16/2014

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 07/20/2014

Level: (LOW/MED) LOW Time Analyzed: 13:13

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-78106	LCS-78106	S6B8681.D	07/20/2014
02	SS-47-071414	N1208-02A	S6B8701.D	07/20/2014
03	SS-50-071414	N1208-05A	S6B8704.D	07/20/2014
04	SS-51-071414	N1208-06A	S6B8705.D	07/20/2014
05	SS-51-071414MS	N1208-06AMS	S6B8706.D	07/20/2014
06	SS-51-071414MSD	N1208-06AMSD	S6B8707.D	07/20/2014
07	SS-46-071414	N1208-01A	S6B8720.D	07/21/2014
08	SS-48-071414	N1208-03A	S6B8721.D	07/21/2014
09	SS-49-071414	N1208-04A	S6B8722.D	07/21/2014
10	SS-FD-06-071414	N1208-07A	S6B8723.D	07/21/2014

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78109

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

Lab File ID: S6B8682.D Lab Sample ID: MB-78109

Instrument ID: S6 Date Extracted: 07/17/2014

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 07/20/2014

Level: (LOW/MED) LOW Time Analyzed: 13:59

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCSD-78109	LCSD-78109	S6B8684.D	07/20/2014
02	FB-03-071414	N1208-10A	S6B8696.D	07/20/2014
03	GW-TP-09-071414	N1208-11A	S6B8697.D	07/20/2014
04	GW-FD-02-071414	N1208-12A	S6B8698.D	07/20/2014
05	LCS-78109	LCS-78109	S6B8715.D	07/21/2014
06	GW-TP-10-071414	N1208-08A	S6B8718.D	07/21/2014
07	GW-TP-11-071414	N1208-09A	S6B8719.D	07/21/2014

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256L Date Analyzed: 07/20/2014

Lab File ID (Standard): S6B8679.D Time Analyzed: 12:41

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	301198		4.896		1153873		5.977		784649		7.434	
	UPPER LIMIT	602396		5.396		2307746		6.477		1569298		7.934	
	LOWER LIMIT	150599		4.396		576937		5.477		392325		6.934	
	EPA SAMPLE NO.												
01	MB-78106	274609		4.896		995798		5.971		693902		7.434	
02	LCS-78106	256529		4.896		870047		5.971		580143		7.434	
03	MB-78109	278941		4.896		1118522		5.971		835028		7.434	
04	LCSD-78109	271550		4.896		995083		5.971		689455		7.434	
05	FB-03-071414	209915		4.896		833985		5.977		628423		7.434	
06	GW-TP-09-071414	199735		4.896		789960		5.977		600821		7.434	
07	GW-FD-02-071414	216514		4.902		833006		5.977		570406		7.434	
08	SS-47-071414	201040		4.896		811225		5.977		624096		7.434	
09	SS-50-071414	233530		4.896		902648		5.977		662049		7.434	
10	SS-51-071414	231219		4.896		890475		5.977		658610		7.434	
11	SS-51-071414MS	219206		4.896		880751		5.977		670050		7.440	
12	SS-51-071414MSD	251940		4.902		1026486		5.977		789852		7.440	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

EPA Sample No.(SSTD020##) SSTD0256L Date Analyzed: 07/20/2014

Lab File ID (Standard): S6B8679.D Time Analyzed: 12:41

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1762801		8.668		1971522		11.012		1588600		13.257	
	UPPER LIMIT	3525602		9.168		3943044		11.512		3177200		13.757	
	LOWER LIMIT	881401		8.168		985761		10.512		794300		12.757	
	EPA SAMPLE NO.												
01	MB-78106	1393643		8.662		1414497		11.024		1097937		13.263	
02	LCS-78106	1178329		8.662		1193157		11.012		1037627		13.245	
03	MB-78109	1833190		8.662		2135243		11.006		1823790		13.251	
04	LCSD-78109	1480701		8.662		1523879		11.006		1171080		13.239	
05	FB-03-071414	1430554		8.668		1646651		11.012		1449789		13.257	
06	GW-TP-09-071414	1312052		8.668		1398799		11.018		1149980		13.280	
07	GW-FD-02-071414	1140822		8.668		1215667		11.024		1128883		13.292	
08	SS-47-071414	1464981		8.668		1802129		11.018		1642373		13.280	
09	SS-50-071414	1428946		8.668		1609375		11.018		1346140		13.275	
10	SS-51-071414	1445408		8.668		1691483		11.018		1494750		13.274	
11	SS-51-071414MS	1499233		8.674		1742779		11.024		1494631		13.280	
12	SS-51-071414MSD	1792367		8.674		2143191		11.030		1823310		13.292	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256M Date Analyzed: 07/21/2014

Lab File ID (Standard): S6B8714.D Time Analyzed: 10:34

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	299903		4.872		1200055		5.953		799795		7.411	
	UPPER LIMIT	599806		5.372		2400110		6.453		1599590		7.911	
	LOWER LIMIT	149952		4.372		600028		5.453		399898		6.911	
	EPA SAMPLE NO.												
01	LCS-78109	358610		4.872		1296552		5.953		894668		7.417	
02	GW-TP-10-071414	298982		4.873		1046330		5.948		671061		7.411	
03	GW-TP-11-071414	312242		4.872		1129375		5.953		748090		7.411	
04	SS-46-071414	464542		4.878		1557307		5.953		979604		7.411	
05	SS-48-071414	398568		4.878		1362014		5.953		879108		7.411	
06	SS-49-071414	381207		4.873		1346715		5.954		851963		7.411	
07	SS-FD-06-071414	386715		4.878		1342744		5.954		846242		7.411	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1208 Mod. Ref No.: SDG No.: SN1208

EPA Sample No.(SSTD020##) SSTD0256M Date Analyzed: 07/21/2014

Lab File ID (Standard): S6B8714.D Time Analyzed: 10:34

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1703643		8.644		1920110		11.006		1657570		13.239	
	UPPER LIMIT	3407286		9.144		3840220		11.506		3315140		13.739	
	LOWER LIMIT	851822		8.144		960055		10.506		828785		12.739	
	EPA SAMPLE NO.												
01	LCS-78109	1835931		8.645		1800439		11.036		1345338		13.274	
02	GW-TP-10-071414	1218568		8.650		1173833		11.024		1080051		13.316	
03	GW-TP-11-071414	1465326		8.644		1297579		10.995		972153		13.233	
04	SS-46-071414	1766020		8.644		1306130		10.995		948399		13.233	
05	SS-48-071414	1635766		8.644		1359639		11.001		1063574		13.239	
06	SS-49-071414	1574171		8.645		1348522		10.995		1066048		13.239	
07	SS-FD-06-071414	1559381		8.645		1315651		11.001		1076384		13.239	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals/ Cyanide *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1208

SW846 6010C, SW846 9012B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test codes: SW846 6010C, SW846 9012B

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW9012B
Soil Samples were prepared following procedures in laboratory test code: SW3050B
Soil Samples were prepared following procedures in laboratory test code: SW9012B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: LACHAT1
Instrument Type: WC
Description: Flow Injection Analyzer
Manufacturer: Zellweger Analytics
Model: Quik-Chem 8000

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on sample: SS-51-071414 (N1208-06AMS).

Percent recoveries were within the QC limits with the following exceptions:

SS-51-071414 (N1208-06AMS), recovery is above criteria for Chromium at 463% with criteria of (80-120), recovery is below criteria for Antimony at 41% with criteria of (80-120).

D. Post Digestion Spike (PDS):

Post-digestion spike analysis was performed on sample: SS-51-071414 (N1208-06APDS).

SS-51-071414 (N1208-06APDS) for Antimony and Chromium due to recoveries of these elements outside of QC limits in the matrix spike.

E. Duplicate sample:

Duplicate analyses were performed on sample: SS-51-071414 (N1208-06ADUP).

Relative percent differences were within the QC limits with the following exceptions:

SS-51-071414 (N1208-06ADUP), Duplicate analysis not within control limit for Aluminum, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Magnesium, Manganese, Nickel, Potassium, Sodium and Vanadium.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on sample: SS-51-071414 (N1208-06ASD).

Percent differences were within the QC limits with the exception of the following:

SS-51-071414 (N1208-06ASD), Serial Dilution analysis not within control limit for Cadmium, Cobalt, Lead, Nickel and Zinc.

G. Samples:

Sample GW-TP-10-071414 (N1208-08C) required a 200x dilution for Cyanide as well as treatment with Cadmium Carbonate. Several samples required dilution for inorganic salts in the metals fraction. No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/25/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FB-03-071414

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): WATER Lab Sample ID: N1208-10

Level (low/med): MED Date Received: 07/15/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	1.1	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	110	U		P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	519	B		P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	56.6	B		P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	5.1	B		P
57-12-5	Cyanide	7.5	U		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GW-FD-02-071414

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): WATER Lab Sample ID: N1208-12

Level (low/med): MED Date Received: 07/15/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5920			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	20.4			P
7440-39-3	Barium	21.9	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	54600			P
7440-47-3	Chromium	8.5	B		P
7440-48-4	Cobalt	1.8	B		P
7440-50-8	Copper	12.5	B		P
7439-89-6	Iron	2620			P
7439-92-1	Lead	34.0			P
7439-95-4	Magnesium	993			P
7439-96-5	Manganese	101			P
7440-02-0	Nickel	18.9	B		P
7440-09-7	Potassium	680000			P
7782-49-2	Selenium	16.9	B		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	66700			P
7440-28-0	Thallium	17.0	B		P
7440-62-2	Vanadium	45.4	B		P
7440-66-6	Zinc	158			P
57-12-5	Cyanide	27.3			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GW-TP-09-071414

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): WATER Lab Sample ID: N1208-11

Level (low/med): MED Date Received: 07/15/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6190			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	23.8			P
7440-39-3	Barium	23.0	B		P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	57000			P
7440-47-3	Chromium	8.9	B		P
7440-48-4	Cobalt	2.0	B		P
7440-50-8	Copper	12.9	B		P
7439-89-6	Iron	2730			P
7439-92-1	Lead	38.4			P
7439-95-4	Magnesium	1040			P
7439-96-5	Manganese	104			P
7440-02-0	Nickel	20.1	B		P
7440-09-7	Potassium	707000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	68800			P
7440-28-0	Thallium	12.9	B		P
7440-62-2	Vanadium	47.1	B		P
7440-66-6	Zinc	165			P
57-12-5	Cyanide	49.9			CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET GW-TP-10-071414

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): WATER Lab Sample ID: N1208-08

Level (low/med): MED Date Received: 07/15/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5320			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	85.0			P
7440-39-3	Barium	5.7	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	29000			P
7440-47-3	Chromium	4.8	B		P
7440-48-4	Cobalt	11.4	B		P
7440-50-8	Copper	4.4	B		P
7439-89-6	Iron	7570			P
7439-92-1	Lead	6.3	B		P
7439-95-4	Magnesium	183	B		P
7439-96-5	Manganese	13.8	B		P
7440-02-0	Nickel	24.3	B		P
7440-09-7	Potassium	1710000			P
7782-49-2	Selenium	17.6	B		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	123000			P
7440-28-0	Thallium	15.7	B		P
7440-62-2	Vanadium	44.3	B		P
7440-66-6	Zinc	12.0	B		P
57-12-5	Cyanide	10900			CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET GW-TP-11-071414

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): WATER Lab Sample ID: N1208-09

Level (low/med): MED Date Received: 07/15/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2180			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	17.9	B		P
7440-39-3	Barium	39.5	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	122000			P
7440-47-3	Chromium	3.9	B		P
7440-48-4	Cobalt	2.9	B		P
7440-50-8	Copper	5.5	B		P
7439-89-6	Iron	4130			P
7439-92-1	Lead	7.8	B		P
7439-95-4	Magnesium	2840			P
7439-96-5	Manganese	64.8			P
7440-02-0	Nickel	13.3	B		P
7440-09-7	Potassium	257000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	29100			P
7440-28-0	Thallium	22.2			P
7440-62-2	Vanadium	7.4	B		P
7440-66-6	Zinc	18.8	B		P
57-12-5	Cyanide	252			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-46-071414

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): SOIL Lab Sample ID: N1208-01

Level (low/med): MED Date Received: 07/15/2014

% Solids: 89.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13500		*	P
7440-36-0	Antimony	1.5		N	P
7440-38-2	Arsenic	14.5		*	P
7440-39-3	Barium	117		*	P
7440-41-7	Beryllium	1.2		*	P
7440-43-9	Cadmium	5.2		*E	P
7440-70-2	Calcium	53400		*	P
7440-47-3	Chromium	60.5		N*	P
7440-48-4	Cobalt	6.7		E	P
7440-50-8	Copper	242			P
7439-89-6	Iron	107000			P
7439-92-1	Lead	293		E	P
7439-95-4	Magnesium	9340		*	P
7439-96-5	Manganese	2770		*	P
7440-02-0	Nickel	36.1		*E	P
7440-09-7	Potassium	1330		*	P
7782-49-2	Selenium	0.45	U		P
7440-22-4	Silver	0.55	B		P
7440-23-5	Sodium	228		*	P
7440-28-0	Thallium	0.16	U		P
7440-62-2	Vanadium	17.8		*	P
7440-66-6	Zinc	524		E	P
57-12-5	Cyanide	4.0			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-47-071414

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): SOIL Lab Sample ID: N1208-02

Level (low/med): MED Date Received: 07/15/2014

% Solids: 86.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7850		*	P
7440-36-0	Antimony	1.9		N	P
7440-38-2	Arsenic	13.9		*	P
7440-39-3	Barium	74.3		*	P
7440-41-7	Beryllium	1.0		*	P
7440-43-9	Cadmium	8.5		*E	P
7440-70-2	Calcium	31800		*	P
7440-47-3	Chromium	130		N*	P
7440-48-4	Cobalt	11.5		E	P
7440-50-8	Copper	216			P
7439-89-6	Iron	178000			P
7439-92-1	Lead	423		E	P
7439-95-4	Magnesium	7500		*	P
7439-96-5	Manganese	4160		*	P
7440-02-0	Nickel	73.0		*E	P
7440-09-7	Potassium	1640		*	P
7782-49-2	Selenium	0.70	U		P
7440-22-4	Silver	1.3	B		P
7440-23-5	Sodium	260		*	P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	22.8		*	P
7440-66-6	Zinc	836		E	P
57-12-5	Cyanide	3.7			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-48-071414

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): SOIL Lab Sample ID: N1208-03

Level (low/med): MED Date Received: 07/15/2014

% Solids: 86.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8800		*	P
7440-36-0	Antimony	1.7		N	P
7440-38-2	Arsenic	10.5		*	P
7440-39-3	Barium	118		*	P
7440-41-7	Beryllium	1.3		*	P
7440-43-9	Cadmium	5.8		*E	P
7440-70-2	Calcium	38800		*	P
7440-47-3	Chromium	88.3		N*	P
7440-48-4	Cobalt	7.7		E	P
7440-50-8	Copper	161			P
7439-89-6	Iron	140000			P
7439-92-1	Lead	552		E	P
7439-95-4	Magnesium	8070		*	P
7439-96-5	Manganese	2660		*	P
7440-02-0	Nickel	45.3		*E	P
7440-09-7	Potassium	1430		*	P
7782-49-2	Selenium	0.73	U		P
7440-22-4	Silver	0.95	B		P
7440-23-5	Sodium	209		*	P
7440-28-0	Thallium	0.25	U		P
7440-62-2	Vanadium	16.4		*	P
7440-66-6	Zinc	1620		E	P
57-12-5	Cyanide	0.45	U		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-49-071414

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): SOIL Lab Sample ID: N1208-04

Level (low/med): MED Date Received: 07/15/2014

% Solids: 81.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7850		*	P
7440-36-0	Antimony	3.5		N	P
7440-38-2	Arsenic	13.5		*	P
7440-39-3	Barium	108		*	P
7440-41-7	Beryllium	1.1		*	P
7440-43-9	Cadmium	8.7		*E	P
7440-70-2	Calcium	45900		*	P
7440-47-3	Chromium	148		N*	P
7440-48-4	Cobalt	9.6		E	P
7440-50-8	Copper	338			P
7439-89-6	Iron	179000			P
7439-92-1	Lead	622		E	P
7439-95-4	Magnesium	9420		*	P
7439-96-5	Manganese	4560		*	P
7440-02-0	Nickel	57.7		*E	P
7440-09-7	Potassium	1200		*	P
7782-49-2	Selenium	0.65	U		P
7440-22-4	Silver	0.94	B		P
7440-23-5	Sodium	223		*	P
7440-28-0	Thallium	0.22	U		P
7440-62-2	Vanadium	28.9		*	P
7440-66-6	Zinc	769		E	P
57-12-5	Cyanide	6.7			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-50-071414

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): SOIL Lab Sample ID: N1208-05

Level (low/med): MED Date Received: 07/15/2014

% Solids: 84.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10900		*	P
7440-36-0	Antimony	2.2		N	P
7440-38-2	Arsenic	15.0		*	P
7440-39-3	Barium	108		*	P
7440-41-7	Beryllium	1.5		*	P
7440-43-9	Cadmium	8.9		*E	P
7440-70-2	Calcium	35900		*	P
7440-47-3	Chromium	113		N*	P
7440-48-4	Cobalt	9.7		E	P
7440-50-8	Copper	208			P
7439-89-6	Iron	175000			P
7439-92-1	Lead	616		E	P
7439-95-4	Magnesium	7730		*	P
7439-96-5	Manganese	3980		*	P
7440-02-0	Nickel	62.5		*E	P
7440-09-7	Potassium	3050		*	P
7782-49-2	Selenium	0.56	U		P
7440-22-4	Silver	0.67	B		P
7440-23-5	Sodium	329		*	P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	17.6		*	P
7440-66-6	Zinc	978		E	P
57-12-5	Cyanide	0.48	U		CA

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SS-51-071414

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): SOIL Lab Sample ID: N1208-06

Level (low/med): MED Date Received: 07/15/2014

% Solids: 86.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9050		*	P
7440-36-0	Antimony	1.7		N	P
7440-38-2	Arsenic	12.4		*	P
7440-39-3	Barium	86.3		*	P
7440-41-7	Beryllium	0.99		*	P
7440-43-9	Cadmium	4.7		*E	P
7440-70-2	Calcium	47400		*	P
7440-47-3	Chromium	91.6		N*	P
7440-48-4	Cobalt	6.8		E	P
7440-50-8	Copper	106			P
7439-89-6	Iron	99600			P
7439-92-1	Lead	232		E	P
7439-95-4	Magnesium	9300		*	P
7439-96-5	Manganese	3380		*	P
7440-02-0	Nickel	45.8		*E	P
7440-09-7	Potassium	946		*	P
7782-49-2	Selenium	0.45	U		P
7440-22-4	Silver	0.49	B		P
7440-23-5	Sodium	174		*	P
7440-28-0	Thallium	0.15	U		P
7440-62-2	Vanadium	37.3		*	P
7440-66-6	Zinc	446		E	P
57-12-5	Cyanide	0.48	U		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SS-FD-06-071414

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): SOIL Lab Sample ID: N1208-07

Level (low/med): MED Date Received: 07/15/2014

% Solids: 85.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8620		*	P
7440-36-0	Antimony	3.0		N	P
7440-38-2	Arsenic	15.7		*	P
7440-39-3	Barium	81.4		*	P
7440-41-7	Beryllium	1.1		*	P
7440-43-9	Cadmium	10.2		*E	P
7440-70-2	Calcium	38000		*	P
7440-47-3	Chromium	182		N*	P
7440-48-4	Cobalt	11.9		E	P
7440-50-8	Copper	227			P
7439-89-6	Iron	178000			P
7439-92-1	Lead	433		E	P
7439-95-4	Magnesium	8260		*	P
7439-96-5	Manganese	4410		*	P
7440-02-0	Nickel	129		*E	P
7440-09-7	Potassium	1590		*	P
7782-49-2	Selenium	0.47	U		P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	208		*	P
7440-28-0	Thallium	0.16	U		P
7440-62-2	Vanadium	21.8		*	P
7440-66-6	Zinc	737		E	P
57-12-5	Cyanide	0.79	B		CA

Comments:

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78086

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	454.1		364	546.0	99.8
Antimony				22.8	22.6		18.2	27.3	99.1
Arsenic				22.8	23.7		18.2	27.3	103.9
Barium				455.0	466.4		364	546.0	102.5
Beryllium				11.4	11.4		9.1	13.6	100.0
Cadmium				11.4	11.9		9.1	13.6	104.4
Calcium				1135.0	1098.8		908	1362.0	96.8
Chromium				45.5	46.8		36.4	54.6	102.9
Cobalt				113.5	115.3		90.8	136.2	101.6
Copper				56.5	57.2		45.2	67.8	101.2
Iron				227.5	244.3		182	273.0	107.4
Lead				22.8	23.5		18.2	27.3	103.1
Magnesium				1135.0	1148.0		908	1362.0	101.1
Manganese				113.5	117.2		90.8	136.2	103.3
Nickel				113.5	115.1		90.8	136.2	101.4
Potassium				1135.0	1112.0		908	1362.0	98.0
Selenium				22.8	22.2		18.2	27.3	97.4
Silver				56.5	57.2		42.4	67.8	101.2
Sodium				1135.0	1124.7		908	1362.0	99.1
Thallium				22.8	21.8		18.2	27.3	95.6
Vanadium				113.5	114.1		90.8	136.2	100.5
Zinc				113.5	113.2		90.8	136.2	99.7

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-78099**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	8958.81	98.4						
Antimony	455.0	462.79	101.7						
Arsenic	455.0	469.76	103.2						
Barium	9100.0	9169.58	100.8						
Beryllium	227.0	226.66	99.9						
Cadmium	227.0	231.33	101.9						
Calcium	22700.0	21485.73	94.7						
Chromium	910.0	900.88	99.0						
Cobalt	2270.0	2234.96	98.5						
Copper	1130.0	1136.18	100.5						
Iron	4550.0	4665.79	102.5						
Lead	455.0	459.11	100.9						
Magnesium	22700.0	22892.87	100.8						
Manganese	2270.0	2287.49	100.8						
Nickel	2270.0	2236.50	98.5						
Potassium	22700.0	23383.57	103.0						
Selenium	455.0	467.13	102.7						
Silver	1130.0	1133.49	100.3						
Sodium	22700.0	23815.42	104.9						
Thallium	455.0	426.13	93.7						
Vanadium	2270.0	2259.83	99.6						
Zinc	2270.0	2253.17	99.3						

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78123

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide	100.0	109.69	109.7						

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78143

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide				5.0	5.8		4	6.0	116.0

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID: **LCSD-78123**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide	100.0	110.41	110.4						

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SS-51-071414S

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 86.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	11.9		1.7		25.1	41	N	P
Arsenic	75-125	38.3		12.4		25.1	104		P
Barium	75-125	657		86.3		501	114		P
Beryllium	75-125	14.2		0.99		12.5	105		P
Cadmium	75-125	15.9		4.7		12.5	90		P
Chromium	75-125	323		91.6		50.1	463	N	P
Cobalt	75-125	124		6.8		125	94		P
Copper	75-125	182		106		62.2	121		P
Lead		236		232		25.1	17		P
Nickel	75-125	150		45.8		125	84		P
Selenium	75-125	29.4		0.45	U	25.1	118		P
Silver	75-125	70.8		0.49	B	62.2	113		P
Thallium	75-125	22.2		0.15	U	25.1	89		P
Vanadium	75-125	178		37.3		125	113		P
Zinc	75-125	564		446		125	95		P
Cyanide	75-125	6.3		0.48	U	5.3	120		CA

Comments:

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5B

EPA SAMPLE NO.

POST DIGEST SPIKE SAMPLE RECOVERY

SS-51-071414A

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		513.51		48.70		455.0	102		P
Chromium		3474.35		2616.37		910.0	94		P

Comments:

6

DUPLICATES

EPA SAMPLE NO.

SS-51-071414D

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 86.5 % Solids for Duplicate: 86.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		9054.0936		13669.7288		40.6	*	P
Antimony	0.7	1.7058		1.7041		0.1		P
Arsenic		12.3751		9.6904		24.3	*	P
Barium		86.3386		127.9218		38.8	*	P
Beryllium		0.9864		1.7422		55.4	*	P
Cadmium		4.6736		3.7427		22.1	*	P
Calcium		47376.0602		75661.8377		46	*	P
Chromium		91.6494		136.6911		39.5	*	P
Cobalt	1.8	6.8443		6.3465		7.5		P
Copper		106.3599		99.8808		6.3		P
Iron		99565.9861		95325.4055		4.4		P
Lead		231.5553		219.6509		5.3		P
Magnesium		9295.9838		15964.5864		52.8	*	P
Manganese		3375.0742		5050.3910		39.8	*	P
Nickel		45.8099		33.2214		31.9	*	P
Potassium		946.0064		1165.7582		20.8	*	P
Selenium		0.4500	U	0.8461	B	200		P
Silver		0.4852	B	0.8211	B	51.4		P
Sodium	35.0	173.5815		478.1404		93.5	*	P
Thallium		0.1500	U	0.2300	U			P
Vanadium		37.2668		52.2583		33.5	*	P
Zinc		446.0165		452.3842		1.4		P
Cyanide		0.4800	U	0.4800	U			CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78123**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

LACHAT1_140718A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/18/14 13:40	C	07/18/14 14:09	C	07/18/14 14:37	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	7.500	U	CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140718A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/18/14 15:04	C	07/18/14 15:32	C	07/18/14 15:50	C		C	M
Cyanide			7.5	U	7.5	U	7.5	U			CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140718B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/18/14 18:35	C	07/18/14 18:48	C	07/18/14 19:47	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U			CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78143**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

LACHAT1_140722A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/22/14 15:51	C	07/22/14 16:19	C	07/22/14 16:39	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	0.450	U	CA

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78099**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_140717C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/17/14 14:33	C	07/17/14 15:02	C	07/17/14 15:39	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	66.000	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	9.300	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	4.300	U	P
Barium	1.3	B	1.1	U	1.7	B	1.1	U	1.100	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.260	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	110.000	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.670	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	31.000	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.850	U	P
Potassium	76.0	U	76.0	U	76.0	U	289.6	B	76.000	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P
Sodium	35.0	B	29.0	U	29.0	U	41.8	B	29.000	U	P
Thallium	6.2	U	6.2	U	7.8	B	6.2	U	6.200	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	5.238	B	P

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3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140717C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/17/14 16:08	C		C		C		C	M
Aluminum			66.0	U							P
Antimony			9.3	U							P
Arsenic			4.3	U							P
Barium			2.1	B							P
Beryllium			0.3	U							P
Cadmium			0.9	U							P
Calcium			110.0	U							P
Chromium			0.6	U							P
Cobalt			0.7	U							P
Copper			3.6	U							P
Iron			31.0	U							P
Lead			4.2	U							P
Magnesium			76.0	U							P
Manganese			10.0	U							P
Nickel			0.8	U							P
Potassium			277.2	B	250.4	B					P
Selenium			12.0	U							P
Silver			6.9	U							P
Sodium			53.4	B							P
Thallium			6.2	U							P
Vanadium			1.1	U							P
Zinc			4.9	U							P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-78086**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_140718E

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/18/14 16:59	C	07/18/14 17:43	C	07/18/14 18:28	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	1.200	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic	-6.1	B	4.3	U	4.3	U	4.3	U	0.410	U	P
Barium	1.6	B	1.2	B	1.1	U	1.1	U	0.053	B	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	110.0	U	112.4	B	110.0	U	110.0	U	6.100	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.019	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.110	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	3.124	B	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	0.630	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.143	B	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.043	U	P
Potassium	76.0	U	76.0	U	76.0	U	76.0	U	3.400	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	0.640	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	29.0	U	29.0	U	38.7	B	29.0	U	1.216	B	P
Thallium	6.2	U	-7.1	B	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	0.220	B	P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1208

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140718E

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/18/14 19:04	C		C		C	Preparation Blank	C	M
Aluminum			66.0	U							P
Antimony			9.3	U							P
Arsenic			4.3	U							P
Barium			2.1	B							P
Beryllium			0.3	U							P
Cadmium			0.9	U							P
Calcium			110.0	U	110.0	U					P
Chromium			0.6	U							P
Cobalt			0.7	U							P
Copper			3.6	U							P
Iron			31.0	U	31.0	U					P
Lead			4.2	U							P
Magnesium			76.0	U							P
Manganese			10.0	U	10.0	U					P
Nickel			0.8	U							P
Potassium			76.0	U							P
Selenium			12.0	U							P
Silver			6.9	U							P
Sodium			29.0	U							P
Thallium			6.2	U							P
Vanadium			1.1	U							P
Zinc			5.3	B							P

* Wet Chemistry *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1208

SM 3500 Cr+, B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 3500 Cr+, B

IV. PREPARATION

Samples were prepared following procedures in laboratory test code: SM 3500 Cr+, B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: SPEC2
Instrument Type: SP
Description: Spectronic 20 Genesys
Manufacturer: Spectronic Instruments
Model: 4004-000

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

D. Duplicate sample:

No client-requested laboratory duplicate analyses were included in this SDG.

E. Dilutions:

No sample required dilution in this SDG.

F. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/21/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Client: CDM-Smith, Inc.
Client Sample ID: GW-TP-10-071414
Lab ID: N1208-08
Project: Buffalo Lakeside
Collection Date: 07/14/14 14:28

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/15/2014 11:57	78085

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: GW-TP-11-071414
Lab ID: N1208-09
Project: Buffalo Lakeside
Collection Date: 07/14/14 13:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/15/2014 12:03	78085

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: FB-03-071414
Lab ID: N1208-10
Project: Buffalo Lakeside
Collection Date: 07/14/14 15:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/15/2014 12:10	78085

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: GW-TP-09-071414
Lab ID: N1208-11
Project: Buffalo Lakeside
Collection Date: 07/14/14 16:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/15/2014 12:17	78085

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: GW-FD-02-071414
Lab ID: N1208-12

Project: Buffalo Lakeside
Collection Date: 07/14/14 16:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/15/2014 12:23	78085

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

N1208

CLIENT: CDM-Smith, Inc.
Work Order: N1208
Project: Buffalo Lakeside

ANALYTICAL QC SUMMARY REPORT

SM3500_CR+

SM 3500D -- CR VI by Colorimetric Method

Sample ID: **MB-78085**	SampType: **MBLK**	TestCode: **SM3500_CR+**			Prep Date: **07/15/14 11:37**			Run ID: **SPEC2_140715A**				
Client ID: **MB-78085**	Batch ID: **78085**	Units: **mg/L**			Analysis Date: **07/15/14 11:37**			SeqNo: **2120559**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.030	0.030									

Sample ID: **LCS-78085**	SampType: **LCS**	TestCode: **SM3500_CR+**			Prep Date: **07/15/14 11:37**			Run ID: **SPEC2_140715A**				
Client ID: **LCS-78085**	Batch ID: **78085**	Units: **mg/L**			Analysis Date: **07/15/14 11:44**			SeqNo: **2120561**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.4170	0.030	0.030	0.4000	0	104	80	120	0			

Sample ID: **LCSD-78085**	SampType: **LCSD**	TestCode: **SM3500_CR+**			Prep Date: **07/15/14 11:37**			Run ID: **SPEC2_140715A**				
Client ID: **LCSD-78085**	Batch ID: **78085**	Units: **mg/L**			Analysis Date: **07/15/14 11:50**			SeqNo: **2120562**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.4080	0.030	0.030	0.4000	0	102	80	120	0.4170	2.18	20	

Qualifiers:
ND - Not Detected at the MDL
J - Analyte detected below quanititation limits
S - Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
MDL - Method Detection Limit
RL - Reporting Limit
B - Analyte detected in the associated Method Blank

* Wet Chemistry *

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

Analysis Report

July 24, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/14/14	11:40
Location Code:	SPECTRUM-RI	Received by:	LK	07/17/14	15:21
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1208				

Laboratory Data

SDG ID: GBG76900
Phoenix ID: BG76900

Project ID: BUFFALO LAKESIDE
Client ID: SS-46-071414

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	07/17/14	I	E160.3
Chromium, Hexavalent	< 0.43	0.43	mg/Kg	07/21/14	CL	SW3060/7196
pH - Soil	8.61	0.10	pH Units	07/17/14 20:00	O/EG	4500-H B/9045
Redox Potential	209	1.0	mV	07/17/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Sarah Bell, Project Manager

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

Analysis Report

July 24, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/14/14	11:50
Location Code:	SPECTRUM-RI	Received by:	LK	07/17/14	15:21
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1208				

Laboratory Data

SDG ID: GBG76900
Phoenix ID: BG76901

Project ID: BUFFALO LAKESIDE
Client ID: SS-47-071414

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	07/17/14	I	E160.3
Chromium, Hexavalent	< 0.53	0.53	mg/Kg	07/21/14	CL	SW3060/7196
pH - Soil	8.75	0.10	pH Units	07/17/14 20:00	O/EG	4500-H B/9045
Redox Potential	207	1.0	mV	07/17/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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

Analysis Report

July 24, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/14/14	12:05
Location Code:	SPECTRUM-RI	Received by:	LK	07/17/14	15:21
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1208				

Laboratory Data

SDG ID: GBG76900
Phoenix ID: BG76902

Project ID: BUFFALO LAKESIDE
Client ID: SS-48-071414

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/17/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	07/21/14	CL	SW3060/7196
pH - Soil	8.68	0.10	pH Units	07/17/14 20:00	O/EG	4500-H B/9045
Redox Potential	206	1.0	mV	07/17/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

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Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Sarah Bell, Project Manager

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

Analysis Report

July 24, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/14/14	12:15
Location Code:	SPECTRUM-RI	Received by:	LK	07/17/14	15:21
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1208				

Laboratory Data

SDG ID: GBG76900
Phoenix ID: BG76903

Project ID: BUFFALO LAKESIDE
Client ID: SS-49-071414

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	07/17/14	I	E160.3
Chromium, Hexavalent	< 0.46	0.46	mg/Kg	07/21/14	CL	SW3060/7196
pH - Soil	8.81	0.10	pH Units	07/17/14 20:00	O/EG	4500-H B/9045
Redox Potential	233	1.0	mV	07/17/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Sarah Bell, Project Manager

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

Analysis Report

July 24, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/14/14	12:22
Location Code:	SPECTRUM-RI	Received by:	LK	07/17/14	15:21
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1208				

Laboratory Data

SDG ID: GBG76900
Phoenix ID: BG76904

Project ID: BUFFALO LAKESIDE
Client ID: SS-50-071414

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	07/17/14	I	E160.3
Chromium, Hexavalent	< 0.50	0.50	mg/Kg	07/21/14	CL	SW3060/7196
pH - Soil	8.51	0.10	pH Units	07/17/14 20:00	O/EG	4500-H B/9045
Redox Potential	251	1.0	mV	07/17/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Sarah Bell, Project Manager

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

Analysis Report

July 24, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/14/14	12:30
Location Code:	SPECTRUM-RI	Received by:	LK	07/17/14	15:21
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1208				

Laboratory Data

SDG ID: GBG76900
Phoenix ID: BG76905

Project ID: BUFFALO LAKESIDE
Client ID: SS-51-071414

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	07/17/14	I	E160.3
Chromium, Hexavalent MS/MSD	Completed			07/22/14	KDB	SW3060/7196
Chromium, Hexavalent	< 0.46	0.46	mg/Kg	07/22/14	KDB	SW3060/7196
pH - Soil	8.77	0.10	pH Units	07/17/14 20:00	O/EG	4500-H B/9045
Hexavelent Chromium	Completed			07/21/14		
Redox Potential	250	1.0	mV	07/17/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Sarah Bell, Project Manager

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

Analysis Report

July 24, 2014

FOR: Attn: Agnes Huntley
Spectrum Analytical
Rhode Island Division
646 Camp Avenue
North Kingstown, RI 02852

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/14/14	11:50
Location Code:	SPECTRUM-RI	Received by:	LK	07/17/14	15:21
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	N1208				

Laboratory Data

SDG ID: GBG76900
Phoenix ID: BG76906

Project ID: BUFFALO LAKESIDE
Client ID: SS-FD-06-071414

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/17/14	I	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	07/21/14	CL	SW3060/7196
pH - Soil	8.76	0.10	pH Units	07/17/14 20:00	O/EG	4500-H B/9045
Redox Potential	209	1.0	mV	07/17/14	O/EG	SM2580B

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in an oxidizing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
July 24, 2014
Reviewed and Released by: Sarah Bell, Project Manager

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

QA/QC Report

July 24, 2014

QA/QC Data

SDG I.D.: GBG76900

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 280611, QC Sample No: BG76905 (BG76900, BG76901, BG76902, BG76903, BG76904, BG76905, BG76906)													
Hex Chromium - Soil													
Hexavalent Cr	BRL	<0.46	<0.46	NC	103						70 - 130	30	
Insoluble Cr					97.6			91.9			70 - 130	30	
Soluble Cr					99.3			<10.0			70 - 130	30	m
Comment:													
Soluble spike analyzed twice with similar resullts, post digestive spike was 100%.													

m = This parameter is outside laboratory ms/msd specified recovery limits.

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

QA/QC Report

July 24, 2014

QA/QC Data

SDG I.D.: GBG76900

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 280419, QC Sample No: BG76900 (BG76900, BG76901, BG76902, BG76903, BG76904, BG76905, BG76906)												
pH - Soil		8.61	8.77	1.80	96.5						85 - 115	20

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

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

Phyllis Shiller, Laboratory Director
July 24, 2014

Thursday, July 24, 2014

Criteria: None

State: RI

Sample Criteria Exceedences Report

GBG76900 - SPECTRUM-RI

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

*** No Data to Display ***

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

Report Date:
25-Jul-14 16:09

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: N1220
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
N1220-01	GW-TP-06-071514	Aqueous	15-Jul-14 11:25	16-Jul-14 07:58
N1220-02	GW-TP-07-071514	Aqueous	15-Jul-14 12:45	16-Jul-14 07:58
N1220-03	GW-TP-12-071514	Aqueous	15-Jul-14 13:45	16-Jul-14 07:58

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1220

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
GW-TP-06-071514	N1220-01		SW8270_W		SW6010_W	SEE DATA
GW-TP-07-071514	N1220-02		SW8270_W		SW6010_W	SEE DATA
GW-TP-12-071514	N1220-03		SW8270_W		SW6010_W	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1220

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_W					
N1220-01A	AQ	7/15/2014	7/16/2014	7/22/2014	7/22/2014
N1220-02A	AQ	7/15/2014	7/16/2014	7/22/2014	7/22/2014
N1220-03A	AQ	7/15/2014	7/16/2014	7/22/2014	7/22/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1220

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_W					
N1220-01A	AQ	SW8270_W	3510C	NA	1
N1220-02A	AQ	SW8270_W	3510C	NA	1
N1220-03A	AQ	SW8270_W	3510C	NA	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** N1220

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
N1220-01D	AQ	SW6010_W	7/16/2014	7/17/2014
N1220-02D	AQ	SW6010_W	7/16/2014	7/17/2014
N1220-03D	AQ	SW6010_W	7/16/2014	7/17/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1220

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: Needs a CD

Case:
SDG:
PO:

HC Due: 07/28/14
Fax Due: 07/23/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1220-01A	GW-TP-06-071514	07/15/2014 11:25	07/16/2014	Aqueous	SW8270_W	/				Y	U3
N1220-01B	GW-TP-06-071514	07/15/2014 11:25	07/16/2014	Aqueous	SM3500_CR+	/					U3
N1220-01C	GW-TP-06-071514	07/15/2014 11:25	07/16/2014	Aqueous	SW9012_W	/					U3
N1220-01D	GW-TP-06-071514	07/15/2014 11:25	07/16/2014	Aqueous	SW6010_W	/					M5
N1220-02A	GW-TP-07-071514	07/15/2014 12:45	07/16/2014	Aqueous	SW8270_W	/				Y	U3
N1220-02B	GW-TP-07-071514	07/15/2014 12:45	07/16/2014	Aqueous	SM3500_CR+	/					U3
N1220-02C	GW-TP-07-071514	07/15/2014 12:45	07/16/2014	Aqueous	SW9012_W	/					U3
N1220-02D	GW-TP-07-071514	07/15/2014 12:45	07/16/2014	Aqueous	SW6010_W	/					M5
N1220-03A	GW-TP-12-071514	07/15/2014 13:45	07/16/2014	Aqueous	SW8270_W	/				Y	U3
N1220-03B	GW-TP-12-071514	07/15/2014 13:45	07/16/2014	Aqueous	SM3500_CR+	/					U3
N1220-03C	GW-TP-12-071514	07/15/2014 13:45	07/16/2014	Aqueous	SW9012_W	/					U3
N1220-03D	GW-TP-12-071514	07/15/2014 13:45	07/16/2014	Aqueous	SW6010_W	/					M5

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

07/17/2014 10:25 Lab Client Rep: Agnes R Huntley

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1220

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S6
Instrument Type: GCMS-Semi

Description: HP7890A
Manufacturer: Agilent
Model: 7890A/5973

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

GW-TP-06-071514 (N1220-01A), recovery is below criteria for 2,4,6-Tribromophenol at 16% with criteria of (40-125), 2-Fluorobiphenyl at 18% with criteria of (50-110), 2-Fluorophenol at 11% with criteria of (20-110), Nitrobenzene-d5 at 23% with criteria of (40-110), Phenol-d5 at 8% with criteria of (10-115) and Terphenyl-d14 at 24% with criteria of (50-135). Severe emulsion was observed during sample extraction. Re-extraction could not be performed due to sample volume.

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

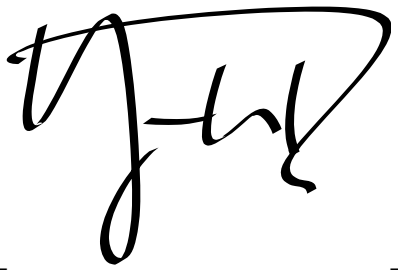
No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____7/23/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-06-071514

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1220 Mod. Ref No.: SDG No.: SN1220

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1220-01A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8757.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/16/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/22/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/22/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	22	
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-07-071514

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1220 Mod. Ref No.: SDG No.: SN1220

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1220-02A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8758.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/16/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/22/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/22/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	4.8	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	8.9	J
86-73-7	Fluorene	7.6	J
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	8.1	J
120-12-7	Anthracene	2.6	J
206-44-0	Fluoranthene	2.7	J
129-00-0	Pyrene	1.8	J
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-12-071514

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1220 Mod. Ref No.: SDG No.: SN1220

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1220-03A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8759.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/16/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/22/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/22/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78178

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1220 Mod. Ref No.: SDG No.: SN1220

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-78178

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8751.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/22/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/22/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78178

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1220 Mod. Ref No.: SDG No.: SN1220

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-78178

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8752.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/22/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/22/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	20	
95-48-7	2-Methylphenol	34	
106-44-5	4-Methylphenol	32	
91-20-3	Naphthalene	42	
208-96-8	Acenaphthylene	41	
83-32-9	Acenaphthene	40	
86-73-7	Fluorene	41	
87-86-5	Pentachlorophenol	25	
85-01-8	Phenanthrene	41	
120-12-7	Anthracene	40	
206-44-0	Fluoranthene	38	
129-00-0	Pyrene	46	
56-55-3	Benzo(a)anthracene	42	
218-01-9	Chrysene	42	
205-99-2	Benzo(b)fluoranthene	43	
207-08-9	Benzo(k)fluoranthene	41	
50-32-8	Benzo(a)pyrene	43	
193-39-5	Indeno(1,2,3-cd)pyrene	43	
53-70-3	Dibenzo(a,h)anthracene	43	
191-24-2	Benzo(g,h,i)perylene	42	

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1220 Mod. Ref No.: SDG No.: SN1220

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78178	90	81	104	30	42	76			0
02	LCS-78178	90	82	100	34	48	81			0
03	GW-TP-06-071514	23 *	18 *	24 *	8 *	11 *	16 *			6
04	GW-TP-07-071514	102	96	89	27	42	100			0
05	GW-TP-12-071514	95	94	111	22	33	103			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(40-110)
SDMC2	(FBP) = 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH) = Terphenyl-d14	(50-135)
SDMC4	(PHL) = Phenol-d5	(10-115)
SDMC5	(2FP) = 2-Fluorophenol	(20-110)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78178

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1220 Mod. Ref No.: SDG No.: SN1220

Lab Sample ID: LCS-78178 LCS Lot No.: A0100278

Date Extracted: 07/22/2014 Date Analyzed (1): 07/22/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	20.4367	41		0 - 115
2-Methylphenol	50.0000	0.0000	33.9546	68		40 - 110
4-Methylphenol	50.0000	0.0000	32.0295	64		30 - 110
Naphthalene	50.0000	0.0000	42.4027	85		40 - 100
Acenaphthylene	50.0000	0.0000	40.7613	82		50 - 105
Acenaphthene	50.0000	0.0000	40.2987	81		45 - 110
Fluorene	50.0000	0.0000	41.1487	82		50 - 110
Pentachlorophenol	50.0000	0.0000	25.4966	51		40 - 115
Phenanthrene	50.0000	0.0000	40.6380	81		50 - 115
Anthracene	50.0000	0.0000	39.8422	80		55 - 110
Fluoranthene	50.0000	0.0000	38.4723	77		55 - 115
Pyrene	50.0000	0.0000	46.1528	92		50 - 130
Benzo(a)anthracene	50.0000	0.0000	42.4283	85		55 - 110
Chrysene	50.0000	0.0000	42.2672	85		55 - 110
Benzo(b)fluoranthene	50.0000	0.0000	43.4881	87		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	41.3035	83		45 - 125
Benzo(a)pyrene	50.0000	0.0000	43.0268	86		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	43.1129	86		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	42.5279	85		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	41.8333	84		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78178

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1220 Mod. Ref No.: SDG No.: SN1220

Lab File ID: S6B8751.D Lab Sample ID: MB-78178

Instrument ID: S6 Date Extracted: 07/22/2014

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 07/22/2014

Level: (LOW/MED) LOW Time Analyzed: 13:27

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-78178	LCS-78178	S6B8752.D	07/22/2014
02	GW-TP-06-071514	N1220-01A	S6B8757.D	07/22/2014
03	GW-TP-07-071514	N1220-02A	S6B8758.D	07/22/2014
04	GW-TP-12-071514	N1220-03A	S6B8759.D	07/22/2014

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1220 Mod. Ref No.: SDG No.: SN1220

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256N Date Analyzed: 07/22/2014

Lab File ID (Standard): S6B8747.D Time Analyzed: 10:56

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	328999		4.872		1279469		5.953		835491		7.411	
	UPPER LIMIT	657998		5.372		2558938		6.453		1670982		7.911	
	LOWER LIMIT	164500		4.372		639735		5.453		417746		6.911	
	EPA SAMPLE NO.												
01	MB-78178	296741		4.872		1087281		5.948		752516		7.411	
02	LCS-78178	326050		4.872		1177776		5.953		794507		7.411	
03	GW-TP-06-071514	278967		4.872		988558		5.948		675758		7.411	
04	GW-TP-07-071514	262621		4.872		938492		5.948		605894		7.411	
05	GW-TP-12-071514	234164		4.872		876601		5.948		592777		7.405	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1220 Mod. Ref No.: SDG No.: SN1220

EPA Sample No.(SSTD020##) SSTD0256N Date Analyzed: 07/22/2014

Lab File ID (Standard): S6B8747.D Time Analyzed: 10:56

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1671892		8.645		1420183		11.03		1258907		13.274	
	UPPER LIMIT	3343784		9.145		2840366		11.53		2517814		13.774	
	LOWER LIMIT	835946		8.145		710092		10.53		629454		12.774	
	EPA SAMPLE NO.												
01	MB-78178	1517957		8.639		1348651		10.989		1119526		13.216	
02	LCS-78178	1587334		8.645		1320140		11.001		1179878		13.227	
03	GW-TP-06-071514	1345833		8.639		1139321		10.995		986188		13.222	
04	GW-TP-07-071514	1128378		8.639		1002671		10.989		892073		13.222	
05	GW-TP-12-071514	1198571		8.639		1074631		10.995		921138		13.228	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals/ Cyanide *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1220

SW846 6010C, SW846 9012B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test codes: SW846 6010C, SW846 9012B

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW9012B
Aqueous Samples were prepared following procedures in laboratory test code: SW3005A

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: LACHAT1

Instrument Type: WC
Description: Flow Injection Analyzer
Manufacturer: Zellweger Analytics
Model: Quik-Chem 8000

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

A matrix spike was not performed on any sample in this SDG.

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

A duplicate analysis was not performed on any sample in this SDG.

F. Serial Dilution (SD):

A serial dilution was not performed on any sample in this SDG.

G. Samples:

Sample GW-TP-06-071514 (N1220-01C) required a 20x dilution for Cyanide. No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/25/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GW-TP-06-071514

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1220

Matrix (soil/water): WATER Lab Sample ID: N1220-01

Level (low/med): MED Date Received: 07/16/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7000			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	17.5	B		P
7440-39-3	Barium	85.1	B		P
7440-41-7	Beryllium	0.61	B		P
7440-43-9	Cadmium	1.1	B		P
7440-70-2	Calcium	51500			P
7440-47-3	Chromium	18.1	B		P
7440-48-4	Cobalt	10.2	B		P
7440-50-8	Copper	56.3			P
7439-89-6	Iron	16400			P
7439-92-1	Lead	107			P
7439-95-4	Magnesium	8700			P
7439-96-5	Manganese	779			P
7440-02-0	Nickel	24.2	B		P
7440-09-7	Potassium	315000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	391000			P
7440-28-0	Thallium	17.7	B		P
7440-62-2	Vanadium	29.5	B		P
7440-66-6	Zinc	246			P
57-12-5	Cyanide	1840			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GW-TP-07-071514

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1220

Matrix (soil/water): WATER Lab Sample ID: N1220-02

Level (low/med): MED Date Received: 07/16/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	198	B		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	27.4	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	48500			P
7440-47-3	Chromium	1.1	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.8	B		P
7439-89-6	Iron	1300			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	43100			P
7439-96-5	Manganese	217			P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	122000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	33800			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	9.6	B		P
57-12-5	Cyanide	189			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GW-TP-12-071514

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1220

Matrix (soil/water): WATER Lab Sample ID: N1220-03

Level (low/med): MED Date Received: 07/16/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	963			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	11.0	B		P
7440-39-3	Barium	16.9	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	58300			P
7440-47-3	Chromium	0.95	B		P
7440-48-4	Cobalt	0.74	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	1600			P
7439-92-1	Lead	5.1	B		P
7439-95-4	Magnesium	1480			P
7439-96-5	Manganese	79.1			P
7440-02-0	Nickel	1.7	B		P
7440-09-7	Potassium	147000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	72900			P
7440-28-0	Thallium	17.5	B		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	25.8	B		P
57-12-5	Cyanide	132			CA

Comments:

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1220

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78099

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	8958.81	98.4						
Antimony	455.0	462.79	101.7						
Arsenic	455.0	469.76	103.2						
Barium	9100.0	9169.58	100.8						
Beryllium	227.0	226.66	99.9						
Cadmium	227.0	231.33	101.9						
Calcium	22700.0	21485.73	94.7						
Chromium	910.0	900.88	99.0						
Cobalt	2270.0	2234.96	98.5						
Copper	1130.0	1136.18	100.5						
Iron	4550.0	4665.79	102.5						
Lead	455.0	459.11	100.9						
Magnesium	22700.0	22892.87	100.8						
Manganese	2270.0	2287.49	100.8						
Nickel	2270.0	2236.50	98.5						
Potassium	22700.0	23383.57	103.0						
Selenium	455.0	467.13	102.7						
Silver	1130.0	1133.49	100.3						
Sodium	22700.0	23815.42	104.9						
Thallium	455.0	426.13	93.7						
Vanadium	2270.0	2259.83	99.6						
Zinc	2270.0	2253.17	99.3						

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1220

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78174

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide	100.0	98.91	98.9						

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1220

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78174**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

LACHAT1_140723A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/23/14 13:05	C	07/23/14 13:35	C	07/23/14 14:03	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	7.500	U	CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1220

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140723A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/23/14 14:31	C	07/23/14 14:58	C		C		C	M
Cyanide			7.5	U	7.5	U					CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1220

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140723C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/23/14 17:07	C	07/23/14 17:17	C		C		C	M
Cyanide	-9.2	B	-7.7	B	-8.2	B					CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1220

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78099**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_140717C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/17/14 14:33	C	07/17/14 15:02	C	07/17/14 15:39	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	66.000	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	9.300	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	4.300	U	P
Barium	1.3	B	1.1	U	1.7	B	1.1	U	1.100	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.260	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	110.000	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.670	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	31.000	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.850	U	P
Potassium	76.0	U	76.0	U	76.0	U	289.6	B	76.000	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P
Sodium	35.0	B	29.0	U	29.0	U	41.8	B	29.000	U	P
Thallium	6.2	U	6.2	U	7.8	B	6.2	U	6.200	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	5.238	B	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1220

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140717C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/17/14 16:08	C	07/17/14 16:38	C		C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U					P
Antimony			9.3	U	9.3	U					P
Arsenic			4.3	U	-4.4	B					P
Barium			2.1	B	2.3	B					P
Beryllium			0.3	U	0.3	U					P
Cadmium			0.9	U	0.9	U					P
Calcium			110.0	U	110.0	U					P
Chromium			0.6	U	0.6	U					P
Cobalt			0.7	U	0.7	U					P
Copper			3.6	U	3.6	U					P
Iron			31.0	U	31.0	U					P
Lead			4.2	U	4.2	U					P
Magnesium			76.0	U	76.0	U					P
Manganese			10.0	U	10.0	U					P
Nickel			0.8	U	0.8	U					P
Potassium			277.2	B	250.4	B					P
Selenium			12.0	U	12.0	U					P
Silver			6.9	U	6.9	U					P
Sodium			53.4	B	43.8	B					P
Thallium			6.2	U	6.2	U					P
Vanadium			1.1	U	1.1	U					P
Zinc			4.9	U	4.9	U					P

* Wet Chemistry *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1220

SM 3500 Cr+, B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 3500 Cr+, B

IV. PREPARATION

Samples were prepared following procedures in laboratory test code: SM 3500 Cr+, B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: SPEC2
Instrument Type: SP
Description: Spectronic 20 Genesys
Manufacturer: Spectronic Instruments
Model: 4004-000

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

D. Duplicate sample:

No client-requested laboratory duplicate analyses were included in this SDG.

E. Dilutions:

No sample required dilution in this SDG.

F. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/21/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Client: CDM-Smith, Inc.
Client Sample ID: GW-TP-06-071514
Lab ID: N1220-01
Project: Buffalo Lakeside
Collection Date: 07/15/14 11:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/16/2014 11:10	78097

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: GW-TP-07-071514 **Project:** Buffalo Lakeside
Lab ID: N1220-02 **Collection Date:** 07/15/14 12:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/16/2014 11:13	78097

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: GW-TP-12-071514
Lab ID: N1220-03
Project: Buffalo Lakeside
Collection Date: 07/15/14 13:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/16/2014 11:16	78097

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

N1220

CLIENT: CDM-Smith, Inc.
Work Order: N1220
Project: Buffalo Lakeside

ANALYTICAL QC SUMMARY REPORT

SM3500_CR+

SM 3500D -- CR VI by Colorimetric Method

Sample ID: **MB-78097**	SampType: **MBLK**	TestCode: **SM3500_CR+**	Prep Date: **07/16/14 11:05**	Run ID: **SPEC2_140716A**
Client ID: **MB-78097**	Batch ID: **78097**	Units: **mg/L**	Analysis Date: **07/16/14 11:05**	SeqNo: **2120568**

Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.030	0.030									

Sample ID: **LCS-78097**	SampType: **LCS**	TestCode: **SM3500_CR+**	Prep Date: **07/16/14 11:05**	Run ID: **SPEC2_140716A**
Client ID: **LCS-78097**	Batch ID: **78097**	Units: **mg/L**	Analysis Date: **07/16/14 11:08**	SeqNo: **2120569**

Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.3930	0.030	0.030	0.4000	0	98.3	80	120	0			

Qualifiers:
ND - Not Detected at the MDL
J - Analyte detected below quanititation limits
S - Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
MDL - Method Detection Limit
RL - Reporting Limit
B - Analyte detected in the associated Method Blank

Report Date:
25-Jul-14 16:20

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

- [x] Final Report
- [ ] Re-Issued Report
- [ ] Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: N1221
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
N1221-01	GW-TP-05-071514	Aqueous	15-Jul-14 08:50	16-Jul-14 09:48
N1221-02	GW-FB-04-071514	Aqueous	15-Jul-14 09:30	16-Jul-14 09:48

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1221

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
GW-TP-05-071514	N1221-01		SW8270_W		SW6010_W	SEE DATA
GW-FB-04-071514	N1221-02		SW8270_W		SW6010_W	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1221

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_W					
N1221-01A	AQ	7/15/2014	7/16/2014	7/22/2014	7/22/2014
N1221-01AMS	AQ	7/15/2014	7/16/2014	7/22/2014	7/22/2014
N1221-01AMSD	AQ	7/15/2014	7/16/2014	7/22/2014	7/22/2014
N1221-02A	AQ	7/15/2014	7/16/2014	7/22/2014	7/22/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1221

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_W					
N1221-01A	AQ	SW8270_W	3510C	NA	1
N1221-01AMS	AQ	SW8270_W	3510C	NA	1
N1221-01AMSD	AQ	SW8270_W	3510C	NA	1
N1221-02A	AQ	SW8270_W	3510C	NA	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** N1221

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
N1221-01D	AQ	SW6010_W	7/16/2014	7/17/2014
N1221-01DDUP	AQ	SW6010_W	7/16/2014	7/17/2014
N1221-01DMS	AQ	SW6010_W	7/16/2014	7/17/2014
N1221-02D	AQ	SW6010_W	7/16/2014	7/17/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1221

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,

Case:
SDG:
PO: NEEDS PO

HC Due: 07/28/14
Fax Due: 07/23/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Comments: Needs a CD. Send CD to Judy Harry at Data Validation Services, 818 SE Downing Dr, High Springs, FL 32643, (386) 454-0556

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1221-01A	GW-TP-05-071514	07/15/2014 08:50	07/16/2014	Aqueous	SW8270_W	/			Y	Y	N1
N1221-01B	GW-TP-05-071514	07/15/2014 08:50	07/16/2014	Aqueous	SM3500_CR+	/			Y		N1
N1221-01C	GW-TP-05-071514	07/15/2014 08:50	07/16/2014	Aqueous	SW9012_W	/			Y		N1
N1221-01D	GW-TP-05-071514	07/15/2014 08:50	07/16/2014	Aqueous	SW6010_W	/			Y		M5
N1221-02A	GW-FB-04-071514	07/15/2014 09:30	07/16/2014	Aqueous	SW8270_W	/				Y	N1
N1221-02B	GW-FB-04-071514	07/15/2014 09:30	07/16/2014	Aqueous	SM3500_CR+	/					N1
N1221-02C	GW-FB-04-071514	07/15/2014 09:30	07/16/2014	Aqueous	SW9012_W	/					N1
N1221-02D	GW-FB-04-071514	07/15/2014 09:30	07/16/2014	Aqueous	SW6010_W	/					M5

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

07/25/2014 16:20 Lab Client Rep: Agnes R Huntley

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1221

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S6
Instrument Type: GCMS-Semi

Description: HP7890A
Manufacturer: Agilent
Model: 7890A/5973

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

GW-FB-04-071514 (N1221-02A), recovery is above criteria for Nitrobenzene-d5 at 111% with criteria of (40-110).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on samples: GW-TP-05-071514 (N1221-01AMS) and GW-TP-05-071514 (N1221-01AMSD).

Percent recoveries were within the QC limits with the following exceptions:

GW-TP-05-071514 (N1221-01AMS), recovery is above criteria for Benzo(a)anthracene at 111% with criteria of (55-110).

Replicate RPDs were within the advisory QC limits.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

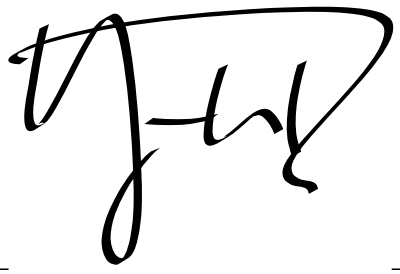
No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____7/23/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-05-071514

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1221-01A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8760.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/16/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/22/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/22/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-FB-04-071514

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1221-02A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8763.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/16/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/22/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/22/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78178

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-78178

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8751.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/22/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/22/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78178

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-78178

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8752.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/22/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/22/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	20	
95-48-7	2-Methylphenol	34	
106-44-5	4-Methylphenol	32	
91-20-3	Naphthalene	42	
208-96-8	Acenaphthylene	41	
83-32-9	Acenaphthene	40	
86-73-7	Fluorene	41	
87-86-5	Pentachlorophenol	25	
85-01-8	Phenanthrene	41	
120-12-7	Anthracene	40	
206-44-0	Fluoranthene	38	
129-00-0	Pyrene	46	
56-55-3	Benzo(a)anthracene	42	
218-01-9	Chrysene	42	
205-99-2	Benzo(b)fluoranthene	43	
207-08-9	Benzo(k)fluoranthene	41	
50-32-8	Benzo(a)pyrene	43	
193-39-5	Indeno(1,2,3-cd)pyrene	43	
53-70-3	Dibenzo(a,h)anthracene	43	
191-24-2	Benzo(g,h,i)perylene	42	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-05-071514MS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1221-01AMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8761.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/16/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/22/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/22/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	14	
95-48-7	2-Methylphenol	31	
106-44-5	4-Methylphenol	27	
91-20-3	Naphthalene	46	
208-96-8	Acenaphthylene	49	
83-32-9	Acenaphthene	49	
86-73-7	Fluorene	51	
87-86-5	Pentachlorophenol	36	
85-01-8	Phenanthrene	51	
120-12-7	Anthracene	51	
206-44-0	Fluoranthene	52	
129-00-0	Pyrene	54	
56-55-3	Benzo(a)anthracene	56	
218-01-9	Chrysene	54	
205-99-2	Benzo(b)fluoranthene	57	
207-08-9	Benzo(k)fluoranthene	53	
50-32-8	Benzo(a)pyrene	55	
193-39-5	Indeno(1,2,3-cd)pyrene	55	
53-70-3	Dibenzo(a,h)anthracene	57	
191-24-2	Benzo(g,h,i)perylene	55	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-TP-05-071514M SD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1221-01AMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B8762.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 07/16/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 07/22/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 07/22/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	15	
95-48-7	2-Methylphenol	32	
106-44-5	4-Methylphenol	29	
91-20-3	Naphthalene	47	
208-96-8	Acenaphthylene	47	
83-32-9	Acenaphthene	47	
86-73-7	Fluorene	47	
87-86-5	Pentachlorophenol	29	
85-01-8	Phenanthrene	46	
120-12-7	Anthracene	45	
206-44-0	Fluoranthene	43	
129-00-0	Pyrene	52	
56-55-3	Benzo(a)anthracene	47	
218-01-9	Chrysene	47	
205-99-2	Benzo(b)fluoranthene	49	
207-08-9	Benzo(k)fluoranthene	49	
50-32-8	Benzo(a)pyrene	49	
193-39-5	Indeno(1,2,3-cd)pyrene	50	
53-70-3	Dibenzo(a,h)anthracene	48	
191-24-2	Benzo(g,h,i)perylene	48	

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78178	90	81	104	30	42	76			0
02	LCS-78178	90	82	100	34	48	81			0
03	GW-TP-05-071514	97	89	113	21	35	96			0
04	GW-TP-05-071514MS	104	99	105	20	35	101			0
05	GW-TP-05-071514MSD	99	93	102	24	38	91			0
06	GW-FB-04-071514	111 *	102	132	29	46	105			1

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(40-110)
SDMC2	(FBP) = 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH) = Terphenyl-d14	(50-135)
SDMC4	(PHL) = Phenol-d5	(10-115)
SDMC5	(2FP) = 2-Fluorophenol	(20-110)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

Matrix Spike - EPA Sample No.: GW-TP-05-071514

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	13.8466	28		0-115
2-Methylphenol	50.0000	0.0000	30.7507	62		40-110
4-Methylphenol	50.0000	0.0000	27.4125	55		30-110
Naphthalene	50.0000	0.0000	46.0932	92		40-100
Acenaphthylene	50.0000	0.0000	48.6108	97		50-105
Acenaphthene	50.0000	0.0000	49.1058	98		45-110
Fluorene	50.0000	0.0000	50.6136	101		50-110
Pentachlorophenol	50.0000	0.0000	35.8779	72		40-115
Phenanthrene	50.0000	0.0000	51.4203	103		50-115
Anthracene	50.0000	0.0000	51.0517	102		55-110
Fluoranthene	50.0000	0.0000	52.1863	104		55-115
Pyrene	50.0000	0.0000	53.8223	108		50-130
Benzo(a)anthracene	50.0000	0.0000	55.6507	111	*	55-110
Chrysene	50.0000	0.0000	54.3809	109		55-110
Benzo(b)fluoranthene	50.0000	0.0000	56.8461	114		45-120
Benzo(k)fluoranthene	50.0000	0.0000	53.1142	106		45-125
Benzo(a)pyrene	50.0000	0.0000	54.8789	110		55-110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	54.7630	110		45-125
Dibenzo(a,h)anthracene	50.0000	0.0000	56.9897	114		40-125
Benzo(g,h,i)perylene	50.0000	0.0000	54.8670	110		40-125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0000	15.1334	30		9		0-40	0-115
2-Methylphenol	50.0000	32.4396	65		5		0-40	40-110
4-Methylphenol	50.0000	28.7497	57		5		0-40	30-110
Naphthalene	50.0000	47.3208	95		3		0-40	40-100
Acenaphthylene	50.0000	46.5241	93		4		0-40	50-105
Acenaphthene	50.0000	46.8761	94		5		0-40	45-110
Fluorene	50.0000	47.2455	94		7		0-40	50-110
Pentachlorophenol	50.0000	28.6686	57		22		0-40	40-115
Phenanthrene	50.0000	46.0125	92		11		0-40	50-115
Anthracene	50.0000	45.1943	90		12		0-40	55-110
Fluoranthene	50.0000	43.4197	87		18		0-40	55-115
Pyrene	50.0000	51.8895	104		4		0-40	50-130
Benzo(a)anthracene	50.0000	47.2306	94		16		0-40	55-110
Chrysene	50.0000	46.5490	93		16		0-40	55-110
Benzo(b)fluoranthene	50.0000	48.7880	98		15		0-40	45-120
Benzo(k)fluoranthene	50.0000	49.1091	98		8		0-40	45-125
Benzo(a)pyrene	50.0000	48.8263	98		12		0-40	55-110
Indeno(1,2,3-cd)pyrene	50.0000	49.9062	100		9		0-40	45-125
Dibenzo(a,h)anthracene	50.0000	48.1088	96		17		0-40	40-125
Benzo(g,h,i)perylene	50.0000	48.0412	96		13		0-40	40-125

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

Matrix Spike - EPA Sample No.: GW-TP-05-071514

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 1 out of 40 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78178

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

Lab Sample ID: LCS-78178 LCS Lot No.: A0100278

Date Extracted: 07/22/2014 Date Analyzed (1): 07/22/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	20.4367	41		0 - 115
2-Methylphenol	50.0000	0.0000	33.9546	68		40 - 110
4-Methylphenol	50.0000	0.0000	32.0295	64		30 - 110
Naphthalene	50.0000	0.0000	42.4027	85		40 - 100
Acenaphthylene	50.0000	0.0000	40.7613	82		50 - 105
Acenaphthene	50.0000	0.0000	40.2987	81		45 - 110
Fluorene	50.0000	0.0000	41.1487	82		50 - 110
Pentachlorophenol	50.0000	0.0000	25.4966	51		40 - 115
Phenanthrene	50.0000	0.0000	40.6380	81		50 - 115
Anthracene	50.0000	0.0000	39.8422	80		55 - 110
Fluoranthene	50.0000	0.0000	38.4723	77		55 - 115
Pyrene	50.0000	0.0000	46.1528	92		50 - 130
Benzo(a)anthracene	50.0000	0.0000	42.4283	85		55 - 110
Chrysene	50.0000	0.0000	42.2672	85		55 - 110
Benzo(b)fluoranthene	50.0000	0.0000	43.4881	87		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	41.3035	83		45 - 125
Benzo(a)pyrene	50.0000	0.0000	43.0268	86		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	43.1129	86		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	42.5279	85		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	41.8333	84		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78178

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

Lab File ID: S6B8751.D Lab Sample ID: MB-78178

Instrument ID: S6 Date Extracted: 07/22/2014

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 07/22/2014

Level: (LOW/MED) LOW Time Analyzed: 13:27

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-78178	LCS-78178	S6B8752.D	07/22/2014
02	GW-TP-05-071514	N1221-01A	S6B8760.D	07/22/2014
03	GW-TP-05-071514MS	N1221-01AMS	S6B8761.D	07/22/2014
04	GW-TP-05-071514MSD	N1221-01AMSD	S6B8762.D	07/22/2014
05	GW-FB-04-071514	N1221-02A	S6B8763.D	07/22/2014

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 07/10/2014 07/10/2014

EPA Sample No.(SSTD020##) SSTD0256N Date Analyzed: 07/22/2014

Lab File ID (Standard): S6B8747.D Time Analyzed: 10:56

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	328999		4.872		1279469		5.953		835491		7.411	
	UPPER LIMIT	657998		5.372		2558938		6.453		1670982		7.911	
	LOWER LIMIT	164500		4.372		639735		5.453		417746		6.911	
	EPA SAMPLE NO.												
01	MB-78178	296741		4.872		1087281		5.948		752516		7.411	
02	LCS-78178	326050		4.872		1177776		5.953		794507		7.411	
03	GW-TP-05-071514	256278		4.873		896931		5.948		621919		7.405	
04	GW-TP-05-071514MS	271937		4.873		917319		5.954		589239		7.411	
05	GW-TP-05-071514MSD	262835		4.872		947828		5.954		636181		7.411	
06	GW-FB-04-071514	259730		4.872		950635		5.948		648762		7.405	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1221 Mod. Ref No.: SDG No.: SN1221

EPA Sample No.(SSTD020##) SSTD0256N Date Analyzed: 07/22/2014

Lab File ID (Standard): S6B8747.D Time Analyzed: 10:56

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1671892		8.645		1420183		11.03		1258907		13.274	
	UPPER LIMIT	3343784		9.145		2840366		11.53		2517814		13.774	
	LOWER LIMIT	835946		8.145		710092		10.53		629454		12.774	
	EPA SAMPLE NO.												
01	MB-78178	1517957		8.639		1348651		10.989		1119526		13.216	
02	LCS-78178	1587334		8.645		1320140		11.001		1179878		13.227	
03	GW-TP-05-071514	1221758		8.639		1035892		10.983		887309		13.210	
04	GW-TP-05-071514MS	1141271		8.645		1127086		10.995		1046110		13.222	
05	GW-TP-05-071514MSD	1270664		8.645		1073980		10.995		927119		13.216	
06	GW-FB-04-071514	1324280		8.639		1137210		10.983		943477		13.210	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals/ Cyanide *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1221

SW846 6010C, SW846 9012B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test codes: SW846 6010C, SW846 9012B

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW9012B
Aqueous Samples were prepared following procedures in laboratory test code: SW3005A

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: LACHAT1
Instrument Type: WC
Description: Flow Injection Analyzer
Manufacturer: Zellweger Analytics
Model: Quik-Chem 8000

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on samples: GW-TP-05-071514 (N1221-01CMS) and GW-TP-05-071514 (N1221-01DMS).

Percent recoveries were within the QC limits.

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

Duplicate analyses were performed on samples: GW-TP-05-071514 (N1221-01CDUP) and GW-TP-05-071514 (N1221-01DDUP).

Relative percent differences were within the QC limits.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on sample: GW-TP-05-071514 (N1221-01DSD).

Percent differences were within the QC limits.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/25/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GW-FB-04-071514

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1221

Matrix (soil/water): WATER Lab Sample ID: N1221-02

Level (low/med): MED Date Received: 07/16/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	2.1	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	110	U		P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	76.0	U		P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	314	B		P
7440-28-0	Thallium	7.7	B		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	5.9	B		P
57-12-5	Cyanide	7.5	U		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GW-TP-05-071514

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1221

Matrix (soil/water): WATER Lab Sample ID: N1221-01

Level (low/med): MED Date Received: 07/16/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	43.8	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	91100			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	3200			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	45500			P
7439-96-5	Manganese	1000			P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	48200			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	23400			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	5.7	B		P
57-12-5	Cyanide	26.7			CA

Comments:

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1221

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78099

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	8958.81	98.4						
Antimony	455.0	462.79	101.7						
Arsenic	455.0	469.76	103.2						
Barium	9100.0	9169.58	100.8						
Beryllium	227.0	226.66	99.9						
Cadmium	227.0	231.33	101.9						
Calcium	22700.0	21485.73	94.7						
Chromium	910.0	900.88	99.0						
Cobalt	2270.0	2234.96	98.5						
Copper	1130.0	1136.18	100.5						
Iron	4550.0	4665.79	102.5						
Lead	455.0	459.11	100.9						
Magnesium	22700.0	22892.87	100.8						
Manganese	2270.0	2287.49	100.8						
Nickel	2270.0	2236.50	98.5						
Potassium	22700.0	23383.57	103.0						
Selenium	455.0	467.13	102.7						
Silver	1130.0	1133.49	100.3						
Sodium	22700.0	23815.42	104.9						
Thallium	455.0	426.13	93.7						
Vanadium	2270.0	2259.83	99.6						
Zinc	2270.0	2253.17	99.3						

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1221

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78174

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide	100.0	98.91	98.9						

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

GW-TP-05-071514S

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1221

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	139		26.7		100	113		CA

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

GW-TP-05-071514S

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1221

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	9240		66.0	U	9100	102		P
Antimony	75-125	481		9.3	U	456	106		P
Arsenic	75-125	501		4.3	U	456	110		P
Barium	75-125	9360		43.8	B	9100	102		P
Beryllium	75-125	232		0.26	U	227	102		P
Cadmium	75-125	229		0.89	U	227	101		P
Chromium	75-125	921		0.64	U	910	101		P
Cobalt	75-125	2230		0.67	U	2270	98		P
Copper	75-125	1130		3.6	U	1130	100		P
Iron	75-125	7950		3200		4550	104		P
Lead	75-125	465		4.2	U	455	102		P
Manganese	75-125	3330		1000		2270	103		P
Nickel	75-125	2220		0.85	U	2270	98		P
Selenium	75-125	462		12.0	U	455	101		P
Silver	75-125	1150		6.9	U	1130	101		P
Thallium	75-125	439		6.2	U	455	97		P
Vanadium	75-125	2290		1.1	U	2270	101		P
Zinc	75-125	2250		5.7	B	2270	99		P

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

GW-TP-05-071514D

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1221

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		66.0000	U	66.0000	U			P
Antimony		9.3000	U	9.3000	U			P
Arsenic		4.3000	U	4.3000	U			P
Barium		43.8303	B	39.3586	B	10.8		P
Beryllium		0.2600	U	0.2600	U			P
Cadmium		0.8900	U	0.8900	U			P
Calcium		91072.9000		86611.3992		5		P
Chromium		0.6400	U	0.6400	U			P
Cobalt		0.6700	U	0.6700	U			P
Copper		3.6000	U	3.6000	U			P
Iron		3195.7113		3004.7768		6.2		P
Lead		4.2000	U	4.2000	U			P
Magnesium		45531.2685		43220.6525		5.2		P
Manganese		1003.9562		947.9533		5.7		P
Nickel		0.8500	U	0.8500	U			P
Potassium		48173.7629		44818.2800		7.2		P
Selenium		12.0000	U	12.0000	U			P
Silver		6.9000	U	6.9000	U			P
Sodium		23379.6370		21386.6684		8.9		P
Thallium		6.2000	U	9.9012	B	200		P
Vanadium		1.1000	U	1.1000	U			P
Zinc		5.6508	B	4.9000	U	200		P

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

GW-TP-05-071514D

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1221

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cyanide	20.0	26.6870		27.1800		1.8		CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1221

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78174**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

LACHAT1_140723A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/23/14 13:05	C	07/23/14 13:35	C	07/23/14 14:03	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	7.500	U	CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1221

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140723A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/23/14 14:31	C	07/23/14 14:58	C		C		C	M
Cyanide			7.5	U	7.5	U					CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1221

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140723C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	07/23/14 17:07	C	07/23/14 17:17	C		C		C	M
Cyanide	-9.2	B	-7.7	B	-8.2	B					CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: NEEDS PO

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1221

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78099**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_140717C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 07/17/14 14:33	C	07/17/14 15:02	C	07/17/14 15:39	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	66.000	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	9.300	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	4.300	U	P
Barium	1.3	B	1.1	U	1.7	B	1.1	U	1.100	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.260	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	110.000	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.670	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	31.000	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.850	U	P
Potassium	76.0	U	76.0	U	76.0	U	289.6	B	76.000	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P
Sodium	35.0	B	29.0	U	29.0	U	41.8	B	29.000	U	P
Thallium	6.2	U	6.2	U	7.8	B	6.2	U	6.200	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	5.238	B	P

* Wet Chemistry *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1221

SM 3500 Cr+, B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

Samples were received past the 24 hour (from collection) method-specified holding time:

GW-TP-05-071514 (N1221-01B) exceed by 1 Day
GW-TP-05-071514 (N1221-01BDUP) exceed by 1 Day
GW-TP-05-071514 (N1221-01BMS) exceed by 1 Day
GW-FB-04-071514 (N1221-02B) exceed by 1 Day

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 3500 Cr+, B

IV. PREPARATION

Samples were prepared following procedures in laboratory test code: SM 3500 Cr+, B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: SPEC2
Instrument Type: SP
Description: Spectronic 20 Genesys
Manufacturer: Spectronic Instruments
Model: 4004-000

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on sample: GW-TP-05-071514 (N1221-01BMS).

Percent recoveries were within the QC limits.

D. Duplicate sample:

Duplicate analyses were performed on sample: GW-TP-05-071514 (N1221-01BDUP).

Relative percent differences were within the QC limits.

E. Dilutions:

No sample required dilution in this SDG.

F. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 07/21/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Client: CDM-Smith, Inc.
Client Sample ID: GW-TP-05-071514 **Project:** Buffalo Lakeside
Lab ID: N1221-01 **Collection Date:** 07/15/14 8:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/16/2014 11:19	78097

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: GW-FB-04-071514
Lab ID: N1221-02
Project: Buffalo Lakeside
Collection Date: 07/15/14 9:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	07/16/2014 11:27	78097

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

N1221

CLIENT: CDM-Smith, Inc.
Work Order: N1221
Project: Buffalo Lakeside

ANALYTICAL QC SUMMARY REPORT

SM3500_CR+

SM 3500D -- CR VI by Colorimetric Method

Sample ID: **MB-78097**	SampType: **MBLK**	TestCode: **SM3500_CR+**			Prep Date: **07/16/14 11:05**			Run ID: **SPEC2_140716A**				
Client ID: **MB-78097**	Batch ID: **78097**	Units: **mg/L**			Analysis Date: **07/16/14 11:05**			SeqNo: **2120568**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.030	0.030									

Sample ID: **LCS-78097**	SampType: **LCS**	TestCode: **SM3500_CR+**			Prep Date: **07/16/14 11:05**			Run ID: **SPEC2_140716A**				
Client ID: **LCS-78097**	Batch ID: **78097**	Units: **mg/L**			Analysis Date: **07/16/14 11:08**			SeqNo: **2120569**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.3930	0.030	0.030	0.4000	0	98.3	80	120	0			

Sample ID: **N1221-01BDUP**	SampType: **DUP**	TestCode: **SM3500_CR+**			Prep Date: **07/16/14 11:05**			Run ID: **SPEC2_140716A**				
Client ID: **GW-TP-05-071514**	Batch ID: **78097**	Units: **mg/L**			Analysis Date: **07/16/14 11:21**			SeqNo: **2120574**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.030	0.030	0	0	0	0	0	0	0	20	

Sample ID: **N1221-01BMS**	SampType: **MS**	TestCode: **SM3500_CR+**			Prep Date: **07/16/14 11:05**			Run ID: **SPEC2_140716A**				
Client ID: **GW-TP-05-071514**	Batch ID: **78097**	Units: **mg/L**			Analysis Date: **07/16/14 11:24**			SeqNo: **2120575**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.3790	0.030	0.030	0.4000	0	94.8	75	125	0			

Qualifiers:
ND - Not Detected at the MDL
J - Analyte detected below quanititation limits
S - Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
MDL - Method Detection Limit
RL - Reporting Limit
B - Analyte detected in the associated Method Blank

Report Date:
09-Sep-14 09:07

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: N1532
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
N1532-01	WG-TP-08-082514	Aqueous	25-Aug-14 15:10	26-Aug-14 09:00
N1532-02	WG-TP-DUP1-082514	Aqueous	25-Aug-14 15:10	26-Aug-14 09:00
N1532-03	WG-TP-FB01-082514	Aqueous	25-Aug-14 14:15	26-Aug-14 09:00
N1532-04	WG-TP-02-082514	Aqueous	25-Aug-14 16:15	26-Aug-14 09:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
DoD ELAP
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1532

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
WG-TP-08-082514	N1532-01		SW8270_W		SW6010_W	SEE DATA
WG-TP-DUP1-082514	N1532-02		SW8270_W		SW6010_W	SEE DATA
WG-TP-FB01-082514	N1532-03		SW8270_W		SW6010_W	SEE DATA
WG-TP-02-082514	N1532-04		SW8270_W		SW6010_W	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1532

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_W					
N1532-01A	AQ	8/25/2014	8/26/2014	8/28/2014	8/28/2014
N1532-02A	AQ	8/25/2014	8/26/2014	8/28/2014	8/28/2014
N1532-03A	AQ	8/25/2014	8/26/2014	8/28/2014	8/28/2014
N1532-04A	AQ	8/25/2014	8/26/2014	8/28/2014	8/28/2014
N1532-04AMS	AQ	8/25/2014	8/26/2014	8/28/2014	8/28/2014
N1532-04AMSD	AQ	8/25/2014	8/26/2014	8/28/2014	8/28/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1532

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_W					
N1532-01A	AQ	SW8270_W	3550C	N/A	1
N1532-02A	AQ	SW8270_W	3550C	N/A	1
N1532-03A	AQ	SW8270_W	3550C	N/A	1
N1532-04A	AQ	SW8270_W	3550C	N/A	1
N1532-04AMS	AQ	SW8270_W	3550C	N/A	1
N1532-04AMSD	AQ	SW8270_W	3550C	N/A	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** N1532

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
N1532-01D	AQ	SW6010_W	8/26/2014	8/28/2014
N1532-02D	AQ	SW6010_W	8/26/2014	8/28/2014
N1532-03D	AQ	SW6010_W	8/26/2014	8/28/2014
N1532-04D	AQ	SW6010_W	8/26/2014	8/28/2014
N1532-04DDUP	AQ	SW6010_W	8/26/2014	8/28/2014
N1532-04DMS	AQ	SW6010_W	8/26/2014	8/28/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1532

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: STORAGE LOCATION CHANGED TO D1

Case:
SDG:
PO: 0897-91667

HC Due: 09/05/14
Fax Due: 09/02/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1532-01A	WG-TP-08-082514	08/25/2014 15:10	08/26/2014	Aqueous	SW8270_W	/				Y	D1
N1532-01B	WG-TP-08-082514	08/25/2014 15:10	08/26/2014	Aqueous	SM3500_CR+	/					D1
N1532-01C	WG-TP-08-082514	08/25/2014 15:10	08/26/2014	Aqueous	SW9012_W	/					D1
N1532-01D	WG-TP-08-082514	08/25/2014 15:10	08/26/2014	Aqueous	SW6010_W	/					M2
N1532-02A	WG-TP-DUP1-082514	08/25/2014 15:10	08/26/2014	Aqueous	SW8270_W	/				Y	D1
N1532-02B	WG-TP-DUP1-082514	08/25/2014 15:10	08/26/2014	Aqueous	SM3500_CR+	/					D1
N1532-02C	WG-TP-DUP1-082514	08/25/2014 15:10	08/26/2014	Aqueous	SW9012_W	/					D1
N1532-02D	WG-TP-DUP1-082514	08/25/2014 15:10	08/26/2014	Aqueous	SW6010_W	/					M2
N1532-03A	WG-TP-FB01-082514	08/25/2014 14:15	08/26/2014	Aqueous	SW8270_W	/				Y	D1
N1532-03B	WG-TP-FB01-082514	08/25/2014 14:15	08/26/2014	Aqueous	SM3500_CR+	/					D1
N1532-03C	WG-TP-FB01-082514	08/25/2014 14:15	08/26/2014	Aqueous	SW9012_W	/					D1
N1532-03D	WG-TP-FB01-082514	08/25/2014 14:15	08/26/2014	Aqueous	SW6010_W	/					M2
N1532-04A	WG-TP-02-082514	08/25/2014 16:15	08/26/2014	Aqueous	SW8270_W	/			Y	Y	D1
N1532-04B	WG-TP-02-082514	08/25/2014 16:15	08/26/2014	Aqueous	SM3500_CR+	/			Y		D1
N1532-04C	WG-TP-02-082514	08/25/2014 16:15	08/26/2014	Aqueous	SW9012_W	/			Y		D1
N1532-04D	WG-TP-02-082514	08/25/2014 16:15	08/26/2014	Aqueous	SW6010_W	/			Y		M2

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

08/29/2014 09:47

Lab Client Rep: Agnes R Huntley

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1532

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S6
Instrument Type: GCMS-Semi

Description: HP7890A
Manufacturer: Agilent
Model: 7890A/5973

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

WG-TP-FB01-082514 (N1532-03A), recovery is below criteria for 2-Fluorophenol at 17% with criteria of (20-110).

WG-TP-02-082514 (N1532-04A), recovery is below criteria for Terphenyl-d14 at 46% with criteria of (50-135).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits with the following exceptions. Please note that most test procedures allow for several compounds outside of the QC limits for the LCS, although this may indicate a bias for this specific compound.

LCS-78749 in batch 78749, recovery is below criteria for 2-Methylphenol at 40% with criteria of (40-110).

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on samples: WG-TP-02-082514 (N1532-04AMS) and WG-TP-02-082514 (N1532-04AMSD).

Percent recoveries were within the QC limits with the following exceptions:

WG-TP-02-082514 (N1532-04AMS), recovery is above criteria for Pentachlorophenol at 123% with criteria of (40-115).

WG-TP-02-082514 (N1532-04AMSD), recovery is above criteria for Pentachlorophenol at 121% with criteria of (40-115).

Replicate RPDs were within the advisory QC limits.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

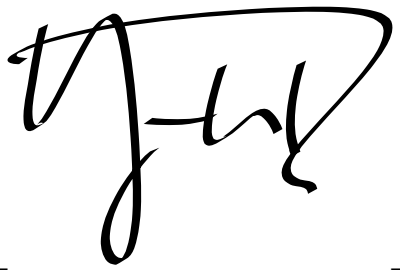
· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

Manual integrations were performed on the following:

SSTD0256U 1,4-Dioxane due to M6

I certify that this data package is in compliance with the terms and

conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____9/8/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-08-082514

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1532-01A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9231.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/26/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/28/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	1.4	J
91-20-3	Naphthalene	9.1	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	1.3	J
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	8.4	J
85-01-8	Phenanthrene	1.2	J
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-DUP1-08251 4

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1532-02A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9232.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/26/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/28/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	7.1	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	5.8	J
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-FB01-082514

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1532-03A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9233.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/26/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/28/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-02-082514

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1532-04A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9234.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/26/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/28/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78749

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-78749

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9229.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/28/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78749

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-78749

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9230.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/28/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	8.8	J
95-48-7	2-Methylphenol	20	
106-44-5	4-Methylphenol	17	
91-20-3	Naphthalene	34	
208-96-8	Acenaphthylene	38	
83-32-9	Acenaphthene	37	
86-73-7	Fluorene	40	
87-86-5	Pentachlorophenol	42	
85-01-8	Phenanthrene	41	
120-12-7	Anthracene	40	
206-44-0	Fluoranthene	43	
129-00-0	Pyrene	36	
56-55-3	Benzo(a)anthracene	38	
218-01-9	Chrysene	39	
205-99-2	Benzo(b)fluoranthene	39	
207-08-9	Benzo(k)fluoranthene	37	
50-32-8	Benzo(a)pyrene	38	
193-39-5	Indeno(1,2,3-cd)pyrene	42	
53-70-3	Dibenzo(a,h)anthracene	41	
191-24-2	Benzo(g,h,i)perylene	41	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-02-082514MS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1532-04AMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9235.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/26/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/28/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9.7	J
95-48-7	2-Methylphenol	24	
106-44-5	4-Methylphenol	20	
91-20-3	Naphthalene	46	
208-96-8	Acenaphthylene	50	
83-32-9	Acenaphthene	49	
86-73-7	Fluorene	51	
87-86-5	Pentachlorophenol	61	
85-01-8	Phenanthrene	53	
120-12-7	Anthracene	51	
206-44-0	Fluoranthene	51	
129-00-0	Pyrene	47	
56-55-3	Benzo(a)anthracene	46	
218-01-9	Chrysene	47	
205-99-2	Benzo(b)fluoranthene	49	
207-08-9	Benzo(k)fluoranthene	46	
50-32-8	Benzo(a)pyrene	46	
193-39-5	Indeno(1,2,3-cd)pyrene	46	
53-70-3	Dibenzo(a,h)anthracene	44	
191-24-2	Benzo(g,h,i)perylene	44	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-02-082514M SD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1532-04AMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9250.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/26/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/28/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	
95-48-7	2-Methylphenol	26	
106-44-5	4-Methylphenol	22	
91-20-3	Naphthalene	46	
208-96-8	Acenaphthylene	50	
83-32-9	Acenaphthene	50	
86-73-7	Fluorene	51	
87-86-5	Pentachlorophenol	60	
85-01-8	Phenanthrene	55	
120-12-7	Anthracene	53	
206-44-0	Fluoranthene	54	
129-00-0	Pyrene	46	
56-55-3	Benzo(a)anthracene	48	
218-01-9	Chrysene	47	
205-99-2	Benzo(b)fluoranthene	50	
207-08-9	Benzo(k)fluoranthene	48	
50-32-8	Benzo(a)pyrene	47	
193-39-5	Indeno(1,2,3-cd)pyrene	47	
53-70-3	Dibenzo(a,h)anthracene	45	
191-24-2	Benzo(g,h,i)perylene	43	

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78749	78	74	73	14	25	79			0
02	LCS-78749	73	74	63	14	24	75			0
03	WG-TP-08-082514	94	95	66	18	28	97			0
04	WG-TP-DUP1-082514	96	97	83	19	31	94			0
05	WG-TP-FB01-082514	102	100	101	11	17 *	81			1
06	WG-TP-02-082514	97	93	46 *	18	28	91			1
07	WG-TP-02-082514MS	95	96	53	16	26	94			0
08	WG-TP-02-082514MSD	94	95	51	16	26	96			0

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(40-110)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH)	= Terphenyl-d14	(50-135)
SDMC4	(PHL)	= Phenol-d5	(10-115)
SDMC5	(2FP)	= 2-Fluorophenol	(20-110)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

Matrix Spike - EPA Sample No.: WG-TP-02-082514

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	9.7470	19		0-115
2-Methylphenol	50.0000	0.0000	23.9780	48		40-110
4-Methylphenol	50.0000	0.0000	20.3027	41		30-110
Naphthalene	50.0000	0.0000	46.2785	93		40-100
Acenaphthylene	50.0000	0.0000	50.1442	100		50-105
Acenaphthene	50.0000	0.0000	48.7842	98		45-110
Fluorene	50.0000	0.0000	51.2807	103		50-110
Pentachlorophenol	50.0000	0.0000	61.2891	123	*	40-115
Phenanthrene	50.0000	0.0000	52.6669	105		50-115
Anthracene	50.0000	0.0000	51.2229	102		55-110
Fluoranthene	50.0000	0.0000	51.2685	103		55-115
Pyrene	50.0000	0.0000	46.8113	94		50-130
Benzo(a)anthracene	50.0000	0.0000	46.1972	92		55-110
Chrysene	50.0000	0.0000	46.7019	93		55-110
Benzo(b)fluoranthene	50.0000	0.0000	48.7490	97		45-120
Benzo(k)fluoranthene	50.0000	0.0000	46.4988	93		45-125
Benzo(a)pyrene	50.0000	0.0000	46.0146	92		55-110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	45.5872	91		45-125
Dibenzo(a,h)anthracene	50.0000	0.0000	43.9251	88		40-125
Benzo(g,h,i)perylene	50.0000	0.0000	43.9135	88		40-125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0000	10.5309	21		8		0-40	0-115
2-Methylphenol	50.0000	25.5757	51		6		0-40	40-110
4-Methylphenol	50.0000	22.1532	44		9		0-40	30-110
Naphthalene	50.0000	45.5135	91		2		0-40	40-100
Acenaphthylene	50.0000	49.9231	100		0		0-40	50-105
Acenaphthene	50.0000	49.7046	99		2		0-40	45-110
Fluorene	50.0000	51.0542	102		0		0-40	50-110
Pentachlorophenol	50.0000	60.2958	121	*	2		0-40	40-115
Phenanthrene	50.0000	54.8100	110		4		0-40	50-115
Anthracene	50.0000	52.6641	105		3		0-40	55-110
Fluoranthene	50.0000	53.6701	107		5		0-40	55-115
Pyrene	50.0000	45.9749	92		2		0-40	50-130
Benzo(a)anthracene	50.0000	47.9655	96		4		0-40	55-110
Chrysene	50.0000	47.2641	95		1		0-40	55-110
Benzo(b)fluoranthene	50.0000	49.5739	99		2		0-40	45-120
Benzo(k)fluoranthene	50.0000	47.7172	95		3		0-40	45-125
Benzo(a)pyrene	50.0000	47.0567	94		2		0-40	55-110
Indeno(1,2,3-cd)pyrene	50.0000	47.2847	95		4		0-40	45-125
Dibenzo(a,h)anthracene	50.0000	44.8248	90		2		0-40	40-125
Benzo(g,h,i)perylene	50.0000	43.1677	86		2		0-40	40-125

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

Matrix Spike - EPA Sample No.: WG-TP-02-082514

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 2 out of 40 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78749

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

Lab Sample ID: LCS-78749 LCS Lot No.:

Date Extracted: 08/28/2014 Date Analyzed (1): 08/28/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	8.8376	18		0 - 115
2-Methylphenol	50.0000	0.0000	19.8395	40	*	40 - 110
4-Methylphenol	50.0000	0.0000	16.9026	34		30 - 110
Naphthalene	50.0000	0.0000	34.0509	68		40 - 100
Acenaphthylene	50.0000	0.0000	38.1664	76		50 - 105
Acenaphthene	50.0000	0.0000	37.2561	75		45 - 110
Fluorene	50.0000	0.0000	39.8207	80		50 - 110
Pentachlorophenol	50.0000	0.0000	42.1499	84		40 - 115
Phenanthrene	50.0000	0.0000	41.2048	82		50 - 115
Anthracene	50.0000	0.0000	40.1113	80		55 - 110
Fluoranthene	50.0000	0.0000	42.5163	85		55 - 115
Pyrene	50.0000	0.0000	36.3377	73		50 - 130
Benzo(a)anthracene	50.0000	0.0000	37.6702	75		55 - 110
Chrysene	50.0000	0.0000	38.7808	78		55 - 110
Benzo(b)fluoranthene	50.0000	0.0000	38.7342	77		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	37.2550	75		45 - 125
Benzo(a)pyrene	50.0000	0.0000	37.9831	76		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	42.2451	84		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	41.2338	82		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	41.4851	83		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 20 outside limits

COMMENTS:

4C - FORM IV SV
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
MB-78749

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

Lab File ID: S6B9229.D Lab Sample ID: MB-78749

Instrument ID: S6 Date Extracted: 08/28/2014

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 08/28/2014

Level: (LOW/MED) LOW Time Analyzed: 14:55

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-78749	LCS-78749	S6B9230.D	08/28/2014
02	WG-TP-08-082514	N1532-01A	S6B9231.D	08/28/2014
03	WG-TP-DUP1-082514	N1532-02A	S6B9232.D	08/28/2014
04	WG-TP-FB01-082514	N1532-03A	S6B9233.D	08/28/2014
05	WG-TP-02-082514	N1532-04A	S6B9234.D	08/28/2014
06	WG-TP-02-082514MS	N1532-04AMS	S6B9235.D	08/28/2014
07	WG-TP-02-082514MSD	N1532-04AMSD	S6B9250.D	08/28/2014

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 08/06/2014 08/06/2014

EPA Sample No.(SSTD020##) SSTD0256T Date Analyzed: 08/28/2014

Lab File ID (Standard): S6B9228.D Time Analyzed: 14:12

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	245211		4.361		908454		5.442		630192		6.899	
	UPPER LIMIT	490422		4.861		1816908		5.942		1260384		7.399	
	LOWER LIMIT	122606		3.861		454227		4.942		315096		6.399	
	EPA SAMPLE NO.												
01	MB-78749	199056		4.361		722881		5.442		516043		6.893	
02	LCS-78749	223214		4.361		822447		5.442		583469		6.899	
03	WG-TP-08-082514	175226		4.361		641415		5.442		447275		6.893	
04	WG-TP-DUP1-082514	191127		4.367		699450		5.442		486257		6.893	
05	WG-TP-FB01-082514	196117		4.367		708801		5.442		496390		6.893	
06	WG-TP-02-082514	209235		4.367		774379		5.442		541472		6.893	
07	WG-TP-02-082514MS	204947		4.367		756281		5.442		529021		6.899	
08	WG-TP-02-082514MSD	207681		4.367		795342		5.448		569885		6.899	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1532 Mod. Ref No.: SDG No.: SN1532

EPA Sample No.(SSTD020##) SSTD0256T Date Analyzed: 08/28/2014

Lab File ID (Standard): S6B9228.D Time Analyzed: 14:12

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1324982		8.121		1417101		10.354		1229996		12.093	
	UPPER LIMIT	2649964		8.621		2834202		10.854		2459992		12.593	
	LOWER LIMIT	662491		7.621		708551		9.854		614998		11.593	
	EPA SAMPLE NO.												
01	MB-78749	1094199		8.115		1312086		10.383		1234588		12.122	
02	LCS-78749	1251931		8.121		1563013		10.336		1448979		12.069	
03	WG-TP-08-082514	940022		8.115		1145134		10.336		1049932		12.070	
04	WG-TP-DUP1-082514	1041099		8.115		1214766		10.330		1076638		12.064	
05	WG-TP-FB01-082514	1027355		8.115		1122725		10.330		981142		12.058	
06	WG-TP-02-082514	1121163		8.115		1275243		10.330		1092400		12.058	
07	WG-TP-02-082514MS	1111181		8.121		1302200		10.336		1100577		12.064	
08	WG-TP-02-082514MSD	1178137		8.121		1458833		10.342		1287059		12.076	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1532

SW846 6010C, SW846 9012B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test codes: SW846 6010C, SW846 9012B

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW9012B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: LACHAT1
Instrument Type: WC
Description: Flow Injection Analyzer
Manufacturer: Zellweger Analytics
Model: Quik-Chem 8000

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on samples: WG-TP-02-082514 (N1532-04CMS) and WG-TP-02-082514 (N1532-04DMS).

Percent recoveries were within the QC limits.

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

Duplicate analyses were performed on samples: WG-TP-02-082514 (N1532-04CDUP) and WG-TP-02-082514 (N1532-04DDUP).

Relative percent differences were within the QC limits.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on sample: WG-TP-02-082514 (N1532-04DSD).

Percent differences were within the QC limits.

G. Samples:

Two cyanide samples required significant dilution of 100X.
No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 09/05/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-02-082514

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Matrix (soil/water): WATER Lab Sample ID: N1532-04

Level (low/med): MED Date Received: 08/26/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	70.0	B		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	236			P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	150000			P
7440-47-3	Chromium	1.1	B		P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	4720			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	49500			P
7439-96-5	Manganese	1310			P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	490000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	224000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	34.7			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-08-082514

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Matrix (soil/water): WATER Lab Sample ID: N1532-01

Level (low/med): MED Date Received: 08/26/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1190			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	10.4	B		P
7440-39-3	Barium	50.2	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	119000			P
7440-47-3	Chromium	0.65	B		P
7440-48-4	Cobalt	2.4	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	2550			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	7.8	B		P
7440-09-7	Potassium	336000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	63300			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	2.2	B		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	2720			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-DUP1-082514

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Matrix (soil/water): WATER Lab Sample ID: N1532-02

Level (low/med): MED Date Received: 08/26/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1200			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	11.2	B		P
7440-39-3	Barium	50.1	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	121000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	2.2	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	2560			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	7.4	B		P
7440-09-7	Potassium	340000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	65100			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.9	B		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	3230			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-FB01-082514

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Matrix (soil/water): WATER Lab Sample ID: N1532-03

Level (low/med): MED Date Received: 08/26/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	1.1	U		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	110	U		P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	207	B		P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	185	B		P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	7.5	U		CA

Comments:

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78735

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	10015.40	110.1						
Antimony	455.0	491.14	107.9						
Arsenic	455.0	501.79	110.3						
Barium	9100.0	9923.70	109.1						
Beryllium	227.0	250.68	110.4						
Cadmium	227.0	253.30	111.6						
Calcium	22700.0	24215.90	106.7						
Chromium	910.0	1013.33	111.4						
Cobalt	2270.0	2521.91	111.1						
Copper	1130.0	1254.01	111.0						
Iron	4550.0	5264.87	115.7						
Lead	455.0	495.38	108.9						
Magnesium	22700.0	25237.79	111.2						
Manganese	2270.0	2528.66	111.4						
Nickel	2270.0	2514.73	110.8						
Potassium	22700.0	24962.24	110.0						
Selenium	455.0	495.11	108.8						
Silver	1130.0	1211.60	107.2						
Sodium	22700.0	25543.13	112.5						
Thallium	455.0	456.97	100.4						
Vanadium	2270.0	2504.25	110.3						
Zinc	2270.0	2529.38	111.4						

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78766

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide	100.0	97.85	97.9						

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

WG-TP-02-082514S

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	132		34.7		100	97		CA

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

WG-TP-02-082514S

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	10800		70.0	B	9100	118		P
Antimony	75-125	502		9.3	U	456	110		P
Arsenic	75-125	521		4.3	U	456	114		P
Barium	75-125	9840		236		9100	106		P
Beryllium	75-125	247		0.26	U	227	109		P
Cadmium	75-125	240		0.89	U	227	106		P
Chromium	75-125	1000		1.1	B	910	110		P
Cobalt	75-125	2490		1.5	B	2270	110		P
Copper	75-125	1310		3.6	U	1130	116		P
Iron	75-125	9960		4720		4550	115		P
Lead	75-125	478		4.2	U	455	105		P
Manganese	75-125	3780		1310		2270	109		P
Nickel	75-125	2460		0.85	U	2270	109		P
Selenium	75-125	485		12.0	U	455	107		P
Silver	75-125	1200		6.9	U	1130	106		P
Thallium	75-125	433		6.2	U	455	95		P
Vanadium	75-125	2490		1.6	B	2270	110		P
Zinc	75-125	2480		4.9	U	2270	109		P

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

WG-TP-02-082514D

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		69.9540	B	76.4941	B	8.9		P
Antimony		9.3000	U	9.3000	U			P
Arsenic		4.3000	U	4.3000	U			P
Barium	200.0	236.2638		234.2029		0.9		P
Beryllium		0.2600	U	0.2600	U			P
Cadmium		0.8900	U	0.8900	U			P
Calcium		149567.8979		148486.6037		0.7		P
Chromium		1.0738	B	1.0965	B	2.1		P
Cobalt		1.4804	B	1.5352	B	3.6		P
Copper		3.6000	U	3.6000	U			P
Iron		4723.0122		4666.6634		1.2		P
Lead		4.2000	U	4.2000	U			P
Magnesium		49536.7725		49032.3109		1		P
Manganese		1307.7743		1296.0582		0.9		P
Nickel		0.8500	U	0.8500	U			P
Potassium		490230.7500		487733.9345		0.5		P
Selenium		12.0000	U	12.1001	B	200		P
Silver		6.9000	U	6.9000	U			P
Sodium		223636.9640		219682.6902		1.8		P
Thallium		6.2000	U	6.2000	U			P
Vanadium		1.6261	B	1.6249	B	0.1		P
Zinc		4.9000	U	4.9000	U			P

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

WG-TP-02-082514D

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cyanide	20.0	34.7165		35.0010		0.8		CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78766**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

LACHAT1_140829A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	08/29/14 10:50	C	08/29/14 11:17	C		C		C	M
Cyanide	7.5	U	7.5	U	7.5	U			7.500	U	CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140903A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	09/03/14 12:28	C	09/03/14 12:51	C		C		C	M
Cyanide	7.5	U	7.5	U	7.5	U					CA

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1532

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78735**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_140828B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 08/28/14 16:47	C	08/28/14 17:27	C		C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U			66.000	U	P
Antimony	9.3	U	9.3	U	9.3	U			9.300	U	P
Arsenic	4.3	U	4.3	U	4.3	U			4.300	U	P
Barium	2.2	B	1.8	B	2.8	B			1.100	U	P
Beryllium	0.3	U	0.3	U	0.3	U			0.260	U	P
Cadmium	0.9	U	0.9	U	0.9	U			0.890	U	P
Calcium	110.0	U	110.0	U	110.0	U			110.000	U	P
Chromium	0.6	U	0.6	U	0.6	U			0.640	U	P
Cobalt	0.7	U	0.7	U	0.8	B			0.670	U	P
Copper	3.6	U	3.6	U	3.6	U			3.600	U	P
Iron	31.0	U	31.0	U	31.0	U			31.000	U	P
Lead	4.2	U	4.2	U	4.2	U			4.200	U	P
Magnesium	76.0	U	76.0	U	76.0	U			76.000	U	P
Manganese	10.0	U	10.0	U	10.0	U			10.000	U	P
Nickel	0.9	U	0.8	U	0.8	U			0.850	U	P
Potassium	-258.7	B	-413.5	B	611.0	B			76.000	U	P
Selenium	12.0	U	12.0	U	12.0	U			12.000	U	P
Silver	6.9	U	6.9	U	6.9	U			6.900	U	P
Sodium	-37.4	B	-49.7	B	89.8	B			29.000	U	P
Thallium	6.2	U	6.2	U	6.2	U			6.200	U	P
Vanadium	1.1	U	1.1	U	1.1	U			1.100	U	P
Zinc	4.9	U	4.9	U	4.9	U			4.900	U	P

* Wet Chemistry *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1532

SM 3500D

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 3500D

IV. PREPARATION

Samples were prepared following procedures in laboratory test code: SM 3500D

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: SPEC2
Instrument Type: SP

Description: Spectronic 20 Genesys
Manufacturer: Spectronic Instruments
Model: 4004-000

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on sample: WG-TP-02-082514 (N1532-04BMS).

Percent recoveries were within the QC limits with the following exceptions:

WG-TP-02-082514 (N1532-04BMS), recovery is below criteria for Chromium, Hexavalent at 50% with criteria of (75-125).

D. Duplicate sample:

Duplicate analyses were performed on sample: WG-TP-02-082514 (N1532-04BDUP).

Relative percent differences were within the QC limits.

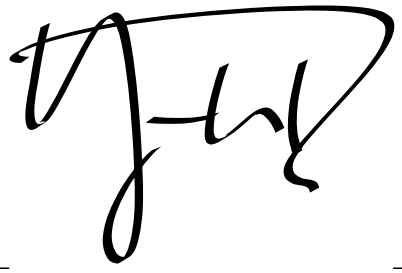
E. Dilutions:

No sample required dilution in this SDG.

F. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____9/8/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-08-082514
Lab ID: N1532-01
Project: Buffalo Lakeside
Collection Date: 08/25/14 15:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	0.037		0.030	mg/L	1	08/26/2014 11:07	78723

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-DUP1-082514
Lab ID: N1532-02
Project: Buffalo Lakeside
Collection Date: 08/25/14 15:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	0.041		0.030	mg/L	1	08/26/2014 11:10	78723

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-FB01-082514
Lab ID: N1532-03
Project: Buffalo Lakeside
Collection Date: 08/25/14 14:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	08/26/2014 11:13	78723

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-02-082514
Lab ID: N1532-04
Project: Buffalo Lakeside
Collection Date: 08/25/14 16:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	08/26/2014 11:16	78723

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

N1532

CLIENT: CDM-Smith, Inc.
Work Order: N1532
Project: Buffalo Lakeside

ANALYTICAL QC SUMMARY REPORT

SM3500_CR+

SM 3500D -- CR VI by Colorimetric Method

Sample ID: **MB-78723**	SampType: **MBLK**	TestCode: **SM3500_CR+**			Prep Date: **08/26/14 11:00**			Run ID: **SPEC2_140826B**				
Client ID: **MB-78723**	Batch ID: **78723**	Units: **mg/L**			Analysis Date: **08/26/14 11:01**			SeqNo: **2143658**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.030	0.030									

Sample ID: **LCS-78723**	SampType: **LCS**	TestCode: **SM3500_CR+**			Prep Date: **08/26/14 11:00**			Run ID: **SPEC2_140826B**				
Client ID: **LCS-78723**	Batch ID: **78723**	Units: **mg/L**			Analysis Date: **08/26/14 11:04**			SeqNo: **2143659**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.3860	0.030	0.030	0.4000	0	96.5	80	120	0			

Sample ID: **N1532-04BDUP**	SampType: **DUP**	TestCode: **SM3500_CR+**			Prep Date: **08/26/14 11:00**			Run ID: **SPEC2_140826B**				
Client ID: **WG-TP-02-082514**	Batch ID: **78723**	Units: **mg/L**			Analysis Date: **08/26/14 11:19**			SeqNo: **2143664**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.030	0.030	0	0	0	0	0	0	0	20	

Sample ID: **N1532-04BMS**	SampType: **MS**	TestCode: **SM3500_CR+**			Prep Date: **08/26/14 11:00**			Run ID: **SPEC2_140826B**				
Client ID: **WG-TP-02-082514**	Batch ID: **78723**	Units: **mg/L**			Analysis Date: **08/26/14 11:22**			SeqNo: **2143665**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.2020	0.030	0.030	0.4000	0	50.5	75	125	0			S

Qualifiers:
ND - Not Detected at the MDL
J - Analyte detected below quanititation limits
S - Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
MDL - Method Detection Limit
RL - Reporting Limit
B - Analyte detected in the associated Method Blank

m14.08.29.1001

Report Date:
09-Sep-14 09:30

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

- [x] Final Report
- [ ] Re-Issued Report
- [ ] Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: N1537
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
N1537-01	WG-TP-01-082614	Aqueous	26-Aug-14 10:15	27-Aug-14 10:27
N1537-02	WG-TP-11-082614	Aqueous	26-Aug-14 11:35	27-Aug-14 10:27
N1537-03	WG-TP-12-082614	Aqueous	26-Aug-14 14:28	27-Aug-14 10:27
N1537-04	WG-TP-03-082614	Aqueous	26-Aug-14 15:59	27-Aug-14 10:27
N1537-05	WG-TP-10-082614	Aqueous	26-Aug-14 10:25	27-Aug-14 10:27
N1537-06	WG-TP-09-082614	Aqueous	26-Aug-14 12:00	27-Aug-14 10:27
N1537-07	WG-TP-07-082614	Aqueous	26-Aug-14 14:25	27-Aug-14 10:27
N1537-08	WG-TP-04-082614	Aqueous	26-Aug-14 16:20	27-Aug-14 10:27

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
DoD ELAP
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1537

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
WG-TP-01-082614	N1537-01		SW8270_W		SW6010_W	SEE DATA
WG-TP-11-082614	N1537-02		SW8270_W		SW6010_W	SEE DATA
WG-TP-12-082614	N1537-03		SW8270_W		SW6010_W	SEE DATA
WG-TP-03-082614	N1537-04		SW8270_W		SW6010_W	SEE DATA
WG-TP-10-082614	N1537-05		SW8270_W		SW6010_W	SEE DATA
WG-TP-09-082614	N1537-06		SW8270_W		SW6010_W	SEE DATA
WG-TP-07-082614	N1537-07		SW8270_W		SW6010_W	SEE DATA
WG-TP-04-082614	N1537-08		SW8270_W		SW6010_W	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1537

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_W					
N1537-01A	AQ	8/26/2014	8/27/2014	8/28/2014	8/28/2014
N1537-02A	AQ	8/26/2014	8/27/2014	8/28/2014	8/28/2014
N1537-03A	AQ	8/26/2014	8/27/2014	8/28/2014	8/29/2014
N1537-04A	AQ	8/26/2014	8/27/2014	8/28/2014	8/29/2014
N1537-05A	AQ	8/26/2014	8/27/2014	8/28/2014	8/29/2014
N1537-06A	AQ	8/26/2014	8/27/2014	8/28/2014	8/29/2014
N1537-07A	AQ	8/26/2014	8/27/2014	8/28/2014	8/29/2014
N1537-08A	AQ	8/26/2014	8/27/2014	8/28/2014	8/29/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1537

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_W					
N1537-01A	AQ	SW8270_W	3550C	N/A	1
N1537-02A	AQ	SW8270_W	3550C	N/A	1
N1537-03A	AQ	SW8270_W	3550C	N/A	1
N1537-04A	AQ	SW8270_W	3550C	N/A	1
N1537-05A	AQ	SW8270_W	3550C	N/A	1
N1537-06A	AQ	SW8270_W	3550C	N/A	1
N1537-07A	AQ	SW8270_W	3550C	N/A	1
N1537-08A	AQ	SW8270_W	3550C	N/A	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** N1537

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
N1537-01B	AQ	SW6010_W	8/27/2014	8/28/2014
N1537-02B	AQ	SW6010_W	8/27/2014	8/28/2014
N1537-03B	AQ	SW6010_W	8/27/2014	8/28/2014
N1537-04B	AQ	SW6010_W	8/27/2014	8/28/2014
N1537-05B	AQ	SW6010_W	8/27/2014	8/29/2014
N1537-06B	AQ	SW6010_W	8/27/2014	8/29/2014
N1537-07B	AQ	SW6010_W	8/27/2014	8/28/2014
N1537-08B	AQ	SW6010_W	8/27/2014	8/28/2014

N1537

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1537

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: HEX CR ADDED TO SAMPLE -04

Case:
SDG:
PO: 0897-91667

HC Due: 09/08/14
Fax Due: 09/03/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1537-01A	WG-TP-01-082614	08/26/2014 10:15	08/27/2014	Aqueous	SW8270_W	/				Y	A1
N1537-01B	WG-TP-01-082614	08/26/2014 10:15	08/27/2014	Aqueous	SW6010_W	/					M3
N1537-01C	WG-TP-01-082614	08/26/2014 10:15	08/27/2014	Aqueous	SW9012_W	/					A1
N1537-01D	WG-TP-01-082614	08/26/2014 10:15	08/27/2014	Aqueous	SM3500_CR+	/					A1
N1537-02A	WG-TP-11-082614	08/26/2014 11:35	08/27/2014	Aqueous	SW8270_W	/				Y	A1
N1537-02B	WG-TP-11-082614	08/26/2014 11:35	08/27/2014	Aqueous	SW6010_W	/					M3
N1537-02C	WG-TP-11-082614	08/26/2014 11:35	08/27/2014	Aqueous	SW9012_W	/					A1
N1537-02D	WG-TP-11-082614	08/26/2014 11:35	08/27/2014	Aqueous	SM3500_CR+	/					A1
N1537-03A	WG-TP-12-082614	08/26/2014 14:28	08/27/2014	Aqueous	SW8270_W	/				Y	A1
N1537-03B	WG-TP-12-082614	08/26/2014 14:28	08/27/2014	Aqueous	SW6010_W	/					M3
N1537-03C	WG-TP-12-082614	08/26/2014 14:28	08/27/2014	Aqueous	SW9012_W	/					A1
N1537-03D	WG-TP-12-082614	08/26/2014 14:28	08/27/2014	Aqueous	SM3500_CR+	/					A1
N1537-04A	WG-TP-03-082614	08/26/2014 15:59	08/27/2014	Aqueous	SW8270_W	/ LIMITED VOL.; MEASURE BEFORE ANALYSIS				Y	A1
N1537-04B	WG-TP-03-082614	08/26/2014 15:59	08/27/2014	Aqueous	SW6010_W	/					M3
N1537-04C	WG-TP-03-082614	08/26/2014 15:59	08/27/2014	Aqueous	SW9012_W	/					A1
N1537-04D	WG-TP-03-082614	08/26/2014 15:59	08/27/2014	Aqueous	SM3500_CR+	/					A1
N1537-05A	WG-TP-10-082614	08/26/2014 10:25	08/27/2014	Aqueous	SW8270_W	/				Y	A1

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

08/29/2014 09:50 Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1537

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: HEX CR ADDED TO SAMPLE -04

Case:
SDG:
PO: 0897-91667

HC Due: 09/08/14
Fax Due: 09/03/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1537-05B	WG-TP-10-082614	08/26/2014 10:25	08/27/2014	Aqueous	SW6010_W	/					M3
N1537-05C	WG-TP-10-082614	08/26/2014 10:25	08/27/2014	Aqueous	SW9012_W	/					A1
N1537-05D	WG-TP-10-082614	08/26/2014 10:25	08/27/2014	Aqueous	SM3500_CR+	/					A1
N1537-06A	WG-TP-09-082614	08/26/2014 12:00	08/27/2014	Aqueous	SW8270_W	/				Y	A1
N1537-06B	WG-TP-09-082614	08/26/2014 12:00	08/27/2014	Aqueous	SW6010_W	/					M3
N1537-06C	WG-TP-09-082614	08/26/2014 12:00	08/27/2014	Aqueous	SW9012_W	/					A1
N1537-06D	WG-TP-09-082614	08/26/2014 12:00	08/27/2014	Aqueous	SM3500_CR+	/					A1
N1537-07A	WG-TP-07-082614	08/26/2014 14:25	08/27/2014	Aqueous	SW8270_W	/				Y	A1
N1537-07B	WG-TP-07-082614	08/26/2014 14:25	08/27/2014	Aqueous	SW6010_W	/					M3
N1537-07C	WG-TP-07-082614	08/26/2014 14:25	08/27/2014	Aqueous	SW9012_W	/					A1
N1537-07D	WG-TP-07-082614	08/26/2014 14:25	08/27/2014	Aqueous	SM3500_CR+	/					A1
N1537-08A	WG-TP-04-082614	08/26/2014 16:20	08/27/2014	Aqueous	SW8270_W	/				Y	A1
N1537-08B	WG-TP-04-082614	08/26/2014 16:20	08/27/2014	Aqueous	SW6010_W	/					M3
N1537-08C	WG-TP-04-082614	08/26/2014 16:20	08/27/2014	Aqueous	SW9012_W	/					A1
N1537-08D	WG-TP-04-082614	08/26/2014 16:20	08/27/2014	Aqueous	SM3500_CR+	/					A1

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Lab Client Rep: Agnes R Huntley

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1537

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S6
Instrument Type: GCMS-Semi

Description: HP7890A
Manufacturer: Agilent
Model: 7890A/5973
GC Column used: 30 m X 0.25 mm ID [0.25 um thickness] Rxi-5sil MS capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

WG-TP-01-082614 (N1537-01A), recovery is below criteria for Terphenyl-d14 at 39% with criteria of (50-135).

WG-TP-11-082614 (N1537-02A), recovery is below criteria for Terphenyl-d14 at 42% with criteria of (50-135).

WG-TP-12-082614 (N1537-03A), recovery is below criteria for Terphenyl-d14 at 41% with criteria of (50-135).

WG-TP-09-082614 (N1537-06A), recovery is below criteria for Terphenyl-d14 at 25% with criteria of (50-135).

WG-TP-07-082614 (N1537-07A), recovery is below criteria for Terphenyl-d14 at 48% with criteria of (50-135).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits with the following exceptions. Please note that most test procedures allow for several compounds outside of the QC limits for the LCS, although this may indicate a bias for this specific compound.

LCS-78749 in batch 78749, recovery is below criteria for 2-Methylphenol at 40% with criteria of (40-110).

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

Manual integrations were performed on the following:

SSTD0256U 1,4-Dioxane due to M6

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and

for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed:_____ _____

Date:_____9/8/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-01-082614

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1537-01A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9251.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/27/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/28/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	1.1	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	7.3	J
86-73-7	Fluorene	5.1	J
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	1.4	J
120-12-7	Anthracene	1.3	J
206-44-0	Fluoranthene	1.7	J
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-11-082614

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1537-02A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9252.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/27/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/28/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	J
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	1.9	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-12-082614

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1537-03A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9253.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/27/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/29/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-03-082614

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1537-04A

Sample wt/vol: 880 (g/mL) ML Lab File ID: S6B9254.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/27/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/29/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	1.5	J
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-10-082614

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1537-05A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9255.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/27/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/29/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	31	
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	6.8	J
91-20-3	Naphthalene	1.9	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	9.5	J
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-09-082614

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1537-06A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9256.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/27/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/29/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	13	
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	2.0	J
91-20-3	Naphthalene	1.3	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-07-082614

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1537-07A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9257.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/27/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/29/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	8.9	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	7.8	J
86-73-7	Fluorene	2.9	J
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	3.5	J
120-12-7	Anthracene	1.1	J
206-44-0	Fluoranthene	1.9	J
129-00-0	Pyrene	1.1	J
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-04-082614

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1537-08A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9262.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/27/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/29/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78749

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-78749

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9229.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/28/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78749

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-78749

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9230.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 08/28/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 08/28/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	8.8	J
95-48-7	2-Methylphenol	20	
106-44-5	4-Methylphenol	17	
91-20-3	Naphthalene	34	
208-96-8	Acenaphthylene	38	
83-32-9	Acenaphthene	37	
86-73-7	Fluorene	40	
87-86-5	Pentachlorophenol	42	
85-01-8	Phenanthrene	41	
120-12-7	Anthracene	40	
206-44-0	Fluoranthene	43	
129-00-0	Pyrene	36	
56-55-3	Benzo(a)anthracene	38	
218-01-9	Chrysene	39	
205-99-2	Benzo(b)fluoranthene	39	
207-08-9	Benzo(k)fluoranthene	37	
50-32-8	Benzo(a)pyrene	38	
193-39-5	Indeno(1,2,3-cd)pyrene	42	
53-70-3	Dibenzo(a,h)anthracene	41	
191-24-2	Benzo(g,h,i)perylene	41	

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78749	78	74	73	14	25	79			0
02	LCS-78749	73	74	63	14	24	75			0
03	WG-TP-01-082614	90	93	39 *	16	25	91			1
04	WG-TP-11-082614	96	93	42 *	14	24	83			1
05	WG-TP-12-082614	92	95	41 *	13	24	83			1
06	WG-TP-03-082614	93	93	62	16	30	93			0
07	WG-TP-10-082614	104	96	53	21	36	97			0
08	WG-TP-09-082614	61	54	25 *	11	20	55			1
09	WG-TP-07-082614	91	93	48 *	15	25	88			1
10	WG-TP-04-082614	93	93	55	13	25	89			0

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(40-110)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH)	= Terphenyl-d14	(50-135)
SDMC4	(PHL)	= Phenol-d5	(10-115)
SDMC5	(2FP)	= 2-Fluorophenol	(20-110)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78749

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

Lab Sample ID: LCS-78749 LCS Lot No.:

Date Extracted: 08/28/2014 Date Analyzed (1): 08/28/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	8.8376	18		0 - 115
2-Methylphenol	50.0000	0.0000	19.8395	40	*	40 - 110
4-Methylphenol	50.0000	0.0000	16.9026	34		30 - 110
Naphthalene	50.0000	0.0000	34.0509	68		40 - 100
Acenaphthylene	50.0000	0.0000	38.1664	76		50 - 105
Acenaphthene	50.0000	0.0000	37.2561	75		45 - 110
Fluorene	50.0000	0.0000	39.8207	80		50 - 110
Pentachlorophenol	50.0000	0.0000	42.1499	84		40 - 115
Phenanthrene	50.0000	0.0000	41.2048	82		50 - 115
Anthracene	50.0000	0.0000	40.1113	80		55 - 110
Fluoranthene	50.0000	0.0000	42.5163	85		55 - 115
Pyrene	50.0000	0.0000	36.3377	73		50 - 130
Benzo(a)anthracene	50.0000	0.0000	37.6702	75		55 - 110
Chrysene	50.0000	0.0000	38.7808	78		55 - 110
Benzo(b)fluoranthene	50.0000	0.0000	38.7342	77		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	37.2550	75		45 - 125
Benzo(a)pyrene	50.0000	0.0000	37.9831	76		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	42.2451	84		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	41.2338	82		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	41.4851	83		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 20 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78749

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

Lab File ID: S6B9229.D Lab Sample ID: MB-78749

Instrument ID: S6 Date Extracted: 08/28/2014

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 08/28/2014

Level: (LOW/MED) LOW Time Analyzed: 14:55

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-78749	LCS-78749	S6B9230.D	08/28/2014
02	WG-TP-01-082614	N1537-01A	S6B9251.D	08/28/2014
03	WG-TP-11-082614	N1537-02A	S6B9252.D	08/28/2014
04	WG-TP-12-082614	N1537-03A	S6B9253.D	08/29/2014
05	WG-TP-03-082614	N1537-04A	S6B9254.D	08/29/2014
06	WG-TP-10-082614	N1537-05A	S6B9255.D	08/29/2014
07	WG-TP-09-082614	N1537-06A	S6B9256.D	08/29/2014
08	WG-TP-07-082614	N1537-07A	S6B9257.D	08/29/2014
09	WG-TP-04-082614	N1537-08A	S6B9262.D	08/29/2014

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 08/06/2014 08/06/2014

EPA Sample No.(SSTD020##) SSTD0256T Date Analyzed: 08/28/2014

Lab File ID (Standard): S6B9228.D Time Analyzed: 14:12

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	245211		4.361		908454		5.442		630192		6.899	
	UPPER LIMIT	490422		4.861		1816908		5.942		1260384		7.399	
	LOWER LIMIT	122606		3.861		454227		4.942		315096		6.399	
	EPA SAMPLE NO.												
01	MB-78749	199056		4.361		722881		5.442		516043		6.893	
02	LCS-78749	223214		4.361		822447		5.442		583469		6.899	
03	WG-TP-01-082614	180715		4.361		688289		5.442		467107		6.893	
04	WG-TP-11-082614	181870		4.361		685884		5.442		476899		6.893	
05	WG-TP-12-082614	186602		4.361		713447		5.442		485699		6.893	
06	WG-TP-03-082614	203967		4.367		741881		5.442		517217		6.893	
07	WG-TP-10-082614	228069		4.367		811287		5.442		567186		6.899	
08	WG-TP-09-082614	224810		4.367		848432		5.448		572169		6.899	
09	WG-TP-07-082614	187829		4.367		711931		5.448		492377		6.899	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

EPA Sample No.(SSTD020##) SSTD0256T Date Analyzed: 08/28/2014

Lab File ID (Standard): S6B9228.D Time Analyzed: 14:12

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1324982		8.121		1417101		10.354		1229996		12.093	
	UPPER LIMIT	2649964		8.621		2834202		10.854		2459992		12.593	
	LOWER LIMIT	662491		7.621		708551		9.854		614998		11.593	
	EPA SAMPLE NO.												
01	MB-78749	1094199		8.115		1312086		10.383		1234588		12.122	
02	LCS-78749	1251931		8.121		1563013		10.336		1448979		12.069	
03	WG-TP-01-082614	1010633		8.115		1232122		10.325		1145874		12.058	
04	WG-TP-11-082614	1028607		8.115		1226524		10.325		1155928		12.058	
05	WG-TP-12-082614	1051893		8.115		1270985		10.325		1189085		12.052	
06	WG-TP-03-082614	1089468		8.115		1268488		10.325		1140025		12.052	
07	WG-TP-10-082614	1198109		8.121		1245235		10.354		1082874		12.128	
08	WG-TP-09-082614	1202975		8.121		1346765		10.336		1070224		12.075	
09	WG-TP-07-082614	1042831		8.121		1214667		10.324		1076671		12.064	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 08/06/2014 08/06/2014

EPA Sample No.(SSTD020##) SSTD0256U Date Analyzed: 08/29/2014

Lab File ID (Standard): S6B9260.D Time Analyzed: 11:23

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	255225		4.354		1025185		5.436		665097		6.887	
	UPPER LIMIT	510450		4.854		2050370		5.936		1330194		7.387	
	LOWER LIMIT	127613		3.854		512593		4.936		332549		6.387	
	EPA SAMPLE NO.												
01	WG-TP-04-082614	215501		4.354		761545		5.430		527523		6.881	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1537 Mod. Ref No.: SDG No.: SN1537

EPA Sample No.(SSTD020##) SSTD0256U Date Analyzed: 08/29/2014

Lab File ID (Standard): S6B9260.D Time Analyzed: 11:23

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1413037		8.109		1612248		10.342		1369003		12.069	
	UPPER LIMIT	2826074		8.609		3224496		10.842		2738006		12.569	
	LOWER LIMIT	706519		7.609		806124		9.842		684502		11.569	
	EPA SAMPLE NO.												
01	WG-TP-04-082614	1052701		8.103		1037346		10.312		883188		12.034	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1537

SW846 6010C, SW846 9012B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test codes: SW846 6010C, SW846 9012B

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW9012B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: LACHAT1
Instrument Type: WC
Description: Flow Injection Analyzer
Manufacturer: Zellweger Analytics
Model: Quik-Chem 8000

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

A matrix spike was not performed on any sample in this SDG.

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

A duplicate analysis was not performed on any sample in this SDG.

F. Serial Dilution (SD):

A serial dilution was not performed on any sample in this SDG.

G. Samples:

Several cyanide samples required dilutions of 50 or 100 X. No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 09/05/2014

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-01-082614

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Matrix (soil/water): WATER Lab Sample ID: N1537-01

Level (low/med): MED Date Received: 08/27/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	571			P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	79600			P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	2490			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	122000			P
7439-96-5	Manganese	106			P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	229000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	45800			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	5.9	B		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	49.5			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-03-082614

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Matrix (soil/water): WATER Lab Sample ID: N1537-04

Level (low/med): MED Date Received: 08/27/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	26.1	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	17700			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	48.1	B		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	7860			P
7439-96-5	Manganese	11.8	B		P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	79500			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	33700			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	15.7	B		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-04-082614

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Matrix (soil/water): WATER Lab Sample ID: N1537-08

Level (low/med): MED Date Received: 08/27/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	80.0	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	112000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	95.0	B		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	16900			P
7439-96-5	Manganese	449			P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	43900			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	26100			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	7.5	U		CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-07-082614

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Matrix (soil/water): WATER Lab Sample ID: N1537-07

Level (low/med): MED Date Received: 08/27/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	34.8	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	37000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	140	B		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	17600			P
7439-96-5	Manganese	90.4			P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	176000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	59600			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	188			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-09-082614

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Matrix (soil/water): WATER Lab Sample ID: N1537-06

Level (low/med): MED Date Received: 08/27/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7010			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	80.8			P
7440-39-3	Barium	5.1	B		P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	37000			P
7440-47-3	Chromium	24.7			P
7440-48-4	Cobalt	2.2	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	711			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	17.4	B		P
7440-02-0	Nickel	76.6			P
7440-09-7	Potassium	1260000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	93100			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	179			P
7440-66-6	Zinc	16.9	B		P
57-12-5	Cyanide	96.5			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-10-082614

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Matrix (soil/water): WATER Lab Sample ID: N1537-05

Level (low/med): MED Date Received: 08/27/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4820			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	94.3			P
7440-39-3	Barium	2.6	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	31100			P
7440-47-3	Chromium	4.3	B		P
7440-48-4	Cobalt	11.4	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	6930			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	33.1	B		P
7440-09-7	Potassium	1670000			P
7782-49-2	Selenium	22.7	B		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	140000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	64.5			P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	17100			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-11-082614

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Matrix (soil/water): WATER Lab Sample ID: N1537-02

Level (low/med): MED Date Received: 08/27/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	6.0	B		P
7440-39-3	Barium	30.4	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	162000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	229			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	371	B		P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	4.5	B		P
7440-09-7	Potassium	430000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	46700			P
7440-28-0	Thallium	7.7	B		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	259			CA

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-12-082614

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Matrix (soil/water): WATER Lab Sample ID: N1537-03

Level (low/med): MED Date Received: 08/27/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	693			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	13.9	B		P
7440-39-3	Barium	12.9	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	50900			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.78	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	466			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	661			P
7439-96-5	Manganese	24.1	B		P
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	179000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	87400			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	10.1	B		P
57-12-5	Cyanide	167			CA

Comments:

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78735

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	10015.40	110.1						
Antimony	455.0	491.14	107.9						
Arsenic	455.0	501.79	110.3						
Barium	9100.0	9923.70	109.1						
Beryllium	227.0	250.68	110.4						
Cadmium	227.0	253.30	111.6						
Calcium	22700.0	24215.90	106.7						
Chromium	910.0	1013.33	111.4						
Cobalt	2270.0	2521.91	111.1						
Copper	1130.0	1254.01	111.0						
Iron	4550.0	5264.87	115.7						
Lead	455.0	495.38	108.9						
Magnesium	22700.0	25237.79	111.2						
Manganese	2270.0	2528.66	111.4						
Nickel	2270.0	2514.73	110.8						
Potassium	22700.0	24962.24	110.0						
Selenium	455.0	495.11	108.8						
Silver	1130.0	1211.60	107.2						
Sodium	22700.0	25543.13	112.5						
Thallium	455.0	456.97	100.4						
Vanadium	2270.0	2504.25	110.3						
Zinc	2270.0	2529.38	111.4						

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78766

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide	100.0	97.85	97.9						

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78766**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

LACHAT1_140829A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	08/29/14 10:50	C	08/29/14 11:17	C	08/29/14 11:48	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	7.500	U	CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140829C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	08/29/14 15:00	C	08/29/14 15:22	C		C		C	M
Cyanide	7.5	U	7.5	U	7.5	U					CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140903A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	09/03/14 12:28	C	09/03/14 12:51	C		C		C	M
Cyanide	7.5	U	7.5	U	7.5	U					CA

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78735**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_140828B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 08/28/14 16:47	C	08/28/14 17:27	C	08/28/14 18:08	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	66.000	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	9.300	U	P
Arsenic	4.3	U	4.3	U	4.3	U	-5.9	B	4.300	U	P
Barium	2.2	B	1.8	B	2.8	B	1.1	U	1.100	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.260	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	110.000	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Cobalt	0.7	U	0.7	U	0.8	B	0.7	U	0.670	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	31.000	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.850	U	P
Potassium	-258.7	B	-413.5	B	611.0	B	945.2	B	76.000	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P
Sodium	-37.4	B	-49.7	B	89.8	B	45.5	B	29.000	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	6.200	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	4.900	U	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1537

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140829A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	08/29/14 8:41	C	08/29/14 8:56	C		C		C	M
Potassium	76.0	U	76.0	U	76.0	U					P

* Wet Chemistry *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1537

SM 3500D

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times with the following exceptions:

WG-TP-01-082614 (N1537-01D) exceed by 1 Days
WG-TP-10-082614 (N1537-05D) exceed by 1 Days

Please note these samples were a few minutes outside of method holding times when they were received at the laboratory.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 3500D

IV. PREPARATION

Samples were prepared following procedures in laboratory test code: SM 3500D

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: SPEC2
Instrument Type: SP
Description: Spectronic 20 Genesys
Manufacturer: Spectronic Instruments
Model: 4004-000

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

D. Duplicate sample:

No client-requested laboratory duplicate analyses were included in this SDG.

E. Dilutions:

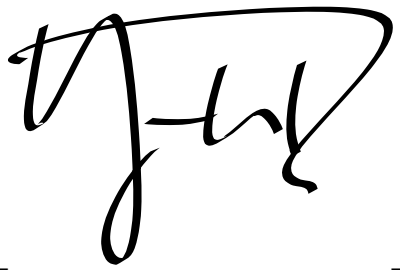
No sample required dilution in this SDG.

F. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and

conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____9/8/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-01-082614
Lab ID: N1537-01
Project: Buffalo Lakeside
Collection Date: 08/26/14 10:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	08/27/2014 11:16	78734

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-11-082614
Lab ID: N1537-02
Project: Buffalo Lakeside
Collection Date: 08/26/14 11:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	08/27/2014 11:21	78734

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-12-082614
Lab ID: N1537-03
Project: Buffalo Lakeside
Collection Date: 08/26/14 14:28

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	08/27/2014 11:26	78734

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-03-082614
Lab ID: N1537-04
Project: Buffalo Lakeside
Collection Date: 08/26/14 15:59

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	08/27/2014 11:31	78734

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-10-082614
Lab ID: N1537-05
Project: Buffalo Lakeside
Collection Date: 08/26/14 10:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	08/27/2014 11:36	78734

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-09-082614
Lab ID: N1537-06
Project: Buffalo Lakeside
Collection Date: 08/26/14 12:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	08/27/2014 11:41	78734

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-07-082614
Lab ID: N1537-07
Project: Buffalo Lakeside
Collection Date: 08/26/14 14:25

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	0.41		0.030	mg/L	1	08/27/2014 11:46	78734

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-04-082614
Lab ID: N1537-08
Project: Buffalo Lakeside
Collection Date: 08/26/14 16:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	08/27/2014 11:51	78734

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

N1537

CLIENT: CDM-Smith, Inc.
Work Order: N1537
Project: Buffalo Lakeside

ANALYTICAL QC SUMMARY REPORT

SM3500_CR+

SM 3500D -- CR VI by Colorimetric Method

Sample ID: **MB-78734**	SampType: **MBLK**	TestCode: **SM3500_CR+**			Prep Date: **08/27/14 11:00**			Run ID: **SPEC2_140827B**				
Client ID: **MB-78734**	Batch ID: **78734**	Units: **mg/L**			Analysis Date: **08/27/14 11:01**			SeqNo: **2143678**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.030	0.030									

Sample ID: **LCS-78734**	SampType: **LCS**	TestCode: **SM3500_CR+**			Prep Date: **08/27/14 11:00**			Run ID: **SPEC2_140827B**				
Client ID: **LCS-78734**	Batch ID: **78734**	Units: **mg/L**			Analysis Date: **08/27/14 11:06**			SeqNo: **2143679**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.3900	0.030	0.030	0.4000	0	97.5	80	120	0			

Sample ID: **LCSD-78734**	SampType: **LCSD**	TestCode: **SM3500_CR+**			Prep Date: **08/27/14 11:00**			Run ID: **SPEC2_140827B**				
Client ID: **LCSD-78734**	Batch ID: **78734**	Units: **mg/L**			Analysis Date: **08/27/14 11:11**			SeqNo: **2143681**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.3840	0.030	0.030	0.4000	0	96.0	80	120	0.3900	1.55	20	

Qualifiers:
ND - Not Detected at the MDL
J - Analyte detected below quanititation limits
S - Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
MDL - Method Detection Limit
RL - Reporting Limit
B - Analyte detected in the associated Method Blank

Report Date:
09-Sep-14 15:40

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

- [x] Final Report
- [ ] Re-Issued Report
- [ ] Revised Report

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: N1547
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
N1547-01	WG-TP-06-082714	Aqueous	27-Aug-14 09:40	28-Aug-14 09:57
N1547-02	WG-TP-05-082714	Aqueous	27-Aug-14 09:43	28-Aug-14 09:57

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

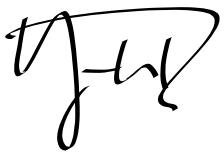
Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:



Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
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* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1547

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
WG-TP-06-082714	N1547-01		SW8270_W		SW6010_W	SEE DATA
WG-TP-05-082714	N1547-02		SW8270_W		SW6010_W	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1547

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_W					
N1547-01A	AQ	8/27/2014	8/28/2014	9/3/2014	9/3/2014
N1547-02A	AQ	8/27/2014	8/28/2014	9/3/2014	9/3/2014

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** N1547

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_W					
N1547-01A	AQ	SW8270_W	3510C	NA	1
N1547-02A	AQ	SW8270_W	3510C	NA	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** N1547

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
N1547-01D	AQ	SW6010_W	8/28/2014	9/2/2014
N1547-02D	AQ	SW6010_W	8/28/2014	9/2/2014

N1547

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: N1547

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO: 0897-91667

HC Due: 09/09/14
Fax Due: 09/04/14
Fax Report: ☑

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
N1547-01A	WG-TP-06-082714	08/27/2014 09:40	08/28/2014	Aqueous	SW8270_W	/				Y	B4
N1547-01B	WG-TP-06-082714	08/27/2014 09:40	08/28/2014	Aqueous	SM3500_CR+	/					B4
N1547-01C	WG-TP-06-082714	08/27/2014 09:40	08/28/2014	Aqueous	SW9012_W	/					B4
N1547-01D	WG-TP-06-082714	08/27/2014 09:40	08/28/2014	Aqueous	SW6010_W	/					M3
N1547-02A	WG-TP-05-082714	08/27/2014 09:43	08/28/2014	Aqueous	SW8270_W	/				Y	B4
N1547-02B	WG-TP-05-082714	08/27/2014 09:43	08/28/2014	Aqueous	SM3500_CR+	/					B4
N1547-02C	WG-TP-05-082714	08/27/2014 09:43	08/28/2014	Aqueous	SW9012_W	/					B4
N1547-02D	WG-TP-05-082714	08/27/2014 09:43	08/28/2014	Aqueous	SW6010_W	/					M3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

08/29/2014 10:53 Lab Client Rep: Agnes R Huntley

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1547

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S6
Instrument Type: GCMS-Semi

Description: HP7890A
Manufacturer: Agilent
Model: 7890A/5973

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

WG-TP-06-082714 (N1547-01A), recovery is below criteria for 2-Fluorophenol at 18% with criteria of (20-110) and Terphenyl-d14 at 45% with criteria of (50-135).

WG-TP-05-082714 (N1547-02A), recovery is below criteria for 2-Fluorophenol at 19% with criteria of (20-110).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

No manual integrations were performed on any sample or standard.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed:_____ _____

Date:_____9/8/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-06-082714

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1547 Mod. Ref No.: SDG No.: SN1547

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1547-01A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9297A.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/28/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 09/03/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 09/03/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	34	
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	2.1	J
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	2.2	J
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WG-TP-05-082714

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1547 Mod. Ref No.: SDG No.: SN1547

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: N1547-02A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9296.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 08/28/2014

Concentrated Extract Volume: 1000 (uL) Date Extracted: 09/03/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 09/03/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-78811

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1547 Mod. Ref No.: SDG No.: SN1547

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-78811

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9292.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 09/03/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 09/03/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-78811

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1547 Mod. Ref No.: SDG No.: SN1547

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-78811

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9293.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 09/03/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 09/03/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	
95-48-7	2-Methylphenol	25	
106-44-5	4-Methylphenol	22	
91-20-3	Naphthalene	45	
208-96-8	Acenaphthylene	48	
83-32-9	Acenaphthene	48	
86-73-7	Fluorene	50	
87-86-5	Pentachlorophenol	41	
85-01-8	Phenanthrene	50	
120-12-7	Anthracene	49	
206-44-0	Fluoranthene	50	
129-00-0	Pyrene	46	
56-55-3	Benzo(a)anthracene	48	
218-01-9	Chrysene	49	
205-99-2	Benzo(b)fluoranthene	52	
207-08-9	Benzo(k)fluoranthene	50	
50-32-8	Benzo(a)pyrene	49	
193-39-5	Indeno(1,2,3-cd)pyrene	49	
53-70-3	Dibenzo(a,h)anthracene	46	
191-24-2	Benzo(g,h,i)perylene	45	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSD-78811

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1547 Mod. Ref No.: SDG No.: SN1547

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-78811

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S6B9294.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 09/03/2014

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 09/03/2014

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	
95-48-7	2-Methylphenol	25	
106-44-5	4-Methylphenol	21	
91-20-3	Naphthalene	45	
208-96-8	Acenaphthylene	48	
83-32-9	Acenaphthene	47	
86-73-7	Fluorene	49	
87-86-5	Pentachlorophenol	38	
85-01-8	Phenanthrene	51	
120-12-7	Anthracene	49	
206-44-0	Fluoranthene	48	
129-00-0	Pyrene	50	
56-55-3	Benzo(a)anthracene	49	
218-01-9	Chrysene	50	
205-99-2	Benzo(b)fluoranthene	50	
207-08-9	Benzo(k)fluoranthene	49	
50-32-8	Benzo(a)pyrene	49	
193-39-5	Indeno(1,2,3-cd)pyrene	56	
53-70-3	Dibenzo(a,h)anthracene	54	
191-24-2	Benzo(g,h,i)perylene	55	

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1547 Mod. Ref No.: SDG No.: SN1547

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-78811	103	98	114	17	28	89			0
02	LCS-78811	93	94	95	19	31	89			0
03	LCSD-78811	93	95	99	18	29	90			0
04	WG-TP-05-082714	91	87	80	11	19 *	89			1
05	WG-TP-06-082714	69	59	45 *	11	18 *	62			2

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(40-110)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH)	= Terphenyl-d14	(50-135)
SDMC4	(PHL)	= Phenol-d5	(10-115)
SDMC5	(2FP)	= 2-Fluorophenol	(20-110)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.07.15.0901

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-78811

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1547 Mod. Ref No.: SDG No.: SN1547

Lab Sample ID: LCS-78811 LCS Lot No.:

Date Extracted: 09/03/2014 Date Analyzed (1): 09/03/2014

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	11.4650	23		0 - 115
2-Methylphenol	50.0000	0.0000	24.9627	50		40 - 110
4-Methylphenol	50.0000	0.0000	21.8465	44		30 - 110
Naphthalene	50.0000	0.0000	44.9050	90		40 - 100
Acenaphthylene	50.0000	0.0000	48.0155	96		50 - 105
Acenaphthene	50.0000	0.0000	47.7362	95		45 - 110
Fluorene	50.0000	0.0000	49.6696	99		50 - 110
Pentachlorophenol	50.0000	0.0000	41.0056	82		40 - 115
Phenanthrene	50.0000	0.0000	50.4047	101		50 - 115
Anthracene	50.0000	0.0000	49.0763	98		55 - 110
Fluoranthene	50.0000	0.0000	50.0715	100		55 - 115
Pyrene	50.0000	0.0000	46.0827	92		50 - 130
Benzo(a)anthracene	50.0000	0.0000	48.1553	96		55 - 110
Chrysene	50.0000	0.0000	48.6147	97		55 - 110
Benzo(b)fluoranthene	50.0000	0.0000	52.3864	105		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	49.5467	99		45 - 125
Benzo(a)pyrene	50.0000	0.0000	48.7749	98		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	49.3374	99		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	46.0990	92		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	44.5461	89		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.
LCSD-78811

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1547 Mod. Ref No.: SDG No.: SN1547

Lab Sample ID: LCSD-78811 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0000	10.4680	21		9		40	0 - 115
2-Methylphenol	50.0000	24.6025	49		2		40	40 - 110
4-Methylphenol	50.0000	20.7338	41		7		40	30 - 110
Naphthalene	50.0000	45.2052	90		0		40	40 - 100
Acenaphthylene	50.0000	48.2413	96		0		40	50 - 105
Acenaphthene	50.0000	47.2722	95		0		40	45 - 110
Fluorene	50.0000	48.7481	97		2		40	50 - 110
Pentachlorophenol	50.0000	38.3034	77		6		40	40 - 115
Phenanthrene	50.0000	50.8254	102		1		40	50 - 115
Anthracene	50.0000	49.3937	99		1		40	55 - 110
Fluoranthene	50.0000	48.4567	97		3		40	55 - 115
Pyrene	50.0000	49.9550	100		8		40	50 - 130
Benzo(a)anthracene	50.0000	48.6764	97		1		40	55 - 110
Chrysene	50.0000	49.7980	100		3		40	55 - 110
Benzo(b)fluoranthene	50.0000	50.2574	101		4		40	45 - 120
Benzo(k)fluoranthene	50.0000	49.2272	98		1		40	45 - 125
Benzo(a)pyrene	50.0000	49.2260	98		0		40	55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	55.6458	111		11		40	45 - 125
Dibenzo(a,h)anthracene	50.0000	53.9028	108		16		40	40 - 125
Benzo(g,h,i)perylene	50.0000	55.2591	111		22		40	40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-78811

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1547 Mod. Ref No.: SDG No.: SN1547

Lab File ID: S6B9292.D Lab Sample ID: MB-78811

Instrument ID: S6 Date Extracted: 09/03/2014

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 09/03/2014

Level: (LOW/MED) LOW Time Analyzed: 13:03

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-78811	LCS-78811	S6B9293.D	09/03/2014
02	LCSD-78811	LCSD-78811	S6B9294.D	09/03/2014
03	WG-TP-05-082714	N1547-02A	S6B9296.D	09/03/2014
04	WG-TP-06-082714	N1547-01A	S6B9297A.D	09/03/2014

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1547 Mod. Ref No.: SDG No.: SN1547

GC Column: Rxi-5sil MS ID: 0.25 (mm) Init. Calib. Date(s): 08/06/2014 08/06/2014

EPA Sample No.(SSTD020##) SSTD0256W Date Analyzed: 09/03/2014

Lab File ID (Standard): S6B9291.D Time Analyzed: 12:19

Instrument ID: S6

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	238841		4.325		861378		5.406		589851		6.857	
	UPPER LIMIT	477682		4.825		1722756		5.906		1179702		7.357	
	LOWER LIMIT	119421		3.825		430689		4.906		294926		6.357	
	EPA SAMPLE NO.												
01	MB-78811	182325		4.325		669419		5.406		479246		6.857	
02	LCS-78811	203084		4.325		750846		5.406		526764		6.857	
03	LCSD-78811	200180		4.325		721489		5.406		469816		6.857	
04	WG-TP-05-082714	207294		4.325		761464		5.406		543605		6.857	
05	WG-TP-06-082714	210845		4.325		787806		5.406		545065		6.857	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: N1547 Mod. Ref No.: SDG No.: SN1547

EPA Sample No.(SSTD020##) SSTD0256W Date Analyzed: 09/03/2014

Lab File ID (Standard): S6B9291.D Time Analyzed: 12:19

Instrument ID: S6 GC Column: Rxi-5sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1232983		8.079		1324484		10.353		1124628		12.063	
	UPPER LIMIT	2465966		8.579		2648968		10.853		2249256		12.563	
	LOWER LIMIT	616492		7.579		662242		9.853		562314		11.563	
	EPA SAMPLE NO.												
01	MB-78811	997595		8.080		1063629		10.342		820408		12.046	
02	LCS-78811	1143534		8.080		1320384		10.306		1109494		11.999	
03	LCSD-78811	951584		8.080		949129		10.295		829128		11.981	
04	WG-TP-05-082714	1139685		8.080		1216408		10.289		923730		11.981	
05	WG-TP-06-082714	1139974		8.080		1241088		10.289		921658		11.987	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1547

SW846 6010C, SW846 9012B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 6010C, SW846 9012B

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW9012B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: LACHAT1
Instrument Type: WC
Description: Flow Injection Analyzer
Manufacturer: Zellweger Analytics
Model: Quik-Chem 8000

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

A matrix spike was not performed on any sample in this SDG.

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

A duplicate analysis was not performed on any sample in this SDG.

F. Serial Dilution (SD):

A serial dilution was not performed on any sample in this SDG.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 09/09/14

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET WG-TP-05-082714

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1547

Matrix (soil/water): WATER Lab Sample ID: N1547-02

Level (low/med): MED Date Received: 08/28/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	43.1	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	93300			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	4540			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	45800			P
7439-96-5	Manganese	784			P
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	48800			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	21700			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P
57-12-5	Cyanide	18.2	B		CA

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

WG-TP-06-082714

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1547

Matrix (soil/water): WATER Lab Sample ID: N1547-01

Level (low/med): MED Date Received: 08/28/2014

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	294			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	20.3			P
7440-39-3	Barium	28.8	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	48500			P
7440-47-3	Chromium	2.8	B		P
7440-48-4	Cobalt	5.3	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	1070			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	12900			P
7439-96-5	Manganese	35.2	B		P
7440-02-0	Nickel	10.3	B		P
7440-09-7	Potassium	290000			P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	301000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	17.4	B		P
7440-66-6	Zinc	10.6	B		P
57-12-5	Cyanide	2220			CA

Comments:

U.S. EPA - CLP

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1547

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-78766**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Cyanide	100.0	97.85	97.9						

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1547

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-78768

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	9104.08	100.0						
Antimony	455.0	483.94	106.4						
Arsenic	455.0	491.37	108.0						
Barium	9100.0	9318.70	102.4						
Beryllium	227.0	233.05	102.7						
Cadmium	227.0	248.95	109.7						
Calcium	22700.0	21781.16	96.0						
Chromium	910.0	950.09	104.4						
Cobalt	2270.0	2350.24	103.5						
Copper	1130.0	1140.79	101.0						
Iron	4550.0	4912.68	108.0						
Lead	455.0	481.39	105.8						
Magnesium	22700.0	23140.08	101.9						
Manganese	2270.0	2352.81	103.6						
Nickel	2270.0	2357.88	103.9						
Potassium	22700.0	23615.18	104.0						
Selenium	455.0	473.29	104.0						
Silver	1130.0	1176.10	104.1						
Sodium	22700.0	23684.31	104.3						
Thallium	455.0	442.44	97.2						
Vanadium	2270.0	2300.38	101.3						
Zinc	2270.0	2369.78	104.4						

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1547

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCSD-78768

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	9013.99	99.1						
Antimony	455.0	471.12	103.5						
Arsenic	455.0	476.94	104.8						
Barium	9100.0	9334.16	102.6						
Beryllium	227.0	233.20	102.7						
Cadmium	227.0	242.57	106.9						
Calcium	22700.0	21618.45	95.2						
Chromium	910.0	923.35	101.5						
Cobalt	2270.0	2308.60	101.7						
Copper	1130.0	1146.11	101.4						
Iron	4550.0	4798.49	105.5						
Lead	455.0	469.97	103.3						
Magnesium	22700.0	23226.37	102.3						
Manganese	2270.0	2359.81	104.0						
Nickel	2270.0	2300.54	101.3						
Potassium	22700.0	23401.21	103.1						
Selenium	455.0	463.95	102.0						
Silver	1130.0	1167.06	103.3						
Sodium	22700.0	23564.38	103.8						
Thallium	455.0	435.68	95.8						
Vanadium	2270.0	2292.57	101.0						
Zinc	2270.0	2315.03	102.0						

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1547

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78766**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

LACHAT1_140829A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	08/29/14 10:50	C	08/29/14 11:17	C	08/29/14 11:48	C		C	M
Cyanide	7.5	U	7.5	U	7.5	U	7.5	U	7.500	U	CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1547

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

LACHAT1_140829C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	08/29/14 15:00	C	08/29/14 15:22	C		C		C	M
Cyanide	7.5	U	7.5	U	7.5	U					CA

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1547

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-78768**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_140902A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 09/02/14 11:06	C	09/02/14 11:47	C	09/02/14 12:12	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	66.000	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	9.300	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	4.300	U	P
Barium	2.9	B	3.3	B	2.7	B	3.6	B	1.100	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.260	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	110.000	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Cobalt	0.7	U	1.0	B	0.7	U	0.8	B	0.670	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Iron	31.0	U	31.0	U	31.0	U	31.0	U	31.000	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Nickel	1.2	B	0.8	U	0.8	U	0.9	B	0.850	U	P
Potassium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P
Sodium	29.0	U	45.9	B	29.0	U	29.0	U	29.000	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	6.200	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	4.900	U	P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 0897-91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SN1547

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_140902A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 09/02/14 12:38	C		C		C	Preparation Blank	C	M
Aluminum			66.0	U							P
Antimony			9.3	U							P
Arsenic			4.3	U							P
Barium			3.8	B							P
Beryllium			0.3	U							P
Cadmium			0.9	U							P
Calcium			110.0	U							P
Chromium			0.6	U							P
Cobalt			0.9	B							P
Copper			3.6	U							P
Iron			31.0	U							P
Lead			4.2	U							P
Magnesium			76.0	U							P
Manganese			10.0	U							P
Nickel			1.2	B							P
Potassium			155.9	B							P
Selenium			12.0	U							P
Silver			6.9	U							P
Sodium			98.0	B							P
Thallium			6.2	U							P
Vanadium			1.1	U							P
Zinc			4.9	U							P

* Wet Chemistry *

REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: N1547

SM 3500D

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times with the following exceptions:

WG-TP-06-082714 (N1547-01B) exceed by 1 Days
WG-TP-05-082714 (N1547-02B) exceed by 1 Days

Please note method holding time has expired when these samples arrived at the laboratory. They were analyzed as soon as possible.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 3500D

IV. PREPARATION

Samples were prepared following procedures in laboratory test code: SM 3500D

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: SPEC2
Instrument Type: SP
Description: Spectronic 20 Genesys
Manufacturer: Spectronic Instruments
Model: 4004-000

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

D. Duplicate sample:

No client-requested laboratory duplicate analyses were included in this SDG.

E. Dilutions:

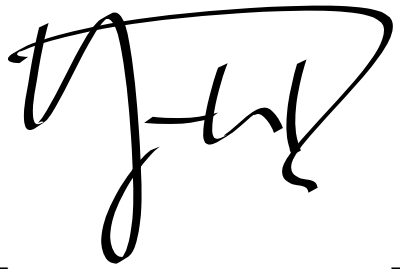
The following samples were analyzed at dilution:

WG-TP-06-082714 (N1547-01B), dilution factor: 5 for Chromium, Hexavalent

F. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____9/9/2014_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

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Data Flag/Qualifiers (Page 2 of 2):

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* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-06-082714
Lab ID: N1547-01
Project: Buffalo Lakeside
Collection Date: 08/27/14 9:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.15	mg/L	5	08/28/2014 10:46	78756

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Client: CDM-Smith, Inc.
Client Sample ID: WG-TP-05-082714
Lab ID: N1547-02
Project: Buffalo Lakeside
Collection Date: 08/27/14 9:43

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 3500D -- CR VI by Colorimetric Method							**SM3500_CR+**
Chromium, Hexavalent	ND		0.030	mg/L	1	08/28/2014 10:51	78756

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

N1547

CLIENT: CDM-Smith, Inc.
Work Order: N1547
Project: Buffalo Lakeside

ANALYTICAL QC SUMMARY REPORT

SM3500_CR+

SM 3500D -- CR VI by Colorimetric Method

Sample ID: **MB-78756**	SampType: **MBLK**	TestCode: **SM3500_CR+**			Prep Date: **08/28/14 10:30**			Run ID: **SPEC2_140828A**				
Client ID: **MB-78756**	Batch ID: **78756**	Units: **mg/L**			Analysis Date: **08/28/14 10:31**			SeqNo: **2143694**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.030	0.030									

Sample ID: **LCS-78756**	SampType: **LCS**	TestCode: **SM3500_CR+**			Prep Date: **08/28/14 10:30**			Run ID: **SPEC2_140828A**				
Client ID: **LCS-78756**	Batch ID: **78756**	Units: **mg/L**			Analysis Date: **08/28/14 10:36**			SeqNo: **2143695**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.3840	0.030	0.030	0.4000	0	96.0	80	120	0			

Sample ID: **LCSD-78756**	SampType: **LCSD**	TestCode: **SM3500_CR+**			Prep Date: **08/28/14 10:30**			Run ID: **SPEC2_140828A**				
Client ID: **LCSD-78756**	Batch ID: **78756**	Units: **mg/L**			Analysis Date: **08/28/14 10:41**			SeqNo: **2143696**				
Analyte	Result	MDL	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	0.3790	0.030	0.030	0.4000	0	94.8	80	120	0.3840	1.31	20	

Qualifiers:
ND - Not Detected at the MDL
J - Analyte detected below quanititation limits
S - Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
MDL - Method Detection Limit
RL - Reporting Limit
B - Analyte detected in the associated Method Blank

CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/14/2014 13:17
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB05-1114-U

Lab Sample # M14-25759-01

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/14/2014 13:18
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB05-1114-F

Lab Sample # M14-25759-02

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

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PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M14-25759
Received: 11/18/2014
Reported: 11/24/2014
Date/Time Sampled: 11/17/2014 09:50
Sampled By: Amy Picunas
Sampled Matrix: Surfacewater
Containers: 1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB15-1114-U
Lab Sample # M14-25759-03

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C Morris

Rhonda C Morris

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NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/17/2014 10:10
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB15-1114-F

Lab Sample # M14-25759-04

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/17/2014 11:50
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB16-1114-F

Lab Sample # M14-25759-05

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/17/2014 11:35
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB16-1114-U

Lab Sample # M14-25759-06

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/17/2014 12:50
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB20-1114-U

Lab Sample # M14-25759-07

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M14-25759
Received: 11/18/2014
Reported: 11/24/2014
Date/Time Sampled: 11/17/2014 13:00
Sampled By: Amy Picunas
Sampled Matrix: Surfacewater
Containers: 1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB20-1114-F
Lab Sample # M14-25759-08

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C Morris

Rhonda C Morris

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Reported by Alloway - Marion
PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M14-25759
Received: 11/18/2014
Reported: 11/24/2014
Date/Time Sampled: 11/14/2014 09:00
Sampled By: Amy Picunas
Sampled Matrix: Surfacewater
Containers: 1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB12-1114-U
Lab Sample # M14-25759-09

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
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Lab Project # M14-25759
Received: 11/18/2014
Reported: 11/24/2014
Date/Time Sampled: 11/14/2014 09:00
Sampled By: Amy Picunas
Sampled Matrix: Surfacewater
Containers: 1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB12-1114-F
Lab Sample # M14-25759-10

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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Chain of Custody attached

CDM Smith
Attn: Amy Picunas
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Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/14/2014 09:20
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB13-1114-U

Lab Sample # M14-25759-11

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M14-25759
Received: 11/18/2014
Reported: 11/24/2014
Date/Time Sampled: 11/14/2014 09:20
Sampled By: Amy Picunas
Sampled Matrix: Surfacewater
Containers: 1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB13-1114-F
Lab Sample # M14-25759-12

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/14/2014 09:45
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB14-1114-U

Lab Sample # M14-25759-13

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/14/2014 09:45
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB14-1114-F

Lab Sample # M14-25759-14

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.004	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/14/2014 10:10
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB19-1114-U

Lab Sample # M14-25759-15

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/14/2014 10:10
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB19-1114-F

Lab Sample # M14-25759-16

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/14/2014 10:25
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB01-1114-U

Lab Sample # M14-25759-17

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CDM Smith
Attn: Amy Picunas
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Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/14/2014 10:25
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB01-1114-F

Lab Sample # M14-25759-18

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		11/20/2014 11:33

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CDM Smith
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Latham, NY 12110

Lab Project # M14-25759
Received: 11/18/2014
Reported: 11/24/2014
Date/Time Sampled: 11/14/2014 12:23
Sampled By: Amy Picunas
Sampled Matrix: Surfacewater
Containers: 1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB02-1114-U
Lab Sample # M14-25759-19

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM	11/21/2014	11/21/2014 11:19

Analysis Certified By: Rhonda C Morris

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Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M14-25759
Received: 11/18/2014
Reported: 11/24/2014
Date/Time Sampled: 11/14/2014 12:25
Sampled By: Amy Picunas
Sampled Matrix: Surfacewater
Containers: 1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB02-1114-F
Lab Sample # M14-25759-20

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM	11/21/2014	11/21/2014 11:19

Analysis Certified By: Rhonda C Morris

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Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M14-25759
Received: 11/18/2014
Reported: 11/24/2014
Date/Time Sampled: 11/14/2014 12:35
Sampled By: Amy Picunas
Sampled Matrix: Surfacewater
Containers: 1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB03-1114-U
Lab Sample # M14-25759-21

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM	11/21/2014	11/21/2014 11:19

Analysis Certified By: Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
PA State Lab ID: 68-00370
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Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/14/2014 12:37
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB03-1114-F

Lab Sample # M14-25759-22

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM	11/21/2014	11/21/2014 11:19

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/14/2014 12:58
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB04-1114-U

Lab Sample # M14-25759-23

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM	11/21/2014	11/21/2014 11:19

Analysis Certified By: Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/14/2014 13:00
Sampled By:	Amy Picunas
Sampled Matrix:	Surfacewater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: SW-CB04-1114-F

Lab Sample # M14-25759-24

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM	11/21/2014	11/21/2014 11:19

Analysis Certified By: Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/17/2014 10:10
Sampled By:	Amy Picunas
Sampled Matrix:	Groundwater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: GW-TP09-1114-U

Lab Sample # M14-25759-25

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM	11/21/2014	11/21/2014 11:19

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/17/2014 11:30
Sampled By:	Amy Picunas
Sampled Matrix:	Groundwater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: GW-TP09-1114-F

Lab Sample # M14-25759-26

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM	11/21/2014	11/21/2014 11:19

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/17/2014 10:10
Sampled By:	Amy Picunas
Sampled Matrix:	Groundwater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: GW-TP09-1114-U-MS/MSD

Lab Sample # M14-25759-27

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM	11/21/2014	11/21/2014 11:19

The matrix spike/matrix spike duplicate recoveries were biased below method limits, data should be evaluated accordingly.

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M14-25759
Received: 11/18/2014
Reported: 11/24/2014
Date/Time Sampled: 11/17/2014 13:50
Sampled By: Amy Picunas
Sampled Matrix: Groundwater
Containers: 1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: GW-TP10-1114-U
Lab Sample # M14-25759-28

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.008	mg/L	0.003		ASTM-D7237-10	LM	11/21/2014	11/21/2014 11:19

Analysis Certified By: Rhonda C Morris

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Reported by Alloway - Marion
PA State Lab ID: 68-00370
NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-25759
Received:	11/18/2014
Reported:	11/24/2014
Date/Time Sampled:	11/17/2014 14:50
Sampled By:	Amy Picunas
Sampled Matrix:	Groundwater
Containers:	1

Project Name: BLCP CN Trackdown, Buffalo,NY

Sample ID: GW-TP10-1114-F

Lab Sample # M14-25759-29

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.013	mg/L	0.003		ASTM-D7237-10	LM	11/21/2014	11/21/2014 11:19

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: DUP-1-1214

Lab Sample # M14-26982-01

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM		12/16/2014 14:07

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 16:05
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP7-1214-U

Lab Sample # M14-26982-02

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM		12/16/2014 14:07

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 16:20
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP7-1214-F

Lab Sample # M14-26982-03

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM		12/16/2014 14:07

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/10/2014 08:00
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP12-1214-U

Lab Sample # M14-26982-04

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	LM		12/16/2014 14:07

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/10/2014 08:15
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP12-1214-F

Lab Sample # M14-26982-05

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 10:25
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP3-1214-U

Lab Sample # M14-26982-06

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 10:35
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP3-1214-F

Lab Sample # M14-26982-07

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 11:45
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP4-1214-U

Lab Sample # M14-26982-08

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 11:55
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP4-1214-F

Lab Sample # M14-26982-09

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 13:00
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP5-1214-U

Lab Sample # M14-26982-10

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 13:10
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP5-1214-F

Lab Sample # M14-26982-11

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 14:30
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP6-1214-U

Lab Sample # M14-26982-12

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 14:40
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP6-1214-F

Lab Sample # M14-26982-13

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/08/2014 15:20
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP11-1214-U

Lab Sample # M14-26982-14

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M14-26982
Received: 12/12/2014
Reported: 12/29/2014
Date Sampled: 12/08/2014 15:40
Sampled By: ER
Sampled Matrix: Groundwater
Containers: 1
Collection Method: Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP11-1214-F
Lab Sample # M14-26982-15

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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Reported by Alloway - Marion
Chain of Custody attached

CDM Smith
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11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/08/2014 16:40
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP8-1214-U

Lab Sample # M14-26982-16

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.009	mg/L	0.003		ASTM-D7237-10	LM	12/23/2014	12/23/2014 13:46

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/08/2014 17:00
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP8-1214-F

Lab Sample # M14-26982-17

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.212	mg/L	0.015		ASTM-D7237-10	LM		12/24/2014 16:48

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 08:05
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP1-1214-U

Lab Sample # M14-26982-18

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 08:15
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP1-1214-F

Lab Sample # M14-26982-19

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M14-26982
Received: 12/12/2014
Reported: 12/29/2014
Date Sampled: 12/09/2014 09:15
Sampled By: ER
Sampled Matrix: Groundwater
Containers: 1
Collection Method: Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP2-1214-U

Lab Sample # M14-26982-20

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M14-26982
Received:	12/12/2014
Reported:	12/29/2014
Date Sampled:	12/09/2014 09:25
Sampled By:	ER
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: BLCP- CN Trackdown, Buffalo, NY

Sample ID: GW-TP2-1214-F

Lab Sample # M14-26982-21

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		12/18/2014 10:50

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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The results presented on this Certificate of Analysis only reflect those parameters that were requested by the client on the chain of custody or other documentation received with the sample(s). The analytical results relate only to the items tested. Analytical results are based on dry-weights for solid samples, unless otherwise specified.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-71154-1
Client Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Authorized for release by:
12/3/2014 1:05:49 PM

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

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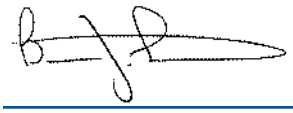
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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Manager of Project Management
12/3/2014 1:05:49 PM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
N	Presumptive evidence of material.
*	LCS or LCSD exceeds the control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-71154-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-71154-1

Comments
No additional comments.

Receipt
The samples were received on 11/10/2014 3:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS Semi VOA
Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: SB-01-1114-16-20 (480-71154-5), SB-02-1114-16-20 (480-71154-10). These results have been reported and qualified.

Method(s) 8270D: Surrogate recovery for the following sample was outside control limits: SB-04-1114-8-12 (480-71154-15). Re-analysis was performed with the same results indicating possible matrix interference.

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: SB-05-1114-16-20 (480-71154-20). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix : (480-71154-12 MS), (480-71154-12 MSD), SB-01-1114-0-4 (480-71154-1), SB-01-1114-8-12 (480-71154-3), SB-02-1114-0-4 (480-71154-6), SB-02-1114-4-8 (480-71154-7), SB-02-1114-8-12 (480-71154-8), SB-03-1114-0-4 (480-71154-11), SB-03-1114-4-8 (480-71154-12), SB-04-1114-0-4 (480-71154-13), SB-04-1114-4-8 (480-71154-14), SB-05-1114-0-4 (480-71154-16), SB-05-1114-12-16 (480-71154-19), SB-05-1114-4-8 (480-71154-17). As such, surrogate and spike recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The continuing calibration blank (CCB 480-214072/45) for analytical batch 480-214072 contained total iron above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of sample SB-02-1114-16-20 (480-71154-10), SB-03-1114-4-8 (480-71154-12), SB-04-1114-8-12 (480-71154-15), SB-05-1114-0-4 (480-71154-16), SB-05-1114-12-16 (480-71154-19), SB-05-1114-16-20 (480-71154-20), SB-05-1114-4-8 (480-71154-17) was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-214072/56) for analytical batch 480-214072 contained total iron above the upper quality control limit. All reported samples associated with this CCVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples SB-04-1114-8-12 (480-71154-15), SB-05-1114-0-4 (480-71154-16), SB-05-1114-12-16 (480-71154-19), SB-05-1114-16-20 (480-71154-20), SB-05-1114-4-8 (480-71154-17) was not performed.

Method(s) 6010C: The following sample was diluted due to the presence of manganese which interferes with total silver, magnesium, and selenium: SB-01-1114-0-4 (480-71154-1). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The serial dilution performed for the following sample(s) associated with batch 480-213592 was outside control limits for Arsenic: (480-71154-11 SD)

Method(s) 6010C: The low level continuing calibration verification (CCVL) recovered above the upper control limit for Total Zinc. The sample(s) (480-71154-11 MS), (480-71154-11 MSD), (480-71154-11 PDS), (480-71154-11 SD), SB-03-1114-0-4 (480-71154-11) associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Job ID: 480-71154-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-0-4
Date Collected: 11/10/14 12:12
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-1
Matrix: Solid
Percent Solids: 87.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1900	520	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
2,4,6-Trichlorophenol	ND		1900	380	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
2,4-Dichlorophenol	ND		1900	200	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
2,4-Dimethylphenol	ND		1900	460	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
2,4-Dinitrophenol	ND		3700	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
2,4-Dinitrotoluene	ND		1900	390	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
2,6-Dinitrotoluene	ND		1900	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
2-Chloronaphthalene	ND		1900	320	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
2-Chlorophenol	ND		1900	350	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
2-Methylnaphthalene	ND		1900	380	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
2-Methylphenol	ND		1900	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
2-Nitroaniline	ND		3700	280	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
2-Nitrophenol	ND		1900	540	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
3,3'-Dichlorobenzidine	ND		3700	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
3-Nitroaniline	ND		3700	530	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
4,6-Dinitro-2-methylphenol	ND		3700	1900	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
4-Bromophenyl phenyl ether	ND		1900	270	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
4-Chloro-3-methylphenol	ND		1900	470	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
4-Chloroaniline	ND		1900	470	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
4-Chlorophenyl phenyl ether	ND		1900	240	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
4-Methylphenol	ND		3700	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
4-Nitroaniline	ND		3700	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
4-Nitrophenol	ND		3700	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Acenaphthene	ND		1900	280	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Acenaphthylene	ND		1900	250	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Acetophenone	ND		1900	260	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Anthracene	ND		1900	470	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Atrazine	ND		1900	660	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Benzaldehyde	ND		1900	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Benzo(a)anthracene	ND		1900	190	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Benzo(a)pyrene	**870**	**J**	1900	280	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Benzo(b)fluoranthene	**1300**	**J**	1900	300	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Benzo(g,h,i)perylene	ND		1900	200	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Benzo(k)fluoranthene	ND		1900	250	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Biphenyl	ND		1900	280	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
bis (2-chloroisopropyl) ether	ND		1900	380	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Bis(2-chloroethoxy)methane	ND		1900	410	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Bis(2-chloroethyl)ether	ND		1900	250	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Bis(2-ethylhexyl) phthalate	ND		1900	650	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Butyl benzyl phthalate	ND		1900	320	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Caprolactam	ND		1900	570	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Carbazole	ND		1900	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Chrysene	ND		1900	430	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Dibenz(a,h)anthracene	ND		1900	340	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Dibenzofuran	ND		1900	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Diethyl phthalate	ND		1900	250	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Dimethyl phthalate	ND		1900	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Di-n-butyl phthalate	ND		1900	330	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Di-n-octyl phthalate	ND		1900	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10

Client Sample ID: SB-01-1114-0-4
Date Collected: 11/10/14 12:12
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-1
Matrix: Solid
Percent Solids: 87.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		1900	200	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Fluorene	ND		1900	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Hexachlorobenzene	ND		1900	260	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Hexachlorobutadiene	ND		1900	280	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Hexachlorocyclopentadiene	ND		1900	260	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Hexachloroethane	ND		1900	250	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Indeno(1,2,3-cd)pyrene	ND		1900	240	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Isophorone	ND		1900	410	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Naphthalene	ND		1900	250	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Nitrobenzene	ND		1900	210	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
N-Nitrosodi-n-propylamine	ND		1900	330	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
N-Nitrosodiphenylamine	ND		1900	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Pentachlorophenol	ND		3700	1900	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Phenanthrene	ND		1900	280	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Phenol	ND		1900	290	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10
Pyrene	ND		1900	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:07	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*330000*	*T J B*	*ug/Kg*	☼	*1.74*		*11/13/14 09:30*	*11/18/14 12:07*	*10*
Hexadecane	*400*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 12:07*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*39 - 146*	*11/13/14 09:30*	*11/18/14 12:07*	*10*
2-Fluorobiphenyl	*83*		*37 - 120*	*11/13/14 09:30*	*11/18/14 12:07*	*10*
2-Fluorophenol	*76*		*18 - 120*	*11/13/14 09:30*	*11/18/14 12:07*	*10*
Nitrobenzene-d5	*73*		*34 - 132*	*11/13/14 09:30*	*11/18/14 12:07*	*10*
Phenol-d5	*77*		*11 - 120*	*11/13/14 09:30*	*11/18/14 12:07*	*10*
p-Terphenyl-d14	*93*		*65 - 153*	*11/13/14 09:30*	*11/18/14 12:07*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14100**		11.7	5.1	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Antimony	ND		17.6	0.47	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Arsenic	**7.3**		2.3	0.47	mg/Kg	☼	11/12/14 12:36	11/14/14 21:46	1
Barium	**64.7**		0.59	0.13	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Beryllium	**1.3**		0.23	0.033	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Cadmium	**1.6**		0.23	0.035	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Calcium	**61000**	**B**	58.5	3.9	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Chromium	**34.3**		0.59	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Cobalt	**11.8**		0.59	0.059	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Copper	**44.1**		1.2	0.25	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Iron	**48000**		11.7	1.3	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Lead	**372**		1.2	0.28	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Magnesium	**11300**		117	5.4	mg/Kg	☼	11/12/14 12:36	11/14/14 21:49	5
Manganese	**10300**		1.2	0.19	mg/Kg	☼	11/12/14 12:36	11/17/14 10:40	5
Nickel	**45.0**		5.9	0.27	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Potassium	**2480**		35.1	23.4	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Selenium	ND		23.4	2.3	mg/Kg	☼	11/12/14 12:36	11/14/14 21:49	5
Silver	**2.4**	**J**	3.5	1.2	mg/Kg	☼	11/12/14 12:36	11/14/14 21:49	5
Sodium	**215**		164	15.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-0-4
Date Collected: 11/10/14 12:12
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-1
Matrix: Solid
Percent Solids: 87.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	3.8	J	7.0	0.35	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Vanadium	23.5		0.59	0.13	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1
Zinc	397	B	2.3	0.18	mg/Kg	☼	11/12/14 12:36	11/14/14 00:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.023	0.0094	mg/Kg	☼	11/12/14 13:30	11/12/14 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	10.6		1.1	0.53	mg/Kg	☼	11/17/14 11:20	11/17/14 13:23	1
Cyanide, Free	ND		2.4	0.12	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.045	0.041	mg/Kg	☼	11/17/14 12:05	11/19/14 15:01	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-4-8
Date Collected: 11/10/14 12:12
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-2
Matrix: Solid
Percent Solids: 77.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		220	58	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
2,4,6-Trichlorophenol	ND		220	43	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
2,4-Dichlorophenol	ND		220	23	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
2,4-Dimethylphenol	ND		220	52	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
2,4-Dinitrophenol	ND		420	130	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
2,4-Dinitrotoluene	ND		220	44	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
2,6-Dinitrotoluene	ND		220	25	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
2-Chloronaphthalene	ND		220	35	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
2-Chlorophenol	ND		220	39	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
2-Methylnaphthalene	ND		220	43	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
2-Methylphenol	ND		220	25	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
2-Nitroaniline	ND		420	32	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
2-Nitrophenol	ND		220	61	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
3,3'-Dichlorobenzidine	ND		420	250	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
3-Nitroaniline	ND		420	60	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
4,6-Dinitro-2-methylphenol	ND		420	220	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
4-Bromophenyl phenyl ether	ND		220	30	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
4-Chloro-3-methylphenol	ND		220	53	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
4-Chloroaniline	ND		220	53	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
4-Chlorophenyl phenyl ether	ND		220	27	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
4-Methylphenol	ND		420	25	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
4-Nitroaniline	ND		420	110	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
4-Nitrophenol	ND		420	150	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Acenaphthene	ND		220	32	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Acenaphthylene	ND		220	28	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Acetophenone	ND		220	29	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Anthracene	ND		220	53	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Atrazine	ND		220	75	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Benzaldehyde	ND		220	170	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Benzo(a)anthracene	ND		220	22	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Benzo(a)pyrene	ND		220	32	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Benzo(b)fluoranthene	**150**	**J**	220	34	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Benzo(g,h,i)perylene	ND		220	23	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Benzo(k)fluoranthene	ND		220	28	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Biphenyl	ND		220	32	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
bis (2-chloroisopropyl) ether	ND		220	43	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Bis(2-chloroethoxy)methane	ND		220	46	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Bis(2-chloroethyl)ether	ND		220	28	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Bis(2-ethylhexyl) phthalate	ND		220	74	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Butyl benzyl phthalate	ND		220	35	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Caprolactam	ND		220	65	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Carbazole	ND		220	25	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Chrysene	ND		220	48	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Dibenz(a,h)anthracene	ND		220	38	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Dibenzofuran	ND		220	25	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Diethyl phthalate	ND		220	28	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Dimethyl phthalate	ND		220	25	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Di-n-butyl phthalate	ND		220	37	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Di-n-octyl phthalate	ND		220	25	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-4-8
Date Collected: 11/10/14 12:12
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-2
Matrix: Solid
Percent Solids: 77.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		220	23	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Fluorene	ND		220	25	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Hexachlorobenzene	ND		220	29	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Hexachlorobutadiene	ND		220	32	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Hexachlorocyclopentadiene	ND		220	29	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Hexachloroethane	ND		220	28	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Indeno(1,2,3-cd)pyrene	ND		220	27	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Isophorone	ND		220	46	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Naphthalene	ND		220	28	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Nitrobenzene	ND		220	24	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
N-Nitrosodi-n-propylamine	ND		220	37	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
N-Nitrosodiphenylamine	ND		220	170	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Pentachlorophenol	ND		420	220	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Phenanthrene	ND		220	32	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Phenol	ND		220	33	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1
Pyrene	ND		220	25	ug/Kg	☼	11/13/14 09:30	11/18/14 12:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*69000*	*T J B*	*ug/Kg*	☼	*1.70*		*11/13/14 09:30*	*11/18/14 12:31*	*1*
Unknown	*81000*	*T J B*	*ug/Kg*	☼	*1.76*		*11/13/14 09:30*	*11/18/14 12:31*	*1*
Unknown	*140000*	*T J B*	*ug/Kg*	☼	*1.81*		*11/13/14 09:30*	*11/18/14 12:31*	*1*
Unknown	*240000*	*T J B*	*ug/Kg*	☼	*1.85*		*11/13/14 09:30*	*11/18/14 12:31*	*1*
Unknown	*1300*	*T J B*	*ug/Kg*	☼	*2.28*		*11/13/14 09:30*	*11/18/14 12:31*	*1*
Unknown	*2700*	*T J B*	*ug/Kg*	☼	*2.45*		*11/13/14 09:30*	*11/18/14 12:31*	*1*
Nonane	*360*	*T J N*	*ug/Kg*	☼	*4.89*	*111-84-2*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
n-Decane	*700*	*	*ug/Kg*	☼	*5.93*	*124-18-5*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
Undecane	*890*	*T J N*	*ug/Kg*	☼	*6.83*	*1120-21-4*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
Tridecane	*590*	*T J N*	*ug/Kg*	☼	*8.34*	*629-50-5*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
Tetradecane	*530*	*T J N*	*ug/Kg*	☼	*9.00*	*629-59-4*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
Hexadecane	*710*		*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
Heptadecane	*730*	*T J N*	*ug/Kg*	☼	*10.72*	*629-78-7*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
n-Octadecane	*510*		*ug/Kg*	☼	*11.18*	*593-45-3*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
Nonadecane	*460*	*T J N*	*ug/Kg*	☼	*11.60*	*629-92-5*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
Eicosane	*380*	*T J N*	*ug/Kg*	☼	*11.98*	*112-95-8*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
Heneicosane	*310*	*T J N*	*ug/Kg*	☼	*12.33*	*629-94-7*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
Docosane	*250*	*T J N*	*ug/Kg*	☼	*12.65*	*629-97-0*	*11/13/14 09:30*	*11/18/14 12:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*39 - 146*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
2-Fluorobiphenyl	*89*		*37 - 120*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
2-Fluorophenol	*85*		*18 - 120*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
Nitrobenzene-d5	*80*		*34 - 132*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
Phenol-d5	*88*		*11 - 120*	*11/13/14 09:30*	*11/18/14 12:31*	*1*
p-Terphenyl-d14	*93*		*65 - 153*	*11/13/14 09:30*	*11/18/14 12:31*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14600**		14.0	6.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Antimony	ND		21.0	0.56	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Arsenic	**4.5**		2.8	0.56	mg/Kg	☼	11/12/14 12:36	11/14/14 21:51	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-4-8
Date Collected: 11/10/14 12:12
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-2
Matrix: Solid
Percent Solids: 77.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	17.9		0.70	0.15	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Beryllium	0.71		0.28	0.039	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Cadmium	ND		0.28	0.042	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Calcium	113000	B	70.1	4.6	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Chromium	25.0		0.70	0.28	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Cobalt	16.9		0.70	0.070	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Copper	28.3		1.4	0.29	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Iron	30700		14.0	1.5	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Lead	26.4		1.4	0.34	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Magnesium	11800		28.1	1.3	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Manganese	683		0.28	0.045	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Nickel	58.8		7.0	0.32	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Potassium	2660		42.1	28.1	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Selenium	ND		5.6	0.56	mg/Kg	☼	11/12/14 12:36	11/14/14 21:51	1
Silver	ND		0.84	0.28	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Sodium	216		196	18.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Thallium	ND		8.4	0.42	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Vanadium	19.9		0.70	0.15	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1
Zinc	38.1	B	2.8	0.21	mg/Kg	☼	11/12/14 12:36	11/14/14 00:09	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.025	0.010	mg/Kg	☼	11/12/14 13:30	11/12/14 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.3	0.61	mg/Kg	☼	11/17/14 11:20	11/17/14 13:25	1
Cyanide, Free	ND		2.7	0.14	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.051	0.046	mg/Kg	☼	11/17/14 12:05	11/19/14 15:05	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-8-12
Date Collected: 11/10/14 12:25
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-3
Matrix: Solid
Percent Solids: 85.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2000	540	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
2,4-Dimethylphenol	ND		2000	480	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
2,4-Dinitrophenol	ND		3900	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
2,6-Dinitrotoluene	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
2-Chlorophenol	ND		2000	360	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
2-Methylphenol	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
2-Nitroaniline	ND		3900	290	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
2-Nitrophenol	ND		2000	560	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
3,3'-Dichlorobenzidine	ND		3900	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
3-Nitroaniline	ND		3900	550	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
4,6-Dinitro-2-methylphenol	ND		3900	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
4-Chloro-3-methylphenol	ND		2000	490	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
4-Chloroaniline	ND		2000	490	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
4-Chlorophenyl phenyl ether	ND		2000	250	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
4-Methylphenol	ND		3900	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
4-Nitroaniline	ND		3900	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
4-Nitrophenol	ND		3900	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Acenaphthene	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Acenaphthylene	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Acetophenone	ND		2000	270	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Anthracene	ND		2000	490	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Atrazine	ND		2000	690	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Benzo(a)anthracene	ND		2000	200	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Benzo(a)pyrene	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Benzo(b)fluoranthene	ND		2000	320	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Benzo(g,h,i)perylene	ND		2000	210	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Benzo(k)fluoranthene	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Biphenyl	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Bis(2-chloroethoxy)methane	ND		2000	420	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Bis(2-ethylhexyl) phthalate	ND		2000	680	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Caprolactam	ND		2000	600	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Carbazole	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Chrysene	ND		2000	440	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Dibenz(a,h)anthracene	ND		2000	350	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Dibenzofuran	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Diethyl phthalate	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Dimethyl phthalate	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Di-n-octyl phthalate	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10

Client Sample ID: SB-01-1114-8-12
Date Collected: 11/10/14 12:25
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-3
Matrix: Solid
Percent Solids: 85.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		2000	210	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Fluorene	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Hexachlorobenzene	ND		2000	270	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Hexachloroethane	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Indeno(1,2,3-cd)pyrene	ND		2000	250	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Isophorone	ND		2000	420	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Naphthalene	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Pentachlorophenol	ND		3900	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Phenanthrene	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Phenol	ND		2000	300	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10
Pyrene	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 12:55	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1800000*	*T J B*	*ug/Kg*	☼	*1.79*		*11/13/14 09:30*	*11/18/14 12:55*	*10*
n-Decane	*2600*	*	*ug/Kg*	☼	*5.93*	*124-18-5*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
Undecane	*3900*	*T J N*	*ug/Kg*	☼	*6.83*	*1120-21-4*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
Tridecane	*3700*	*T J N*	*ug/Kg*	☼	*8.34*	*629-50-5*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
Tetradecane	*3300*	*T J N*	*ug/Kg*	☼	*9.00*	*629-59-4*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
Hexadecane	*3700*		*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
Heptadecane	*3800*	*T J N*	*ug/Kg*	☼	*10.72*	*629-78-7*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
n-Octadecane	*2600*		*ug/Kg*	☼	*11.18*	*593-45-3*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
Nonadecane	*2300*	*T J N*	*ug/Kg*	☼	*11.60*	*629-92-5*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
Eicosane	*1900*	*T J N*	*ug/Kg*	☼	*11.98*	*112-95-8*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
Heneicosane	*1700*	*T J N*	*ug/Kg*	☼	*12.33*	*629-94-7*	*11/13/14 09:30*	*11/18/14 12:55*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*39 - 146*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
2-Fluorobiphenyl	*87*		*37 - 120*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
2-Fluorophenol	*80*		*18 - 120*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
Nitrobenzene-d5	*70*		*34 - 132*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
Phenol-d5	*77*		*11 - 120*	*11/13/14 09:30*	*11/18/14 12:55*	*10*
p-Terphenyl-d14	*93*		*65 - 153*	*11/13/14 09:30*	*11/18/14 12:55*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**24200**		10.8	4.7	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Antimony	**0.79**	**J**	16.2	0.43	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Arsenic	**2.7**		2.2	0.43	mg/Kg	☼	11/12/14 12:36	11/14/14 21:54	1
Barium	**232**		0.54	0.12	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Beryllium	**5.2**		0.22	0.030	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Cadmium	ND		0.22	0.032	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Calcium	**94500**	**B**	53.9	3.6	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Chromium	**11.9**		0.54	0.22	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Cobalt	**8.7**		0.54	0.054	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Copper	**12.7**		1.1	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-8-12
Date Collected: 11/10/14 12:25
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-3
Matrix: Solid
Percent Solids: 85.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	12900		10.8	1.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Lead	18.8		1.1	0.26	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Magnesium	11500		21.6	1.0	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Manganese	1260		0.22	0.035	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Nickel	31.4		5.4	0.25	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Potassium	2460		32.4	21.6	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Selenium	0.74	J	4.3	0.43	mg/Kg	☼	11/12/14 12:36	11/14/14 21:54	1
Silver	ND		0.65	0.22	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Sodium	576		151	14.0	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Thallium	ND		6.5	0.32	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Vanadium	9.6		0.54	0.12	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1
Zinc	29.6	B	2.2	0.17	mg/Kg	☼	11/12/14 12:36	11/14/14 00:12	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.023	0.0093	mg/Kg	☼	11/12/14 13:30	11/12/14 15:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.2	0.56	mg/Kg	☼	11/17/14 11:20	11/17/14 13:29	1
Cyanide, Free	ND		2.5	0.13	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.046	0.041	mg/Kg	☼	11/17/14 12:05	11/19/14 15:07	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-12-16
Date Collected: 11/10/14 12:30
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-4
Matrix: Solid
Percent Solids: 82.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		200	55	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
2,4,6-Trichlorophenol	ND		200	41	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
2,4-Dichlorophenol	ND		200	22	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
2,4-Dimethylphenol	ND		200	49	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
2,4-Dinitrophenol	ND		390	120	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
2,4-Dinitrotoluene	ND		200	42	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
2-Chloronaphthalene	ND		200	34	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
2-Chlorophenol	ND		200	37	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
2-Methylnaphthalene	ND		200	41	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
2-Methylphenol	ND		200	24	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
2-Nitroaniline	ND		390	30	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
2-Nitrophenol	ND		200	57	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
3,3'-Dichlorobenzidine	ND		390	240	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
3-Nitroaniline	ND		390	56	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
4,6-Dinitro-2-methylphenol	ND		390	200	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
4-Bromophenyl phenyl ether	ND		200	29	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
4-Chloro-3-methylphenol	ND		200	50	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
4-Chloroaniline	ND		200	50	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
4-Methylphenol	ND		390	24	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
4-Nitroaniline	ND		390	110	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
4-Nitrophenol	ND		390	140	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Acenaphthene	ND		200	30	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Acenaphthylene	ND		200	26	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Acetophenone	ND		200	28	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Anthracene	ND		200	50	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Atrazine	ND		200	71	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Benzaldehyde	ND		200	160	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Benzo(a)anthracene	ND		200	20	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Benzo(a)pyrene	ND		200	30	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Benzo(b)fluoranthene	ND		200	32	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Benzo(g,h,i)perylene	ND		200	22	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Benzo(k)fluoranthene	ND		200	26	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Biphenyl	ND		200	30	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Bis(2-chloroethoxy)methane	ND		200	43	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Bis(2-ethylhexyl) phthalate	ND		200	69	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Butyl benzyl phthalate	ND		200	34	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Caprolactam	ND		200	61	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Carbazole	ND		200	24	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Chrysene	ND		200	45	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Dibenz(a,h)anthracene	ND		200	36	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Dibenzofuran	ND		200	24	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Dimethyl phthalate	ND		200	24	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Di-n-butyl phthalate	ND		200	35	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1

Client Sample ID: SB-01-1114-12-16
Date Collected: 11/10/14 12:30
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-4
Matrix: Solid
Percent Solids: 82.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		200	22	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Fluorene	ND		200	24	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Hexachlorobenzene	ND		200	28	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Hexachlorocyclopentadiene	ND		200	28	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Hexachloroethane	ND		200	26	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Indeno(1,2,3-cd)pyrene	ND		200	25	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Isophorone	ND		200	43	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Naphthalene	ND		200	26	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Nitrobenzene	ND		200	23	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
N-Nitrosodi-n-propylamine	ND		200	35	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
N-Nitrosodiphenylamine	ND		200	170	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Pentachlorophenol	ND		390	200	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Phenanthrene	ND		200	30	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Phenol	ND		200	31	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1
Pyrene	ND		200	24	ug/Kg	☼	11/13/14 09:30	11/18/14 13:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*33000*	*T J B*	*ug/Kg*	☼	*1.81*		*11/13/14 09:30*	*11/18/14 13:18*	*1*
Unknown	*220000*	*T J B*	*ug/Kg*	☼	*1.85*		*11/13/14 09:30*	*11/18/14 13:18*	*1*
Unknown	*1600*	*T J B*	*ug/Kg*	☼	*2.28*		*11/13/14 09:30*	*11/18/14 13:18*	*1*
Unknown	*1400*	*T J B*	*ug/Kg*	☼	*2.44*		*11/13/14 09:30*	*11/18/14 13:18*	*1*
Unknown	*2000*	*T J B*	*ug/Kg*	☼	*4.18*		*11/13/14 09:30*	*11/18/14 13:18*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*10.05*		*11/13/14 09:30*	*11/18/14 13:18*	*1*
Hexadecane	*170*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
Heptadecane	*230*	*T J N*	*ug/Kg*	☼	*10.72*	*629-78-7*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
n-Octadecane	*220*		*ug/Kg*	☼	*11.18*	*593-45-3*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
Nonadecane	*210*	*T J N*	*ug/Kg*	☼	*11.60*	*629-92-5*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
Tricosane	*210*	*T J N*	*ug/Kg*	☼	*12.96*	*638-67-5*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
Tetracosane	*300*	*T J N*	*ug/Kg*	☼	*13.26*	*646-31-1*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
Pentacosane	*320*	*T J N*	*ug/Kg*	☼	*13.55*	*629-99-2*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
Docosane	*300*	*T J N*	*ug/Kg*	☼	*13.82*	*629-97-0*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
Heptacosane	*320*	*T J N*	*ug/Kg*	☼	*14.09*	*593-49-7*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
Pentacosane	*240*	*T J N*	*ug/Kg*	☼	*14.36*	*629-99-2*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
Nonadecane	*240*	*T J N*	*ug/Kg*	☼	*14.64*	*629-92-5*	*11/13/14 09:30*	*11/18/14 13:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*42*		*39 - 146*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
2-Fluorobiphenyl	*84*		*37 - 120*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
2-Fluorophenol	*67*		*18 - 120*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
Nitrobenzene-d5	*73*		*34 - 132*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
Phenol-d5	*81*		*11 - 120*	*11/13/14 09:30*	*11/18/14 13:18*	*1*
p-Terphenyl-d14	*95*		*65 - 153*	*11/13/14 09:30*	*11/18/14 13:18*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16400**		11.3	5.0	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Antimony	ND		17.0	0.45	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Arsenic	**4.7**		2.3	0.45	mg/Kg	☼	11/12/14 12:36	11/14/14 21:57	1
Barium	**39.3**		0.57	0.12	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-12-16
Date Collected: 11/10/14 12:30
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-4
Matrix: Solid
Percent Solids: 82.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.80		0.23	0.032	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Cadmium	0.15	J	0.23	0.034	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Calcium	64700	B	56.7	3.7	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Chromium	25.7		0.57	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Cobalt	14.8		0.57	0.057	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Copper	27.8		1.1	0.24	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Iron	26600		11.3	1.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Lead	33.2		1.1	0.27	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Magnesium	6360		22.7	1.1	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Manganese	578		0.23	0.036	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Nickel	52.0		5.7	0.26	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Potassium	5140		34.0	22.7	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Selenium	ND		4.5	0.45	mg/Kg	☼	11/12/14 12:36	11/14/14 21:57	1
Silver	ND		0.68	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Sodium	249		159	14.7	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Thallium	ND		6.8	0.34	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Vanadium	23.6		0.57	0.12	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1
Zinc	54.9	B	2.3	0.17	mg/Kg	☼	11/12/14 12:36	11/14/14 00:15	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.014	J	0.023	0.0095	mg/Kg	☼	11/12/14 13:30	11/12/14 15:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.2	0.57	mg/Kg	☼	11/17/14 11:20	11/17/14 13:30	1
Cyanide, Free	ND		2.6	0.13	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.048	0.043	mg/Kg	☼	11/17/14 12:05	11/19/14 15:08	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-16-20
Date Collected: 11/10/14 12:30
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-5
Matrix: Solid
Percent Solids: 47.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		360	98	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
2,4,6-Trichlorophenol	ND		360	72	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
2,4-Dichlorophenol	ND		360	38	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
2,4-Dimethylphenol	ND		360	87	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
2,4-Dinitrophenol	ND		700	220	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
2,4-Dinitrotoluene	ND		360	74	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
2,6-Dinitrotoluene	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
2-Chloronaphthalene	ND		360	59	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
2-Chlorophenol	ND		360	66	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
2-Methylnaphthalene	ND		360	72	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
2-Methylphenol	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
2-Nitroaniline	ND		700	53	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
2-Nitrophenol	ND		360	100	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
3,3'-Dichlorobenzidine	ND		700	420	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
3-Nitroaniline	ND		700	100	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
4,6-Dinitro-2-methylphenol	ND		700	360	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
4-Bromophenyl phenyl ether	ND		360	51	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
4-Chloro-3-methylphenol	ND		360	89	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
4-Chloroaniline	ND		360	89	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
4-Chlorophenyl phenyl ether	ND		360	45	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
4-Methylphenol	ND		700	42	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
4-Nitroaniline	ND		700	190	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
4-Nitrophenol	ND		700	250	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Acenaphthene	ND		360	53	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Acenaphthylene	ND		360	47	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Acetophenone	ND		360	49	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Anthracene	ND		360	89	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Atrazine	ND		360	130	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Benzaldehyde	ND		360	290	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Benzo(a)anthracene	ND		360	36	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Benzo(a)pyrene	**160**	**J**	360	53	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Benzo(b)fluoranthene	**240**	**J**	360	57	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Benzo(g,h,i)perylene	ND		360	38	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Benzo(k)fluoranthene	ND		360	47	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Biphenyl	ND		360	53	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
bis (2-chloroisopropyl) ether	ND		360	72	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Bis(2-chloroethoxy)methane	ND		360	76	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Bis(2-chloroethyl)ether	ND		360	47	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Bis(2-ethylhexyl) phthalate	ND		360	120	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Butyl benzyl phthalate	ND		360	59	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Caprolactam	ND		360	110	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Carbazole	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Chrysene	ND		360	81	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Dibenz(a,h)anthracene	ND		360	64	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Dibenzofuran	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Diethyl phthalate	ND		360	47	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Dimethyl phthalate	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Di-n-butyl phthalate	ND		360	62	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Di-n-octyl phthalate	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-16-20
Date Collected: 11/10/14 12:30
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-5
Matrix: Solid
Percent Solids: 47.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		360	38	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Fluorene	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Hexachlorobenzene	ND		360	49	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Hexachlorobutadiene	ND		360	53	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Hexachlorocyclopentadiene	ND		360	49	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Hexachloroethane	ND		360	47	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Indeno(1,2,3-cd)pyrene	ND		360	45	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Isophorone	ND		360	76	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Naphthalene	ND		360	47	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Nitrobenzene	ND		360	40	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
N-Nitrosodi-n-propylamine	ND		360	62	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
N-Nitrosodiphenylamine	ND		360	290	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Pentachlorophenol	ND		700	360	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Phenanthrene	ND		360	53	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Phenol	ND		360	55	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1
Pyrene	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 13:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*130000*	*T J B*	*ug/Kg*	☼	*1.81*		*11/13/14 09:30*	*11/18/14 13:42*	*1*
Unknown	*380000*	*T J B*	*ug/Kg*	☼	*1.85*		*11/13/14 09:30*	*11/18/14 13:42*	*1*
Unknown	*2800*	*T J B*	*ug/Kg*	☼	*2.28*		*11/13/14 09:30*	*11/18/14 13:42*	*1*
Unknown	*2800*	*T J B*	*ug/Kg*	☼	*2.45*		*11/13/14 09:30*	*11/18/14 13:42*	*1*
Unknown	*4300*	*T J B*	*ug/Kg*	☼	*4.19*		*11/13/14 09:30*	*11/18/14 13:42*	*1*
Hexadecane	*77*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 13:42*	*1*
Unknown	*890*	*T J*	*ug/Kg*	☼	*10.21*		*11/13/14 09:30*	*11/18/14 13:42*	*1*
9-Octadecenamide, (Z)-	*360*	*T J N*	*ug/Kg*	☼	*13.18*	*301-02-0*	*11/13/14 09:30*	*11/18/14 13:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*19*	*X*	*39 - 146*	*11/13/14 09:30*	*11/18/14 13:42*	*1*
2-Fluorobiphenyl	*80*		*37 - 120*	*11/13/14 09:30*	*11/18/14 13:42*	*1*
2-Fluorophenol	*28*		*18 - 120*	*11/13/14 09:30*	*11/18/14 13:42*	*1*
Nitrobenzene-d5	*65*		*34 - 132*	*11/13/14 09:30*	*11/18/14 13:42*	*1*
Phenol-d5	*63*		*11 - 120*	*11/13/14 09:30*	*11/18/14 13:42*	*1*
p-Terphenyl-d14	*90*		*65 - 153*	*11/13/14 09:30*	*11/18/14 13:42*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**29400**		21.2	9.3	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Antimony	**2.4**	**J**	31.8	0.85	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Arsenic	**92.0**		4.2	0.85	mg/Kg	☼	11/12/14 12:36	11/14/14 22:00	1
Barium	**197**		1.1	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Beryllium	**3.4**		0.42	0.059	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Cadmium	**5.3**		0.42	0.064	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Calcium	**181000**	**B**	106	7.0	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Chromium	**65.1**		1.1	0.42	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Cobalt	**18.0**		1.1	0.11	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Copper	**50.1**		2.1	0.44	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Iron	**22700**		21.2	2.3	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Lead	**228**		2.1	0.51	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Magnesium	**4950**		42.3	2.0	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-16-20
Date Collected: 11/10/14 12:30
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-5
Matrix: Solid
Percent Solids: 47.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	262		0.42	0.068	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Nickel	45.0		10.6	0.49	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Potassium	20900		63.5	42.3	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Selenium	6.7	J	8.5	0.85	mg/Kg	☼	11/12/14 12:36	11/14/14 22:00	1
Silver	2.3		1.3	0.42	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Sodium	1140		296	27.5	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Thallium	11.1	J	12.7	0.64	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Vanadium	58.5		1.1	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1
Zinc	849	B	4.2	0.32	mg/Kg	☼	11/12/14 12:36	11/14/14 00:18	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.096		0.040	0.016	mg/Kg	☼	11/12/14 13:30	11/12/14 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	17.6		2.1	1.0	mg/Kg	☼	11/17/14 11:20	11/17/14 13:33	1
Cyanide, Free	ND		4.4	0.22	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	0.29		0.085	0.077	mg/Kg	☼	11/17/14 12:05	11/19/14 15:10	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-0-4
Date Collected: 11/10/14 12:50
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-6
Matrix: Solid
Percent Solids: 86.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2000	530	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
2,4,6-Trichlorophenol	ND		2000	390	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
2,4-Dimethylphenol	ND		2000	470	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
2,4-Dinitrophenol	ND		3800	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
2,4-Dinitrotoluene	ND		2000	400	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
2,6-Dinitrotoluene	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
2-Chloronaphthalene	ND		2000	320	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
2-Chlorophenol	ND		2000	360	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
2-Methylnaphthalene	ND		2000	390	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
2-Methylphenol	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
2-Nitroaniline	ND		3800	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
2-Nitrophenol	ND		2000	550	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
3,3'-Dichlorobenzidine	ND		3800	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
3-Nitroaniline	ND		3800	540	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
4,6-Dinitro-2-methylphenol	ND		3800	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
4-Chloro-3-methylphenol	ND		2000	480	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
4-Chloroaniline	ND		2000	480	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
4-Chlorophenyl phenyl ether	ND		2000	240	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
4-Methylphenol	ND		3800	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
4-Nitroaniline	ND		3800	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
4-Nitrophenol	ND		3800	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Acenaphthene	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Acenaphthylene	ND		2000	250	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Acetophenone	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Anthracene	ND		2000	480	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Atrazine	ND		2000	680	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Benzo(a)anthracene	ND		2000	200	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Benzo(a)pyrene	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Benzo(b)fluoranthene	ND		2000	310	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Benzo(g,h,i)perylene	ND		2000	210	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Benzo(k)fluoranthene	ND		2000	250	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Biphenyl	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
bis (2-chloroisopropyl) ether	ND		2000	390	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Bis(2-chloroethoxy)methane	ND		2000	410	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Bis(2-chloroethyl)ether	ND		2000	250	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Bis(2-ethylhexyl) phthalate	ND		2000	670	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Butyl benzyl phthalate	ND		2000	320	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Caprolactam	ND		2000	590	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Carbazole	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Chrysene	ND		2000	440	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Dibenz(a,h)anthracene	ND		2000	350	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Dibenzofuran	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Diethyl phthalate	ND		2000	250	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Dimethyl phthalate	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Di-n-butyl phthalate	ND		2000	330	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Di-n-octyl phthalate	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-0-4
Date Collected: 11/10/14 12:50
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-6
Matrix: Solid
Percent Solids: 86.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		2000	210	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Fluorene	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Hexachlorobenzene	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Hexachlorocyclopentadiene	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Hexachloroethane	ND		2000	250	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Indeno(1,2,3-cd)pyrene	ND		2000	240	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Isophorone	ND		2000	410	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Naphthalene	ND		2000	250	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
N-Nitrosodi-n-propylamine	ND		2000	330	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Pentachlorophenol	ND		3800	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Phenanthrene	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Phenol	ND		2000	300	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10
Pyrene	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:06	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Hexadecane	*1000*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 14:06*	*10*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*11/13/14 09:30*	*11/18/14 14:06*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*39 - 146*	*11/13/14 09:30*	*11/18/14 14:06*	*10*
2-Fluorobiphenyl	*92*		*37 - 120*	*11/13/14 09:30*	*11/18/14 14:06*	*10*
2-Fluorophenol	*84*		*18 - 120*	*11/13/14 09:30*	*11/18/14 14:06*	*10*
Nitrobenzene-d5	*75*		*34 - 132*	*11/13/14 09:30*	*11/18/14 14:06*	*10*
Phenol-d5	*85*		*11 - 120*	*11/13/14 09:30*	*11/18/14 14:06*	*10*
p-Terphenyl-d14	*102*		*65 - 153*	*11/13/14 09:30*	*11/18/14 14:06*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14500**		11.1	4.9	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Antimony	ND		16.6	0.44	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Arsenic	**5.5**		2.2	0.44	mg/Kg	☼	11/12/14 12:36	11/14/14 22:03	1
Barium	**25.3**		0.55	0.12	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Beryllium	**0.65**		0.22	0.031	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Cadmium	**0.15**	**J**	0.22	0.033	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Calcium	**79100**	**B**	55.4	3.7	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Chromium	**26.3**		0.55	0.22	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Cobalt	**15.1**		0.55	0.055	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Copper	**29.8**		1.1	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Iron	**31100**		11.1	1.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Lead	**69.5**		1.1	0.27	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Magnesium	**11300**		22.1	1.0	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Manganese	**426**		0.22	0.035	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Nickel	**56.9**		5.5	0.25	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Potassium	**2850**		33.2	22.1	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Selenium	ND		4.4	0.44	mg/Kg	☼	11/12/14 12:36	11/14/14 22:03	1
Silver	ND		0.66	0.22	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Sodium	**157**		155	14.4	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-0-4
Date Collected: 11/10/14 12:50
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-6
Matrix: Solid
Percent Solids: 86.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		6.6	0.33	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Vanadium	**20.4**		0.55	0.12	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1
Zinc	**88.2**	**B**	2.2	0.17	mg/Kg	☼	11/12/14 12:36	11/14/14 00:21	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.0096**	**J**	0.022	0.0088	mg/Kg	☼	11/12/14 13:30	11/12/14 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.99**	**J**	1.2	0.56	mg/Kg	☼	11/17/14 11:20	11/17/14 13:36	1
Cyanide, Free	ND		2.4	0.12	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.046	0.042	mg/Kg	☼	11/17/14 12:05	11/19/14 15:11	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-4-8
Date Collected: 11/10/14 12:55
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-7
Matrix: Solid
Percent Solids: 84.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2000	540	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
2,4-Dimethylphenol	ND		2000	480	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
2,4-Dinitrophenol	ND		3900	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
2,6-Dinitrotoluene	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
2-Chlorophenol	ND		2000	360	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
2-Methylphenol	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
2-Nitroaniline	ND		3900	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
2-Nitrophenol	ND		2000	560	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
3,3'-Dichlorobenzidine	ND		3900	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
3-Nitroaniline	ND		3900	550	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
4,6-Dinitro-2-methylphenol	ND		3900	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
4-Chloro-3-methylphenol	ND		2000	490	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
4-Chloroaniline	ND		2000	490	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
4-Chlorophenyl phenyl ether	ND		2000	250	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
4-Methylphenol	ND		3900	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
4-Nitroaniline	ND		3900	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
4-Nitrophenol	ND		3900	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Acenaphthene	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Acenaphthylene	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Acetophenone	ND		2000	270	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Anthracene	ND		2000	490	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Atrazine	ND		2000	690	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Benzo(a)anthracene	ND		2000	200	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Benzo(a)pyrene	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Benzo(b)fluoranthene	ND		2000	320	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Benzo(g,h,i)perylene	ND		2000	210	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Benzo(k)fluoranthene	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Biphenyl	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Bis(2-chloroethoxy)methane	ND		2000	420	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Bis(2-ethylhexyl) phthalate	ND		2000	680	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Caprolactam	ND		2000	600	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Carbazole	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Chrysene	ND		2000	440	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Dibenz(a,h)anthracene	ND		2000	350	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Dibenzofuran	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Diethyl phthalate	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Dimethyl phthalate	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Di-n-octyl phthalate	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-4-8
Date Collected: 11/10/14 12:55
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-7
Matrix: Solid
Percent Solids: 84.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		2000	210	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Fluorene	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Hexachlorobenzene	ND		2000	270	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Hexachloroethane	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Indeno(1,2,3-cd)pyrene	ND		2000	250	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Isophorone	ND		2000	420	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Naphthalene	ND		2000	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Pentachlorophenol	ND		3900	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Phenanthrene	ND		2000	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Phenol	ND		2000	300	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10
Pyrene	ND		2000	230	ug/Kg	☼	11/13/14 09:30	11/18/14 14:29	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Hexadecane	*580*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 14:29*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*63*		*39 - 146*	*11/13/14 09:30*	*11/18/14 14:29*	*10*
2-Fluorobiphenyl	*82*		*37 - 120*	*11/13/14 09:30*	*11/18/14 14:29*	*10*
2-Fluorophenol	*73*		*18 - 120*	*11/13/14 09:30*	*11/18/14 14:29*	*10*
Nitrobenzene-d5	*71*		*34 - 132*	*11/13/14 09:30*	*11/18/14 14:29*	*10*
Phenol-d5	*76*		*11 - 120*	*11/13/14 09:30*	*11/18/14 14:29*	*10*
p-Terphenyl-d14	*93*		*65 - 153*	*11/13/14 09:30*	*11/18/14 14:29*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**17800**		11.7	5.1	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Antimony	ND		17.5	0.47	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Arsenic	**5.8**		2.3	0.47	mg/Kg	☼	11/12/14 12:36	11/14/14 22:06	1
Barium	**56.0**		0.58	0.13	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Beryllium	**1.2**		0.23	0.033	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Cadmium	**0.11**	**J**	0.23	0.035	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Calcium	**44300**	**B**	58.5	3.9	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Chromium	**26.4**		0.58	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Cobalt	**15.9**		0.58	0.058	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Copper	**26.9**		1.2	0.25	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Iron	**29600**		11.7	1.3	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Lead	**26.3**		1.2	0.28	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Magnesium	**10700**		23.4	1.1	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Manganese	**617**		0.23	0.037	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Nickel	**58.2**		5.8	0.27	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Potassium	**3800**		35.1	23.4	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Selenium	**0.72**	**J**	4.7	0.47	mg/Kg	☼	11/12/14 12:36	11/14/14 22:06	1
Silver	ND		0.70	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Sodium	**229**		164	15.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Thallium	ND		7.0	0.35	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-4-8
Date Collected: 11/10/14 12:55
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-7
Matrix: Solid
Percent Solids: 84.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	21.7		0.58	0.13	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1
Zinc	63.8	B	2.3	0.18	mg/Kg	☼	11/12/14 12:36	11/14/14 00:24	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.013	J	0.022	0.0090	mg/Kg	☼	11/12/14 13:30	11/12/14 15:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.2	0.56	mg/Kg	☼	11/17/14 11:20	11/17/14 13:37	1
Cyanide, Free	ND		2.5	0.12	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.047	0.043	mg/Kg	☼	11/17/14 12:05	11/19/14 15:13	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-8-12
Date Collected: 11/10/14 13:05
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-8
Matrix: Solid
Percent Solids: 73.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2200	610	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
2,4,6-Trichlorophenol	ND		2200	450	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
2,4-Dichlorophenol	ND		2200	240	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
2,4-Dimethylphenol	ND		2200	540	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
2,4-Dinitrophenol	ND		4400	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
2,4-Dinitrotoluene	ND		2200	460	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
2,6-Dinitrotoluene	ND		2200	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
2-Chloronaphthalene	ND		2200	370	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
2-Chlorophenol	ND		2200	410	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
2-Methylnaphthalene	ND		2200	450	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
2-Methylphenol	ND		2200	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
2-Nitroaniline	ND		4400	330	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
2-Nitrophenol	ND		2200	630	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
3,3'-Dichlorobenzidine	ND		4400	2600	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
3-Nitroaniline	ND		4400	620	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
4,6-Dinitro-2-methylphenol	ND		4400	2200	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
4-Bromophenyl phenyl ether	ND		2200	320	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
4-Chloro-3-methylphenol	ND		2200	550	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
4-Chloroaniline	ND		2200	550	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
4-Chlorophenyl phenyl ether	ND		2200	280	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
4-Methylphenol	ND		4400	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
4-Nitroaniline	ND		4400	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
4-Nitrophenol	ND		4400	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Acenaphthene	ND		2200	330	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Acenaphthylene	ND		2200	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Acetophenone	ND		2200	300	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Anthracene	ND		2200	550	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Atrazine	ND		2200	780	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Benzaldehyde	ND		2200	1800	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Benzo(a)anthracene	**580**	**J**	2200	220	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Benzo(a)pyrene	**1200**	**J**	2200	330	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Benzo(b)fluoranthene	**1900**	**J**	2200	360	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Benzo(g,h,i)perylene	ND		2200	240	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Benzo(k)fluoranthene	**290**	**J**	2200	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Biphenyl	ND		2200	330	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
bis (2-chloroisopropyl) ether	ND		2200	450	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Bis(2-chloroethoxy)methane	ND		2200	480	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Bis(2-chloroethyl)ether	ND		2200	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Bis(2-ethylhexyl) phthalate	ND		2200	770	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Butyl benzyl phthalate	ND		2200	370	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Caprolactam	ND		2200	670	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Carbazole	ND		2200	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Chrysene	**740**	**J**	2200	500	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Dibenz(a,h)anthracene	ND		2200	400	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Dibenzofuran	ND		2200	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Diethyl phthalate	ND		2200	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Dimethyl phthalate	ND		2200	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Di-n-butyl phthalate	ND		2200	380	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Di-n-octyl phthalate	ND		2200	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10

Client Sample ID: SB-02-1114-8-12
Date Collected: 11/10/14 13:05
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-8
Matrix: Solid
Percent Solids: 73.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		2200	240	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Fluorene	ND		2200	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Hexachlorobenzene	ND		2200	300	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Hexachlorobutadiene	ND		2200	330	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Hexachlorocyclopentadiene	ND		2200	300	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Hexachloroethane	ND		2200	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Indeno(1,2,3-cd)pyrene	**1900**	**J**	2200	280	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Isophorone	ND		2200	480	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Naphthalene	ND		2200	290	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Nitrobenzene	ND		2200	250	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
N-Nitrosodi-n-propylamine	ND		2200	380	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
N-Nitrosodiphenylamine	ND		2200	1800	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Pentachlorophenol	ND		4400	2200	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Phenanthrene	ND		2200	330	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Phenol	ND		2200	340	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10
Pyrene	ND		2200	260	ug/Kg	☼	11/13/14 09:30	11/18/14 14:53	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*440000*	*T J B*	*ug/Kg*	☼	*1.72*		*11/13/14 09:30*	*11/18/14 14:53*	*10*
Unknown	*3700*	*T J B*	*ug/Kg*	☼	*2.46*		*11/13/14 09:30*	*11/18/14 14:53*	*10*
Hexadecane	*830*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 14:53*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*48*		*39 - 146*	*11/13/14 09:30*	*11/18/14 14:53*	*10*
2-Fluorobiphenyl	*87*		*37 - 120*	*11/13/14 09:30*	*11/18/14 14:53*	*10*
2-Fluorophenol	*81*		*18 - 120*	*11/13/14 09:30*	*11/18/14 14:53*	*10*
Nitrobenzene-d5	*74*		*34 - 132*	*11/13/14 09:30*	*11/18/14 14:53*	*10*
Phenol-d5	*86*		*11 - 120*	*11/13/14 09:30*	*11/18/14 14:53*	*10*
p-Terphenyl-d14	*100*		*65 - 153*	*11/13/14 09:30*	*11/18/14 14:53*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**17500**		14.0	6.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Antimony	ND		21.0	0.56	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Arsenic	**4.8**		2.8	0.56	mg/Kg	☼	11/12/14 12:36	11/14/14 22:20	1
Barium	**65.7**		0.70	0.15	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Beryllium	**1.3**		0.28	0.039	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Cadmium	ND		0.28	0.042	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Calcium	**70100**	**B**	70.1	4.6	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Chromium	**25.3**		0.70	0.28	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Cobalt	**16.0**		0.70	0.070	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Copper	**25.2**		1.4	0.29	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Iron	**28900**		14.0	1.5	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Lead	**31.7**		1.4	0.34	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Magnesium	**10200**		28.0	1.3	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Manganese	**893**		0.28	0.045	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Nickel	**58.3**		7.0	0.32	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Potassium	**3980**		42.1	28.0	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Selenium	ND		5.6	0.56	mg/Kg	☼	11/12/14 12:36	11/14/14 22:20	1
Silver	ND		0.84	0.28	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-8-12
Date Collected: 11/10/14 13:05
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-8
Matrix: Solid
Percent Solids: 73.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**259**		196	18.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Thallium	ND		8.4	0.42	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Vanadium	**19.6**		0.70	0.15	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1
Zinc	**45.8**	**B**	2.8	0.21	mg/Kg	☼	11/12/14 12:36	11/14/14 00:27	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.028	0.011	mg/Kg	☼	11/12/14 13:30	11/12/14 15:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.3	0.63	mg/Kg	☼	11/17/14 11:20	11/17/14 13:39	1
Cyanide, Free	ND		2.8	0.14	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.054	0.048	mg/Kg	☼	11/17/14 12:05	11/19/14 15:14	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-12-16
Date Collected: 11/10/14 13:10
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-9
Matrix: Solid
Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		200	53	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
2,4,6-Trichlorophenol	ND		200	40	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
2,4-Dichlorophenol	ND		200	21	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
2,4-Dimethylphenol	ND		200	48	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
2,4-Dinitrophenol	ND		380	120	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
2,4-Dinitrotoluene	ND		200	41	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
2,6-Dinitrotoluene	ND		200	23	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
2-Chloronaphthalene	ND		200	33	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
2-Chlorophenol	ND		200	36	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
2-Methylnaphthalene	ND		200	40	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
2-Methylphenol	ND		200	23	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
2-Nitroaniline	ND		380	29	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
2-Nitrophenol	ND		200	56	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
3,3'-Dichlorobenzidine	ND		380	230	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
3-Nitroaniline	ND		380	55	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
4,6-Dinitro-2-methylphenol	ND		380	200	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
4-Bromophenyl phenyl ether	ND		200	28	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
4-Chloro-3-methylphenol	ND		200	49	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
4-Chloroaniline	ND		200	49	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
4-Chlorophenyl phenyl ether	ND		200	24	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
4-Methylphenol	ND		380	23	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
4-Nitroaniline	ND		380	100	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
4-Nitrophenol	ND		380	140	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Acenaphthene	ND		200	29	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Acenaphthylene	ND		200	26	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Acetophenone	ND		200	27	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Anthracene	ND		200	49	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Atrazine	ND		200	69	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Benzaldehyde	ND		200	160	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Benzo(a)anthracene	ND		200	20	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Benzo(a)pyrene	**87**	**J**	200	29	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Benzo(b)fluoranthene	**140**	**J**	200	31	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Benzo(g,h,i)perylene	ND		200	21	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Benzo(k)fluoranthene	ND		200	26	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Biphenyl	ND		200	29	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Bis(2-chloroethoxy)methane	ND		200	42	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Bis(2-ethylhexyl) phthalate	ND		200	67	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Butyl benzyl phthalate	ND		200	33	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Caprolactam	ND		200	59	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Carbazole	ND		200	23	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Chrysene	ND		200	44	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Dibenz(a,h)anthracene	ND		200	35	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Dibenzofuran	ND		200	23	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Dimethyl phthalate	ND		200	23	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Di-n-butyl phthalate	ND		200	34	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Di-n-octyl phthalate	ND		200	23	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-12-16
Date Collected: 11/10/14 13:10
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-9
Matrix: Solid
Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		200	21	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Fluorene	ND		200	23	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Hexachlorobenzene	ND		200	27	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Hexachlorocyclopentadiene	ND		200	27	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Hexachloroethane	ND		200	26	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Indeno(1,2,3-cd)pyrene	ND		200	24	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Isophorone	ND		200	42	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Naphthalene	ND		200	26	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Nitrobenzene	ND		200	22	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
N-Nitrosodi-n-propylamine	ND		200	34	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
N-Nitrosodiphenylamine	ND		200	160	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Pentachlorophenol	ND		380	200	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Phenanthrene	ND		200	29	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Phenol	**260**		200	30	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1
Pyrene	ND		200	23	ug/Kg	☼	11/13/14 09:30	11/18/14 15:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*47000*	*T J B*	*ug/Kg*	☼	*1.70*		*11/13/14 09:30*	*11/18/14 15:17*	*1*
Unknown	*19000*	*T J B*	*ug/Kg*	☼	*1.76*		*11/13/14 09:30*	*11/18/14 15:17*	*1*
Unknown	*66000*	*T J B*	*ug/Kg*	☼	*1.81*		*11/13/14 09:30*	*11/18/14 15:17*	*1*
Unknown	*210000*	*T J B*	*ug/Kg*	☼	*1.85*		*11/13/14 09:30*	*11/18/14 15:17*	*1*
Unknown	*2400*	*T J B*	*ug/Kg*	☼	*2.44*		*11/13/14 09:30*	*11/18/14 15:17*	*1*
n-Decane	*160*	*J **	*ug/Kg*	☼	*5.93*	*124-18-5*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
Undecane	*290*	*T J N*	*ug/Kg*	☼	*6.83*	*1120-21-4*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
Tridecane	*320*	*T J N*	*ug/Kg*	☼	*8.34*	*629-50-5*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
Tetradecane	*270*	*T J N*	*ug/Kg*	☼	*9.01*	*629-59-4*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*9.96*		*11/13/14 09:30*	*11/18/14 15:17*	*1*
Hexadecane	*310*		*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
Heptadecane	*350*	*T J N*	*ug/Kg*	☼	*10.72*	*629-78-7*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
n-Octadecane	*240*		*ug/Kg*	☼	*11.18*	*593-45-3*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
Nonadecane	*220*	*T J N*	*ug/Kg*	☼	*11.59*	*629-92-5*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
Eicosane	*180*	*T J N*	*ug/Kg*	☼	*11.98*	*112-95-8*	*11/13/14 09:30*	*11/18/14 15:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*39 - 146*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
2-Fluorobiphenyl	*82*		*37 - 120*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
2-Fluorophenol	*80*		*18 - 120*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
Nitrobenzene-d5	*73*		*34 - 132*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
Phenol-d5	*80*		*11 - 120*	*11/13/14 09:30*	*11/18/14 15:17*	*1*
p-Terphenyl-d14	*88*		*65 - 153*	*11/13/14 09:30*	*11/18/14 15:17*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12900**		11.0	4.9	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Antimony	ND		16.6	0.44	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Arsenic	**5.0**		2.2	0.44	mg/Kg	☼	11/12/14 12:36	11/14/14 22:23	1
Barium	**21.9**		0.55	0.12	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Beryllium	**0.62**		0.22	0.031	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Cadmium	**0.061**	**J**	0.22	0.033	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-12-16
Date Collected: 11/10/14 13:10
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-9
Matrix: Solid
Percent Solids: 85.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	35500	B	55.2	3.6	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Chromium	21.9		0.55	0.22	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Cobalt	13.7		0.55	0.055	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Copper	22.4		1.1	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Iron	27100		11.0	1.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Lead	22.2		1.1	0.26	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Magnesium	6650		22.1	1.0	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Manganese	373		0.22	0.035	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Nickel	48.9		5.5	0.25	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Potassium	3890		33.1	22.1	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Selenium	ND		4.4	0.44	mg/Kg	☼	11/12/14 12:36	11/14/14 22:23	1
Silver	ND		0.66	0.22	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Sodium	159		155	14.3	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Thallium	ND		6.6	0.33	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Vanadium	18.1		0.55	0.12	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1
Zinc	46.0	B	2.2	0.17	mg/Kg	☼	11/12/14 12:36	11/14/14 00:30	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.022	0.0091	mg/Kg	☼	11/12/14 13:30	11/12/14 15:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.4		1.1	0.55	mg/Kg	☼	11/17/14 11:20	11/17/14 13:40	1
Cyanide, Free	ND		2.5	0.12	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.046	0.042	mg/Kg	☼	11/17/14 12:05	11/19/14 15:16	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-16-20
Date Collected: 11/10/14 13:15
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-10
Matrix: Solid
Percent Solids: 40.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		420	110	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
2,4,6-Trichlorophenol	ND		420	85	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
2,4-Dichlorophenol	ND		420	45	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
2,4-Dimethylphenol	ND		420	100	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
2,4-Dinitrophenol	ND		820	250	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
2,4-Dinitrotoluene	ND		420	87	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
2,6-Dinitrotoluene	ND		420	50	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
2-Chloronaphthalene	ND		420	70	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
2-Chlorophenol	ND		420	77	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
2-Methylnaphthalene	ND		420	85	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
2-Methylphenol	ND		420	50	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
2-Nitroaniline	ND		820	62	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
2-Nitrophenol	ND		420	120	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
3,3'-Dichlorobenzidine	ND		820	500	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
3-Nitroaniline	ND		820	120	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
4,6-Dinitro-2-methylphenol	ND		820	420	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
4-Bromophenyl phenyl ether	ND		420	60	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
4-Chloro-3-methylphenol	ND		420	100	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
4-Chloroaniline	ND		420	100	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
4-Chlorophenyl phenyl ether	ND		420	52	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
4-Methylphenol	ND		820	50	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
4-Nitroaniline	ND		820	220	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
4-Nitrophenol	ND		820	300	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Acenaphthene	ND		420	62	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Acenaphthylene	ND		420	55	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Acetophenone	ND		420	57	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Anthracene	ND		420	100	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Atrazine	ND		420	150	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Benzaldehyde	ND		420	340	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Benzo(a)anthracene	ND		420	42	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Benzo(a)pyrene	ND		420	62	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Benzo(b)fluoranthene	ND		420	67	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Benzo(g,h,i)perylene	ND		420	45	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Benzo(k)fluoranthene	ND		420	55	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Biphenyl	ND		420	62	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
bis (2-chloroisopropyl) ether	ND		420	85	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Bis(2-chloroethoxy)methane	ND		420	90	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Bis(2-chloroethyl)ether	ND		420	55	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Bis(2-ethylhexyl) phthalate	ND		420	140	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Butyl benzyl phthalate	ND		420	70	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Caprolactam	ND		420	130	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Carbazole	ND		420	50	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Chrysene	ND		420	95	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Dibenz(a,h)anthracene	ND		420	75	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Dibenzofuran	ND		420	50	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Diethyl phthalate	ND		420	55	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Dimethyl phthalate	ND		420	50	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Di-n-butyl phthalate	ND		420	72	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Di-n-octyl phthalate	ND		420	50	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1

Client Sample ID: SB-02-1114-16-20
Date Collected: 11/10/14 13:15
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-10
Matrix: Solid
Percent Solids: 40.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		420	45	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Fluorene	ND		420	50	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Hexachlorobenzene	ND		420	57	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Hexachlorobutadiene	ND		420	62	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Hexachlorocyclopentadiene	ND		420	57	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Hexachloroethane	ND		420	55	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Indeno(1,2,3-cd)pyrene	ND		420	52	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Isophorone	ND		420	90	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Naphthalene	ND		420	55	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Nitrobenzene	ND		420	47	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
N-Nitrosodi-n-propylamine	ND		420	72	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
N-Nitrosodiphenylamine	ND		420	340	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Pentachlorophenol	ND		820	420	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Phenanthrene	ND		420	62	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Phenol	ND		420	65	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1
Pyrene	ND		420	50	ug/Kg	☼	11/13/14 09:30	11/18/14 15:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*48000*	*T J B*	*ug/Kg*	☼	*1.75*		*11/13/14 09:30*	*11/18/14 15:40*	*1*
Unknown	*49000*	*T J B*	*ug/Kg*	☼	*1.81*		*11/13/14 09:30*	*11/18/14 15:40*	*1*
Unknown	*6100*	*T J B*	*ug/Kg*	☼	*2.28*		*11/13/14 09:30*	*11/18/14 15:40*	*1*
Unknown	*6200*	*T J B*	*ug/Kg*	☼	*2.44*		*11/13/14 09:30*	*11/18/14 15:40*	*1*
Hexadecane	*72*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 15:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*26*	*X*	*39 - 146*	*11/13/14 09:30*	*11/18/14 15:40*	*1*
2-Fluorobiphenyl	*81*		*37 - 120*	*11/13/14 09:30*	*11/18/14 15:40*	*1*
2-Fluorophenol	*37*		*18 - 120*	*11/13/14 09:30*	*11/18/14 15:40*	*1*
Nitrobenzene-d5	*74*		*34 - 132*	*11/13/14 09:30*	*11/18/14 15:40*	*1*
Phenol-d5	*74*		*11 - 120*	*11/13/14 09:30*	*11/18/14 15:40*	*1*
p-Terphenyl-d14	*88*		*65 - 153*	*11/13/14 09:30*	*11/18/14 15:40*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**22100**		24.0	10.6	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Antimony	**1.7**	**J**	36.1	0.96	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Arsenic	**51.9**		4.8	0.96	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Barium	**168**		1.2	0.26	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Beryllium	**2.9**		0.48	0.067	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Cadmium	**4.3**		0.48	0.072	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Calcium	**148000**	**B**	120	7.9	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Chromium	**50.0**		1.2	0.48	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Cobalt	**12.6**		1.2	0.12	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Copper	**39.7**		2.4	0.50	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Iron	**17600**	**^**	24.0	2.6	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Lead	**192**		2.4	0.58	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Magnesium	**4640**		48.1	2.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Manganese	**208**		0.48	0.077	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Nickel	**33.0**		12.0	0.55	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Potassium	**18700**		72.1	48.1	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-16-20
Date Collected: 11/10/14 13:15
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-10
Matrix: Solid
Percent Solids: 40.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	4.3	J	9.6	0.96	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Silver	2.0		1.4	0.48	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Sodium	906		337	31.3	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Thallium	8.4	J	14.4	0.72	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Vanadium	30.6		1.2	0.26	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1
Zinc	678	B	4.8	0.37	mg/Kg	☼	11/12/14 12:36	11/14/14 00:41	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.088		0.049	0.020	mg/Kg	☼	11/12/14 13:30	11/12/14 15:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	7.8		2.4	1.2	mg/Kg	☼	11/22/14 11:02	11/24/14 12:58	1
Cyanide, Free	ND		5.1	0.26	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.10	0.090	mg/Kg	☼	11/17/14 12:05	11/19/14 15:17	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-03-1114-0-4
Date Collected: 11/10/14 12:37
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-11
Matrix: Solid
Percent Solids: 78.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2200	580	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
2,4,6-Trichlorophenol	ND		2200	430	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
2,4-Dichlorophenol	ND		2200	230	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
2,4-Dimethylphenol	ND		2200	520	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
2,4-Dinitrophenol	ND		4200	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
2,4-Dinitrotoluene	ND		2200	440	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
2,6-Dinitrotoluene	ND		2200	250	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
2-Chloronaphthalene	ND		2200	360	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
2-Chlorophenol	ND		2200	390	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
2-Methylnaphthalene	ND		2200	430	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
2-Methylphenol	ND		2200	250	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
2-Nitroaniline	ND		4200	320	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
2-Nitrophenol	ND		2200	610	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
3,3'-Dichlorobenzidine	ND		4200	2500	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
3-Nitroaniline	ND		4200	600	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
4,6-Dinitro-2-methylphenol	ND		4200	2200	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
4-Bromophenyl phenyl ether	ND		2200	300	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
4-Chloro-3-methylphenol	ND		2200	530	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
4-Chloroaniline	ND		2200	530	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
4-Chlorophenyl phenyl ether	ND		2200	270	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
4-Methylphenol	ND		4200	250	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
4-Nitroaniline	ND		4200	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
4-Nitrophenol	ND		4200	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Acenaphthene	ND		2200	320	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Acenaphthylene	ND		2200	280	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Acetophenone	ND		2200	290	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Anthracene	ND		2200	530	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Atrazine	ND		2200	750	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Benzaldehyde	ND		2200	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Benzo(a)anthracene	**240**	**J**	2200	220	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Benzo(a)pyrene	**1200**	**J**	2200	320	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Benzo(b)fluoranthene	**1600**	**J**	2200	340	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Benzo(g,h,i)perylene	ND		2200	230	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Benzo(k)fluoranthene	ND		2200	280	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Biphenyl	ND		2200	320	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
bis (2-chloroisopropyl) ether	ND		2200	430	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Bis(2-chloroethoxy)methane	ND		2200	460	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Bis(2-chloroethyl)ether	ND		2200	280	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Bis(2-ethylhexyl) phthalate	ND		2200	740	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Butyl benzyl phthalate	ND		2200	360	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Caprolactam	ND		2200	650	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Carbazole	ND		2200	250	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Chrysene	ND		2200	480	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Dibenz(a,h)anthracene	ND		2200	380	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Dibenzofuran	ND		2200	250	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Diethyl phthalate	ND		2200	280	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Dimethyl phthalate	ND		2200	250	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Di-n-butyl phthalate	ND		2200	370	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Di-n-octyl phthalate	ND		2200	250	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-03-1114-0-4
Date Collected: 11/10/14 12:37
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-11
Matrix: Solid
Percent Solids: 78.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**310**	**J**	2200	230	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Fluorene	ND		2200	250	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Hexachlorobenzene	ND		2200	290	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Hexachlorobutadiene	ND		2200	320	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Hexachlorocyclopentadiene	ND		2200	290	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Hexachloroethane	ND		2200	280	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Indeno(1,2,3-cd)pyrene	**1800**	**J**	2200	270	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Isophorone	ND		2200	460	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Naphthalene	ND		2200	280	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Nitrobenzene	ND		2200	240	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
N-Nitrosodi-n-propylamine	ND		2200	370	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
N-Nitrosodiphenylamine	ND		2200	1800	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Pentachlorophenol	ND		4200	2200	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Phenanthrene	**330**	**J**	2200	320	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Phenol	ND		2200	330	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10
Pyrene	**320**	**J**	2200	250	ug/Kg	☼	11/13/14 09:30	11/18/14 16:04	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*710000*	*T J B*	*ug/Kg*	☼	*1.74*		*11/13/14 09:30*	*11/18/14 16:04*	*10*
Unknown	*2500*	*T J B*	*ug/Kg*	☼	*2.29*		*11/13/14 09:30*	*11/18/14 16:04*	*10*
Unknown	*3800*	*T J B*	*ug/Kg*	☼	*2.46*		*11/13/14 09:30*	*11/18/14 16:04*	*10*
Hexadecane	*220*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 16:04*	*10*
28-Nor-17.beta.(H)-hopane	*4300*	*T J N*	*ug/Kg*	☼	*15.44*	*36728-72-0*	*11/13/14 09:30*	*11/18/14 16:04*	*10*
Unknown	*2500*	*T J*	*ug/Kg*	☼	*15.75*		*11/13/14 09:30*	*11/18/14 16:04*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*54*		*39 - 146*	*11/13/14 09:30*	*11/18/14 16:04*	*10*
2-Fluorobiphenyl	*83*		*37 - 120*	*11/13/14 09:30*	*11/18/14 16:04*	*10*
2-Fluorophenol	*73*		*18 - 120*	*11/13/14 09:30*	*11/18/14 16:04*	*10*
Nitrobenzene-d5	*72*		*34 - 132*	*11/13/14 09:30*	*11/18/14 16:04*	*10*
Phenol-d5	*76*		*11 - 120*	*11/13/14 09:30*	*11/18/14 16:04*	*10*
p-Terphenyl-d14	*89*		*65 - 153*	*11/13/14 09:30*	*11/18/14 16:04*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7820**		12.4	5.5	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Antimony	**2.0**	**J**	18.6	0.50	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Arsenic	**17.6**		2.5	0.50	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Barium	**101**		0.62	0.14	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Beryllium	**1.8**		0.25	0.035	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Cadmium	**9.1**		0.25	0.037	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Calcium	**34100**	**B**	62.2	4.1	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Chromium	**163**		3.1	1.2	mg/Kg	☼	11/12/14 12:36	11/17/14 10:43	5
Cobalt	**10.1**		0.62	0.062	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Copper	**238**		1.2	0.26	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Iron	**224000**		62.2	6.8	mg/Kg	☼	11/12/14 12:36	11/17/14 10:43	5
Lead	**5110**		6.2	1.5	mg/Kg	☼	11/12/14 12:36	11/17/14 10:43	5
Magnesium	**8450**		24.9	1.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Manganese	**3310**		0.25	0.040	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Nickel	**88.8**		6.2	0.29	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-03-1114-0-4
Date Collected: 11/10/14 12:37
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-11
Matrix: Solid
Percent Solids: 78.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1730		37.3	24.9	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Selenium	2.6	J	5.0	0.50	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Silver	6.5		3.7	1.2	mg/Kg	☼	11/12/14 12:36	11/17/14 10:43	5
Sodium	191		174	16.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Thallium	4.9	J	7.5	0.37	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Vanadium	27.9		0.62	0.14	mg/Kg	☼	11/12/14 12:36	11/14/14 00:44	1
Zinc	5790	^ B	12.4	0.95	mg/Kg	☼	11/12/14 12:36	11/17/14 10:43	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.10		0.024	0.0096	mg/Kg	☼	11/12/14 13:30	11/12/14 15:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	38.8		1.3	0.61	mg/Kg	☼	11/19/14 11:26	11/20/14 12:12	1
Cyanide, Free	ND		2.7	0.14	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.051	0.046	mg/Kg	☼	11/17/14 12:09	11/19/14 15:26	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-03-1114-4-8
Date Collected: 11/10/14 12:45
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-12
Matrix: Solid
Percent Solids: 79.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2100	570	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
2,4,6-Trichlorophenol	ND		2100	420	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
2,4-Dimethylphenol	ND		2100	510	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
2,4-Dinitrophenol	ND		4100	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
2,4-Dinitrotoluene	ND		2100	430	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
2,6-Dinitrotoluene	ND		2100	250	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
2-Chloronaphthalene	ND		2100	350	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
2-Chlorophenol	ND		2100	380	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
2-Methylnaphthalene	ND		2100	420	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
2-Methylphenol	ND		2100	250	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
2-Nitroaniline	ND		4100	310	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
2-Nitrophenol	ND		2100	590	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
3,3'-Dichlorobenzidine	ND		4100	2500	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
3-Nitroaniline	ND		4100	580	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
4,6-Dinitro-2-methylphenol	ND		4100	2100	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
4-Bromophenyl phenyl ether	ND		2100	300	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
4-Chloro-3-methylphenol	ND		2100	520	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
4-Chloroaniline	ND		2100	520	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
4-Methylphenol	ND		4100	250	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
4-Nitroaniline	ND		4100	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
4-Nitrophenol	ND		4100	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Acenaphthene	ND		2100	310	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Acenaphthylene	ND		2100	270	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Acetophenone	ND		2100	280	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Anthracene	ND		2100	520	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Atrazine	ND		2100	730	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Benzaldehyde	ND		2100	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Benzo(a)anthracene	**260**	**J**	2100	210	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Benzo(a)pyrene	**1100**	**J**	2100	310	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Benzo(b)fluoranthene	**1600**	**J**	2100	330	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Benzo(g,h,i)perylene	**240**	**J**	2100	220	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Benzo(k)fluoranthene	ND		2100	270	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Biphenyl	ND		2100	310	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
bis (2-chloroisopropyl) ether	ND		2100	420	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Bis(2-chloroethoxy)methane	ND		2100	440	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Bis(2-ethylhexyl) phthalate	ND		2100	720	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Butyl benzyl phthalate	ND		2100	350	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Caprolactam	ND		2100	630	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Carbazole	ND		2100	250	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Chrysene	ND		2100	470	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Dibenz(a,h)anthracene	ND		2100	370	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Dibenzofuran	ND		2100	250	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Diethyl phthalate	ND		2100	270	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Dimethyl phthalate	ND		2100	250	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Di-n-butyl phthalate	ND		2100	360	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Di-n-octyl phthalate	ND		2100	250	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10

Client Sample ID: SB-03-1114-4-8
Date Collected: 11/10/14 12:45
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-12
Matrix: Solid
Percent Solids: 79.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**420**	**J**	2100	220	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Fluorene	ND		2100	250	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Hexachlorobenzene	ND		2100	280	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Hexachlorocyclopentadiene	ND		2100	280	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Hexachloroethane	ND		2100	270	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Indeno(1,2,3-cd)pyrene	**1800**	**J**	2100	260	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Isophorone	ND		2100	440	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Naphthalene	ND		2100	270	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Nitrobenzene	ND		2100	230	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
N-Nitrosodi-n-propylamine	ND		2100	360	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Pentachlorophenol	ND		4100	2100	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Phenanthrene	**340**	**J**	2100	310	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Phenol	ND		2100	320	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10
Pyrene	**350**	**J**	2100	250	ug/Kg	☼	11/13/14 09:30	11/18/14 11:44	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Hexadecane	*200*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 11:44*	*10*
Unknown	*1800*	*T J*	*ug/Kg*	☼	*15.44*		*11/13/14 09:30*	*11/18/14 11:44*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*6*	*X*	*39 - 146*	*11/13/14 09:30*	*11/18/14 11:44*	*10*
2-Fluorobiphenyl	*85*		*37 - 120*	*11/13/14 09:30*	*11/18/14 11:44*	*10*
2-Fluorophenol	*57*		*18 - 120*	*11/13/14 09:30*	*11/18/14 11:44*	*10*
Nitrobenzene-d5	*75*		*34 - 132*	*11/13/14 09:30*	*11/18/14 11:44*	*10*
Phenol-d5	*75*		*11 - 120*	*11/13/14 09:30*	*11/18/14 11:44*	*10*
p-Terphenyl-d14	*93*		*65 - 153*	*11/13/14 09:30*	*11/18/14 11:44*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5940**		11.9	5.2	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Antimony	ND		17.8	0.47	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Arsenic	**11.1**		2.4	0.47	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Barium	**55.6**		0.59	0.13	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Beryllium	**0.82**		0.24	0.033	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Cadmium	**1.6**		0.24	0.036	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Calcium	**58300**	**B**	59.3	3.9	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Chromium	**21.8**		0.59	0.24	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Cobalt	**4.3**		0.59	0.059	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Copper	**45.8**		1.2	0.25	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Iron	**54100**	**^**	11.9	1.3	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Lead	**655**		1.2	0.28	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Magnesium	**7780**		23.7	1.1	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Manganese	**1350**		0.24	0.038	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Nickel	**18.6**		5.9	0.27	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Potassium	**752**		35.6	23.7	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Selenium	**1.8**	**J**	4.7	0.47	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Silver	**0.25**	**J**	0.71	0.24	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Sodium	**122**	**J**	166	15.4	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-03-1114-4-8
Date Collected: 11/10/14 12:45
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-12
Matrix: Solid
Percent Solids: 79.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	1.5	J	7.1	0.36	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Vanadium	15.2		0.59	0.13	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1
Zinc	647	B	2.4	0.18	mg/Kg	☼	11/12/14 12:36	11/14/14 00:59	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.012	J	0.024	0.0098	mg/Kg	☼	11/12/14 13:30	11/12/14 15:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	35.3		1.2	0.60	mg/Kg	☼	11/19/14 11:26	11/20/14 12:15	1
Cyanide, Free	ND		2.7	0.14	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.050	0.045	mg/Kg	☼	11/17/14 12:09	11/19/14 15:31	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-04-1114-0-4
Date Collected: 11/10/14 12:30
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-13
Matrix: Solid
Percent Solids: 59.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5700	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
2,4,6-Trichlorophenol	ND		5700	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
2,4-Dichlorophenol	ND		5700	600	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
2,4-Dimethylphenol	ND		5700	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
2,4-Dinitrophenol	ND		11000	3400	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
2,4-Dinitrotoluene	ND		5700	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
2,6-Dinitrotoluene	ND		5700	670	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
2-Chloronaphthalene	ND		5700	940	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
2-Chlorophenol	ND		5700	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
2-Methylnaphthalene	ND		5700	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
2-Methylphenol	ND		5700	670	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
2-Nitroaniline	ND		11000	840	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
2-Nitrophenol	ND		5700	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
3,3'-Dichlorobenzidine	ND		11000	6700	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
3-Nitroaniline	ND		11000	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
4,6-Dinitro-2-methylphenol	ND		11000	5700	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
4-Bromophenyl phenyl ether	ND		5700	800	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
4-Chloro-3-methylphenol	ND		5700	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
4-Chloroaniline	ND		5700	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
4-Chlorophenyl phenyl ether	ND		5700	700	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
4-Methylphenol	ND		11000	670	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
4-Nitroaniline	ND		11000	3000	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
4-Nitrophenol	ND		11000	4000	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Acenaphthene	ND		5700	840	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Acenaphthylene	ND		5700	740	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Acetophenone	ND		5700	770	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Anthracene	ND		5700	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Atrazine	ND		5700	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Benzaldehyde	ND		5700	4500	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Benzo(a)anthracene	ND		5700	570	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Benzo(a)pyrene	**2600**	**J**	5700	840	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Benzo(b)fluoranthene	**4000**	**J**	5700	900	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Benzo(g,h,i)perylene	ND		5700	600	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Benzo(k)fluoranthene	ND		5700	740	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Biphenyl	ND		5700	840	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
bis (2-chloroisopropyl) ether	ND		5700	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Bis(2-chloroethoxy)methane	ND		5700	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Bis(2-chloroethyl)ether	ND		5700	740	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Bis(2-ethylhexyl) phthalate	ND		5700	1900	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Butyl benzyl phthalate	ND		5700	940	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Caprolactam	ND		5700	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Carbazole	ND		5700	670	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Chrysene	ND		5700	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Dibenz(a,h)anthracene	ND		5700	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Dibenzofuran	ND		5700	670	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Diethyl phthalate	ND		5700	740	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Dimethyl phthalate	ND		5700	670	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Di-n-butyl phthalate	ND		5700	970	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Di-n-octyl phthalate	ND		5700	670	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20

Client Sample ID: SB-04-1114-0-4
Date Collected: 11/10/14 12:30
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-13
Matrix: Solid
Percent Solids: 59.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5700	600	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Fluorene	ND		5700	670	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Hexachlorobenzene	ND		5700	770	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Hexachlorobutadiene	ND		5700	840	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Hexachlorocyclopentadiene	ND		5700	770	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Hexachloroethane	ND		5700	740	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Indeno(1,2,3-cd)pyrene	ND		5700	700	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Isophorone	ND		5700	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Naphthalene	ND		5700	740	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Nitrobenzene	ND		5700	640	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
N-Nitrosodi-n-propylamine	ND		5700	970	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
N-Nitrosodiphenylamine	ND		5700	4600	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Pentachlorophenol	ND		11000	5700	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Phenanthrene	ND		5700	840	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Phenol	ND		5700	870	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20
Pyrene	ND		5700	670	ug/Kg	☼	11/13/14 09:30	11/18/14 16:27	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*94000*	*T J B*	*ug/Kg*	☼	*1.70*		*11/13/14 09:30*	*11/18/14 16:27*	*20*
Unknown	*1900000*	*T J B*	*ug/Kg*	☼	*1.75*		*11/13/14 09:30*	*11/18/14 16:27*	*20*
Hexadecane	*500*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 16:27*	*20*
28-Nor-17.alpha.(H)-hopane	*4600*	*T J N*	*ug/Kg*	☼	*15.44*	*53584-60-4*	*11/13/14 09:30*	*11/18/14 16:27*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*54*		*39 - 146*	*11/13/14 09:30*	*11/18/14 16:27*	*20*
2-Fluorobiphenyl	*95*		*37 - 120*	*11/13/14 09:30*	*11/18/14 16:27*	*20*
2-Fluorophenol	*73*		*18 - 120*	*11/13/14 09:30*	*11/18/14 16:27*	*20*
Nitrobenzene-d5	*73*		*34 - 132*	*11/13/14 09:30*	*11/18/14 16:27*	*20*
Phenol-d5	*78*		*11 - 120*	*11/13/14 09:30*	*11/18/14 16:27*	*20*
p-Terphenyl-d14	*99*		*65 - 153*	*11/13/14 09:30*	*11/18/14 16:27*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15000**		16.6	7.3	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Antimony	ND		24.9	0.66	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Arsenic	**68.6**		3.3	0.66	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Barium	**161**		0.83	0.18	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Beryllium	**2.4**		0.33	0.046	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Cadmium	**2.0**		0.33	0.050	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Calcium	**42300**	**B**	82.9	5.5	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Chromium	**93.5**		4.1	1.7	mg/Kg	☼	11/12/14 12:36	11/17/14 11:06	5
Cobalt	**9.3**		0.83	0.083	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Copper	**73.4**		1.7	0.35	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Iron	**266000**		82.9	9.1	mg/Kg	☼	11/12/14 12:36	11/17/14 11:06	5
Lead	**3220**		8.3	2.0	mg/Kg	☼	11/12/14 12:36	11/17/14 11:06	5
Magnesium	**11400**		166	7.7	mg/Kg	☼	11/12/14 12:36	11/17/14 11:06	5
Manganese	**9410**		1.7	0.27	mg/Kg	☼	11/12/14 12:36	11/17/14 11:06	5
Nickel	**33.5**		8.3	0.38	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Potassium	**4100**		49.8	33.2	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Selenium	**3.6**	**J**	33.2	3.3	mg/Kg	☼	11/12/14 12:36	11/17/14 11:06	5

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-04-1114-0-4
Date Collected: 11/10/14 12:30
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-13
Matrix: Solid
Percent Solids: 59.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	6.4		5.0	1.7	mg/Kg	☼	11/12/14 12:36	11/17/14 11:06	5
Sodium	329		232	21.6	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Thallium	2.7	J	10	0.50	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Vanadium	30.9		0.83	0.18	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1
Zinc	674	B	3.3	0.25	mg/Kg	☼	11/12/14 12:36	11/14/14 01:02	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.024	J	0.033	0.013	mg/Kg	☼	11/12/14 13:30	11/12/14 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	72.2		1.7	0.81	mg/Kg	☼	11/19/14 11:26	11/20/14 12:17	1
Cyanide, Free	ND		3.5	0.17	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.067	0.061	mg/Kg	☼	11/17/14 12:09	11/19/14 15:32	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-04-1114-4-8
Date Collected: 11/10/14 12:45
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-14
Matrix: Solid
Percent Solids: 57.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5900	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
2,4,6-Trichlorophenol	ND		5900	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
2,4-Dichlorophenol	ND		5900	620	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
2,4-Dimethylphenol	ND		5900	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
2,4-Dinitrophenol	ND		11000	3500	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
2,4-Dinitrotoluene	ND		5900	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
2,6-Dinitrotoluene	ND		5900	690	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
2-Chloronaphthalene	ND		5900	970	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
2-Chlorophenol	ND		5900	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
2-Methylnaphthalene	ND		5900	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
2-Methylphenol	ND		5900	690	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
2-Nitroaniline	ND		11000	870	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
2-Nitrophenol	ND		5900	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
3,3'-Dichlorobenzidine	ND		11000	6900	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
3-Nitroaniline	ND		11000	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
4,6-Dinitro-2-methylphenol	ND		11000	5900	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
4-Bromophenyl phenyl ether	ND		5900	830	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
4-Chloro-3-methylphenol	ND		5900	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
4-Chloroaniline	ND		5900	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
4-Chlorophenyl phenyl ether	ND		5900	730	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
4-Methylphenol	ND		11000	690	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
4-Nitroaniline	ND		11000	3100	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
4-Nitrophenol	ND		11000	4100	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Acenaphthene	ND		5900	870	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Acenaphthylene	ND		5900	760	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Acetophenone	ND		5900	800	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Anthracene	ND		5900	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Atrazine	ND		5900	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Benzaldehyde	ND		5900	4700	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Benzo(a)anthracene	ND		5900	590	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Benzo(a)pyrene	**2900**	**J**	5900	870	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Benzo(b)fluoranthene	**4000**	**J**	5900	930	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Benzo(g,h,i)perylene	ND		5900	620	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Benzo(k)fluoranthene	ND		5900	760	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Biphenyl	ND		5900	870	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
bis (2-chloroisopropyl) ether	ND		5900	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Bis(2-chloroethoxy)methane	ND		5900	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Bis(2-chloroethyl)ether	ND		5900	760	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Bis(2-ethylhexyl) phthalate	ND		5900	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Butyl benzyl phthalate	ND		5900	970	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Caprolactam	ND		5900	1800	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Carbazole	ND		5900	690	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Chrysene	ND		5900	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Dibenz(a,h)anthracene	ND		5900	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Dibenzofuran	ND		5900	690	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Diethyl phthalate	ND		5900	760	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Dimethyl phthalate	ND		5900	690	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Di-n-butyl phthalate	ND		5900	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Di-n-octyl phthalate	ND		5900	690	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20

Client Sample ID: SB-04-1114-4-8
Date Collected: 11/10/14 12:45
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-14
Matrix: Solid
Percent Solids: 57.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**780**	**J**	5900	620	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Fluorene	ND		5900	690	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Hexachlorobenzene	ND		5900	800	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Hexachlorobutadiene	ND		5900	870	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Hexachlorocyclopentadiene	ND		5900	800	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Hexachloroethane	ND		5900	760	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Indeno(1,2,3-cd)pyrene	ND		5900	730	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Isophorone	ND		5900	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Naphthalene	ND		5900	760	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Nitrobenzene	ND		5900	660	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
N-Nitrosodi-n-propylamine	ND		5900	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
N-Nitrosodiphenylamine	ND		5900	4800	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Pentachlorophenol	ND		11000	5900	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Phenanthrene	ND		5900	870	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Phenol	ND		5900	900	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20
Pyrene	**890**	**J**	5900	690	ug/Kg	☼	11/13/14 09:30	11/18/14 16:51	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1500000*	*T J B*	*ug/Kg*	☼	*1.74*		*11/13/14 09:30*	*11/18/14 16:51*	*20*
Hexadecane	*1600*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 09:30*	*11/18/14 16:51*	*20*
Heptadecane	*5600*	*T J N*	*ug/Kg*	☼	*10.72*	*629-78-7*	*11/13/14 09:30*	*11/18/14 16:51*	*20*
n-Octadecane	*3500*	*J*	*ug/Kg*	☼	*11.18*	*593-45-3*	*11/13/14 09:30*	*11/18/14 16:51*	*20*
Eicosane	*5800*	*T J N*	*ug/Kg*	☼	*11.98*	*112-95-8*	*11/13/14 09:30*	*11/18/14 16:51*	*20*
Unknown	*9100*	*T J*	*ug/Kg*	☼	*13.92*		*11/13/14 09:30*	*11/18/14 16:51*	*20*
Unknown	*7500*	*T J*	*ug/Kg*	☼	*15.02*		*11/13/14 09:30*	*11/18/14 16:51*	*20*
Unknown	*16000*	*T J*	*ug/Kg*	☼	*15.44*		*11/13/14 09:30*	*11/18/14 16:51*	*20*
Unknown	*11000*	*T J*	*ug/Kg*	☼	*15.75*		*11/13/14 09:30*	*11/18/14 16:51*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*54*		*39 - 146*	*11/13/14 09:30*	*11/18/14 16:51*	*20*
2-Fluorobiphenyl	*86*		*37 - 120*	*11/13/14 09:30*	*11/18/14 16:51*	*20*
2-Fluorophenol	*72*		*18 - 120*	*11/13/14 09:30*	*11/18/14 16:51*	*20*
Nitrobenzene-d5	*70*		*34 - 132*	*11/13/14 09:30*	*11/18/14 16:51*	*20*
Phenol-d5	*78*		*11 - 120*	*11/13/14 09:30*	*11/18/14 16:51*	*20*
p-Terphenyl-d14	*96*		*65 - 153*	*11/13/14 09:30*	*11/18/14 16:51*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**17300**		17.5	7.7	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Antimony	ND		26.2	0.70	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Arsenic	**60.3**		3.5	0.70	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Barium	**240**		0.87	0.19	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Beryllium	**3.2**		0.35	0.049	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Cadmium	**4.2**		0.35	0.052	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Calcium	**68500**	**B**	87.4	5.8	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Chromium	**81.0**		4.4	1.7	mg/Kg	☼	11/12/14 12:36	11/17/14 11:09	5
Cobalt	**15.2**		0.87	0.087	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Copper	**210**		1.7	0.37	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Iron	**279000**		87.4	9.6	mg/Kg	☼	11/12/14 12:36	11/17/14 11:09	5
Lead	**2180**		8.7	2.1	mg/Kg	☼	11/12/14 12:36	11/17/14 11:09	5

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-04-1114-4-8
Date Collected: 11/10/14 12:45
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-14
Matrix: Solid
Percent Solids: 57.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	18100		175	8.1	mg/Kg	☼	11/12/14 12:36	11/17/14 11:09	5
Manganese	10400		1.7	0.28	mg/Kg	☼	11/12/14 12:36	11/17/14 11:09	5
Nickel	133		8.7	0.40	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Potassium	4740		52.4	35.0	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Selenium	5.5	J	35.0	3.5	mg/Kg	☼	11/12/14 12:36	11/17/14 11:09	5
Silver	7.2		5.2	1.7	mg/Kg	☼	11/12/14 12:36	11/17/14 11:09	5
Sodium	287		245	22.7	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Thallium	4.2	J	10.5	0.52	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Vanadium	39.9		0.87	0.19	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1
Zinc	1840	B	3.5	0.27	mg/Kg	☼	11/12/14 12:36	11/14/14 01:17	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.059		0.035	0.014	mg/Kg	☼	11/12/14 13:30	11/12/14 15:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	27.2		1.8	0.85	mg/Kg	☼	11/19/14 11:26	11/20/14 12:18	1
Cyanide, Free	ND		3.8	0.19	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	1.1		0.070	0.063	mg/Kg	☼	11/17/14 12:09	11/19/14 15:34	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-04-1114-8-12
Date Collected: 11/10/14 13:00
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-15
Matrix: Solid
Percent Solids: 47.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		360	97	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
2,4,6-Trichlorophenol	ND		360	71	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
2,4-Dichlorophenol	ND		360	38	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
2,4-Dimethylphenol	ND		360	86	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
2,4-Dinitrophenol	ND		690	210	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
2,4-Dinitrotoluene	ND		360	73	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
2,6-Dinitrotoluene	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
2-Chloronaphthalene	ND		360	59	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
2-Chlorophenol	ND		360	65	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
2-Methylnaphthalene	ND		360	71	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
2-Methylphenol	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
2-Nitroaniline	ND		690	52	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
2-Nitrophenol	ND		360	100	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
3,3'-Dichlorobenzidine	ND		690	420	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
3-Nitroaniline	ND		690	99	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
4,6-Dinitro-2-methylphenol	ND		690	360	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
4-Bromophenyl phenyl ether	ND		360	50	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
4-Chloro-3-methylphenol	ND		360	88	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
4-Chloroaniline	ND		360	88	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
4-Chlorophenyl phenyl ether	ND		360	44	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
4-Methylphenol	ND		690	42	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
4-Nitroaniline	ND		690	190	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
4-Nitrophenol	ND		690	250	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Acenaphthene	ND		360	52	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Acenaphthylene	ND		360	46	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Acetophenone	ND		360	48	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Anthracene	ND		360	88	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Atrazine	ND		360	120	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Benzaldehyde	ND		360	280	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Benzo(a)anthracene	ND		360	36	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Benzo(a)pyrene	ND		360	52	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Benzo(b)fluoranthene	ND		360	57	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Benzo(g,h,i)perylene	ND		360	38	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Benzo(k)fluoranthene	ND		360	46	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Biphenyl	ND		360	52	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
bis (2-chloroisopropyl) ether	ND		360	71	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Bis(2-chloroethoxy)methane	ND		360	76	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Bis(2-chloroethyl)ether	ND		360	46	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Bis(2-ethylhexyl) phthalate	ND		360	120	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Butyl benzyl phthalate	ND		360	59	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Caprolactam	ND		360	110	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Carbazole	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Chrysene	ND		360	80	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Dibenz(a,h)anthracene	ND		360	63	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Dibenzofuran	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Diethyl phthalate	ND		360	46	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Dimethyl phthalate	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Di-n-butyl phthalate	ND		360	61	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Di-n-octyl phthalate	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1

Client Sample ID: SB-04-1114-8-12
Date Collected: 11/10/14 13:00
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-15
Matrix: Solid
Percent Solids: 47.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		360	38	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Fluorene	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Hexachlorobenzene	ND		360	48	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Hexachlorobutadiene	ND		360	52	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Hexachlorocyclopentadiene	ND		360	48	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Hexachloroethane	ND		360	46	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Indeno(1,2,3-cd)pyrene	ND		360	44	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Isophorone	ND		360	76	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Naphthalene	ND		360	46	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Nitrobenzene	ND		360	40	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
N-Nitrosodi-n-propylamine	ND		360	61	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
N-Nitrosodiphenylamine	ND		360	290	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Pentachlorophenol	ND		690	360	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Phenanthrene	ND		360	52	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Phenol	ND		360	55	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1
Pyrene	ND		360	42	ug/Kg	☼	11/13/14 09:30	11/18/14 17:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*110000*	*T J B*	*ug/Kg*	☼	*1.71*		*11/13/14 09:30*	*11/18/14 17:15*	*1*
Unknown	*140000*	*T J B*	*ug/Kg*	☼	*1.77*		*11/13/14 09:30*	*11/18/14 17:15*	*1*
Unknown	*230000*	*T J B*	*ug/Kg*	☼	*1.81*		*11/13/14 09:30*	*11/18/14 17:15*	*1*
Unknown	*420000*	*T J B*	*ug/Kg*	☼	*1.84*		*11/13/14 09:30*	*11/18/14 17:15*	*1*
Unknown	*2800*	*T J B*	*ug/Kg*	☼	*2.28*		*11/13/14 09:30*	*11/18/14 17:15*	*1*
Unknown	*2000*	*T J B*	*ug/Kg*	☼	*2.45*		*11/13/14 09:30*	*11/18/14 17:15*	*1*
Unknown	*25000*	*T J B*	*ug/Kg*	☼	*4.21*		*11/13/14 09:30*	*11/18/14 17:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*9*	*X*	*39 - 146*	*11/13/14 09:30*	*11/18/14 17:15*	*1*
2-Fluorobiphenyl	*60*		*37 - 120*	*11/13/14 09:30*	*11/18/14 17:15*	*1*
2-Fluorophenol	*4*	*X*	*18 - 120*	*11/13/14 09:30*	*11/18/14 17:15*	*1*
Nitrobenzene-d5	*50*		*34 - 132*	*11/13/14 09:30*	*11/18/14 17:15*	*1*
Phenol-d5	*24*		*11 - 120*	*11/13/14 09:30*	*11/18/14 17:15*	*1*
p-Terphenyl-d14	*77*		*65 - 153*	*11/13/14 09:30*	*11/18/14 17:15*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**31700**		21.0	9.3	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Antimony	**2.8**	**J**	31.6	0.84	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Arsenic	**25.1**		4.2	0.84	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Barium	**183**		1.1	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Beryllium	**3.2**		0.42	0.059	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Cadmium	**11.1**		0.42	0.063	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Calcium	**286000**	**B**	526	34.7	mg/Kg	☼	11/12/14 12:36	11/17/14 11:12	5
Chromium	**50.2**		1.1	0.42	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Cobalt	**24.1**		1.1	0.11	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Copper	**67.4**		2.1	0.44	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Iron	**24200**	**^**	21.0	2.3	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Lead	**263**		2.1	0.51	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Magnesium	**4450**		42.1	2.0	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Manganese	**230**		0.42	0.067	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-04-1114-8-12
Date Collected: 11/10/14 13:00
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-15
Matrix: Solid
Percent Solids: 47.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	53.0		10.5	0.48	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Potassium	50300		63.1	42.1	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Selenium	11.3		8.4	0.84	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Silver	5.9		1.3	0.42	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Sodium	2100		295	27.4	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Thallium	3.9	J	12.6	0.63	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Vanadium	71.5		1.1	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1
Zinc	1260	B	4.2	0.32	mg/Kg	☼	11/12/14 12:36	11/14/14 01:20	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.096		0.042	0.017	mg/Kg	☼	11/12/14 13:30	11/12/14 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		2.1	1.0	mg/Kg	☼	11/19/14 11:26	11/20/14 12:20	1
Cyanide, Free	ND		4.5	0.23	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.085	0.077	mg/Kg	☼	11/17/14 12:09	11/19/14 15:35	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-05-1114-0-4
Date Collected: 11/10/14 13:20
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-16
Matrix: Solid
Percent Solids: 88.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		9500	2600	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
2,4,6-Trichlorophenol	ND		9500	1900	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
2,4-Dichlorophenol	ND		9500	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
2,4-Dimethylphenol	ND		9500	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
2,4-Dinitrophenol	ND		18000	5700	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
2,4-Dinitrotoluene	ND		9500	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
2,6-Dinitrotoluene	ND		9500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
2-Chloronaphthalene	ND		9500	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
2-Chlorophenol	ND		9500	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
2-Methylnaphthalene	**3000**	**J**	9500	1900	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
2-Methylphenol	ND		9500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
2-Nitroaniline	ND		18000	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
2-Nitrophenol	ND		9500	2700	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
3,3'-Dichlorobenzidine	ND		18000	11000	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
3-Nitroaniline	ND		18000	2600	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
4,6-Dinitro-2-methylphenol	ND		18000	9500	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
4-Bromophenyl phenyl ether	ND		9500	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
4-Chloro-3-methylphenol	ND		9500	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
4-Chloroaniline	ND		9500	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
4-Chlorophenyl phenyl ether	ND		9500	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
4-Methylphenol	ND		18000	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
4-Nitroaniline	ND		18000	5000	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
4-Nitrophenol	ND		18000	6600	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Acenaphthene	**8800**	**J**	9500	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Acenaphthylene	ND		9500	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Acetophenone	ND		9500	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Anthracene	**14000**		9500	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Atrazine	ND		9500	3300	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Benzaldehyde	ND		9500	7500	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Benzo(a)anthracene	**21000**		9500	950	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Benzo(a)pyrene	**20000**		9500	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Benzo(b)fluoranthene	**27000**		9500	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Benzo(g,h,i)perylene	**12000**		9500	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Benzo(k)fluoranthene	**7400**	**J**	9500	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Biphenyl	ND		9500	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
bis (2-chloroisopropyl) ether	ND		9500	1900	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Bis(2-chloroethoxy)methane	ND		9500	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Bis(2-chloroethyl)ether	ND		9500	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Bis(2-ethylhexyl) phthalate	ND		9500	3200	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Butyl benzyl phthalate	ND		9500	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Caprolactam	ND		9500	2800	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Carbazole	**7600**	**J**	9500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Chrysene	**19000**		9500	2100	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Dibenz(a,h)anthracene	ND		9500	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Dibenzofuran	**7100**	**J**	9500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Diethyl phthalate	ND		9500	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Dimethyl phthalate	ND		9500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Di-n-butyl phthalate	ND		9500	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Di-n-octyl phthalate	ND		9500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50

Client Sample ID: SB-05-1114-0-4
Date Collected: 11/10/14 13:20
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-16
Matrix: Solid
Percent Solids: 88.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**51000**		9500	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Fluorene	**10000**		9500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Hexachlorobenzene	ND		9500	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Hexachlorobutadiene	ND		9500	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Hexachlorocyclopentadiene	ND		9500	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Hexachloroethane	ND		9500	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Indeno(1,2,3-cd)pyrene	**16000**		9500	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Isophorone	ND		9500	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Naphthalene	**13000**		9500	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Nitrobenzene	ND		9500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
N-Nitrosodi-n-propylamine	ND		9500	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
N-Nitrosodiphenylamine	ND		9500	7700	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Pentachlorophenol	ND		18000	9500	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Phenanthrene	**53000**		9500	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Phenol	ND		9500	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50
Pyrene	**39000**		9500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 17:38	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene	*1900*	*J*	*ug/Kg*	☼	*8.55*	*90-12-0*	*11/13/14 09:30*	*11/18/14 17:38*	*50*
Perylene	*9700*	*T J N*	*ug/Kg*	☼	*14.81*	*198-55-0*	*11/13/14 09:30*	*11/18/14 17:38*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*44*		*39 - 146*	*11/13/14 09:30*	*11/18/14 17:38*	*50*
2-Fluorobiphenyl	*90*		*37 - 120*	*11/13/14 09:30*	*11/18/14 17:38*	*50*
2-Fluorophenol	*87*		*18 - 120*	*11/13/14 09:30*	*11/18/14 17:38*	*50*
Nitrobenzene-d5	*70*		*34 - 132*	*11/13/14 09:30*	*11/18/14 17:38*	*50*
Phenol-d5	*83*		*11 - 120*	*11/13/14 09:30*	*11/18/14 17:38*	*50*
p-Terphenyl-d14	*88*		*65 - 153*	*11/13/14 09:30*	*11/18/14 17:38*	*50*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5960**		11.0	4.8	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Antimony	ND		16.5	0.44	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Arsenic	**4.0**		2.2	0.44	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Barium	**54.2**		0.55	0.12	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Beryllium	**0.33**		0.22	0.031	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Cadmium	**0.47**		0.22	0.033	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Calcium	**60800**	**B**	55.1	3.6	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Chromium	**8.6**		0.55	0.22	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Cobalt	**3.8**		0.55	0.055	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Copper	**15.9**		1.1	0.23	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Iron	**8300**	**^**	11.0	1.2	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Lead	**87.8**		1.1	0.26	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Magnesium	**20500**		22.0	1.0	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Manganese	**289**		0.22	0.035	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Nickel	**9.9**		5.5	0.25	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Potassium	**1350**		33.0	22.0	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Selenium	ND		4.4	0.44	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Silver	ND		0.66	0.22	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Sodium	**264**		154	14.3	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-05-1114-0-4
Date Collected: 11/10/14 13:20
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-16
Matrix: Solid
Percent Solids: 88.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		6.6	0.33	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Vanadium	**13.4**		0.55	0.12	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1
Zinc	**90.5**	**B**	2.2	0.17	mg/Kg	☼	11/12/14 12:36	11/14/14 01:23	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.12**		0.023	0.0095	mg/Kg	☼	11/12/14 13:30	11/12/14 15:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.1	0.55	mg/Kg	☼	11/19/14 11:26	11/20/14 12:21	1
Cyanide, Free	ND		2.3	0.12	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.045	0.041	mg/Kg	☼	11/17/14 12:09	11/19/14 15:37	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-05-1114-4-8
Date Collected: 11/10/14 13:35
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-17
Matrix: Solid
Percent Solids: 74.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		11000	3100	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
2,4,6-Trichlorophenol	ND		11000	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
2,4-Dichlorophenol	ND		11000	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
2,4-Dimethylphenol	ND		11000	2800	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
2,4-Dinitrophenol	ND		22000	6800	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
2,4-Dinitrotoluene	ND		11000	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
2,6-Dinitrotoluene	ND		11000	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
2-Chloronaphthalene	ND		11000	1900	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
2-Chlorophenol	ND		11000	2100	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
2-Methylnaphthalene	ND		11000	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
2-Methylphenol	ND		11000	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
2-Nitroaniline	ND		22000	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
2-Nitrophenol	ND		11000	3200	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
3,3'-Dichlorobenzidine	ND		22000	13000	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
3-Nitroaniline	ND		22000	3200	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
4,6-Dinitro-2-methylphenol	ND		22000	11000	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
4-Bromophenyl phenyl ether	ND		11000	1600	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
4-Chloro-3-methylphenol	ND		11000	2800	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
4-Chloroaniline	ND		11000	2800	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
4-Chlorophenyl phenyl ether	ND		11000	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
4-Methylphenol	ND		22000	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
4-Nitroaniline	ND		22000	6000	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
4-Nitrophenol	ND		22000	8000	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Acenaphthene	**2500**	**J**	11000	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Acenaphthylene	ND		11000	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Acetophenone	ND		11000	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Anthracene	**5200**	**J**	11000	2800	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Atrazine	ND		11000	4000	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Benzaldehyde	ND		11000	9100	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Benzo(a)anthracene	**9600**	**J**	11000	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Benzo(a)pyrene	**12000**		11000	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Benzo(b)fluoranthene	**16000**		11000	1800	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Benzo(g,h,i)perylene	**4800**	**J**	11000	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Benzo(k)fluoranthene	**4100**	**J**	11000	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Biphenyl	ND		11000	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
bis (2-chloroisopropyl) ether	ND		11000	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Bis(2-chloroethoxy)methane	ND		11000	2400	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Bis(2-chloroethyl)ether	ND		11000	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Bis(2-ethylhexyl) phthalate	ND		11000	3900	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Butyl benzyl phthalate	ND		11000	1900	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Caprolactam	ND		11000	3400	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Carbazole	**2800**	**J**	11000	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Chrysene	**8400**	**J**	11000	2600	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Dibenz(a,h)anthracene	ND		11000	2000	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Dibenzofuran	**2300**	**J**	11000	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Diethyl phthalate	ND		11000	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Dimethyl phthalate	ND		11000	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Di-n-butyl phthalate	ND		11000	1900	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Di-n-octyl phthalate	ND		11000	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50

Client Sample ID: SB-05-1114-4-8
Date Collected: 11/10/14 13:35
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-17
Matrix: Solid
Percent Solids: 74.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**21000**		11000	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Fluorene	**4100**	**J**	11000	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Hexachlorobenzene	ND		11000	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Hexachlorobutadiene	ND		11000	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Hexachlorocyclopentadiene	ND		11000	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Hexachloroethane	ND		11000	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Indeno(1,2,3-cd)pyrene	**13000**		11000	1400	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Isophorone	ND		11000	2400	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Naphthalene	**3100**	**J**	11000	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Nitrobenzene	ND		11000	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
N-Nitrosodi-n-propylamine	ND		11000	1900	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
N-Nitrosodiphenylamine	ND		11000	9300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Pentachlorophenol	ND		22000	11000	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Phenanthrene	**21000**		11000	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Phenol	ND		11000	1700	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50
Pyrene	**17000**		11000	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:02	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*24000000*	*T J B*	*ug/Kg*	☼	*1.85*		*11/13/14 09:30*	*11/18/14 18:02*	*50*
1,1'-Biphenyl, bis(1-methylethyl)-	*10000*	*T J N*	*ug/Kg*	☼	*12.45*	*69009-90-1*	*11/13/14 09:30*	*11/18/14 18:02*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*25*	*X*	*39 - 146*	*11/13/14 09:30*	*11/18/14 18:02*	*50*
2-Fluorobiphenyl	*75*		*37 - 120*	*11/13/14 09:30*	*11/18/14 18:02*	*50*
2-Fluorophenol	*61*		*18 - 120*	*11/13/14 09:30*	*11/18/14 18:02*	*50*
Nitrobenzene-d5	*47*		*34 - 132*	*11/13/14 09:30*	*11/18/14 18:02*	*50*
Phenol-d5	*36*		*11 - 120*	*11/13/14 09:30*	*11/18/14 18:02*	*50*
p-Terphenyl-d14	*81*		*65 - 153*	*11/13/14 09:30*	*11/18/14 18:02*	*50*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**25200**		12.6	5.6	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Antimony	**1.4**	**J**	19.0	0.51	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Arsenic	**6.4**		2.5	0.51	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Barium	**286**		0.63	0.14	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Beryllium	**0.86**		0.25	0.035	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Cadmium	**1.5**		0.25	0.038	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Calcium	**41000**	**B**	63.2	4.2	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Chromium	**13.8**		0.63	0.25	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Cobalt	**4.8**		0.63	0.063	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Copper	**27.8**		1.3	0.27	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Iron	**9170**	**^**	12.6	1.4	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Lead	**127**		1.3	0.30	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Magnesium	**6490**		25.3	1.2	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Manganese	**177**		0.25	0.040	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Nickel	**12.3**		6.3	0.29	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Potassium	**2210**		37.9	25.3	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Selenium	ND		5.1	0.51	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Silver	**0.75**	**J**	0.76	0.25	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Sodium	**2630**		177	16.4	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-05-1114-4-8
Date Collected: 11/10/14 13:35
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-17
Matrix: Solid
Percent Solids: 74.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		7.6	0.38	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Vanadium	**20.8**		0.63	0.14	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1
Zinc	**175**	**B**	2.5	0.19	mg/Kg	☼	11/12/14 12:36	11/14/14 01:26	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.25**		0.025	0.010	mg/Kg	☼	11/12/14 13:30	11/12/14 15:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.3	0.62	mg/Kg	☼	11/19/14 11:26	11/20/14 12:22	1
Cyanide, Free	ND		2.8	0.14	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	**0.082**		0.052	0.047	mg/Kg	☼	11/17/14 12:09	11/19/14 15:38	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-05-1114-8-12
Date Collected: 11/10/14 13:50
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-18
Matrix: Solid
Percent Solids: 68.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		3.0	0.15	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	**1.3**		0.058	0.053	mg/Kg	☼	11/17/14 12:09	11/19/14 15:40	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-05-1114-12-16
Date Collected: 11/10/14 14:10
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-19
Matrix: Solid
Percent Solids: 37.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4500	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
2,4,6-Trichlorophenol	ND		4500	890	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
2,4-Dichlorophenol	ND		4500	470	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
2,4-Dimethylphenol	ND		4500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
2,4-Dinitrophenol	ND		8600	2700	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
2,4-Dinitrotoluene	ND		4500	920	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
2,6-Dinitrotoluene	ND		4500	520	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
2-Chloronaphthalene	ND		4500	730	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
2-Chlorophenol	ND		4500	810	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
2-Methylnaphthalene	ND		4500	890	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
2-Methylphenol	ND		4500	520	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
2-Nitroaniline	ND		8600	660	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
2-Nitrophenol	ND		4500	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
3,3'-Dichlorobenzidine	ND		8600	5200	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
3-Nitroaniline	ND		8600	1200	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
4,6-Dinitro-2-methylphenol	ND		8600	4500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
4-Bromophenyl phenyl ether	ND		4500	630	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
4-Chloro-3-methylphenol	ND		4500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
4-Chloroaniline	ND		4500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
4-Chlorophenyl phenyl ether	ND		4500	550	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
4-Methylphenol	ND		8600	520	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
4-Nitroaniline	ND		8600	2300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
4-Nitrophenol	ND		8600	3100	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Acenaphthene	ND		4500	660	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Acenaphthylene	ND		4500	580	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Acetophenone	ND		4500	600	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Anthracene	ND		4500	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Atrazine	ND		4500	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Benzaldehyde	ND		4500	3500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Benzo(a)anthracene	**920**	**J**	4500	450	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Benzo(a)pyrene	**2400**	**J**	4500	660	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Benzo(b)fluoranthene	**3400**	**J**	4500	710	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Benzo(g,h,i)perylene	ND		4500	470	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Benzo(k)fluoranthene	ND		4500	580	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Biphenyl	ND		4500	660	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
bis (2-chloroisopropyl) ether	ND		4500	890	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Bis(2-chloroethoxy)methane	ND		4500	940	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Bis(2-chloroethyl)ether	ND		4500	580	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Bis(2-ethylhexyl) phthalate	ND		4500	1500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Butyl benzyl phthalate	ND		4500	730	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Caprolactam	ND		4500	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Carbazole	ND		4500	520	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Chrysene	ND		4500	1000	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Dibenz(a,h)anthracene	ND		4500	790	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Dibenzofuran	ND		4500	520	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Diethyl phthalate	ND		4500	580	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Dimethyl phthalate	ND		4500	520	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Di-n-butyl phthalate	ND		4500	760	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Di-n-octyl phthalate	ND		4500	520	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10

Client Sample ID: SB-05-1114-12-16
Date Collected: 11/10/14 14:10
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-19
Matrix: Solid
Percent Solids: 37.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1700**	**J**	4500	470	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Fluorene	ND		4500	520	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Hexachlorobenzene	ND		4500	600	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Hexachlorobutadiene	ND		4500	660	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Hexachlorocyclopentadiene	ND		4500	600	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Hexachloroethane	ND		4500	580	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Indeno(1,2,3-cd)pyrene	**3800**	**J**	4500	550	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Isophorone	ND		4500	940	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Naphthalene	ND		4500	580	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Nitrobenzene	ND		4500	500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
N-Nitrosodi-n-propylamine	ND		4500	760	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
N-Nitrosodiphenylamine	ND		4500	3600	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Pentachlorophenol	ND		8600	4500	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Phenanthrene	**1900**	**J**	4500	660	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Phenol	ND		4500	680	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10
Pyrene	**1400**	**J**	4500	520	ug/Kg	☼	11/13/14 09:30	11/18/14 18:25	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3600000*	*T J B*	*ug/Kg*	☼	*1.79*		*11/13/14 09:30*	*11/18/14 18:25*	*10*
Unknown	*5400*	*T J B*	*ug/Kg*	☼	*2.29*		*11/13/14 09:30*	*11/18/14 18:25*	*10*
Unknown	*5900*	*T J B*	*ug/Kg*	☼	*2.46*		*11/13/14 09:30*	*11/18/14 18:25*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*32*	*X*	*39 - 146*	*11/13/14 09:30*	*11/18/14 18:25*	*10*
2-Fluorobiphenyl	*80*		*37 - 120*	*11/13/14 09:30*	*11/18/14 18:25*	*10*
2-Fluorophenol	*61*		*18 - 120*	*11/13/14 09:30*	*11/18/14 18:25*	*10*
Nitrobenzene-d5	*67*		*34 - 132*	*11/13/14 09:30*	*11/18/14 18:25*	*10*
Phenol-d5	*77*		*11 - 120*	*11/13/14 09:30*	*11/18/14 18:25*	*10*
p-Terphenyl-d14	*97*		*65 - 153*	*11/13/14 09:30*	*11/18/14 18:25*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**31000**		26.9	11.8	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Antimony	**3.0**	**J**	40.4	1.1	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Arsenic	**54.5**		5.4	1.1	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Barium	**159**		1.3	0.30	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Beryllium	**2.8**		0.54	0.075	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Cadmium	**3.8**		0.54	0.081	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Calcium	**233000**	**B**	135	8.9	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Chromium	**56.6**		1.3	0.54	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Cobalt	**24.7**		1.3	0.13	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Copper	**52.4**		2.7	0.56	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Iron	**18400**	**^**	26.9	3.0	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Lead	**230**		2.7	0.65	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Magnesium	**6210**		53.8	2.5	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Manganese	**285**		0.54	0.086	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Nickel	**41.0**		13.5	0.62	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Potassium	**22900**		80.7	53.8	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Selenium	**3.8**	**J**	10.8	1.1	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Silver	**2.1**		1.6	0.54	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-05-1114-12-16
Date Collected: 11/10/14 14:10
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-19
Matrix: Solid
Percent Solids: 37.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1260		377	35.0	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Thallium	5.9	J	16.1	0.81	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Vanadium	52.2		1.3	0.30	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1
Zinc	965	B	5.4	0.41	mg/Kg	☼	11/12/14 12:36	11/14/14 01:29	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.023	J	0.055	0.022	mg/Kg	☼	11/12/14 13:30	11/12/14 16:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.4	J	2.6	1.2	mg/Kg	☼	11/19/14 11:26	11/20/14 12:27	1
Cyanide, Free	ND		5.5	0.28	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.10	0.094	mg/Kg	☼	11/17/14 12:09	11/19/14 15:41	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-05-1114-16-20
Date Collected: 11/10/14 14:20
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-20
Matrix: Solid
Percent Solids: 72.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1100	310	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
2,4,6-Trichlorophenol	ND		1100	230	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
2,4-Dichlorophenol	ND		1100	120	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
2,4-Dimethylphenol	ND		1100	280	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
2,4-Dinitrophenol	ND		2200	690	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
2,4-Dinitrotoluene	ND		1100	240	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
2,6-Dinitrotoluene	ND		1100	130	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
2-Chloronaphthalene	ND		1100	190	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
2-Chlorophenol	ND		1100	210	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
2-Methylnaphthalene	ND		1100	230	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
2-Methylphenol	ND		1100	130	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
2-Nitroaniline	ND		2200	170	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
2-Nitrophenol	ND		1100	320	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
3,3'-Dichlorobenzidine	ND		2200	1300	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
3-Nitroaniline	ND		2200	320	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
4,6-Dinitro-2-methylphenol	ND		2200	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
4-Bromophenyl phenyl ether	ND		1100	160	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
4-Chloro-3-methylphenol	ND		1100	280	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
4-Chloroaniline	ND		1100	280	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
4-Chlorophenyl phenyl ether	ND		1100	140	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
4-Methylphenol	ND		2200	130	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
4-Nitroaniline	ND		2200	600	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
4-Nitrophenol	ND		2200	800	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Acenaphthene	ND		1100	170	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Acenaphthylene	ND		1100	150	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Acetophenone	ND		1100	160	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Anthracene	ND		1100	280	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Atrazine	ND		1100	400	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Benzaldehyde	ND		1100	910	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Benzo(a)anthracene	ND		1100	110	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Benzo(a)pyrene	ND		1100	170	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Benzo(b)fluoranthene	ND		1100	180	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Benzo(g,h,i)perylene	ND		1100	120	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Benzo(k)fluoranthene	ND		1100	150	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Biphenyl	ND		1100	170	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
bis (2-chloroisopropyl) ether	ND		1100	230	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Bis(2-chloroethoxy)methane	ND		1100	240	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Bis(2-chloroethyl)ether	ND		1100	150	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Bis(2-ethylhexyl) phthalate	ND		1100	390	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Butyl benzyl phthalate	ND		1100	190	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Caprolactam	ND		1100	340	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Carbazole	ND		1100	130	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Chrysene	ND		1100	260	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Dibenz(a,h)anthracene	ND		1100	200	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Dibenzofuran	ND		1100	130	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Diethyl phthalate	ND		1100	150	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Dimethyl phthalate	ND		1100	130	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Di-n-butyl phthalate	ND		1100	200	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Di-n-octyl phthalate	ND		1100	130	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5

Client Sample ID: SB-05-1114-16-20
Date Collected: 11/10/14 14:20
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-20
Matrix: Solid
Percent Solids: 72.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		1100	120	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Fluorene	ND		1100	130	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Hexachlorobenzene	ND		1100	160	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Hexachlorobutadiene	ND		1100	170	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Hexachlorocyclopentadiene	ND		1100	160	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Hexachloroethane	ND		1100	150	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Indeno(1,2,3-cd)pyrene	ND		1100	140	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Isophorone	ND		1100	240	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Naphthalene	ND		1100	150	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Nitrobenzene	ND		1100	130	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
N-Nitrosodi-n-propylamine	ND		1100	200	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
N-Nitrosodiphenylamine	ND		1100	930	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Pentachlorophenol	ND		2200	1100	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Phenanthrene	ND		1100	170	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Phenol	ND		1100	180	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5
Pyrene	ND		1100	130	ug/Kg	☼	11/13/14 09:30	11/18/14 18:49	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2600*	*T J B*	*ug/Kg*	☼	*2.30*		*11/13/14 09:30*	*11/18/14 18:49*	*5*
Unknown	*2800*	*T J B*	*ug/Kg*	☼	*2.46*		*11/13/14 09:30*	*11/18/14 18:49*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*39 - 146*	*11/13/14 09:30*	*11/18/14 18:49*	*5*
2-Fluorobiphenyl	*78*		*37 - 120*	*11/13/14 09:30*	*11/18/14 18:49*	*5*
2-Fluorophenol	*70*		*18 - 120*	*11/13/14 09:30*	*11/18/14 18:49*	*5*
Nitrobenzene-d5	*66*		*34 - 132*	*11/13/14 09:30*	*11/18/14 18:49*	*5*
Phenol-d5	*74*		*11 - 120*	*11/13/14 09:30*	*11/18/14 18:49*	*5*
p-Terphenyl-d14	*89*		*65 - 153*	*11/13/14 09:30*	*11/18/14 18:49*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**17200**		13.2	5.8	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Antimony	ND		19.9	0.53	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Arsenic	**3.8**		2.6	0.53	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Barium	**96.2**		0.66	0.15	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Beryllium	**0.75**		0.26	0.037	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Cadmium	**0.18**	**J**	0.26	0.040	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Calcium	**37700**	**B**	66.2	4.4	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Chromium	**24.7**		0.66	0.26	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Cobalt	**16.0**		0.66	0.066	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Copper	**38.4**		1.3	0.28	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Iron	**26700**	**^**	13.2	1.5	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Lead	**17.0**		1.3	0.32	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Magnesium	**16200**		26.5	1.2	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Manganese	**551**		0.26	0.042	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Nickel	**41.4**		6.6	0.30	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Potassium	**2630**		39.7	26.5	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Selenium	**0.56**	**J**	5.3	0.53	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Silver	ND		0.79	0.26	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Sodium	**252**		185	17.2	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-05-1114-16-20
Date Collected: 11/10/14 14:20
Date Received: 11/10/14 15:45

Lab Sample ID: 480-71154-20
Matrix: Solid
Percent Solids: 72.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		7.9	0.40	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Vanadium	29.6		0.66	0.15	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1
Zinc	79.0	B	2.6	0.20	mg/Kg	☼	11/12/14 12:36	11/14/14 01:31	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.028	0.011	mg/Kg	☼	11/12/14 13:30	11/12/14 16:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.3	0.64	mg/Kg	☼	11/19/14 11:26	11/20/14 12:28	1
Cyanide, Free	ND		2.9	0.15	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.055	0.050	mg/Kg	☼	11/17/14 12:09	11/19/14 15:43	1

Client Sample ID: SB-01-1114-0-4

Lab Sample ID: 480-71154-1

Date Collected: 11/10/14 12:12

Matrix: Solid

Date Received: 11/10/14 15:45

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214607	11/18/14 12:07	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 00:06	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214278	11/14/14 21:46	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214278	11/14/14 21:49	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214627	11/17/14 10:40	TRB	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:03	LRK	TAL BUF
Total/NA	Prep	9012B			214481	11/17/14 11:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	214501	11/17/14 13:23	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125397	11/17/14 12:05	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:01	CAK	TAL PIT

Client Sample ID: SB-01-1114-4-8

Lab Sample ID: 480-71154-2

Date Collected: 11/10/14 12:12

Matrix: Solid

Date Received: 11/10/14 15:45

Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		1	214607	11/18/14 12:31	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 00:09	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214278	11/14/14 21:51	AMH	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:05	LRK	TAL BUF
Total/NA	Prep	9012B			214481	11/17/14 11:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	214501	11/17/14 13:25	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125397	11/17/14 12:05	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:05	CAK	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-8-12

Lab Sample ID: 480-71154-3

Date Collected: 11/10/14 12:25
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214607	11/18/14 12:55	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 00:12	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214278	11/14/14 21:54	AMH	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:08	LRK	TAL BUF
Total/NA	Prep	9012B			214481	11/17/14 11:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	214501	11/17/14 13:29	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125397	11/17/14 12:05	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:07	CAK	TAL PIT

Client Sample ID: SB-01-1114-12-16

Lab Sample ID: 480-71154-4

Date Collected: 11/10/14 12:30
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		1	214607	11/18/14 13:18	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 00:15	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214278	11/14/14 21:57	AMH	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:14	LRK	TAL BUF
Total/NA	Prep	9012B			214481	11/17/14 11:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	214501	11/17/14 13:30	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125397	11/17/14 12:05	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:08	CAK	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-01-1114-16-20

Lab Sample ID: 480-71154-5

Date Collected: 11/10/14 12:30
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 47.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		1	214607	11/18/14 13:42	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 00:18	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214278	11/14/14 22:00	AMH	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:16	LRK	TAL BUF
Total/NA	Prep	9012B			214481	11/17/14 11:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	214501	11/17/14 13:33	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125397	11/17/14 12:05	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:10	CAK	TAL PIT

Client Sample ID: SB-02-1114-0-4

Lab Sample ID: 480-71154-6

Date Collected: 11/10/14 12:50
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214607	11/18/14 14:06	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 00:21	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214278	11/14/14 22:03	AMH	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:18	LRK	TAL BUF
Total/NA	Prep	9012B			214481	11/17/14 11:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	214501	11/17/14 13:36	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125397	11/17/14 12:05	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:11	CAK	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-4-8

Lab Sample ID: 480-71154-7

Date Collected: 11/10/14 12:55
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214607	11/18/14 14:29	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 00:24	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214278	11/14/14 22:06	AMH	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:19	LRK	TAL BUF
Total/NA	Prep	9012B			214481	11/17/14 11:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	214501	11/17/14 13:37	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125397	11/17/14 12:05	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:13	CAK	TAL PIT

Client Sample ID: SB-02-1114-8-12

Lab Sample ID: 480-71154-8

Date Collected: 11/10/14 13:05
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 73.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214607	11/18/14 14:53	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 00:27	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214278	11/14/14 22:20	AMH	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:21	LRK	TAL BUF
Total/NA	Prep	9012B			214481	11/17/14 11:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	214501	11/17/14 13:39	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125397	11/17/14 12:05	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:14	CAK	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-02-1114-12-16

Lab Sample ID: 480-71154-9

Date Collected: 11/10/14 13:10
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		1	214607	11/18/14 15:17	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 00:30	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214278	11/14/14 22:23	AMH	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:28	LRK	TAL BUF
Total/NA	Prep	9012B			214481	11/17/14 11:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	214501	11/17/14 13:40	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125397	11/17/14 12:05	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:16	CAK	TAL PIT

Client Sample ID: SB-02-1114-16-20

Lab Sample ID: 480-71154-10

Date Collected: 11/10/14 13:15
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 40.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		1	214607	11/18/14 15:40	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 00:41	AMH	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:30	LRK	TAL BUF
Total/NA	Prep	9012B			215500	11/22/14 11:02	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 12:58	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125397	11/17/14 12:05	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:17	CAK	TAL PIT

Client Sample ID: SB-03-1114-0-4

Lab Sample ID: 480-71154-11

Date Collected: 11/10/14 12:37
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF

Client Sample ID: SB-03-1114-0-4

Lab Sample ID: 480-71154-11

Date Collected: 11/10/14 12:37
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		10	214607	11/18/14 16:04	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 00:44	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214627	11/17/14 10:43	TRB	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:35	LRK	TAL BUF
Total/NA	Prep	9012B			214928	11/19/14 11:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 12:12	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125399	11/17/14 12:09	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:26	CAK	TAL PIT

Client Sample ID: SB-03-1114-4-8

Lab Sample ID: 480-71154-12

Date Collected: 11/10/14 12:45
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214607	11/18/14 11:44	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 00:59	AMH	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:37	LRK	TAL BUF
Total/NA	Prep	9012B			214928	11/19/14 11:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 12:15	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125399	11/17/14 12:09	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:31	CAK	TAL PIT

Client Sample ID: SB-04-1114-0-4

Lab Sample ID: 480-71154-13

Date Collected: 11/10/14 12:30
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 59.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		20	214607	11/18/14 16:27	LMW	TAL BUF

Client Sample ID: SB-04-1114-0-4

Lab Sample ID: 480-71154-13

Date Collected: 11/10/14 12:30
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 59.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 01:02	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214627	11/17/14 11:06	TRB	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:39	LRK	TAL BUF
Total/NA	Prep	9012B			214928	11/19/14 11:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 12:17	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125399	11/17/14 12:09	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:32	CAK	TAL PIT

Client Sample ID: SB-04-1114-4-8

Lab Sample ID: 480-71154-14

Date Collected: 11/10/14 12:45
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 57.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		20	214607	11/18/14 16:51	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 01:17	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214627	11/17/14 11:09	TRB	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:40	LRK	TAL BUF
Total/NA	Prep	9012B			214928	11/19/14 11:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 12:18	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125399	11/17/14 12:09	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:34	CAK	TAL PIT

Client Sample ID: SB-04-1114-8-12

Lab Sample ID: 480-71154-15

Date Collected: 11/10/14 13:00
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 47.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF

Client Sample ID: SB-04-1114-8-12

Lab Sample ID: 480-71154-15

Date Collected: 11/10/14 13:00
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 47.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	214607	11/18/14 17:15	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 01:20	AMH	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214627	11/17/14 11:12	TRB	TAL BUF
Total/NA	Prep	7471B			213588	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:42	LRK	TAL BUF
Total/NA	Prep	9012B			214928	11/19/14 11:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 12:20	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125399	11/17/14 12:09	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:35	CAK	TAL PIT

Client Sample ID: SB-05-1114-0-4

Lab Sample ID: 480-71154-16

Date Collected: 11/10/14 13:20
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		50	214607	11/18/14 17:38	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 01:23	AMH	TAL BUF
Total/NA	Prep	7471B			213591	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:48	LRK	TAL BUF
Total/NA	Prep	9012B			214928	11/19/14 11:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 12:21	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262412	11/13/14 09:39	CJA	TAL EDI
Total/NA	Prep	9013A			125399	11/17/14 12:09	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:37	CAK	TAL PIT

Client Sample ID: SB-05-1114-4-8

Lab Sample ID: 480-71154-17

Date Collected: 11/10/14 13:35
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 74.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		50	214607	11/18/14 18:02	LMW	TAL BUF

Client Sample ID: SB-05-1114-4-8

Lab Sample ID: 480-71154-17

Date Collected: 11/10/14 13:35
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 74.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 01:26	AMH	TAL BUF
Total/NA	Prep	7471B			213591	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 15:59	LRK	TAL BUF
Total/NA	Prep	9012B			214928	11/19/14 11:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 12:22	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262421	11/13/14 10:02	CJA	TAL EDI
Total/NA	Prep	9013A			125399	11/17/14 12:09	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:38	CAK	TAL PIT

Client Sample ID: SB-05-1114-8-12

Lab Sample ID: 480-71154-18

Date Collected: 11/10/14 13:50
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 68.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262421	11/13/14 10:02	CJA	TAL EDI
Total/NA	Prep	9013A			125399	11/17/14 12:09	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:40	CAK	TAL PIT

Client Sample ID: SB-05-1114-12-16

Lab Sample ID: 480-71154-19

Date Collected: 11/10/14 14:10
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 37.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214607	11/18/14 18:25	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 01:29	AMH	TAL BUF
Total/NA	Prep	7471B			213591	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 16:00	LRK	TAL BUF
Total/NA	Prep	9012B			214928	11/19/14 11:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 12:27	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262421	11/13/14 10:02	CJA	TAL EDI
Total/NA	Prep	9013A			125399	11/17/14 12:09	JWS	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Client Sample ID: SB-05-1114-12-16

Lab Sample ID: 480-71154-19

Date Collected: 11/10/14 14:10
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 37.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:41	CAK	TAL PIT

Client Sample ID: SB-05-1114-16-20

Lab Sample ID: 480-71154-20

Date Collected: 11/10/14 14:20
Matrix: Solid
Date Received: 11/10/14 15:45
Percent Solids: 72.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213865	11/13/14 09:30	GVF	TAL BUF
Total/NA	Analysis	8270D		5	214607	11/18/14 18:49	LMW	TAL BUF
Total/NA	Prep	3050B			213592	11/12/14 12:36	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214072	11/14/14 01:31	AMH	TAL BUF
Total/NA	Prep	7471B			213591	11/12/14 13:30	LRK	TAL BUF
Total/NA	Analysis	7471B		1	213782	11/12/14 16:02	LRK	TAL BUF
Total/NA	Prep	9012B			214928	11/19/14 11:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 12:28	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262421	11/13/14 10:02	CJA	TAL EDI
Total/NA	Prep	9013A			125399	11/17/14 12:09	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:43	CAK	TAL PIT

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Solid	1-Methylnaphthalene
8270D	3550C	Solid	Hexadecane

Laboratory: TestAmerica Edison

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-15

Laboratory: TestAmerica Pittsburgh

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-15

Method Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
9016	Cyanide, Free	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
OIA-1677	Cyanide, Available (Flow Injection)	OI CORP	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

OI CORP = OI Corporation Instrument Manual.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71154-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-71154-1	SB-01-1114-0-4	Solid	11/10/14 12:12	11/10/14 15:45
480-71154-2	SB-01-1114-4-8	Solid	11/10/14 12:12	11/10/14 15:45
480-71154-3	SB-01-1114-8-12	Solid	11/10/14 12:25	11/10/14 15:45
480-71154-4	SB-01-1114-12-16	Solid	11/10/14 12:30	11/10/14 15:45
480-71154-5	SB-01-1114-16-20	Solid	11/10/14 12:30	11/10/14 15:45
480-71154-6	SB-02-1114-0-4	Solid	11/10/14 12:50	11/10/14 15:45
480-71154-7	SB-02-1114-4-8	Solid	11/10/14 12:55	11/10/14 15:45
480-71154-8	SB-02-1114-8-12	Solid	11/10/14 13:05	11/10/14 15:45
480-71154-9	SB-02-1114-12-16	Solid	11/10/14 13:10	11/10/14 15:45
480-71154-10	SB-02-1114-16-20	Solid	11/10/14 13:15	11/10/14 15:45
480-71154-11	SB-03-1114-0-4	Solid	11/10/14 12:37	11/10/14 15:45
480-71154-12	SB-03-1114-4-8	Solid	11/10/14 12:45	11/10/14 15:45
480-71154-13	SB-04-1114-0-4	Solid	11/10/14 12:30	11/10/14 15:45
480-71154-14	SB-04-1114-4-8	Solid	11/10/14 12:45	11/10/14 15:45
480-71154-15	SB-04-1114-8-12	Solid	11/10/14 13:00	11/10/14 15:45
480-71154-16	SB-05-1114-0-4	Solid	11/10/14 13:20	11/10/14 15:45
480-71154-17	SB-05-1114-4-8	Solid	11/10/14 13:35	11/10/14 15:45
480-71154-18	SB-05-1114-8-12	Solid	11/10/14 13:50	11/10/14 15:45
480-71154-19	SB-05-1114-12-16	Solid	11/10/14 14:10	11/10/14 15:45
480-71154-20	SB-05-1114-16-20	Solid	11/10/14 14:20	11/10/14 15:45

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

Test

THE LEADER I

480-71154 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Heidi Dudek	11/10/14	278870
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
625 Broadway, 12th Floor	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Picunas	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP GW Trackdown, Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site No. 915193A Lab Call Out, Parcel 4 Call Out			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Free CN	Avail CN	TCL SVOCs + 20	Hg, TAL Metals,	Total CN	Special Instructions/ Conditions of Receipt
SB-01-1114-0-4	11/10/14	12:12				X	X						X	X	X	X	X	
SB-01-1114-4-8	11/10/14	12:12				X	X						X	X	X	X	X	
SB-01-1114-8-12	11/10/14	12:25				X	X						X	X	X	X	X	
SB-01-1114-12-16	11/10/14	12:30				X	X						X	X	X	X	X	
SB-01-1114-16-20	11/10/14	12:30				X	X						X	X	X	X	X	
SB-02-1114-0-4	11/10/14	12:50				X	X						X	X	X	X	X	
SB-02-1114-4-8	11/10/14	12:55				X	X						X	X	X	X	X	
SB-02-1114-8-12	11/10/14	13:05				X	X						X	X	X	X	X	
SB-02-1114-12-16	11/10/14	13:10				X	X						X	X	X	X	X	
SB-02-1114-16-20	11/10/14	13:15				X	X						X	X	X	X	X	
SB-03-1114-0-4	11/10/14	12:31				X	X						X	X	X	X	X	
SB-03-1114-4-8	11/10/14	12:45				X	X						X	X	X	X	X	

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Amy Picunas	11/10/14	15:10
2. Relinquished By:	11/10/14	15:45
3. Relinquished By:		
1. Received By:	11/10/14	15:15
2. Received By:	11/10/14	1545
3. Received By:		

Comments

3,6 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

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TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Heidi Dudek	11/10/14	278871
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
625 Broadway, 12th Floor	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Emily Pavias	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BCP CN Trackdown, Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site No. 915193A, Parcel 4, Lab Call Out			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Free CN	Avail CN	TCL SVOCs+20	Hg, TAL Metals,	Total CN	Special Instructions/ Conditions of Receipt
SB-04-1114-0-4	11/10/14	12:30				X	X						X	X	X	X	X	
SB-04-1114-4-8	11/10/14	12:45				X	X						X	X	X	X	X	
SB-04-1114-8-12	11/10/14	13:00				X	X						X	X	X	X	X	
~~SB-04-1114-12-16~~	~~11/10/14~~					~~X~~	~~X~~											
~~SB-04-1114-16-20~~	~~11/10/14~~					~~X~~	~~X~~											
SB-05-1114-0-4	11/10/14	13:20				X	X						X	X	X	X	X	
SB-05-1114-4-8	11/10/14	13:35				X	X						X	X	X	X	X	
SB-05-1114-8-12	11/10/14	13:50				X	X						X	X				
SB-05-1114-12-16	11/10/14	14:10				X	X						X	X	X	X	X	
SB-05-1114-16-20	11/10/14	14:20				X	X						X	X	X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Emily Pavias	11/10/14	15:10	1. Received By: Jay Dylan	11/10/14	15:15
2. Relinquished By: Jay Dylan	11/10/14	15:25	2. Received By: Emily Pavias	11/10/14	1545
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments

3.6 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

12/3/2014

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71154-1

Login Number: 71154

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	DEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71154-1

Login Number: 71154
List Number: 2
Creator: Villadarez, Gerson Timothy S

List Source: TestAmerica Edison
List Creation: 11/12/14 12:06 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3°C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	False	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71154-1

Login Number: 71154
List Number: 3
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 11/12/14 04:40 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-71163-1
Client Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Joseph V. Giacomazza

Authorized for release by:
12/12/2014 4:58:20 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

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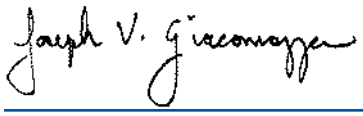
Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
12/12/2014 4:58:20 PM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-71163-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-71163-1

Receipt
The samples were received on 11/11/2014 3:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.0º C and 2.8º C.

Except:

Method(s) Moisture: The sample duplicate precision for the following sample associated with batch <<262789>> was outside control limits.

GC/MS Semi VOA
Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: SO-08-1114-12-16 (480-71163-11), SO-08-1114-8-12 (480-71163-10). These results have been reported and qualified.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix : SE-CB01-1114 (480-71163-8), SO-06-1114-0-4 (480-71163-3), SO-06-1114-12-16 (480-71163-6), SO-06-1114-8-12 (480-71163-5), SO-07-1114-0-4 (480-71163-14), SO-07-1114-12-16 (480-71163-17), SO-07-1114-4-8 (480-71163-15), SO-07-1114-4-8 (480-71163-15 MS), SO-07-1114-4-8 (480-71163-15 MSD), SO-07-1114-8-12 (480-71163-16), SO-08-1114-0-4 (480-71163-13), SO-09-1114-0-4 (480-71163-19), SO-09-1114-12-16 (480-71163-22). As such, surrogate and spike recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: SO-08-1114-16-20 (480-71163-12), SO-08-1114-4-8 (480-71163-9), SO-09-1114-4-8 (480-71163-20). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: Surrogate recovery for the following sample(s) was outside control limits: SO-08-1114-4-8 (480-71163-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: Surrogate recovery for the following sample(s) was outside control limits: SO-09-1114-4-8 (480-71163-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: The laboratory control sample (LCS) for batch 213488 recovered outside control limits for multiple analytes as the samples were beyond extraction holding times the data has been narrated and reported. (LCS 480-213488/2-A).

Method(s) 8270D: Surrogate recovery for the following Method Blank (MB) and Laboratory Control Sample (LCS) associated with preparation batch 213488 was below the lower control limit for p-Terphenyl-D14 indicating a low bias: (MB 480-213488/1-A), LCS 480-213488/2-A.

Method(s) 8270D: Internal standard response for Perylene D12 was below acceptance criteria indicating a high bias, as the samples did not contain affected target anaytes above the reporting limits therefore the data has been reported: SW-CB01-1114-F (480-71163-1), SW-CB01-1114-U (480-71163-2).

Method(s) 8270D: The analyte Benzaldehyde was outside of routine calibration acceptance limits for the initial calibration curve in analytical batch 213064. As per the method, the calibration model is acceptable as long as no more than 20% of analytes fail acceptance limits. All results for Benzaldehyde should be considered estimates. (CCVIS 480-216721/3)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The low level continuing calibration verification (CCVL) recovered above the upper control limit for Total Sodium. The sample(s) (LCS 480-213632/2-A), (LCSD 480-213632/3-A) associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Job ID: 480-71163-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-214420/60) recovered above the upper control limit for Total Zinc and Cadmium. The sample(s) SO-09-1114-4-8 (480-71163-20) associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-214420/49) recovered above the upper control limit for Total Iron and Manganese. The sample(s) SO-07-1114-0-4 (480-71163-14), SO-09-1114-4-8 (480-71163-20) associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-214420/49) recovered above the upper control limit for Total Iron, Potassium and Manganese. The sample(s) (480-71163-15 PDS), (480-71163-15 SD), SO-07-1114-4-8 (480-71163-15), SO-07-1114-4-8 (480-71163-15 MS), SO-07-1114-4-8 (480-71163-15 MSD), SO-08-1114-0-4 (480-71163-13), SO-09-1114-12-16 (480-71163-22) associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-214420/25) recovered above the upper control limit for Total Iron and Manganese. The sample(s) SE-CB01-1114 (480-71163-8), SO-06-1114-12-16 (480-71163-6), SO-06-1114-16-20 (480-71163-7) associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-214420/25) recovered above the upper control limit for Total Iron, Cadmium and Manganese. The sample(s) (LCSSRM 480-213660/2-), (MB 480-213660/1-A), SO-08-1114-12-16 (480-71163-11), SO-08-1114-16-20 (480-71163-12), SO-08-1114-4-8 (480-71163-9), SO-08-1114-8-12 (480-71163-10) associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL or was below the reporting limit; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-214420/16) recovered above the upper control limit for Total Chromium. The sample(s) (LCSSRM 480-213660/2-), (MB 480-213660/1-A), SO-06-1114-12-16 (480-71163-6) associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL or were less than the reporting limit; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The following sample(s) was diluted due to the presence of manganese which interferes with total silver, chromium, magnesium, lead, selenium, thallium, and vanadium: SO-06-1114-12-16 (480-71163-6), SO-06-1114-16-20 (480-71163-7). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following sample(s) was diluted due to the presence of iron which interferes with total cadmium, cobalt, chromium, copper, magnesium, manganese, nickel, lead, antimony, thallium, and vanadium: SO-06-1114-12-16 (480-71163-6), SO-06-1114-16-20 (480-71163-7), SO-07-1114-0-4 (480-71163-14), SO-08-1114-0-4 (480-71163-13), SO-08-1114-4-8 (480-71163-9), SO-08-1114-8-12 (480-71163-10), SO-09-1114-4-8 (480-71163-20). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The Serial Dilution (480-71163-15 SD) in batch 480-213660, exhibited results outside the quality control limits for total beryllium and copper. However, the Post Digestion Spike was compliant so no corrective action was necessary.

Method(s) 6010C: The recovery of Post Spike, (480-71163-15 PDS), in batch 480-213660 exhibited results outside the quality control limits for total iron and lead. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-214420/60) for analytical batch 480-214420 contained Total Cadmium above the upper quality control limit. All reported samples associated with this CCVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples SO-09-1114-8-12 (480-71163-21) was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Job ID: 480-71163-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method(s) 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: SO-08-1114-4-8 (480-71163-9). The reporting limits (RLs) are elevated proportionately.

Method(s) 3550C: The following samples: SE-CB01-1114 (480-71163-8), SO-06-1114-12-16 (480-71163-6), SO-09-1114-12-16 (480-71163-22) were decanted prior to preparation.

Method(s) 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: SO-09-1114-4-8 (480-71163-20). The reporting limits (RLs) are elevated proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SW-CB01-1114-F
Date Collected: 11/10/14 16:40
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		11/12/14 06:17	12/02/14 21:11	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		11/12/14 06:17	12/02/14 21:11	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		11/12/14 06:17	12/02/14 21:11	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		11/12/14 06:17	12/02/14 21:11	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		11/12/14 06:17	12/02/14 21:11	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		11/12/14 06:17	12/02/14 21:11	1
2,6-Dinitrotoluene	ND		4.9	0.40	ug/L		11/12/14 06:17	12/02/14 21:11	1
2-Chloronaphthalene	ND		4.9	0.46	ug/L		11/12/14 06:17	12/02/14 21:11	1
2-Chlorophenol	ND		4.9	0.52	ug/L		11/12/14 06:17	12/02/14 21:11	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		11/12/14 06:17	12/02/14 21:11	1
2-Methylphenol	ND		4.9	0.40	ug/L		11/12/14 06:17	12/02/14 21:11	1
2-Nitroaniline	ND	*	9.9	0.42	ug/L		11/12/14 06:17	12/02/14 21:11	1
2-Nitrophenol	ND		4.9	0.47	ug/L		11/12/14 06:17	12/02/14 21:11	1
3,3'-Dichlorobenzidine	ND		4.9	0.40	ug/L		11/12/14 06:17	12/02/14 21:11	1
3-Nitroaniline	ND		9.9	0.47	ug/L		11/12/14 06:17	12/02/14 21:11	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		11/12/14 06:17	12/02/14 21:11	1
4-Bromophenyl phenyl ether	ND	*	4.9	0.45	ug/L		11/12/14 06:17	12/02/14 21:11	1
4-Chloro-3-methylphenol	ND		4.9	0.45	ug/L		11/12/14 06:17	12/02/14 21:11	1
4-Chloroaniline	ND		4.9	0.58	ug/L		11/12/14 06:17	12/02/14 21:11	1
4-Chlorophenyl phenyl ether	ND	*	4.9	0.35	ug/L		11/12/14 06:17	12/02/14 21:11	1
4-Methylphenol	**0.48**	**J**	9.9	0.36	ug/L		11/12/14 06:17	12/02/14 21:11	1
4-Nitroaniline	ND		9.9	0.25	ug/L		11/12/14 06:17	12/02/14 21:11	1
4-Nitrophenol	ND		9.9	1.5	ug/L		11/12/14 06:17	12/02/14 21:11	1
Acenaphthene	ND		4.9	0.41	ug/L		11/12/14 06:17	12/02/14 21:11	1
Acenaphthylene	ND		4.9	0.38	ug/L		11/12/14 06:17	12/02/14 21:11	1
Acetophenone	**1.2**	**J**	4.9	0.53	ug/L		11/12/14 06:17	12/02/14 21:11	1
Anthracene	ND		4.9	0.28	ug/L		11/12/14 06:17	12/02/14 21:11	1
Atrazine	ND		4.9	0.46	ug/L		11/12/14 06:17	12/02/14 21:11	1
Benzaldehyde	**0.91**	**J B**	4.9	0.26	ug/L		11/12/14 06:17	12/02/14 21:11	1
Benzo[a]anthracene	ND		4.9	0.36	ug/L		11/12/14 06:17	12/02/14 21:11	1
Benzo[a]pyrene	ND	*	4.9	0.46	ug/L		11/12/14 06:17	12/02/14 21:11	1
Benzo[b]fluoranthene	ND	*	4.9	0.34	ug/L		11/12/14 06:17	12/02/14 21:11	1
Benzo[g,h,i]perylene	ND	*	4.9	0.35	ug/L		11/12/14 06:17	12/02/14 21:11	1
Benzo[k]fluoranthene	ND	*	4.9	0.72	ug/L		11/12/14 06:17	12/02/14 21:11	1
Biphenyl	ND		4.9	0.65	ug/L		11/12/14 06:17	12/02/14 21:11	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		11/12/14 06:17	12/02/14 21:11	1
Bis(2-chloroethoxy)methane	ND		4.9	0.35	ug/L		11/12/14 06:17	12/02/14 21:11	1
Bis(2-chloroethyl)ether	ND		4.9	0.40	ug/L		11/12/14 06:17	12/02/14 21:11	1
Bis(2-ethylhexyl) phthalate	**2.2**	**J**	4.9	1.8	ug/L		11/12/14 06:17	12/02/14 21:11	1
Butyl benzyl phthalate	ND		4.9	0.42	ug/L		11/12/14 06:17	12/02/14 21:11	1
Caprolactam	ND		4.9	2.2	ug/L		11/12/14 06:17	12/02/14 21:11	1
Carbazole	ND		4.9	0.30	ug/L		11/12/14 06:17	12/02/14 21:11	1
Chrysene	ND	*	4.9	0.33	ug/L		11/12/14 06:17	12/02/14 21:11	1
Dibenz(a,h)anthracene	ND	*	4.9	0.42	ug/L		11/12/14 06:17	12/02/14 21:11	1
Dibenzofuran	ND		9.9	0.50	ug/L		11/12/14 06:17	12/02/14 21:11	1
Diethyl phthalate	ND		4.9	0.22	ug/L		11/12/14 06:17	12/02/14 21:11	1
Dimethyl phthalate	ND		4.9	0.36	ug/L		11/12/14 06:17	12/02/14 21:11	1
Di-n-butyl phthalate	ND		4.9	0.31	ug/L		11/12/14 06:17	12/02/14 21:11	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		11/12/14 06:17	12/02/14 21:11	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SW-CB01-1114-F
Date Collected: 11/10/14 16:40
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.40	ug/L		11/12/14 06:17	12/02/14 21:11	1
Fluorene	ND		4.9	0.36	ug/L		11/12/14 06:17	12/02/14 21:11	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		11/12/14 06:17	12/02/14 21:11	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		11/12/14 06:17	12/02/14 21:11	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		11/12/14 06:17	12/02/14 21:11	1
Hexachloroethane	ND		4.9	0.58	ug/L		11/12/14 06:17	12/02/14 21:11	1
Indeno[1,2,3-cd]pyrene	ND	*	4.9	0.46	ug/L		11/12/14 06:17	12/02/14 21:11	1
Isophorone	ND		4.9	0.43	ug/L		11/12/14 06:17	12/02/14 21:11	1
Naphthalene	ND		4.9	0.75	ug/L		11/12/14 06:17	12/02/14 21:11	1
Nitrobenzene	ND		4.9	0.29	ug/L		11/12/14 06:17	12/02/14 21:11	1
N-Nitrosodi-n-propylamine	**3.9**	**J**	4.9	0.53	ug/L		11/12/14 06:17	12/02/14 21:11	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		11/12/14 06:17	12/02/14 21:11	1
Pentachlorophenol	ND		9.9	2.2	ug/L		11/12/14 06:17	12/02/14 21:11	1
Phenanthrene	ND		4.9	0.44	ug/L		11/12/14 06:17	12/02/14 21:11	1
Phenol	ND		4.9	0.39	ug/L		11/12/14 06:17	12/02/14 21:11	1
Pyrene	ND		4.9	0.34	ug/L		11/12/14 06:17	12/02/14 21:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Pyridine	*1.9*	*J*	*ug/L*		*3.76*	*110-86-1*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
Butanoic acid	*8.3*	*T J N*	*ug/L*		*4.43*	*107-92-6*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
2-Pentanone, 4-hydroxy-4-methyl-	*1.8*	*T J N*	*ug/L*		*4.64*	*123-42-2*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
p-Xylene	*3.4*	*T J N*	*ug/L*		*4.90*	*106-42-3*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
Pentanoic acid	*6.3*	*T J N*	*ug/L*		*5.22*	*109-52-4*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
Cyclotetrasiloxane, octamethyl-	*2.1*	*T J N*	*ug/L*		*5.68*	*556-67-2*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
Decane	*6.6*	*T J N*	*ug/L*		*5.85*	*124-18-5*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
Hexanoic acid	*5.0*	*T J N*	*ug/L*		*5.89*	*142-62-1*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
Benzyl alcohol	*2.3*	*J B*	*ug/L*		*6.20*	*100-51-6*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
Cyclopentasiloxane, decamethyl-	*2.0*	*T J N*	*ug/L*		*6.62*	*541-02-6*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*1.7*	*T J N*	*ug/L*		*8.54*	*96-76-4*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
Diphenyl sulfone	*2.7*	*T J N*	*ug/L*		*10.22*	*127-63-9*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
2-Propanol, 1-[1-methyl-2-(2-propenyloxy	*1.7*	*T J N*	*ug/L*		*10.45*	*55956-25-7*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
2-Propanol, 1-[1-methyl-2-(2-propenyloxy	*6.8*	*T J N*	*ug/L*		*10.85*	*55956-25-7*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
Benzidine	*6.2*	*J*	*ug/L*		*11.08*	*92-87-5*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
2-Propanol, 1,1'-[(1-methyl-1,2-ethanedi	*11*	*T J N*	*ug/L*		*11.30*	*1638-16-0*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
2-Propanol, 1-[1-methyl-2-(2-propenyloxy	*3.0*	*T J N*	*ug/L*		*11.98*	*55956-25-7*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
2-Propanol, 1-[1-methyl-2-(2-propenyloxy	*11*	*T J N*	*ug/L*		*12.25*	*55956-25-7*	*11/12/14 06:17*	*12/02/14 21:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*57*		*52 - 132*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
2-Fluorobiphenyl	*53*		*48 - 120*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
2-Fluorophenol (Surr)	*61*		*20 - 120*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 120*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
Phenol-d5 (Surr)	*44*		*16 - 120*	*11/12/14 06:17*	*12/02/14 21:11*	*1*
p-Terphenyl-d14 (Surr)	*101*		*67 - 150*	*11/12/14 06:17*	*12/02/14 21:11*	*1*

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SW-CB01-1114-F
Date Collected: 11/10/14 16:40
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-1
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.062**	**J**	0.20	0.060	mg/L		11/13/14 08:24	11/14/14 20:36	1
Antimony	ND		0.020	0.0068	mg/L		11/13/14 08:24	11/14/14 20:36	1
Arsenic	ND		0.015	0.0056	mg/L		11/13/14 08:24	11/14/14 20:36	1
Barium	**0.020**		0.0020	0.00070	mg/L		11/13/14 08:24	11/14/14 20:36	1
Beryllium	ND		0.0020	0.00030	mg/L		11/13/14 08:24	11/14/14 20:36	1
Cadmium	ND		0.0020	0.00050	mg/L		11/13/14 08:24	11/14/14 20:36	1
Calcium	**32.3**		0.50	0.10	mg/L		11/13/14 08:24	11/14/14 20:36	1
Chromium	ND		0.0040	0.0010	mg/L		11/13/14 08:24	11/14/14 20:36	1
Cobalt	ND		0.0040	0.00063	mg/L		11/13/14 08:24	11/14/14 20:36	1
Copper	**0.0020**	**J**	0.010	0.0016	mg/L		11/13/14 08:24	11/14/14 20:36	1
Iron	**0.12**		0.050	0.019	mg/L		11/13/14 08:24	11/17/14 13:18	1
Lead	ND		0.010	0.0030	mg/L		11/13/14 08:24	11/14/14 20:36	1
Magnesium	**1.8**		0.20	0.043	mg/L		11/13/14 08:24	11/14/14 20:36	1
Manganese	**0.019**	**B**	0.0030	0.00040	mg/L		11/13/14 08:24	11/14/14 20:36	1
Nickel	ND		0.010	0.0013	mg/L		11/13/14 08:24	11/14/14 20:36	1
Potassium	**4.6**	**B**	0.50	0.10	mg/L		11/13/14 08:24	11/14/14 20:36	1
Selenium	ND		0.025	0.0087	mg/L		11/13/14 08:24	11/14/14 20:36	1
Silver	ND		0.0060	0.0017	mg/L		11/13/14 08:24	11/14/14 20:36	1
Sodium	**4.6**		1.0	0.32	mg/L		11/13/14 08:24	11/14/14 20:36	1
Thallium	ND		0.020	0.010	mg/L		11/13/14 08:24	11/14/14 20:36	1
Vanadium	ND		0.0050	0.0015	mg/L		11/13/14 08:24	11/14/14 20:36	1
Zinc	**0.0077**	**J B**	0.010	0.0015	mg/L		11/13/14 08:24	11/14/14 20:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/12/14 09:00	11/12/14 12:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/18/14 12:18	11/20/14 13:24	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/19/14 14:23	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SW-CB01-1114-U
Date Collected: 11/10/14 16:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.4	0.52	ug/L		11/12/14 06:22	12/02/14 21:38	1
2,4,6-Trichlorophenol	ND		5.4	0.66	ug/L		11/12/14 06:22	12/02/14 21:38	1
2,4-Dichlorophenol	ND		5.4	0.55	ug/L		11/12/14 06:22	12/02/14 21:38	1
2,4-Dimethylphenol	ND		5.4	0.54	ug/L		11/12/14 06:22	12/02/14 21:38	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		11/12/14 06:22	12/02/14 21:38	1
2,4-Dinitrotoluene	ND		5.4	0.48	ug/L		11/12/14 06:22	12/02/14 21:38	1
2,6-Dinitrotoluene	ND		5.4	0.43	ug/L		11/12/14 06:22	12/02/14 21:38	1
2-Chloronaphthalene	ND		5.4	0.50	ug/L		11/12/14 06:22	12/02/14 21:38	1
2-Chlorophenol	ND		5.4	0.57	ug/L		11/12/14 06:22	12/02/14 21:38	1
2-Methylnaphthalene	ND		5.4	0.65	ug/L		11/12/14 06:22	12/02/14 21:38	1
2-Methylphenol	**0.88**	**J B**	5.4	0.43	ug/L		11/12/14 06:22	12/02/14 21:38	1
2-Nitroaniline	ND	*	11	0.45	ug/L		11/12/14 06:22	12/02/14 21:38	1
2-Nitrophenol	ND		5.4	0.52	ug/L		11/12/14 06:22	12/02/14 21:38	1
3,3'-Dichlorobenzidine	ND		5.4	0.43	ug/L		11/12/14 06:22	12/02/14 21:38	1
3-Nitroaniline	ND		11	0.52	ug/L		11/12/14 06:22	12/02/14 21:38	1
4,6-Dinitro-2-methylphenol	**5.1**	**J**	11	2.4	ug/L		11/12/14 06:22	12/02/14 21:38	1
4-Bromophenyl phenyl ether	ND	*	5.4	0.49	ug/L		11/12/14 06:22	12/02/14 21:38	1
4-Chloro-3-methylphenol	ND		5.4	0.49	ug/L		11/12/14 06:22	12/02/14 21:38	1
4-Chloroaniline	ND		5.4	0.64	ug/L		11/12/14 06:22	12/02/14 21:38	1
4-Chlorophenyl phenyl ether	ND	*	5.4	0.38	ug/L		11/12/14 06:22	12/02/14 21:38	1
4-Methylphenol	**0.80**	**J**	11	0.39	ug/L		11/12/14 06:22	12/02/14 21:38	1
4-Nitroaniline	ND		11	0.27	ug/L		11/12/14 06:22	12/02/14 21:38	1
4-Nitrophenol	ND		11	1.6	ug/L		11/12/14 06:22	12/02/14 21:38	1
Acenaphthene	ND		5.4	0.44	ug/L		11/12/14 06:22	12/02/14 21:38	1
Acenaphthylene	ND		5.4	0.41	ug/L		11/12/14 06:22	12/02/14 21:38	1
Acetophenone	**1.3**	**J**	5.4	0.58	ug/L		11/12/14 06:22	12/02/14 21:38	1
Anthracene	ND		5.4	0.30	ug/L		11/12/14 06:22	12/02/14 21:38	1
Atrazine	ND		5.4	0.50	ug/L		11/12/14 06:22	12/02/14 21:38	1
Benzaldehyde	**1.0**	**J B**	5.4	0.29	ug/L		11/12/14 06:22	12/02/14 21:38	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		11/12/14 06:22	12/02/14 21:38	1
Benzo[a]pyrene	ND	*	5.4	0.51	ug/L		11/12/14 06:22	12/02/14 21:38	1
Benzo[b]fluoranthene	ND	*	5.4	0.37	ug/L		11/12/14 06:22	12/02/14 21:38	1
Benzo[g,h,i]perylene	ND	*	5.4	0.38	ug/L		11/12/14 06:22	12/02/14 21:38	1
Benzo[k]fluoranthene	ND	*	5.4	0.79	ug/L		11/12/14 06:22	12/02/14 21:38	1
Biphenyl	ND		5.4	0.70	ug/L		11/12/14 06:22	12/02/14 21:38	1
bis (2-chloroisopropyl) ether	ND		5.4	0.56	ug/L		11/12/14 06:22	12/02/14 21:38	1
Bis(2-chloroethoxy)methane	ND		5.4	0.38	ug/L		11/12/14 06:22	12/02/14 21:38	1
Bis(2-chloroethyl)ether	ND		5.4	0.43	ug/L		11/12/14 06:22	12/02/14 21:38	1
Bis(2-ethylhexyl) phthalate	**4.0**	**J**	5.4	1.9	ug/L		11/12/14 06:22	12/02/14 21:38	1
Butyl benzyl phthalate	ND		5.4	0.45	ug/L		11/12/14 06:22	12/02/14 21:38	1
Caprolactam	ND		5.4	2.4	ug/L		11/12/14 06:22	12/02/14 21:38	1
Carbazole	ND		5.4	0.32	ug/L		11/12/14 06:22	12/02/14 21:38	1
Chrysene	ND	*	5.4	0.36	ug/L		11/12/14 06:22	12/02/14 21:38	1
Dibenz(a,h)anthracene	ND	*	5.4	0.45	ug/L		11/12/14 06:22	12/02/14 21:38	1
Dibenzofuran	ND		11	0.55	ug/L		11/12/14 06:22	12/02/14 21:38	1
Diethyl phthalate	ND		5.4	0.24	ug/L		11/12/14 06:22	12/02/14 21:38	1
Dimethyl phthalate	ND		5.4	0.39	ug/L		11/12/14 06:22	12/02/14 21:38	1
Di-n-butyl phthalate	ND		5.4	0.33	ug/L		11/12/14 06:22	12/02/14 21:38	1
Di-n-octyl phthalate	ND		5.4	0.51	ug/L		11/12/14 06:22	12/02/14 21:38	1

Client Sample ID: SW-CB01-1114-U
Date Collected: 11/10/14 16:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.4	0.43	ug/L		11/12/14 06:22	12/02/14 21:38	1
Fluorene	ND		5.4	0.39	ug/L		11/12/14 06:22	12/02/14 21:38	1
Hexachlorobenzene	ND		5.4	0.55	ug/L		11/12/14 06:22	12/02/14 21:38	1
Hexachlorobutadiene	ND		5.4	0.73	ug/L		11/12/14 06:22	12/02/14 21:38	1
Hexachlorocyclopentadiene	ND		5.4	0.64	ug/L		11/12/14 06:22	12/02/14 21:38	1
Hexachloroethane	ND		5.4	0.64	ug/L		11/12/14 06:22	12/02/14 21:38	1
Indeno[1,2,3-cd]pyrene	ND	*	5.4	0.51	ug/L		11/12/14 06:22	12/02/14 21:38	1
Isophorone	ND		5.4	0.46	ug/L		11/12/14 06:22	12/02/14 21:38	1
Naphthalene	ND		5.4	0.82	ug/L		11/12/14 06:22	12/02/14 21:38	1
Nitrobenzene	ND		5.4	0.31	ug/L		11/12/14 06:22	12/02/14 21:38	1
N-Nitrosodi-n-propylamine	**4.2**	**J**	5.4	0.58	ug/L		11/12/14 06:22	12/02/14 21:38	1
N-Nitrosodiphenylamine	ND		5.4	0.55	ug/L		11/12/14 06:22	12/02/14 21:38	1
Pentachlorophenol	ND		11	2.4	ug/L		11/12/14 06:22	12/02/14 21:38	1
Phenanthrene	ND		5.4	0.47	ug/L		11/12/14 06:22	12/02/14 21:38	1
Phenol	ND		5.4	0.42	ug/L		11/12/14 06:22	12/02/14 21:38	1
Pyrene	ND		5.4	0.37	ug/L		11/12/14 06:22	12/02/14 21:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Pyridine	*2.1*	*J*	*ug/L*		*3.78*	*110-86-1*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Propanoic acid, 2-methyl-	*5.1*	*T J N*	*ug/L*		*4.10*	*79-31-2*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
2-Pentanone, 4-hydroxy-4-methyl-	*3.0*	*T J N*	*ug/L*		*4.64*	*123-42-2*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Benzene, 1,3-dimethyl-	*3.8*	*T J N*	*ug/L*		*4.91*	*108-38-3*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Pentanoic acid	*13*	*T J N*	*ug/L*		*5.24*	*109-52-4*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Cyclotetrasiloxane, octamethyl-	*2.6*	*T J N*	*ug/L*		*5.68*	*556-67-2*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Decane	*9.5*	*T J N*	*ug/L*		*5.85*	*124-18-5*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Hexanoic acid	*6.8*	*T J N*	*ug/L*		*5.89*	*142-62-1*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
1-Hexanol, 2-ethyl-	*3.1*	*T J N*	*ug/L*		*6.21*	*104-76-7*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Cyclopentasiloxane, decamethyl-	*2.2*	*T J N*	*ug/L*		*6.62*	*541-02-6*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Disulfoton	*0.45*	*J*	*ug/L*		*9.75*	*298-04-4*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
2-Hexanol, 2,5-dimethyl-, (S)-	*1.9*	*T J N*	*ug/L*		*10.46*	*3730-60-7*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Hexadecane, 1-chloro-	*2.2*	*T J N*	*ug/L*		*10.86*	*4860-03-1*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Benzidine	*6.8*	*J*	*ug/L*		*11.07*	*92-87-5*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
2,5,8,11,14,17-Hexaoxaoctadecane	*11*	*T J N*	*ug/L*		*11.31*	*1191-87-3*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Methane, diethoxy-	*5.2*	*T J N*	*ug/L*		*11.99*	*462-95-3*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
2-Propanol, 1-[1-methyl-2-(2-propenyloxy	*9.8*	*T J N*	*ug/L*		*12.25*	*55956-25-7*	*11/12/14 06:22*	*12/02/14 21:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*57*		*52 - 132*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
2-Fluorobiphenyl	*52*		*48 - 120*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
2-Fluorophenol (Surr)	*61*		*20 - 120*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Nitrobenzene-d5 (Surr)	*59*		*46 - 120*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
Phenol-d5 (Surr)	*44*		*16 - 120*	*11/12/14 06:22*	*12/02/14 21:38*	*1*
p-Terphenyl-d14 (Surr)	*104*		*67 - 150*	*11/12/14 06:22*	*12/02/14 21:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.14**	**J**	0.20	0.060	mg/L		11/13/14 08:24	11/14/14 20:39	1
Antimony	ND		0.020	0.0068	mg/L		11/13/14 08:24	11/14/14 20:39	1
Arsenic	ND		0.015	0.0056	mg/L		11/13/14 08:24	11/14/14 20:39	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SW-CB01-1114-U
Date Collected: 11/10/14 16:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.022**		0.0020	0.00070	mg/L		11/13/14 08:24	11/14/14 20:39	1
Beryllium	ND		0.0020	0.00030	mg/L		11/13/14 08:24	11/14/14 20:39	1
Cadmium	ND		0.0020	0.00050	mg/L		11/13/14 08:24	11/14/14 20:39	1
Calcium	**33.7**		0.50	0.10	mg/L		11/13/14 08:24	11/14/14 20:39	1
Chromium	ND		0.0040	0.0010	mg/L		11/13/14 08:24	11/14/14 20:39	1
Cobalt	ND		0.0040	0.00063	mg/L		11/13/14 08:24	11/14/14 20:39	1
Copper	**0.0030**	**J**	0.010	0.0016	mg/L		11/13/14 08:24	11/14/14 20:39	1
Iron	**0.33**		0.050	0.019	mg/L		11/13/14 08:24	11/17/14 13:21	1
Lead	ND		0.010	0.0030	mg/L		11/13/14 08:24	11/14/14 20:39	1
Magnesium	**1.9**		0.20	0.043	mg/L		11/13/14 08:24	11/14/14 20:39	1
Manganese	**0.057**	**B**	0.0030	0.00040	mg/L		11/13/14 08:24	11/14/14 20:39	1
Nickel	ND		0.010	0.0013	mg/L		11/13/14 08:24	11/14/14 20:39	1
Potassium	**4.6**	**B**	0.50	0.10	mg/L		11/13/14 08:24	11/14/14 20:39	1
Selenium	ND		0.025	0.0087	mg/L		11/13/14 08:24	11/14/14 20:39	1
Silver	ND		0.0060	0.0017	mg/L		11/13/14 08:24	11/14/14 20:39	1
Sodium	**4.6**		1.0	0.32	mg/L		11/13/14 08:24	11/14/14 20:39	1
Thallium	ND		0.020	0.010	mg/L		11/13/14 08:24	11/14/14 20:39	1
Vanadium	ND		0.0050	0.0015	mg/L		11/13/14 08:24	11/14/14 20:39	1
Zinc	**0.0084**	**J B**	0.010	0.0015	mg/L		11/13/14 08:24	11/14/14 20:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/12/14 09:00	11/12/14 12:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/18/14 12:18	11/20/14 13:26	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/19/14 14:24	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-0-4
Date Collected: 11/10/14 14:50
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-3
Matrix: Solid
Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1900	520	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
2,4,6-Trichlorophenol	ND		1900	390	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
2,4-Dichlorophenol	ND		1900	200	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
2,4-Dimethylphenol	ND		1900	470	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
2,4-Dinitrophenol	ND		3800	1200	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
2,4-Dinitrotoluene	ND		1900	400	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
2,6-Dinitrotoluene	ND		1900	230	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
2-Chloronaphthalene	ND		1900	320	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
2-Chlorophenol	ND		1900	350	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
2-Methylnaphthalene	ND		1900	390	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
2-Methylphenol	ND		1900	230	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
2-Nitroaniline	ND		3800	280	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
2-Nitrophenol	ND		1900	550	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
3,3'-Dichlorobenzidine	ND		3800	2300	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
3-Nitroaniline	ND		3800	530	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
4,6-Dinitro-2-methylphenol	ND		3800	1900	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
4-Bromophenyl phenyl ether	ND		1900	270	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
4-Chloro-3-methylphenol	ND		1900	480	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
4-Chloroaniline	ND		1900	480	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
4-Chlorophenyl phenyl ether	ND		1900	240	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
4-Methylphenol	ND		3800	230	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
4-Nitroaniline	ND		3800	1000	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
4-Nitrophenol	ND		3800	1400	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Acenaphthene	**1200**	**J**	1900	280	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Acenaphthylene	ND		1900	250	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Acetophenone	ND		1900	260	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Anthracene	**2900**		1900	480	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Atrazine	ND		1900	670	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Benzaldehyde	ND		1900	1500	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Benzo(a)anthracene	**6900**		1900	190	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Benzo(a)pyrene	**6400**		1900	280	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Benzo(b)fluoranthene	**7800**		1900	310	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Benzo(g,h,i)perylene	**3500**		1900	200	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Benzo(k)fluoranthene	**2800**		1900	250	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Biphenyl	ND		1900	280	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
bis (2-chloroisopropyl) ether	ND		1900	390	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Bis(2-chloroethoxy)methane	ND		1900	410	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Bis(2-chloroethyl)ether	ND		1900	250	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Bis(2-ethylhexyl) phthalate	ND		1900	660	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Butyl benzyl phthalate	ND		1900	320	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Caprolactam	ND		1900	580	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Carbazole	**1400**	**J**	1900	230	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Chrysene	**6400**		1900	430	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Dibenz(a,h)anthracene	**2000**		1900	340	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Dibenzofuran	**780**	**J**	1900	230	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Diethyl phthalate	ND		1900	250	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Dimethyl phthalate	ND		1900	230	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Di-n-butyl phthalate	ND		1900	330	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Di-n-octyl phthalate	ND		1900	230	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-0-4
Date Collected: 11/10/14 14:50
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-3
Matrix: Solid
Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**15000**		1900	200	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Fluorene	**1400**	**J**	1900	230	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Hexachlorobenzene	ND		1900	260	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Hexachlorobutadiene	ND		1900	280	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Hexachlorocyclopentadiene	ND		1900	260	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Hexachloroethane	ND		1900	250	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Indeno(1,2,3-cd)pyrene	**4100**		1900	240	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Isophorone	ND		1900	410	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Naphthalene	**760**	**J**	1900	250	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Nitrobenzene	ND		1900	220	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
N-Nitrosodi-n-propylamine	ND		1900	330	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
N-Nitrosodiphenylamine	ND		1900	1600	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Pentachlorophenol	ND		3800	1900	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Phenanthrene	**11000**		1900	280	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Phenol	ND		1900	300	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10
Pyrene	**12000**		1900	230	ug/Kg	☼	11/13/14 11:04	11/17/14 23:52	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetone	*160000*	*T J N*	*ug/Kg*	☼	*1.71*	*67-64-1*	*11/13/14 11:04*	*11/17/14 23:52*	*10*
Unknown	*1400000*	*T J B*	*ug/Kg*	☼	*1.80*		*11/13/14 11:04*	*11/17/14 23:52*	*10*
Unknown	*2500*	*T J*	*ug/Kg*	☼	*11.85*		*11/13/14 11:04*	*11/17/14 23:52*	*10*
Perylene	*3600*	*T J N*	*ug/Kg*	☼	*14.81*	*198-55-0*	*11/13/14 11:04*	*11/17/14 23:52*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*39 - 146*	*11/13/14 11:04*	*11/17/14 23:52*	*10*
2-Fluorobiphenyl	*95*		*37 - 120*	*11/13/14 11:04*	*11/17/14 23:52*	*10*
2-Fluorophenol	*91*		*18 - 120*	*11/13/14 11:04*	*11/17/14 23:52*	*10*
Nitrobenzene-d5	*81*		*34 - 132*	*11/13/14 11:04*	*11/17/14 23:52*	*10*
Phenol-d5	*87*		*11 - 120*	*11/13/14 11:04*	*11/17/14 23:52*	*10*
p-Terphenyl-d14	*97*		*65 - 153*	*11/13/14 11:04*	*11/17/14 23:52*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9860**		11.9	5.3	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Antimony	**6.3**	**J**	17.9	0.48	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Arsenic	**6.6**		2.4	0.48	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Barium	**526**		0.60	0.13	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Beryllium	**0.67**		0.24	0.033	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Cadmium	**1.1**		0.24	0.036	mg/Kg	☼	11/12/14 08:46	11/17/14 23:06	1
Calcium	**55400**	**B**	59.7	3.9	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Chromium	**13.2**		0.60	0.24	mg/Kg	☼	11/12/14 08:46	11/17/14 23:06	1
Cobalt	**6.8**		0.60	0.060	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Copper	**29.0**		1.2	0.25	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Iron	**34100**	**B**	11.9	1.3	mg/Kg	☼	11/12/14 08:46	11/17/14 23:06	1
Lead	**1010**		1.2	0.29	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Magnesium	**17500**		23.9	1.1	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Manganese	**531**		0.24	0.038	mg/Kg	☼	11/12/14 08:46	11/17/14 23:06	1
Nickel	**16.7**		6.0	0.27	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Potassium	**1560**		35.8	23.9	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Selenium	ND		4.8	0.48	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-0-4
Date Collected: 11/10/14 14:50
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-3
Matrix: Solid
Percent Solids: 85.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.72	0.24	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Sodium	**571**		167	15.5	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Thallium	ND		7.2	0.36	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Vanadium	**19.0**		0.60	0.13	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1
Zinc	**773**	**B**	2.4	0.18	mg/Kg	☼	11/12/14 08:46	11/14/14 13:04	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.20**		0.021	0.0087	mg/Kg	☼	11/13/14 10:30	11/13/14 13:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.2	0.56	mg/Kg	☼	11/19/14 11:26	11/20/14 12:30	1
Cyanide, Free	ND		2.4	0.12	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	**0.16**		0.047	0.042	mg/Kg	☼	11/17/14 12:13	11/19/14 16:00	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-4-8
Date Collected: 11/10/14 15:00
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-4
Matrix: Solid
Percent Solids: 75.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		2.7	0.14	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	**0.14**		0.052	0.047	mg/Kg	☼	11/17/14 12:13	11/19/14 16:01	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-8-12
Date Collected: 11/10/14 15:10
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-5
Matrix: Solid
Percent Solids: 53.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		3100	850	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
2,4,6-Trichlorophenol	ND		3100	630	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
2,4-Dichlorophenol	ND		3100	330	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
2,4-Dimethylphenol	ND		3100	760	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
2,4-Dinitrophenol	ND		6100	1900	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
2,4-Dinitrotoluene	ND		3100	650	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
2,6-Dinitrotoluene	ND		3100	370	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
2-Chloronaphthalene	ND		3100	520	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
2-Chlorophenol	ND		3100	570	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
2-Methylnaphthalene	ND		3100	630	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
2-Methylphenol	ND		3100	370	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
2-Nitroaniline	ND		6100	460	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
2-Nitrophenol	ND		3100	890	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
3,3'-Dichlorobenzidine	ND		6100	3700	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
3-Nitroaniline	ND		6100	870	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
4,6-Dinitro-2-methylphenol	ND		6100	3100	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
4-Bromophenyl phenyl ether	ND		3100	440	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
4-Chloro-3-methylphenol	ND		3100	780	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
4-Chloroaniline	ND		3100	780	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
4-Chlorophenyl phenyl ether	ND		3100	390	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
4-Methylphenol	ND		6100	370	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
4-Nitroaniline	ND		6100	1600	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
4-Nitrophenol	ND		6100	2200	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Acenaphthene	ND		3100	460	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Acenaphthylene	ND		3100	410	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Acetophenone	ND		3100	430	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Anthracene	ND		3100	780	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Atrazine	ND		3100	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Benzaldehyde	ND		3100	2500	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Benzo(a)anthracene	**450**	**J**	3100	310	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Benzo(a)pyrene	**1500**	**J**	3100	460	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Benzo(b)fluoranthene	**2300**	**J**	3100	500	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Benzo(g,h,i)perylene	ND		3100	330	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Benzo(k)fluoranthene	ND		3100	410	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Biphenyl	ND		3100	460	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
bis (2-chloroisopropyl) ether	ND		3100	630	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Bis(2-chloroethoxy)methane	ND		3100	670	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Bis(2-chloroethyl)ether	ND		3100	410	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Bis(2-ethylhexyl) phthalate	ND		3100	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Butyl benzyl phthalate	ND		3100	520	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Caprolactam	ND		3100	940	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Carbazole	ND		3100	370	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Chrysene	ND		3100	700	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Dibenz(a,h)anthracene	ND		3100	550	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Dibenzofuran	ND		3100	370	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Diethyl phthalate	ND		3100	410	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Dimethyl phthalate	ND		3100	370	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Di-n-butyl phthalate	ND		3100	540	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Di-n-octyl phthalate	ND		3100	370	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10

Client Sample ID: SO-06-1114-8-12
Date Collected: 11/10/14 15:10
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-5
Matrix: Solid
Percent Solids: 53.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1500**	**J**	3100	330	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Fluorene	ND		3100	370	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Hexachlorobenzene	ND		3100	430	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Hexachlorobutadiene	ND		3100	460	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Hexachlorocyclopentadiene	ND		3100	430	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Hexachloroethane	ND		3100	410	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Indeno(1,2,3-cd)pyrene	ND		3100	390	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Isophorone	ND		3100	670	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Naphthalene	ND		3100	410	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Nitrobenzene	ND		3100	350	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
N-Nitrosodi-n-propylamine	ND		3100	540	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
N-Nitrosodiphenylamine	ND		3100	2600	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Pentachlorophenol	ND		6100	3100	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Phenanthrene	**1100**	**J**	3100	460	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Phenol	ND		3100	480	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10
Pyrene	**1400**	**J**	3100	370	ug/Kg	☼	11/13/14 11:04	11/18/14 00:15	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetone	*380000*	*T J N*	*ug/Kg*	☼	*1.71*	*67-64-1*	*11/13/14 11:04*	*11/18/14 00:15*	*10*
Unknown	*490000*	*T J B*	*ug/Kg*	☼	*1.74*		*11/13/14 11:04*	*11/18/14 00:15*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*45*		*39 - 146*	*11/13/14 11:04*	*11/18/14 00:15*	*10*
2-Fluorobiphenyl	*87*		*37 - 120*	*11/13/14 11:04*	*11/18/14 00:15*	*10*
2-Fluorophenol	*69*		*18 - 120*	*11/13/14 11:04*	*11/18/14 00:15*	*10*
Nitrobenzene-d5	*76*		*34 - 132*	*11/13/14 11:04*	*11/18/14 00:15*	*10*
Phenol-d5	*82*		*11 - 120*	*11/13/14 11:04*	*11/18/14 00:15*	*10*
p-Terphenyl-d14	*95*		*65 - 153*	*11/13/14 11:04*	*11/18/14 00:15*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**22200**		18.7	8.2	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Antimony	**2.3**	**J**	28.0	0.75	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Arsenic	**57.2**		3.7	0.75	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Barium	**185**		0.93	0.21	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Beryllium	**2.4**		0.37	0.052	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Cadmium	**3.4**		0.37	0.056	mg/Kg	☼	11/12/14 08:46	11/17/14 23:09	1
Calcium	**156000**	**B**	93.3	6.2	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Chromium	**40.5**		0.93	0.37	mg/Kg	☼	11/12/14 08:46	11/17/14 23:09	1
Cobalt	**9.4**		0.93	0.093	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Copper	**46.6**		1.9	0.39	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Iron	**18700**	**B**	18.7	2.1	mg/Kg	☼	11/12/14 08:46	11/17/14 23:09	1
Lead	**141**		1.9	0.45	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Magnesium	**3800**		37.3	1.7	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Manganese	**212**		0.37	0.060	mg/Kg	☼	11/12/14 08:46	11/17/14 23:09	1
Nickel	**27.3**		9.3	0.43	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Potassium	**24600**		56.0	37.3	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Selenium	**4.2**	**J**	7.5	0.75	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Silver	**1.7**		1.1	0.37	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Sodium	**1300**		261	24.2	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-8-12
Date Collected: 11/10/14 15:10
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-5
Matrix: Solid
Percent Solids: 53.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	3.9	J	11.2	0.56	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Vanadium	51.7		0.93	0.21	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1
Zinc	615	B	3.7	0.29	mg/Kg	☼	11/12/14 08:46	11/14/14 13:07	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.059		0.037	0.015	mg/Kg	☼	11/13/14 10:30	11/13/14 13:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	2.2		1.8	0.87	mg/Kg	☼	11/22/14 11:02	11/24/14 13:00	1
Cyanide, Free	ND		3.8	0.19	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.074	0.067	mg/Kg	☼	11/17/14 12:13	11/19/14 15:55	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-12-16
Date Collected: 11/10/14 15:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-6
Matrix: Solid
Percent Solids: 72.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2300	610	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
2,4,6-Trichlorophenol	ND		2300	450	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
2,4-Dichlorophenol	ND		2300	240	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
2,4-Dimethylphenol	ND		2300	550	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
2,4-Dinitrophenol	ND		4400	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
2,4-Dinitrotoluene	ND		2300	470	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
2,6-Dinitrotoluene	ND		2300	270	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
2-Chloronaphthalene	ND		2300	370	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
2-Chlorophenol	ND		2300	410	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
2-Methylnaphthalene	ND		2300	450	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
2-Methylphenol	ND		2300	270	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
2-Nitroaniline	ND		4400	330	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
2-Nitrophenol	ND		2300	640	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
3,3'-Dichlorobenzidine	ND		4400	2700	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
3-Nitroaniline	ND		4400	630	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
4,6-Dinitro-2-methylphenol	ND		4400	2300	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
4-Bromophenyl phenyl ether	ND		2300	320	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
4-Chloro-3-methylphenol	ND		2300	560	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
4-Chloroaniline	ND		2300	560	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
4-Chlorophenyl phenyl ether	ND		2300	280	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
4-Methylphenol	ND		4400	270	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
4-Nitroaniline	ND		4400	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
4-Nitrophenol	ND		4400	1600	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Acenaphthene	ND		2300	330	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Acenaphthylene	ND		2300	290	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Acetophenone	ND		2300	310	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Anthracene	ND		2300	560	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Atrazine	ND		2300	790	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Benzaldehyde	ND		2300	1800	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Benzo(a)anthracene	ND		2300	230	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Benzo(a)pyrene	ND		2300	330	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Benzo(b)fluoranthene	ND		2300	360	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Benzo(g,h,i)perylene	ND		2300	240	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Benzo(k)fluoranthene	ND		2300	290	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Biphenyl	ND		2300	330	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
bis (2-chloroisopropyl) ether	ND		2300	450	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Bis(2-chloroethoxy)methane	ND		2300	480	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Bis(2-chloroethyl)ether	ND		2300	290	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Bis(2-ethylhexyl) phthalate	ND		2300	770	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Butyl benzyl phthalate	ND		2300	370	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Caprolactam	ND		2300	680	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Carbazole	ND		2300	270	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Chrysene	ND		2300	510	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Dibenz(a,h)anthracene	ND		2300	400	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Dibenzofuran	ND		2300	270	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Diethyl phthalate	ND		2300	290	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Dimethyl phthalate	ND		2300	270	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Di-n-butyl phthalate	ND		2300	390	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Di-n-octyl phthalate	ND		2300	270	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10

Client Sample ID: SO-06-1114-12-16
Date Collected: 11/10/14 15:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-6
Matrix: Solid
Percent Solids: 72.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		2300	240	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Fluorene	ND		2300	270	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Hexachlorobenzene	ND		2300	310	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Hexachlorobutadiene	ND		2300	330	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Hexachlorocyclopentadiene	ND		2300	310	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Hexachloroethane	ND		2300	290	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Indeno(1,2,3-cd)pyrene	ND		2300	280	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Isophorone	ND		2300	480	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Naphthalene	ND		2300	290	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Nitrobenzene	ND		2300	250	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
N-Nitrosodi-n-propylamine	ND		2300	390	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
N-Nitrosodiphenylamine	ND		2300	1800	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Pentachlorophenol	ND		4400	2300	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Phenanthrene	ND		2300	330	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Phenol	ND		2300	350	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10
Pyrene	ND		2300	270	ug/Kg	☼	11/13/14 11:04	11/18/14 00:39	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetone	*230000*	*T J N*	*ug/Kg*	☼	*1.71*	*67-64-1*	*11/13/14 11:04*	*11/18/14 00:39*	*10*
Unknown	*2800*	*T J B*	*ug/Kg*	☼	*2.48*		*11/13/14 11:04*	*11/18/14 00:39*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*49*		*39 - 146*	*11/13/14 11:04*	*11/18/14 00:39*	*10*
2-Fluorobiphenyl	*82*		*37 - 120*	*11/13/14 11:04*	*11/18/14 00:39*	*10*
2-Fluorophenol	*74*		*18 - 120*	*11/13/14 11:04*	*11/18/14 00:39*	*10*
Nitrobenzene-d5	*70*		*34 - 132*	*11/13/14 11:04*	*11/18/14 00:39*	*10*
Phenol-d5	*73*		*11 - 120*	*11/13/14 11:04*	*11/18/14 00:39*	*10*
p-Terphenyl-d14	*96*		*65 - 153*	*11/13/14 11:04*	*11/18/14 00:39*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5910**		13.1	5.8	mg/Kg	☼	11/12/14 08:46	11/14/14 13:10	1
Antimony	**19.5**	**J**	98.0	2.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Arsenic	**28.9**		2.6	0.52	mg/Kg	☼	11/12/14 08:46	11/14/14 13:10	1
Barium	**115**		0.65	0.14	mg/Kg	☼	11/12/14 08:46	11/14/14 13:10	1
Beryllium	**1.7**		0.26	0.037	mg/Kg	☼	11/12/14 08:46	11/14/14 13:10	1
Cadmium	**4.9**		1.3	0.20	mg/Kg	☼	11/12/14 08:46	11/28/14 09:56	5
Calcium	**37600**	**B**	65.3	4.3	mg/Kg	☼	11/12/14 08:46	11/14/14 13:10	1
Chromium	**12.8**	**^**	3.3	1.3	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Cobalt	**11.8**		3.3	0.33	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Copper	**30.4**		6.5	1.4	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Iron	**310000**	**^ B**	65.3	7.2	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Lead	**185**		6.5	1.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Magnesium	**10300**		131	6.1	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Manganese	**7280**	**^**	1.3	0.21	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Nickel	**19.3**	**J**	32.7	1.5	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Potassium	**2750**		39.2	26.1	mg/Kg	☼	11/12/14 08:46	11/14/14 13:10	1
Selenium	**7.3**	**J**	26.1	2.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Silver	ND		3.9	1.3	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Sodium	**329**		183	17.0	mg/Kg	☼	11/12/14 08:46	11/14/14 13:10	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-12-16
Date Collected: 11/10/14 15:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-6
Matrix: Solid
Percent Solids: 72.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		39.2	2.0	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Vanadium	**18.3**		3.3	0.72	mg/Kg	☼	11/12/14 08:46	11/14/14 13:13	5
Zinc	**406**	**B**	2.6	0.20	mg/Kg	☼	11/12/14 08:46	11/14/14 13:10	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.034**		0.026	0.011	mg/Kg	☼	11/13/14 10:30	11/13/14 13:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.3	0.63	mg/Kg	☼	11/19/14 11:26	11/20/14 12:34	1
Cyanide, Free	ND		2.9	0.14	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.055	0.049	mg/Kg	☼	11/17/14 12:13	11/19/14 16:03	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-16-20
Date Collected: 11/10/14 15:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-7
Matrix: Solid
Percent Solids: 71.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		230	63	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
2,4,6-Trichlorophenol	ND		230	46	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
2,4-Dichlorophenol	ND		230	25	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
2,4-Dimethylphenol	ND		230	56	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
2,4-Dinitrophenol	ND		450	140	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
2,4-Dinitrotoluene	ND		230	48	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
2,6-Dinitrotoluene	ND		230	27	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
2-Chloronaphthalene	ND		230	38	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
2-Chlorophenol	ND		230	42	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
2-Methylnaphthalene	ND		230	46	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
2-Methylphenol	ND		230	27	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
2-Nitroaniline	ND		450	34	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
2-Nitrophenol	ND		230	65	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
3,3'-Dichlorobenzidine	ND		450	270	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
3-Nitroaniline	ND		450	64	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
4,6-Dinitro-2-methylphenol	ND		450	230	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
4-Bromophenyl phenyl ether	ND		230	33	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
4-Chloro-3-methylphenol	ND		230	57	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
4-Chloroaniline	ND		230	57	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
4-Chlorophenyl phenyl ether	ND		230	29	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
4-Methylphenol	ND		450	27	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
4-Nitroaniline	ND		450	120	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
4-Nitrophenol	ND		450	160	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Acenaphthene	ND		230	34	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Acenaphthylene	ND		230	30	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Acetophenone	ND		230	31	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Anthracene	ND		230	57	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Atrazine	ND		230	80	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Benzaldehyde	ND		230	180	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Benzo(a)anthracene	ND		230	23	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Benzo(a)pyrene	ND		230	34	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Benzo(b)fluoranthene	ND		230	37	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Benzo(g,h,i)perylene	ND		230	25	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Benzo(k)fluoranthene	ND		230	30	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Biphenyl	ND		230	34	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
bis (2-chloroisopropyl) ether	ND		230	46	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Bis(2-chloroethoxy)methane	ND		230	49	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Bis(2-chloroethyl)ether	ND		230	30	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Bis(2-ethylhexyl) phthalate	ND		230	79	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Butyl benzyl phthalate	ND		230	38	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Caprolactam	ND		230	70	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Carbazole	ND		230	27	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Chrysene	ND		230	52	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Dibenz(a,h)anthracene	ND		230	41	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Dibenzofuran	ND		230	27	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Diethyl phthalate	ND		230	30	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Dimethyl phthalate	ND		230	27	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Di-n-butyl phthalate	ND		230	40	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Di-n-octyl phthalate	ND		230	27	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-16-20
Date Collected: 11/10/14 15:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-7
Matrix: Solid
Percent Solids: 71.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		230	25	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Fluorene	ND		230	27	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Hexachlorobenzene	ND		230	31	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Hexachlorobutadiene	ND		230	34	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Hexachlorocyclopentadiene	ND		230	31	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Hexachloroethane	ND		230	30	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Indeno(1,2,3-cd)pyrene	ND		230	29	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Isophorone	ND		230	49	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Naphthalene	ND		230	30	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Nitrobenzene	ND		230	26	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
N-Nitrosodi-n-propylamine	ND		230	40	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
N-Nitrosodiphenylamine	ND		230	190	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Pentachlorophenol	ND		450	230	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Phenanthrene	ND		230	34	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Phenol	ND		230	35	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1
Pyrene	ND		230	27	ug/Kg	☼	11/13/14 11:04	11/18/14 01:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*88000*	*T J B*	*ug/Kg*	☼	*1.81*		*11/13/14 11:04*	*11/18/14 01:03*	*1*
Unknown	*320000*	*T J*	*ug/Kg*	☼	*1.85*		*11/13/14 11:04*	*11/18/14 01:03*	*1*
Unknown	*1300*	*T J B*	*ug/Kg*	☼	*2.28*		*11/13/14 11:04*	*11/18/14 01:03*	*1*
Unknown	*2800*	*T J B*	*ug/Kg*	☼	*2.45*		*11/13/14 11:04*	*11/18/14 01:03*	*1*
Unknown	*280*	*T J B*	*ug/Kg*	☼	*4.19*		*11/13/14 11:04*	*11/18/14 01:03*	*1*
Hexadecane	*72*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 11:04*	*11/18/14 01:03*	*1*
n-Octadecane	*100*	*J*	*ug/Kg*	☼	*11.18*	*593-45-3*	*11/13/14 11:04*	*11/18/14 01:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*93*		*39 - 146*	*11/13/14 11:04*	*11/18/14 01:03*	*1*
2-Fluorobiphenyl	*94*		*37 - 120*	*11/13/14 11:04*	*11/18/14 01:03*	*1*
2-Fluorophenol	*92*		*18 - 120*	*11/13/14 11:04*	*11/18/14 01:03*	*1*
Nitrobenzene-d5	*85*		*34 - 132*	*11/13/14 11:04*	*11/18/14 01:03*	*1*
Phenol-d5	*94*		*11 - 120*	*11/13/14 11:04*	*11/18/14 01:03*	*1*
p-Terphenyl-d14	*100*		*65 - 153*	*11/13/14 11:04*	*11/18/14 01:03*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7440**		14.0	6.2	mg/Kg	☼	11/12/14 08:46	11/14/14 13:23	1
Antimony	**13.1**	**J**	105	2.8	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5
Arsenic	**24.5**		2.8	0.56	mg/Kg	☼	11/12/14 08:46	11/14/14 13:23	1
Barium	**109**		0.70	0.15	mg/Kg	☼	11/12/14 08:46	11/14/14 13:23	1
Beryllium	**1.4**		0.28	0.039	mg/Kg	☼	11/12/14 08:46	11/14/14 13:23	1
Cadmium	**4.1**		1.4	0.21	mg/Kg	☼	11/12/14 08:46	11/28/14 09:59	5
Calcium	**28200**	**B**	70.1	4.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:23	1
Chromium	**17.3**		3.5	1.4	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5
Cobalt	**12.3**		3.5	0.35	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5
Copper	**31.2**		7.0	1.5	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5
Iron	**232000**	**^ B**	70.1	7.7	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5
Lead	**158**		7.0	1.7	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5
Magnesium	**6860**		140	6.5	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5
Manganese	**7220**	**^**	1.4	0.22	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-16-20
Date Collected: 11/10/14 15:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-7
Matrix: Solid
Percent Solids: 71.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	23.2	J	35.0	1.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5
Potassium	5240		42.0	28.0	mg/Kg	☼	11/12/14 08:46	11/14/14 13:23	1
Selenium	7.1	J	28.0	2.8	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5
Silver	ND		4.2	1.4	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5
Sodium	380		196	18.2	mg/Kg	☼	11/12/14 08:46	11/14/14 13:23	1
Thallium	ND		42.0	2.1	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5
Vanadium	22.5		3.5	0.77	mg/Kg	☼	11/12/14 08:46	11/14/14 13:26	5
Zinc	391	B	2.8	0.21	mg/Kg	☼	11/12/14 08:46	11/14/14 13:23	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.034		0.028	0.011	mg/Kg	☼	11/13/14 10:30	11/13/14 13:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	2.3		1.4	0.67	mg/Kg	☼	11/20/14 11:59	11/20/14 14:44	1
Cyanide, Free	ND		3.0	0.15	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.056	0.050	mg/Kg	☼	11/17/14 12:13	11/19/14 16:04	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SE-CB01-1114
Date Collected: 11/11/14 08:23
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-8
Matrix: Solid
Percent Solids: 79.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2100	570	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
2,4,6-Trichlorophenol	ND		2100	420	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
2,4-Dimethylphenol	ND		2100	510	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
2,4-Dinitrophenol	ND		4100	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
2,4-Dinitrotoluene	ND		2100	440	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
2,6-Dinitrotoluene	ND		2100	250	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
2-Chloronaphthalene	ND		2100	350	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
2-Chlorophenol	ND		2100	390	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
2-Methylnaphthalene	ND		2100	420	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
2-Methylphenol	ND		2100	250	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
2-Nitroaniline	ND		4100	310	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
2-Nitrophenol	ND		2100	600	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
3,3'-Dichlorobenzidine	ND		4100	2500	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
3-Nitroaniline	ND		4100	590	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
4,6-Dinitro-2-methylphenol	ND		4100	2100	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
4-Bromophenyl phenyl ether	ND		2100	300	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
4-Chloro-3-methylphenol	ND		2100	520	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
4-Chloroaniline	ND		2100	520	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
4-Methylphenol	ND		4100	250	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
4-Nitroaniline	ND		4100	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
4-Nitrophenol	ND		4100	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Acenaphthene	ND		2100	310	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Acenaphthylene	ND		2100	270	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Acetophenone	ND		2100	290	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Anthracene	ND		2100	520	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Atrazine	ND		2100	740	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Benzaldehyde	ND		2100	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Benzo(a)anthracene	ND		2100	210	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Benzo(a)pyrene	ND		2100	310	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Benzo(b)fluoranthene	ND		2100	340	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Benzo(g,h,i)perylene	ND		2100	220	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Benzo(k)fluoranthene	ND		2100	270	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Biphenyl	ND		2100	310	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
bis (2-chloroisopropyl) ether	ND		2100	420	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Bis(2-chloroethoxy)methane	ND		2100	450	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Bis(2-ethylhexyl) phthalate	ND		2100	720	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Butyl benzyl phthalate	ND		2100	350	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Caprolactam	ND		2100	640	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Carbazole	ND		2100	250	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Chrysene	ND		2100	470	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Dibenz(a,h)anthracene	ND		2100	370	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Dibenzofuran	ND		2100	250	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Diethyl phthalate	ND		2100	270	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Dimethyl phthalate	ND		2100	250	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Di-n-butyl phthalate	ND		2100	360	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Di-n-octyl phthalate	ND		2100	250	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10

Client Sample ID: SE-CB01-1114
Date Collected: 11/11/14 08:23
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-8
Matrix: Solid
Percent Solids: 79.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		2100	220	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Fluorene	ND		2100	250	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Hexachlorobenzene	ND		2100	290	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Hexachlorocyclopentadiene	ND		2100	290	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Hexachloroethane	ND		2100	270	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Indeno(1,2,3-cd)pyrene	ND		2100	260	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Isophorone	ND		2100	450	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Naphthalene	ND		2100	270	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Nitrobenzene	ND		2100	240	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
N-Nitrosodi-n-propylamine	ND		2100	360	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Pentachlorophenol	ND		4100	2100	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Phenanthrene	ND		2100	310	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Phenol	ND		2100	320	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10
Pyrene	ND		2100	250	ug/Kg	☼	11/13/14 11:04	11/18/14 01:27	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*170000*	*T J*	*ug/Kg*	☼	*1.71*		*11/13/14 11:04*	*11/18/14 01:27*	*10*
Unknown	*780000*	*T J B*	*ug/Kg*	☼	*1.76*		*11/13/14 11:04*	*11/18/14 01:27*	*10*
Unknown	*2800*	*T J B*	*ug/Kg*	☼	*2.47*		*11/13/14 11:04*	*11/18/14 01:27*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*73*		*39 - 146*	*11/13/14 11:04*	*11/18/14 01:27*	*10*
2-Fluorobiphenyl	*93*		*37 - 120*	*11/13/14 11:04*	*11/18/14 01:27*	*10*
2-Fluorophenol	*87*		*18 - 120*	*11/13/14 11:04*	*11/18/14 01:27*	*10*
Nitrobenzene-d5	*82*		*34 - 132*	*11/13/14 11:04*	*11/18/14 01:27*	*10*
Phenol-d5	*92*		*11 - 120*	*11/13/14 11:04*	*11/18/14 01:27*	*10*
p-Terphenyl-d14	*99*		*65 - 153*	*11/13/14 11:04*	*11/18/14 01:27*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3070**		12.8	5.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Antimony	**0.74**	**J**	19.2	0.51	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Arsenic	**2.7**		2.6	0.51	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Barium	**21.8**		0.64	0.14	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Beryllium	**0.18**	**J**	0.26	0.036	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Cadmium	**0.28**		0.26	0.038	mg/Kg	☼	11/12/14 08:46	12/01/14 11:17	1
Calcium	**39600**	**B**	64.1	4.2	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Chromium	**4.5**		0.64	0.26	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Cobalt	**2.6**		0.64	0.064	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Copper	**10.3**		1.3	0.27	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Iron	**8080**	**B ^**	12.8	1.4	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Lead	**11.2**		1.3	0.31	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Magnesium	**9900**		25.6	1.2	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Manganese	**168**	**^**	0.26	0.041	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Nickel	**6.4**		6.4	0.29	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Potassium	**380**		38.5	25.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Selenium	ND		5.1	0.51	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Silver	ND		0.77	0.26	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SE-CB01-1114
Date Collected: 11/11/14 08:23
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-8
Matrix: Solid
Percent Solids: 79.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	51.8	J	179	16.7	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Thallium	ND		7.7	0.38	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Vanadium	6.3		0.64	0.14	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1
Zinc	47.5	B	2.6	0.20	mg/Kg	☼	11/12/14 08:46	11/14/14 13:29	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.021	J	0.025	0.010	mg/Kg	☼	11/13/14 10:30	11/13/14 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	J	1.2	0.60	mg/Kg	☼	11/20/14 11:59	11/20/14 14:45	1
Cyanide, Free	ND		2.7	0.14	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.050	0.045	mg/Kg	☼	11/17/14 12:13	11/19/14 16:06	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-4-8
Date Collected: 11/11/14 10:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-9
Matrix: Solid
Percent Solids: 72.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		7000	1900	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
2,4,6-Trichlorophenol	ND		7000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
2,4-Dichlorophenol	ND		7000	740	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
2,4-Dimethylphenol	ND		7000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
2,4-Dinitrophenol	ND		14000	4200	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
2,4-Dinitrotoluene	ND		7000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
2,6-Dinitrotoluene	ND		7000	820	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
2-Chloronaphthalene	ND		7000	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
2-Chlorophenol	ND		7000	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
2-Methylnaphthalene	**3900**	**J**	7000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
2-Methylphenol	ND		7000	820	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
2-Nitroaniline	ND		14000	1000	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
2-Nitrophenol	ND		7000	2000	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
3,3'-Dichlorobenzidine	ND		14000	8200	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
3-Nitroaniline	ND		14000	1900	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
4,6-Dinitro-2-methylphenol	ND		14000	7000	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
4-Bromophenyl phenyl ether	ND		7000	980	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
4-Chloro-3-methylphenol	ND		7000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
4-Chloroaniline	ND		7000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
4-Chlorophenyl phenyl ether	ND		7000	860	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
4-Methylphenol	ND		14000	820	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
4-Nitroaniline	ND		14000	3700	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
4-Nitrophenol	ND		14000	4900	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Acenaphthene	**2300**	**J**	7000	1000	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Acenaphthylene	**1500**	**J**	7000	900	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Acetophenone	ND		7000	940	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Anthracene	**9500**		7000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Atrazine	ND		7000	2400	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Benzaldehyde	ND		7000	5500	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Benzo(a)anthracene	**7300**		7000	700	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Benzo(a)pyrene	ND		7000	1000	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Benzo(b)fluoranthene	ND		7000	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Benzo(g,h,i)perylene	ND		7000	740	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Benzo(k)fluoranthene	ND		7000	900	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Biphenyl	**3900**	**J**	7000	1000	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
bis (2-chloroisopropyl) ether	ND		7000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Bis(2-chloroethoxy)methane	ND		7000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Bis(2-chloroethyl)ether	ND		7000	900	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Bis(2-ethylhexyl) phthalate	ND		7000	2400	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Butyl benzyl phthalate	ND		7000	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Caprolactam	ND		7000	2100	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Carbazole	ND		7000	820	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Chrysene	**14000**		7000	1600	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Dibenz(a,h)anthracene	ND		7000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Dibenzofuran	**3400**	**J**	7000	820	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Diethyl phthalate	ND		7000	900	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Dimethyl phthalate	ND		7000	820	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Di-n-butyl phthalate	ND		7000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Di-n-octyl phthalate	ND		7000	820	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-4-8
Date Collected: 11/11/14 10:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-9
Matrix: Solid
Percent Solids: 72.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**31000**		7000	740	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Fluorene	**16000**		7000	820	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Hexachlorobenzene	ND		7000	940	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Hexachlorobutadiene	ND		7000	1000	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Hexachlorocyclopentadiene	ND		7000	940	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Hexachloroethane	ND		7000	900	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Indeno(1,2,3-cd)pyrene	ND		7000	860	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Isophorone	ND		7000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Naphthalene	ND		7000	900	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Nitrobenzene	ND		7000	780	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
N-Nitrosodi-n-propylamine	ND		7000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
N-Nitrosodiphenylamine	ND		7000	5700	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Pentachlorophenol	ND		14000	7000	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Phenanthrene	**35000**		7000	1000	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Phenol	ND		7000	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5
Pyrene	**15000**		7000	820	ug/Kg	☼	11/13/14 11:04	11/18/14 01:51	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetone	*23000*	*T J N*	*ug/Kg*	☼	*1.71*	*67-64-1*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Unknown	*23000*	*T J*	*ug/Kg*	☼	*10.01*		*11/13/14 11:04*	*11/18/14 01:51*	*5*
Hexadecane	*76000*		*ug/Kg*	☼	*10.22*	*544-76-3*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Pentadecane	*32000*	*T J N*	*ug/Kg*	☼	*10.46*	*629-62-9*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Diallate	*33000*		*ug/Kg*	☼	*10.70*	*2303-16-4*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Heptadecane	*130000*	*T J N*	*ug/Kg*	☼	*10.73*	*629-78-7*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Naphthalene, 1-methyl-7-(1-methylethyl)-n-Octadecane	*28000* *130000*	*T J N*	*ug/Kg*	☼	*11.01* *11.20*	*490-65-3* *593-45-3*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Hexadecane, 2,6,10,14-tetramethyl-	*44000*	*T J N*	*ug/Kg*	☼	*11.22*	*638-36-8*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Unknown	*30000*	*T J*	*ug/Kg*	☼	*11.57*		*11/13/14 11:04*	*11/18/14 01:51*	*5*
Nonadecane	*74000*	*T J N*	*ug/Kg*	☼	*11.61*	*629-92-5*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Nonadecane	*72000*	*T J N*	*ug/Kg*	☼	*12.00*	*629-92-5*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Unknown	*45000*	*T J*	*ug/Kg*	☼	*12.14*		*11/13/14 11:04*	*11/18/14 01:51*	*5*
Heneicosane	*47000*	*T J N*	*ug/Kg*	☼	*12.35*	*629-94-7*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Octacosane	*62000*	*T J N*	*ug/Kg*	☼	*12.78*	*630-02-4*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Heptadecane, 9-octyl-	*45000*	*T J N*	*ug/Kg*	☼	*13.10*	*7225-64-1*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Octadecane	*64000*	*T J N*	*ug/Kg*	☼	*14.21*	*593-45-3*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Unknown	*23000*	*T J*	*ug/Kg*	☼	*15.05*		*11/13/14 11:04*	*11/18/14 01:51*	*5*
Unknown	*55000*	*T J*	*ug/Kg*	☼	*15.47*		*11/13/14 11:04*	*11/18/14 01:51*	*5*
Unknown	*27000*	*T J*	*ug/Kg*	☼	*15.77*		*11/13/14 11:04*	*11/18/14 01:51*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*39 - 146*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
2-Fluorobiphenyl	*94*		*37 - 120*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
2-Fluorophenol	*39*		*18 - 120*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Nitrobenzene-d5	*61*		*34 - 132*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
Phenol-d5	*44*		*11 - 120*	*11/13/14 11:04*	*11/18/14 01:51*	*5*
p-Terphenyl-d14	*0*	*X*	*65 - 153*	*11/13/14 11:04*	*11/18/14 01:51*	*5*

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-4-8
Date Collected: 11/11/14 10:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-9
Matrix: Solid
Percent Solids: 72.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7900		13.6	6.0	mg/Kg	☼	11/12/14 08:46	11/14/14 13:32	1
Antimony	14.5	J	102	2.7	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5
Arsenic	16.3		2.7	0.54	mg/Kg	☼	11/12/14 08:46	11/14/14 13:32	1
Barium	70.3		0.68	0.15	mg/Kg	☼	11/12/14 08:46	11/14/14 13:32	1
Beryllium	1.8		0.27	0.038	mg/Kg	☼	11/12/14 08:46	11/14/14 13:32	1
Cadmium	36.9	^	1.4	0.20	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5
Calcium	34300	B	67.8	4.5	mg/Kg	☼	11/12/14 08:46	11/14/14 13:32	1
Chromium	44.6		3.4	1.4	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5
Cobalt	5.0		3.4	0.34	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5
Copper	141		6.8	1.4	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5
Iron	173000	^ B	67.8	7.5	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5
Lead	5810		6.8	1.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5
Magnesium	10400		136	6.3	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5
Manganese	3130	^	1.4	0.22	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5
Nickel	36.3		33.9	1.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5
Potassium	1420		40.7	27.1	mg/Kg	☼	11/12/14 08:46	11/14/14 13:32	1
Selenium	11.8		5.4	0.54	mg/Kg	☼	11/12/14 08:46	11/14/14 13:32	1
Silver	5.1		0.81	0.27	mg/Kg	☼	11/12/14 08:46	11/14/14 13:32	1
Sodium	181	J	190	17.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:32	1
Thallium	11.8	J	40.7	2.0	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5
Vanadium	12.1		3.4	0.75	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5
Zinc	7410	B	13.6	1.0	mg/Kg	☼	11/12/14 08:46	11/14/14 13:34	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.15		0.025	0.010	mg/Kg	☼	11/13/14 10:30	11/13/14 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	34.4		1.4	0.66	mg/Kg	☼	11/20/14 11:59	11/20/14 14:46	1
Cyanide, Free	ND		3.0	0.15	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.055	0.050	mg/Kg	☼	11/17/14 12:13	11/19/14 16:07	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-8-12
Date Collected: 11/11/14 10:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-10
Matrix: Solid
Percent Solids: 67.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		250	68	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
2,4,6-Trichlorophenol	ND		250	50	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
2,4-Dichlorophenol	ND		250	27	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
2,4-Dimethylphenol	ND		250	60	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
2,4-Dinitrophenol	ND		490	150	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
2,4-Dinitrotoluene	ND		250	52	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
2,6-Dinitrotoluene	ND		250	29	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
2-Chloronaphthalene	ND		250	41	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
2-Chlorophenol	ND		250	46	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
2-Methylnaphthalene	ND		250	50	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
2-Methylphenol	ND		250	29	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
2-Nitroaniline	ND		490	37	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
2-Nitrophenol	ND		250	71	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
3,3'-Dichlorobenzidine	ND		490	290	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
3-Nitroaniline	ND		490	69	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
4,6-Dinitro-2-methylphenol	ND		490	250	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
4-Bromophenyl phenyl ether	ND		250	35	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
4-Chloro-3-methylphenol	ND		250	62	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
4-Chloroaniline	ND		250	62	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
4-Chlorophenyl phenyl ether	ND		250	31	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
4-Methylphenol	ND		490	29	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
4-Nitroaniline	ND		490	130	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
4-Nitrophenol	ND		490	180	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Acenaphthene	**37**	**J**	250	37	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Acenaphthylene	ND		250	32	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Acetophenone	ND		250	34	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Anthracene	ND		250	62	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Atrazine	ND		250	87	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Benzaldehyde	ND		250	200	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Benzo(a)anthracene	**70**	**J**	250	25	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Benzo(a)pyrene	ND		250	37	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Benzo(b)fluoranthene	ND		250	40	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Benzo(g,h,i)perylene	ND		250	27	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Benzo(k)fluoranthene	ND		250	32	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Biphenyl	ND		250	37	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
bis (2-chloroisopropyl) ether	ND		250	50	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Bis(2-chloroethoxy)methane	ND		250	53	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Bis(2-chloroethyl)ether	ND		250	32	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Bis(2-ethylhexyl) phthalate	ND		250	85	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Butyl benzyl phthalate	ND		250	41	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Caprolactam	ND		250	75	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Carbazole	ND		250	29	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Chrysene	**110**	**J**	250	56	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Dibenz(a,h)anthracene	ND		250	44	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Dibenzofuran	ND		250	29	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Diethyl phthalate	ND		250	32	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Dimethyl phthalate	ND		250	29	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Di-n-butyl phthalate	ND		250	43	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Di-n-octyl phthalate	ND		250	29	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1

Client Sample ID: SO-08-1114-8-12
Date Collected: 11/11/14 10:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-10
Matrix: Solid
Percent Solids: 67.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**280**		250	27	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Fluorene	**66**	**J**	250	29	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Hexachlorobenzene	ND		250	34	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Hexachlorobutadiene	ND		250	37	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Hexachlorocyclopentadiene	ND		250	34	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Hexachloroethane	ND		250	32	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Indeno(1,2,3-cd)pyrene	ND		250	31	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Isophorone	ND		250	53	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Naphthalene	ND		250	32	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Nitrobenzene	ND		250	28	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
N-Nitrosodi-n-propylamine	ND		250	43	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
N-Nitrosodiphenylamine	ND		250	200	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Pentachlorophenol	ND		490	250	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Phenanthrene	**190**	**J**	250	37	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Phenol	ND		250	38	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1
Pyrene	**160**	**J**	250	29	ug/Kg	☼	11/13/14 11:04	11/18/14 02:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*98000*	*T J*	*ug/Kg*	☼	*1.70*		*11/13/14 11:04*	*11/18/14 02:14*	*1*
Unknown	*92000*	*T J B*	*ug/Kg*	☼	*1.81*		*11/13/14 11:04*	*11/18/14 02:14*	*1*
Unknown	*410000*	*T J*	*ug/Kg*	☼	*1.85*		*11/13/14 11:04*	*11/18/14 02:14*	*1*
Unknown	*4000*	*T J*	*ug/Kg*	☼	*2.28*		*11/13/14 11:04*	*11/18/14 02:14*	*1*
Unknown	*3600*	*T J*	*ug/Kg*	☼	*2.45*		*11/13/14 11:04*	*11/18/14 02:14*	*1*
Hexadecane	*1400*		*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
Pentadecane, 2,6,10-trimethyl-	*1000*	*T J N*	*ug/Kg*	☼	*10.46*	*3892-00-0*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
Pentadecane, 2,6,10,14-tetramethyl-	*3400*	*T J N*	*ug/Kg*	☼	*10.73*	*1921-70-6*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*11.02*		*11/13/14 11:04*	*11/18/14 02:14*	*1*
n-Octadecane	*2300*		*ug/Kg*	☼	*11.18*	*593-45-3*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
Nonane, 5-butyl-	*1700*	*T J N*	*ug/Kg*	☼	*11.22*	*17312-63-9*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
Nonadecane	*2100*	*T J N*	*ug/Kg*	☼	*11.60*	*629-92-5*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
Eicosane	*1800*	*T J N*	*ug/Kg*	☼	*11.99*	*112-95-8*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
Unknown	*1400*	*T J*	*ug/Kg*	☼	*12.13*		*11/13/14 11:04*	*11/18/14 02:14*	*1*
Tetrapentacontane, 1,54-dibromo-	*1400*	*T J N*	*ug/Kg*	☼	*13.09*	*1000156-09-4*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
Docosane	*1900*	*T J N*	*ug/Kg*	☼	*13.54*	*629-97-0*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
Tetracosane	*1300*	*T J N*	*ug/Kg*	☼	*13.93*	*646-31-1*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
28-Nor-17.alpha.(H)-hopane	*2500*	*T J N*	*ug/Kg*	☼	*15.45*	*53584-60-4*	*11/13/14 11:04*	*11/18/14 02:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*16*	*X*	*39 - 146*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
2-Fluorobiphenyl	*109*		*37 - 120*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
2-Fluorophenol	*75*		*18 - 120*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
Nitrobenzene-d5	*96*		*34 - 132*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
Phenol-d5	*98*		*11 - 120*	*11/13/14 11:04*	*11/18/14 02:14*	*1*
p-Terphenyl-d14	*108*		*65 - 153*	*11/13/14 11:04*	*11/18/14 02:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**20000**		14.8	6.5	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Antimony	**7.2**	**J**	22.2	0.59	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-8-12
Date Collected: 11/11/14 10:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-10
Matrix: Solid
Percent Solids: 67.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	50.1		3.0	0.59	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Barium	142		0.74	0.16	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Beryllium	2.7		0.30	0.041	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Cadmium	15.8	^	0.30	0.044	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Calcium	171000	B	370	24.4	mg/Kg	☼	11/12/14 08:46	11/14/14 13:40	5
Chromium	51.4		0.74	0.30	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Cobalt	15.0		0.74	0.074	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Copper	125		1.5	0.31	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Iron	88000	B ^	14.8	1.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Lead	1790		1.5	0.35	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Magnesium	5940		29.6	1.4	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Manganese	2230		0.30	0.047	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Nickel	54.8		7.4	0.34	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Potassium	5220		44.4	29.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Selenium	7.0		5.9	0.59	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Silver	4.6		0.89	0.30	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Sodium	358		207	19.2	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Thallium	6.4	J	8.9	0.44	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Vanadium	43.4		0.74	0.16	mg/Kg	☼	11/12/14 08:46	11/14/14 13:37	1
Zinc	3440	B	14.8	1.1	mg/Kg	☼	11/12/14 08:46	11/14/14 13:40	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.081		0.028	0.011	mg/Kg	☼	11/13/14 10:30	11/13/14 13:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	3.3		1.5	0.71	mg/Kg	☼	11/20/14 11:59	11/20/14 14:48	1
Cyanide, Free	ND		3.2	0.16	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.060	0.054	mg/Kg	☼	11/17/14 12:13	11/19/14 16:09	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-12-16
Date Collected: 11/11/14 10:40
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-11
Matrix: Solid
Percent Solids: 41.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		410	110	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
2,4,6-Trichlorophenol	ND		410	82	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
2,4-Dichlorophenol	ND		410	43	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
2,4-Dimethylphenol	ND		410	99	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
2,4-Dinitrophenol	ND		800	250	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
2,4-Dinitrotoluene	ND		410	84	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
2,6-Dinitrotoluene	ND		410	48	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
2-Chloronaphthalene	ND		410	67	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
2-Chlorophenol	ND		410	75	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
2-Methylnaphthalene	ND		410	82	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
2-Methylphenol	ND		410	48	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
2-Nitroaniline	ND		800	60	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
2-Nitrophenol	ND		410	120	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
3,3'-Dichlorobenzidine	ND		800	480	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
3-Nitroaniline	ND		800	110	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
4,6-Dinitro-2-methylphenol	ND		800	410	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
4-Bromophenyl phenyl ether	ND		410	58	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
4-Chloro-3-methylphenol	ND		410	100	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
4-Chloroaniline	ND		410	100	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
4-Chlorophenyl phenyl ether	ND		410	51	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
4-Methylphenol	ND		800	48	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
4-Nitroaniline	ND		800	210	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
4-Nitrophenol	ND		800	290	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Acenaphthene	ND		410	60	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Acenaphthylene	ND		410	53	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Acetophenone	ND		410	55	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Anthracene	ND		410	100	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Atrazine	ND		410	140	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Benzaldehyde	ND		410	330	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Benzo(a)anthracene	ND		410	41	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Benzo(a)pyrene	ND		410	60	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Benzo(b)fluoranthene	ND		410	65	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Benzo(g,h,i)perylene	ND		410	43	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Benzo(k)fluoranthene	ND		410	53	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Biphenyl	ND		410	60	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
bis (2-chloroisopropyl) ether	ND		410	82	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Bis(2-chloroethoxy)methane	ND		410	87	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Bis(2-chloroethyl)ether	ND		410	53	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Bis(2-ethylhexyl) phthalate	ND		410	140	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Butyl benzyl phthalate	ND		410	67	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Caprolactam	ND		410	120	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Carbazole	ND		410	48	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Chrysene	ND		410	92	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Dibenz(a,h)anthracene	ND		410	72	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Dibenzofuran	ND		410	48	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Diethyl phthalate	ND		410	53	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Dimethyl phthalate	ND		410	48	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Di-n-butyl phthalate	ND		410	70	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Di-n-octyl phthalate	ND		410	48	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-12-16
Date Collected: 11/11/14 10:40
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-11
Matrix: Solid
Percent Solids: 41.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		410	43	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Fluorene	ND		410	48	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Hexachlorobenzene	ND		410	55	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Hexachlorobutadiene	ND		410	60	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Hexachlorocyclopentadiene	ND		410	55	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Hexachloroethane	ND		410	53	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Indeno(1,2,3-cd)pyrene	ND		410	51	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Isophorone	ND		410	87	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Naphthalene	ND		410	53	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Nitrobenzene	ND		410	46	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
N-Nitrosodi-n-propylamine	ND		410	70	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
N-Nitrosodiphenylamine	ND		410	330	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Pentachlorophenol	ND		800	410	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Phenanthrene	ND		410	60	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Phenol	ND		410	63	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1
Pyrene	ND		410	48	ug/Kg	☼	11/13/14 11:04	11/18/14 02:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190000*	*T J*	*ug/Kg*	☼	*1.72*		*11/13/14 11:04*	*11/18/14 02:38*	*1*
Unknown	*66000*	*T J B*	*ug/Kg*	☼	*1.81*		*11/13/14 11:04*	*11/18/14 02:38*	*1*
Unknown	*3600*	*T J B*	*ug/Kg*	☼	*2.28*		*11/13/14 11:04*	*11/18/14 02:38*	*1*
Unknown	*3000*	*T J B*	*ug/Kg*	☼	*2.45*		*11/13/14 11:04*	*11/18/14 02:38*	*1*
Unknown	*5700*	*T J B*	*ug/Kg*	☼	*4.19*		*11/13/14 11:04*	*11/18/14 02:38*	*1*
Benzyl alcohol	*76*	*J*	*ug/Kg*	☼	*6.27*	*100-51-6*	*11/13/14 11:04*	*11/18/14 02:38*	*1*
Hexadecane	*40*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 11:04*	*11/18/14 02:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*23*	*X*	*39 - 146*	*11/13/14 11:04*	*11/18/14 02:38*	*1*
2-Fluorobiphenyl	*85*		*37 - 120*	*11/13/14 11:04*	*11/18/14 02:38*	*1*
2-Fluorophenol	*22*		*18 - 120*	*11/13/14 11:04*	*11/18/14 02:38*	*1*
Nitrobenzene-d5	*75*		*34 - 132*	*11/13/14 11:04*	*11/18/14 02:38*	*1*
Phenol-d5	*66*		*11 - 120*	*11/13/14 11:04*	*11/18/14 02:38*	*1*
p-Terphenyl-d14	*98*		*65 - 153*	*11/13/14 11:04*	*11/18/14 02:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**29400**		23.6	10.4	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Antimony	**2.8**	**J**	35.4	0.94	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Arsenic	**109**		4.7	0.94	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Barium	**333**		1.2	0.26	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Beryllium	**3.0**		0.47	0.066	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Cadmium	**21.0**	**^**	0.47	0.071	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Calcium	**180000**	**B**	118	7.8	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Chromium	**86.4**		1.2	0.47	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Cobalt	**17.8**		1.2	0.12	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Copper	**85.5**		2.4	0.50	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Iron	**27100**	**B ^**	23.6	2.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Lead	**370**		2.4	0.57	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Magnesium	**4670**		47.2	2.2	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Manganese	**159**	**^**	0.47	0.076	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-12-16
Date Collected: 11/11/14 10:40
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-11
Matrix: Solid
Percent Solids: 41.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	35.8		11.8	0.54	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Potassium	21600		70.9	47.2	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Selenium	16.7		9.4	0.94	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Silver	15.5		1.4	0.47	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Sodium	807		331	30.7	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Thallium	17.1		14.2	0.71	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Vanadium	43.5		1.2	0.26	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1
Zinc	3090	B	4.7	0.36	mg/Kg	☼	11/12/14 08:46	11/14/14 13:42	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.29		0.046	0.019	mg/Kg	☼	11/13/14 10:30	11/13/14 13:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	2.0	J	2.4	1.2	mg/Kg	☼	11/20/14 11:59	11/20/14 14:54	1
Cyanide, Free	ND		5.1	0.26	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.096	0.087	mg/Kg	☼	11/17/14 12:13	11/19/14 16:10	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-16-20
Date Collected: 11/11/14 10:50
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-12
Matrix: Solid
Percent Solids: 45.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1800	500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
2,4,6-Trichlorophenol	ND		1800	370	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
2,4-Dichlorophenol	ND		1800	200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
2,4-Dimethylphenol	ND		1800	450	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
2,4-Dinitrophenol	ND		3600	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
2,4-Dinitrotoluene	ND		1800	380	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
2,6-Dinitrotoluene	ND		1800	220	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
2-Chloronaphthalene	ND		1800	300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
2-Chlorophenol	ND		1800	340	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
2-Methylnaphthalene	ND		1800	370	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
2-Methylphenol	ND		1800	220	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
2-Nitroaniline	ND		3600	270	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
2-Nitrophenol	ND		1800	520	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
3,3'-Dichlorobenzidine	ND		3600	2200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
3-Nitroaniline	ND		3600	510	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
4,6-Dinitro-2-methylphenol	ND		3600	1800	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
4-Bromophenyl phenyl ether	ND		1800	260	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
4-Chloro-3-methylphenol	ND		1800	460	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
4-Chloroaniline	ND		1800	460	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
4-Chlorophenyl phenyl ether	ND		1800	230	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
4-Methylphenol	ND		3600	220	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
4-Nitroaniline	ND		3600	970	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
4-Nitrophenol	ND		3600	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Acenaphthene	ND		1800	270	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Acenaphthylene	ND		1800	240	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Acetophenone	ND		1800	250	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Anthracene	ND		1800	460	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Atrazine	ND		1800	640	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Benzaldehyde	ND		1800	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Benzo(a)anthracene	ND		1800	180	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Benzo(a)pyrene	ND		1800	270	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Benzo(b)fluoranthene	ND		1800	290	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Benzo(g,h,i)perylene	ND		1800	200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Benzo(k)fluoranthene	ND		1800	240	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Biphenyl	ND		1800	270	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
bis (2-chloroisopropyl) ether	ND		1800	370	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Bis(2-chloroethoxy)methane	ND		1800	390	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Bis(2-chloroethyl)ether	ND		1800	240	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Bis(2-ethylhexyl) phthalate	ND		1800	630	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Butyl benzyl phthalate	ND		1800	300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Caprolactam	ND		1800	550	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Carbazole	ND		1800	220	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Chrysene	ND		1800	410	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Dibenz(a,h)anthracene	ND		1800	330	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Dibenzofuran	ND		1800	220	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Diethyl phthalate	ND		1800	240	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Dimethyl phthalate	ND		1800	220	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Di-n-butyl phthalate	ND		1800	310	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Di-n-octyl phthalate	ND		1800	220	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-16-20
Date Collected: 11/11/14 10:50
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-12
Matrix: Solid
Percent Solids: 45.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		1800	200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Fluorene	ND		1800	220	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Hexachlorobenzene	ND		1800	250	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Hexachlorobutadiene	ND		1800	270	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Hexachlorocyclopentadiene	ND		1800	250	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Hexachloroethane	ND		1800	240	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Indeno(1,2,3-cd)pyrene	ND		1800	230	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Isophorone	ND		1800	390	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Naphthalene	ND		1800	240	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Nitrobenzene	ND		1800	210	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
N-Nitrosodi-n-propylamine	ND		1800	310	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
N-Nitrosodiphenylamine	ND		1800	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Pentachlorophenol	ND		3600	1800	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Phenanthrene	ND		1800	270	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Phenol	ND		1800	280	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5
Pyrene	ND		1800	220	ug/Kg	☼	11/13/14 11:04	11/18/14 03:02	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*250000*	*T J*	*ug/Kg*	☼	*1.71*		*11/13/14 11:04*	*11/18/14 03:02*	*5*
Unknown	*1200000*	*T J B*	*ug/Kg*	☼	*1.81*		*11/13/14 11:04*	*11/18/14 03:02*	*5*
Unknown	*4200*	*T J B*	*ug/Kg*	☼	*2.31*		*11/13/14 11:04*	*11/18/14 03:02*	*5*
Unknown	*4200*	*T J B*	*ug/Kg*	☼	*2.47*		*11/13/14 11:04*	*11/18/14 03:02*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*43*		*39 - 146*	*11/13/14 11:04*	*11/18/14 03:02*	*5*
2-Fluorobiphenyl	*82*		*37 - 120*	*11/13/14 11:04*	*11/18/14 03:02*	*5*
2-Fluorophenol	*59*		*18 - 120*	*11/13/14 11:04*	*11/18/14 03:02*	*5*
Nitrobenzene-d5	*71*		*34 - 132*	*11/13/14 11:04*	*11/18/14 03:02*	*5*
Phenol-d5	*78*		*11 - 120*	*11/13/14 11:04*	*11/18/14 03:02*	*5*
p-Terphenyl-d14	*88*		*65 - 153*	*11/13/14 11:04*	*11/18/14 03:02*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**27100**		23.0	10.1	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Antimony	**2.2**	**J**	34.5	0.92	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Arsenic	**106**		4.6	0.92	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Barium	**201**		1.1	0.25	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Beryllium	**3.0**		0.46	0.064	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Cadmium	**12.9**	**^**	0.46	0.069	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Calcium	**198000**	**B**	115	7.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Chromium	**49.7**		1.1	0.46	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Cobalt	**16.3**		1.1	0.11	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Copper	**51.4**		2.3	0.48	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Iron	**19200**	**B ^**	23.0	2.5	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Lead	**244**		2.3	0.55	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Magnesium	**4950**		45.9	2.1	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Manganese	**184**	**^**	0.46	0.074	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Nickel	**37.1**		11.5	0.53	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Potassium	**18500**		68.9	45.9	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Selenium	**7.3**	**J**	9.2	0.92	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-16-20
Date Collected: 11/11/14 10:50
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-12
Matrix: Solid
Percent Solids: 45.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	8.9		1.4	0.46	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Sodium	820		322	29.9	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Thallium	9.1	J	13.8	0.69	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Vanadium	64.2		1.1	0.25	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1
Zinc	1380	B	4.6	0.35	mg/Kg	☼	11/12/14 08:46	11/14/14 13:45	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.15		0.044	0.018	mg/Kg	☼	11/13/14 10:30	11/13/14 13:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		2.2	1.0	mg/Kg	☼	11/20/14 11:59	11/20/14 14:58	1
Cyanide, Free	ND		4.5	0.23	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.087	0.078	mg/Kg	☼	11/17/14 12:13	11/19/14 16:12	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-0-4
Date Collected: 11/11/14 10:10
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-13
Matrix: Solid
Percent Solids: 69.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4800	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
2,4,6-Trichlorophenol	ND		4800	960	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
2,4-Dichlorophenol	ND		4800	510	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
2,4-Dimethylphenol	ND		4800	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
2,4-Dinitrophenol	ND		9300	2900	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
2,4-Dinitrotoluene	ND		4800	990	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
2,6-Dinitrotoluene	ND		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
2-Chloronaphthalene	ND		4800	790	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
2-Chlorophenol	ND		4800	880	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
2-Methylnaphthalene	ND		4800	960	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
2-Methylphenol	ND		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
2-Nitroaniline	ND		9300	710	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
2-Nitrophenol	ND		4800	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
3,3'-Dichlorobenzidine	ND		9300	5700	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
3-Nitroaniline	ND		9300	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
4,6-Dinitro-2-methylphenol	ND		9300	4800	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
4-Bromophenyl phenyl ether	ND		4800	680	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
4-Chloro-3-methylphenol	ND		4800	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
4-Chloroaniline	ND		4800	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
4-Chlorophenyl phenyl ether	ND		4800	590	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
4-Methylphenol	ND		9300	570	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
4-Nitroaniline	ND		9300	2500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
4-Nitrophenol	ND		9300	3400	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Acenaphthene	ND		4800	710	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Acenaphthylene	ND		4800	620	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Acetophenone	ND		4800	650	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Anthracene	ND		4800	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Atrazine	ND		4800	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Benzaldehyde	ND		4800	3800	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Benzo(a)anthracene	ND		4800	480	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Benzo(a)pyrene	**2300**	**J**	4800	710	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Benzo(b)fluoranthene	**3500**	**J**	4800	760	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Benzo(g,h,i)perylene	ND		4800	510	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Benzo(k)fluoranthene	ND		4800	620	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Biphenyl	ND		4800	710	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
bis (2-chloroisopropyl) ether	ND		4800	960	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Bis(2-chloroethoxy)methane	ND		4800	1000	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Bis(2-chloroethyl)ether	ND		4800	620	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Bis(2-ethylhexyl) phthalate	ND		4800	1600	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Butyl benzyl phthalate	ND		4800	790	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Caprolactam	ND		4800	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Carbazole	ND		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Chrysene	ND		4800	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Dibenz(a,h)anthracene	ND		4800	850	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Dibenzofuran	ND		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Diethyl phthalate	ND		4800	620	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Dimethyl phthalate	ND		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Di-n-butyl phthalate	ND		4800	820	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Di-n-octyl phthalate	ND		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20

Client Sample ID: SO-08-1114-0-4
Date Collected: 11/11/14 10:10
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-13
Matrix: Solid
Percent Solids: 69.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4800	510	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Fluorene	ND		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Hexachlorobenzene	ND		4800	650	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Hexachlorobutadiene	ND		4800	710	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Hexachlorocyclopentadiene	ND		4800	650	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Hexachloroethane	ND		4800	620	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Indeno(1,2,3-cd)pyrene	ND		4800	590	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Isophorone	ND		4800	1000	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Naphthalene	ND		4800	620	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Nitrobenzene	ND		4800	540	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
N-Nitrosodi-n-propylamine	ND		4800	820	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
N-Nitrosodiphenylamine	ND		4800	3900	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Pentachlorophenol	ND		9300	4800	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Phenanthrene	ND		4800	710	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Phenol	ND		4800	740	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20
Pyrene	ND		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 03:26	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*190000*	*T J*	*ug/Kg*	☼	*1.70*		*11/13/14 11:04*	*11/18/14 03:26*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*39 - 146*	*11/13/14 11:04*	*11/18/14 03:26*	*20*
2-Fluorobiphenyl	*91*		*37 - 120*	*11/13/14 11:04*	*11/18/14 03:26*	*20*
2-Fluorophenol	*78*		*18 - 120*	*11/13/14 11:04*	*11/18/14 03:26*	*20*
Nitrobenzene-d5	*79*		*34 - 132*	*11/13/14 11:04*	*11/18/14 03:26*	*20*
Phenol-d5	*81*		*11 - 120*	*11/13/14 11:04*	*11/18/14 03:26*	*20*
p-Terphenyl-d14	*95*		*65 - 153*	*11/13/14 11:04*	*11/18/14 03:26*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9520**		15.3	6.7	mg/Kg	☼	11/12/14 08:46	11/14/14 13:56	1
Antimony	**20.0**	**J**	115	3.1	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5
Arsenic	**29.8**		3.1	0.61	mg/Kg	☼	11/12/14 08:46	11/14/14 13:56	1
Barium	**103**		0.76	0.17	mg/Kg	☼	11/12/14 08:46	11/14/14 13:56	1
Beryllium	**2.3**		0.31	0.043	mg/Kg	☼	11/12/14 08:46	11/14/14 13:56	1
Cadmium	**18.6**		1.5	0.23	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5
Calcium	**66000**	**B**	76.4	5.0	mg/Kg	☼	11/12/14 08:46	11/14/14 13:56	1
Chromium	**58.5**		3.8	1.5	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5
Cobalt	**17.3**		3.8	0.38	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5
Copper	**290**		7.6	1.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5
Iron	**265000**	**^ B**	76.4	8.4	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5
Lead	**3670**		7.6	1.8	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5
Magnesium	**11800**		153	7.1	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5
Manganese	**7350**	**^**	1.5	0.24	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5
Nickel	**54.8**		38.2	1.8	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5
Potassium	**1030**	**^**	45.9	30.6	mg/Kg	☼	11/12/14 08:46	11/14/14 13:56	1
Selenium	**9.6**		6.1	0.61	mg/Kg	☼	11/12/14 08:46	11/14/14 13:56	1
Silver	**3.3**		0.92	0.31	mg/Kg	☼	11/12/14 08:46	11/14/14 13:56	1
Sodium	**196**	**J**	214	19.9	mg/Kg	☼	11/12/14 08:46	11/14/14 13:56	1
Thallium	**6.6**	**J**	45.9	2.3	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-08-1114-0-4
Date Collected: 11/11/14 10:10
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-13
Matrix: Solid
Percent Solids: 69.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	17.8		3.8	0.84	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5
Zinc	5250	B	15.3	1.2	mg/Kg	☼	11/12/14 08:46	11/14/14 13:58	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.20		0.030	0.012	mg/Kg	☼	11/13/14 10:30	11/13/14 13:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	25.8		1.4	0.69	mg/Kg	☼	11/20/14 11:59	11/20/14 14:59	1
Cyanide, Free	ND		3.0	0.15	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.056	0.051	mg/Kg	☼	11/17/14 12:17	11/19/14 16:25	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-07-1114-0-4
Date Collected: 11/11/14 09:00
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-14
Matrix: Solid
Percent Solids: 83.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		10000	2700	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
2,4,6-Trichlorophenol	ND		10000	2000	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
2,4-Dichlorophenol	ND		10000	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
2,4-Dimethylphenol	ND		10000	2400	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
2,4-Dinitrophenol	ND		20000	6100	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
2,4-Dinitrotoluene	ND		10000	2100	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
2,6-Dinitrotoluene	ND		10000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
2-Chloronaphthalene	ND		10000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
2-Chlorophenol	ND		10000	1900	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
2-Methylnaphthalene	ND		10000	2000	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
2-Methylphenol	ND		10000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
2-Nitroaniline	ND		20000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
2-Nitrophenol	ND		10000	2900	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
3,3'-Dichlorobenzidine	ND		20000	12000	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
3-Nitroaniline	ND		20000	2800	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
4,6-Dinitro-2-methylphenol	ND		20000	10000	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
4-Bromophenyl phenyl ether	ND		10000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
4-Chloro-3-methylphenol	ND		10000	2500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
4-Chloroaniline	ND		10000	2500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
4-Chlorophenyl phenyl ether	ND		10000	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
4-Methylphenol	ND		20000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
4-Nitroaniline	ND		20000	5300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
4-Nitrophenol	ND		20000	7100	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Acenaphthene	ND		10000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Acenaphthylene	ND		10000	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Acetophenone	ND		10000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Anthracene	ND		10000	2500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Atrazine	ND		10000	3500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Benzaldehyde	ND		10000	8100	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Benzo(a)anthracene	ND		10000	1000	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Benzo(a)pyrene	ND		10000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Benzo(b)fluoranthene	ND		10000	1600	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Benzo(g,h,i)perylene	ND		10000	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Benzo(k)fluoranthene	ND		10000	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Biphenyl	ND		10000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
bis (2-chloroisopropyl) ether	ND		10000	2000	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Bis(2-chloroethoxy)methane	ND		10000	2100	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Bis(2-chloroethyl)ether	ND		10000	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Bis(2-ethylhexyl) phthalate	ND		10000	3500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Butyl benzyl phthalate	ND		10000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Caprolactam	ND		10000	3000	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Carbazole	ND		10000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Chrysene	ND		10000	2300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Dibenz(a,h)anthracene	ND		10000	1800	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Dibenzofuran	ND		10000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Diethyl phthalate	ND		10000	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Dimethyl phthalate	ND		10000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Di-n-butyl phthalate	ND		10000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Di-n-octyl phthalate	ND		10000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50

Client Sample ID: SO-07-1114-0-4
Date Collected: 11/11/14 09:00
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-14
Matrix: Solid
Percent Solids: 83.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		10000	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Fluorene	ND		10000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Hexachlorobenzene	ND		10000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Hexachlorobutadiene	ND		10000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Hexachlorocyclopentadiene	ND		10000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Hexachloroethane	ND		10000	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Indeno(1,2,3-cd)pyrene	ND		10000	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Isophorone	ND		10000	2100	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Naphthalene	ND		10000	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Nitrobenzene	ND		10000	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
N-Nitrosodi-n-propylamine	ND		10000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
N-Nitrosodiphenylamine	ND		10000	8200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Pentachlorophenol	ND		20000	10000	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Phenanthrene	ND		10000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Phenol	ND		10000	1600	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50
Pyrene	ND		10000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 03:49	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*140000*	*T J*	*ug/Kg*	☼	*1.70*		*11/13/14 11:04*	*11/18/14 03:49*	*50*
Unknown	*2500000*	*T J B*	*ug/Kg*	☼	*1.74*		*11/13/14 11:04*	*11/18/14 03:49*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*39 - 146*	*11/13/14 11:04*	*11/18/14 03:49*	*50*
2-Fluorobiphenyl	*86*		*37 - 120*	*11/13/14 11:04*	*11/18/14 03:49*	*50*
2-Fluorophenol	*69*		*18 - 120*	*11/13/14 11:04*	*11/18/14 03:49*	*50*
Nitrobenzene-d5	*67*		*34 - 132*	*11/13/14 11:04*	*11/18/14 03:49*	*50*
Phenol-d5	*84*		*11 - 120*	*11/13/14 11:04*	*11/18/14 03:49*	*50*
p-Terphenyl-d14	*96*		*65 - 153*	*11/13/14 11:04*	*11/18/14 03:49*	*50*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5390**		11.0	4.8	mg/Kg	☼	11/12/14 08:46	11/14/14 14:01	1
Antimony	**8.2**	**J**	82.4	2.2	mg/Kg	☼	11/12/14 08:46	11/14/14 14:04	5
Arsenic	**8.2**		2.2	0.44	mg/Kg	☼	11/12/14 08:46	11/14/14 14:01	1
Barium	**39.1**		0.55	0.12	mg/Kg	☼	11/12/14 08:46	11/14/14 14:01	1
Beryllium	**0.85**		0.22	0.031	mg/Kg	☼	11/12/14 08:46	11/14/14 14:01	1
Cadmium	**1.0**	**J**	1.1	0.16	mg/Kg	☼	11/12/14 08:46	11/14/14 14:04	5
Calcium	**37500**	**B**	54.9	3.6	mg/Kg	☼	11/12/14 08:46	11/14/14 14:01	1
Chromium	**5.4**		2.7	1.1	mg/Kg	☼	11/12/14 08:46	11/14/14 14:04	5
Cobalt	**11.0**		2.7	0.27	mg/Kg	☼	11/12/14 08:46	11/14/14 14:04	5
Copper	**29.7**		5.5	1.2	mg/Kg	☼	11/12/14 08:46	11/14/14 14:04	5
Iron	**126000**	**^ B**	54.9	6.0	mg/Kg	☼	11/12/14 08:46	11/14/14 14:04	5
Lead	**8.7**		5.5	1.3	mg/Kg	☼	11/12/14 08:46	11/14/14 14:04	5
Magnesium	**5950**		110	5.1	mg/Kg	☼	11/12/14 08:46	11/14/14 14:04	5
Manganese	**1530**	**^**	1.1	0.18	mg/Kg	☼	11/12/14 08:46	11/14/14 14:04	5
Nickel	**8.4**	**J**	27.5	1.3	mg/Kg	☼	11/12/14 08:46	11/14/14 14:04	5
Potassium	**478**		33.0	22.0	mg/Kg	☼	11/12/14 08:46	11/17/14 23:31	1
Selenium	**1.8**	**J**	4.4	0.44	mg/Kg	☼	11/12/14 08:46	11/14/14 14:01	1
Silver	ND		0.66	0.22	mg/Kg	☼	11/12/14 08:46	11/14/14 14:01	1
Sodium	**651**		154	14.3	mg/Kg	☼	11/12/14 08:46	11/14/14 14:01	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-07-1114-0-4
Date Collected: 11/11/14 09:00
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-14
Matrix: Solid
Percent Solids: 83.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		33.0	1.6	mg/Kg	☼	11/12/14 08:46	11/14/14 14:04	5
Vanadium	**20.1**		2.7	0.60	mg/Kg	☼	11/12/14 08:46	11/14/14 14:04	5
Zinc	**17.0**	**B**	2.2	0.17	mg/Kg	☼	11/12/14 08:46	11/14/14 14:01	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.022	0.0089	mg/Kg	☼	11/13/14 10:30	11/13/14 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.2	0.57	mg/Kg	☼	11/20/14 11:59	11/20/14 15:01	1
Cyanide, Free	ND	^	2.5	0.12	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	**0.37**		0.047	0.043	mg/Kg	☼	11/17/14 12:17	11/19/14 16:27	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-07-1114-4-8
Date Collected: 11/11/14 09:15
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-15
Matrix: Solid
Percent Solids: 63.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2600	710	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
2,4,6-Trichlorophenol	ND		2600	520	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
2,4-Dichlorophenol	ND		2600	280	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
2,4-Dimethylphenol	ND		2600	630	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
2,4-Dinitrophenol	ND		5100	1600	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
2,4-Dinitrotoluene	ND		2600	540	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
2,6-Dinitrotoluene	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
2-Chloronaphthalene	ND		2600	430	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
2-Chlorophenol	ND		2600	480	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
2-Methylnaphthalene	ND		2600	520	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
2-Methylphenol	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
2-Nitroaniline	ND		5100	380	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
2-Nitrophenol	ND		2600	740	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
3,3'-Dichlorobenzidine	ND		5100	3100	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
3-Nitroaniline	ND		5100	720	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
4,6-Dinitro-2-methylphenol	ND		5100	2600	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
4-Bromophenyl phenyl ether	ND		2600	370	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
4-Chloro-3-methylphenol	ND		2600	640	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
4-Chloroaniline	ND		2600	640	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
4-Chlorophenyl phenyl ether	ND		2600	320	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
4-Methylphenol	ND		5100	310	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
4-Nitroaniline	ND		5100	1400	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
4-Nitrophenol	ND		5100	1800	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Acenaphthene	ND		2600	380	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Acenaphthylene	ND		2600	340	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Acetophenone	ND		2600	350	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Anthracene	ND		2600	640	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Atrazine	ND		2600	910	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Benzaldehyde	ND		2600	2100	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Benzo(a)anthracene	**480**	**J**	2600	260	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Benzo(a)pyrene	**1400**	**J**	2600	380	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Benzo(b)fluoranthene	**2100**	**J**	2600	410	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Benzo(g,h,i)perylene	ND		2600	280	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Benzo(k)fluoranthene	ND		2600	340	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Biphenyl	ND		2600	380	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
bis (2-chloroisopropyl) ether	ND		2600	520	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Bis(2-chloroethoxy)methane	ND		2600	550	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Bis(2-chloroethyl)ether	ND		2600	340	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Bis(2-ethylhexyl) phthalate	ND		2600	890	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Butyl benzyl phthalate	ND		2600	430	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Caprolactam	ND		2600	780	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Carbazole	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Chrysene	ND		2600	580	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Dibenz(a,h)anthracene	ND		2600	460	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Dibenzofuran	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Diethyl phthalate	ND		2600	340	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Dimethyl phthalate	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Di-n-butyl phthalate	ND		2600	450	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Di-n-octyl phthalate	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10

Client Sample ID: SO-07-1114-4-8
Date Collected: 11/11/14 09:15
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-15
Matrix: Solid
Percent Solids: 63.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1000**	**J**	2600	280	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Fluorene	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Hexachlorobenzene	ND		2600	350	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Hexachlorobutadiene	ND		2600	380	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Hexachlorocyclopentadiene	ND		2600	350	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Hexachloroethane	ND		2600	340	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Indeno(1,2,3-cd)pyrene	**2200**	**J**	2600	320	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Isophorone	ND		2600	550	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Naphthalene	**560**	**J**	2600	340	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Nitrobenzene	ND		2600	290	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
N-Nitrosodi-n-propylamine	ND		2600	450	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
N-Nitrosodiphenylamine	ND		2600	2100	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Pentachlorophenol	ND		5100	2600	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Phenanthrene	**1300**	**J**	2600	380	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Phenol	ND		2600	400	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10
Pyrene	**840**	**J**	2600	310	ug/Kg	☼	11/13/14 11:04	11/17/14 23:28	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*200000*	*T J*	*ug/Kg*	☼	*1.70*		*11/13/14 11:04*	*11/17/14 23:28*	*10*
Unknown	*1000000*	*T J B*	*ug/Kg*	☼	*1.76*		*11/13/14 11:04*	*11/17/14 23:28*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*47*		*39 - 146*	*11/13/14 11:04*	*11/17/14 23:28*	*10*
2-Fluorobiphenyl	*85*		*37 - 120*	*11/13/14 11:04*	*11/17/14 23:28*	*10*
2-Fluorophenol	*72*		*18 - 120*	*11/13/14 11:04*	*11/17/14 23:28*	*10*
Nitrobenzene-d5	*75*		*34 - 132*	*11/13/14 11:04*	*11/17/14 23:28*	*10*
Phenol-d5	*78*		*11 - 120*	*11/13/14 11:04*	*11/17/14 23:28*	*10*
p-Terphenyl-d14	*95*		*65 - 153*	*11/13/14 11:04*	*11/17/14 23:28*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**19300**		14.5	6.4	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Antimony	**2.6**	**J**	21.7	0.58	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Arsenic	**46.4**		2.9	0.58	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Barium	**227**		0.72	0.16	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Beryllium	**2.2**		0.29	0.041	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Cadmium	**5.7**		0.29	0.043	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Calcium	**186000**	**B**	362	23.9	mg/Kg	☼	11/12/14 08:46	11/17/14 23:34	5
Chromium	**36.7**		0.72	0.29	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Cobalt	**11.0**		0.72	0.072	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Copper	**46.1**		1.4	0.30	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Iron	**17400**	**^ B**	14.5	1.6	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Lead	**403**		1.4	0.35	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Magnesium	**9920**		29.0	1.3	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Manganese	**308**	**^**	0.29	0.046	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Nickel	**23.1**		7.2	0.33	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Potassium	**12400**	**^**	43.5	29.0	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Selenium	**3.4**	**J**	5.8	0.58	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Silver	**3.5**		0.87	0.29	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Sodium	**505**		203	18.8	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-07-1114-4-8
Date Collected: 11/11/14 09:15
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-15
Matrix: Solid
Percent Solids: 63.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	3.7	J	8.7	0.43	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Vanadium	28.7		0.72	0.16	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1
Zinc	799	B	2.9	0.22	mg/Kg	☼	11/12/14 08:46	11/14/14 14:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.17		0.031	0.012	mg/Kg	☼	11/13/14 10:30	11/13/14 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	J	1.6	0.76	mg/Kg	☼	11/20/14 11:59	11/20/14 14:49	1
Cyanide, Free	ND		3.3	0.17	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	0.52		0.063	0.057	mg/Kg	☼	11/17/14 12:17	11/19/14 16:21	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-07-1114-8-12
Date Collected: 11/11/14 09:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-16
Matrix: Solid
Percent Solids: 68.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4800	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
2,4,6-Trichlorophenol	ND		4800	970	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
2,4-Dichlorophenol	ND		4800	510	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
2,4-Dimethylphenol	ND		4800	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
2,4-Dinitrophenol	ND		9400	2900	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
2,4-Dinitrotoluene	ND		4800	1000	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
2,6-Dinitrotoluene	ND		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
2-Chloronaphthalene	ND		4800	800	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
2-Chlorophenol	ND		4800	880	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
2-Methylnaphthalene	ND		4800	970	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
2-Methylphenol	ND		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
2-Nitroaniline	ND		9400	710	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
2-Nitrophenol	ND		4800	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
3,3'-Dichlorobenzidine	ND		9400	5700	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
3-Nitroaniline	ND		9400	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
4,6-Dinitro-2-methylphenol	ND		9400	4800	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
4-Bromophenyl phenyl ether	ND		4800	680	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
4-Chloro-3-methylphenol	ND		4800	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
4-Chloroaniline	ND		4800	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
4-Chlorophenyl phenyl ether	ND		4800	600	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
4-Methylphenol	ND		9400	570	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
4-Nitroaniline	ND		9400	2500	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
4-Nitrophenol	ND		9400	3400	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Acenaphthene	**830**	**J**	4800	710	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Acenaphthylene	**1000**	**J**	4800	630	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Acetophenone	ND		4800	650	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Anthracene	**4300**	**J**	4800	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Atrazine	ND		4800	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Benzaldehyde	ND		4800	3800	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Benzo(a)anthracene	**7500**		4800	480	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Benzo(a)pyrene	**7200**		4800	710	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Benzo(b)fluoranthene	**9100**		4800	770	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Benzo(g,h,i)perylene	**2800**	**J**	4800	510	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Benzo(k)fluoranthene	**3500**	**J**	4800	630	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Biphenyl	ND		4800	710	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
bis (2-chloroisopropyl) ether	ND		4800	970	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Bis(2-chloroethoxy)methane	ND		4800	1000	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Bis(2-chloroethyl)ether	ND		4800	630	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Bis(2-ethylhexyl) phthalate	ND		4800	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Butyl benzyl phthalate	ND		4800	800	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Caprolactam	ND		4800	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Carbazole	**1600**	**J**	4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Chrysene	**6400**		4800	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Dibenz(a,h)anthracene	ND		4800	850	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Dibenzofuran	**1400**	**J**	4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Diethyl phthalate	ND		4800	630	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Dimethyl phthalate	ND		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Di-n-butyl phthalate	ND		4800	830	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Di-n-octyl phthalate	ND		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-07-1114-8-12
Date Collected: 11/11/14 09:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-16
Matrix: Solid
Percent Solids: 68.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	19000		4800	510	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Fluorene	2600	J	4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Hexachlorobenzene	ND		4800	650	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Hexachlorobutadiene	ND		4800	710	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Hexachlorocyclopentadiene	ND		4800	650	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Hexachloroethane	ND		4800	630	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Indeno(1,2,3-cd)pyrene	6000		4800	600	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Isophorone	ND		4800	1000	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Naphthalene	1300	J	4800	630	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Nitrobenzene	ND		4800	540	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
N-Nitrosodi-n-propylamine	ND		4800	830	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
N-Nitrosodiphenylamine	ND		4800	3900	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Pentachlorophenol	ND		9400	4800	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Phenanthrene	17000		4800	710	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Phenol	ND		4800	740	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20
Pyrene	13000		4800	570	ug/Kg	☼	11/13/14 11:04	11/18/14 04:13	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetone	*190000*	*T J N*	*ug/Kg*	☼	*1.70*	*67-64-1*	*11/13/14 11:04*	*11/18/14 04:13*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*10*	*X*	*39 - 146*	*11/13/14 11:04*	*11/18/14 04:13*	*20*
2-Fluorobiphenyl	*86*		*37 - 120*	*11/13/14 11:04*	*11/18/14 04:13*	*20*
2-Fluorophenol	*41*		*18 - 120*	*11/13/14 11:04*	*11/18/14 04:13*	*20*
Nitrobenzene-d5	*73*		*34 - 132*	*11/13/14 11:04*	*11/18/14 04:13*	*20*
Phenol-d5	*80*		*11 - 120*	*11/13/14 11:04*	*11/18/14 04:13*	*20*
p-Terphenyl-d14	*93*		*65 - 153*	*11/13/14 11:04*	*11/18/14 04:13*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11400		13.9	6.1	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Antimony	ND		20.8	0.55	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Arsenic	33.9		2.8	0.55	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Barium	124		0.69	0.15	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Beryllium	1.4		0.28	0.039	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Cadmium	3.5		0.28	0.042	mg/Kg	☼	11/12/14 08:46	11/18/14 00:04	1
Calcium	86500	B	69.3	4.6	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Chromium	508		0.69	0.28	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Cobalt	14.3		0.69	0.069	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Copper	29.3		1.4	0.29	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Iron	11100	B	13.9	1.5	mg/Kg	☼	11/12/14 08:46	11/18/14 00:04	1
Lead	136		1.4	0.33	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Magnesium	111000		139	6.4	mg/Kg	☼	11/12/14 08:46	11/17/14 23:47	5
Manganese	192		0.28	0.044	mg/Kg	☼	11/12/14 08:46	11/18/14 00:04	1
Nickel	123		6.9	0.32	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Potassium	7120		41.6	27.7	mg/Kg	☼	11/12/14 08:46	11/18/14 00:04	1
Selenium	1.8	J	5.5	0.55	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Silver	2.0		0.83	0.28	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Sodium	323		194	18.0	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Thallium	1.7	J	8.3	0.42	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-07-1114-8-12
Date Collected: 11/11/14 09:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-16
Matrix: Solid
Percent Solids: 68.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	73.3		0.69	0.15	mg/Kg	☼	11/12/14 08:46	11/14/14 14:28	1
Zinc	508	B	2.8	0.21	mg/Kg	☼	11/12/14 08:46	11/18/14 00:04	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.085		0.027	0.011	mg/Kg	☼	11/13/14 10:30	11/13/14 13:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.68	J	1.4	0.68	mg/Kg	☼	11/20/14 11:59	11/20/14 15:02	1
Cyanide, Free	ND	^	3.1	0.15	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	ND		0.058	0.052	mg/Kg	☼	11/17/14 12:17	11/19/14 16:28	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-07-1114-12-16
Date Collected: 11/11/14 09:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-17
Matrix: Solid
Percent Solids: 64.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2600	710	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
2,4,6-Trichlorophenol	ND		2600	520	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
2,4-Dichlorophenol	ND		2600	280	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
2,4-Dimethylphenol	ND		2600	630	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
2,4-Dinitrophenol	ND		5100	1600	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
2,4-Dinitrotoluene	ND		2600	540	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
2,6-Dinitrotoluene	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
2-Chloronaphthalene	ND		2600	430	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
2-Chlorophenol	ND		2600	480	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
2-Methylnaphthalene	ND		2600	520	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
2-Methylphenol	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
2-Nitroaniline	ND		5100	380	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
2-Nitrophenol	ND		2600	740	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
3,3'-Dichlorobenzidine	ND		5100	3100	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
3-Nitroaniline	ND		5100	720	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
4,6-Dinitro-2-methylphenol	ND		5100	2600	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
4-Bromophenyl phenyl ether	ND		2600	370	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
4-Chloro-3-methylphenol	ND		2600	650	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
4-Chloroaniline	ND		2600	650	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
4-Chlorophenyl phenyl ether	ND		2600	320	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
4-Methylphenol	**340**	**J**	5100	310	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
4-Nitroaniline	ND		5100	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
4-Nitrophenol	ND		5100	1800	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Acenaphthene	ND		2600	380	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Acenaphthylene	ND		2600	340	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Acetophenone	ND		2600	350	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Anthracene	ND		2600	650	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Atrazine	ND		2600	910	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Benzaldehyde	ND		2600	2100	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Benzo(a)anthracene	ND		2600	260	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Benzo(a)pyrene	ND		2600	380	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Benzo(b)fluoranthene	ND		2600	420	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Benzo(g,h,i)perylene	ND		2600	280	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Benzo(k)fluoranthene	ND		2600	340	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Biphenyl	ND		2600	380	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
bis (2-chloroisopropyl) ether	ND		2600	520	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Bis(2-chloroethoxy)methane	ND		2600	550	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Bis(2-chloroethyl)ether	ND		2600	340	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Bis(2-ethylhexyl) phthalate	ND		2600	890	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Butyl benzyl phthalate	ND		2600	430	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Caprolactam	ND		2600	790	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Carbazole	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Chrysene	ND		2600	590	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Dibenz(a,h)anthracene	ND		2600	460	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Dibenzofuran	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Diethyl phthalate	ND		2600	340	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Dimethyl phthalate	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Di-n-butyl phthalate	ND		2600	450	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Di-n-octyl phthalate	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10

Client Sample ID: SO-07-1114-12-16
Date Collected: 11/11/14 09:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-17
Matrix: Solid
Percent Solids: 64.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		2600	280	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Fluorene	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Hexachlorobenzene	ND		2600	350	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Hexachlorobutadiene	ND		2600	380	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Hexachlorocyclopentadiene	ND		2600	350	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Hexachloroethane	ND		2600	340	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Indeno(1,2,3-cd)pyrene	ND		2600	320	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Isophorone	ND		2600	550	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Naphthalene	ND		2600	340	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Nitrobenzene	ND		2600	290	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
N-Nitrosodi-n-propylamine	ND		2600	450	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
N-Nitrosodiphenylamine	ND		2600	2100	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Pentachlorophenol	ND		5100	2600	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Phenanthrene	ND		2600	380	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Phenol	ND		2600	400	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10
Pyrene	ND		2600	310	ug/Kg	☼	11/13/14 11:04	11/18/14 04:37	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetone	*300000*	*T J N*	*ug/Kg*	☼	*1.71*	*67-64-1*	*11/13/14 11:04*	*11/18/14 04:37*	*10*
Unknown	*1800000*	*T J B*	*ug/Kg*	☼	*1.80*		*11/13/14 11:04*	*11/18/14 04:37*	*10*
Unknown	*5200*	*T J B*	*ug/Kg*	☼	*2.31*		*11/13/14 11:04*	*11/18/14 04:37*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*29*	*X*	*39 - 146*	*11/13/14 11:04*	*11/18/14 04:37*	*10*
2-Fluorobiphenyl	*78*		*37 - 120*	*11/13/14 11:04*	*11/18/14 04:37*	*10*
2-Fluorophenol	*64*		*18 - 120*	*11/13/14 11:04*	*11/18/14 04:37*	*10*
Nitrobenzene-d5	*64*		*34 - 132*	*11/13/14 11:04*	*11/18/14 04:37*	*10*
Phenol-d5	*72*		*11 - 120*	*11/13/14 11:04*	*11/18/14 04:37*	*10*
p-Terphenyl-d14	*84*		*65 - 153*	*11/13/14 11:04*	*11/18/14 04:37*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**21500**		15.1	6.6	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Antimony	**2.3**	**J**	22.6	0.60	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Arsenic	**67.0**		3.0	0.60	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Barium	**140**		0.75	0.17	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Beryllium	**2.6**		0.30	0.042	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Cadmium	**6.7**		0.30	0.045	mg/Kg	☼	11/12/14 08:46	11/18/14 00:06	1
Calcium	**177000**	**B**	377	24.9	mg/Kg	☼	11/12/14 08:46	11/18/14 00:09	5
Chromium	**50.7**		0.75	0.30	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Cobalt	**13.7**		0.75	0.075	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Copper	**49.0**		1.5	0.32	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Iron	**25600**	**B**	15.1	1.7	mg/Kg	☼	11/12/14 08:46	11/18/14 00:06	1
Lead	**180**		1.5	0.36	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Magnesium	**4960**		30.2	1.4	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Manganese	**325**		0.30	0.048	mg/Kg	☼	11/12/14 08:46	11/18/14 00:06	1
Nickel	**27.7**		7.5	0.35	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Potassium	**22700**		45.3	30.2	mg/Kg	☼	11/12/14 08:46	11/18/14 00:06	1
Selenium	**7.0**		6.0	0.60	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Silver	**4.7**		0.91	0.30	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-07-1114-12-16
Date Collected: 11/11/14 09:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-17
Matrix: Solid
Percent Solids: 64.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	1250		211	19.6	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Thallium	4.2	J	9.1	0.45	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Vanadium	40.4		0.75	0.17	mg/Kg	☼	11/12/14 08:46	11/14/14 14:30	1
Zinc	820	B	3.0	0.23	mg/Kg	☼	11/12/14 08:46	11/18/14 00:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.14		0.031	0.012	mg/Kg	☼	11/13/14 10:30	11/13/14 14:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.5	0.74	mg/Kg	☼	11/20/14 11:59	11/20/14 15:04	1
Cyanide, Free	ND	^	3.2	0.16	mg/Kg	☼	11/17/14 06:00	11/17/14 12:00	1
Cyanide, Available	0.25		0.061	0.055	mg/Kg	☼	11/17/14 12:17	11/19/14 16:30	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-07-1114-16-20
Date Collected: 11/11/14 10:00
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-18
Matrix: Solid
Percent Solids: 83.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		200	55	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
2,4,6-Trichlorophenol	ND		200	41	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
2,4-Dichlorophenol	ND		200	21	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
2,4-Dimethylphenol	ND		200	49	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
2,4-Dinitrophenol	ND		390	120	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
2,4-Dinitrotoluene	ND		200	42	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
2-Chloronaphthalene	ND		200	33	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
2-Chlorophenol	ND		200	37	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
2-Methylnaphthalene	ND		200	41	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
2-Methylphenol	ND		200	24	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
2-Nitroaniline	ND		390	30	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
2-Nitrophenol	ND		200	57	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
3,3'-Dichlorobenzidine	ND		390	240	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
3-Nitroaniline	ND		390	56	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
4,6-Dinitro-2-methylphenol	ND		390	200	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
4-Bromophenyl phenyl ether	ND		200	29	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
4-Chloro-3-methylphenol	ND		200	50	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
4-Chloroaniline	ND		200	50	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
4-Methylphenol	ND		390	24	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
4-Nitroaniline	ND		390	110	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
4-Nitrophenol	ND		390	140	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Acenaphthene	ND		200	30	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Acenaphthylene	ND		200	26	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Acetophenone	ND		200	27	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Anthracene	ND		200	50	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Atrazine	ND		200	70	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Benzaldehyde	ND		200	160	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Benzo(a)anthracene	ND		200	20	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Benzo(a)pyrene	ND		200	30	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Benzo(b)fluoranthene	ND		200	32	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Benzo(g,h,i)perylene	ND		200	21	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Benzo(k)fluoranthene	ND		200	26	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Biphenyl	ND		200	30	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Bis(2-chloroethoxy)methane	ND		200	43	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Bis(2-ethylhexyl) phthalate	ND		200	69	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Butyl benzyl phthalate	ND		200	33	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Caprolactam	ND		200	61	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Carbazole	ND		200	24	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Chrysene	ND		200	45	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Dibenz(a,h)anthracene	ND		200	36	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Dibenzofuran	ND		200	24	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Dimethyl phthalate	ND		200	24	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Di-n-butyl phthalate	ND		200	35	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-07-1114-16-20
Date Collected: 11/11/14 10:00
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-18
Matrix: Solid
Percent Solids: 83.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		200	21	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Fluorene	ND		200	24	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Hexachlorobenzene	ND		200	27	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Hexachlorocyclopentadiene	ND		200	27	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Hexachloroethane	ND		200	26	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Indeno(1,2,3-cd)pyrene	ND		200	25	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Isophorone	ND		200	43	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Naphthalene	ND		200	26	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Nitrobenzene	ND		200	23	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
N-Nitrosodi-n-propylamine	ND		200	35	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
N-Nitrosodiphenylamine	ND		200	160	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Pentachlorophenol	ND		390	200	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Phenanthrene	ND		200	30	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Phenol	ND		200	31	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1
Pyrene	ND		200	24	ug/Kg	☼	11/13/14 11:04	11/18/14 05:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*100000*	*T J*	*ug/Kg*	☼	*1.72*		*11/13/14 11:04*	*11/18/14 05:01*	*1*
Unknown	*150000*	*T J B*	*ug/Kg*	☼	*1.81*		*11/13/14 11:04*	*11/18/14 05:01*	*1*
Unknown	*3400*	*T J B*	*ug/Kg*	☼	*2.28*		*11/13/14 11:04*	*11/18/14 05:01*	*1*
Unknown	*1800*	*T J B*	*ug/Kg*	☼	*2.45*		*11/13/14 11:04*	*11/18/14 05:01*	*1*
Unknown	*390*	*T J B*	*ug/Kg*	☼	*4.19*		*11/13/14 11:04*	*11/18/14 05:01*	*1*
Hexadecane	*35*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 11:04*	*11/18/14 05:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*39 - 146*	*11/13/14 11:04*	*11/18/14 05:01*	*1*
2-Fluorobiphenyl	*94*		*37 - 120*	*11/13/14 11:04*	*11/18/14 05:01*	*1*
2-Fluorophenol	*91*		*18 - 120*	*11/13/14 11:04*	*11/18/14 05:01*	*1*
Nitrobenzene-d5	*83*		*34 - 132*	*11/13/14 11:04*	*11/18/14 05:01*	*1*
Phenol-d5	*94*		*11 - 120*	*11/13/14 11:04*	*11/18/14 05:01*	*1*
p-Terphenyl-d14	*107*		*65 - 153*	*11/13/14 11:04*	*11/18/14 05:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8160**		12.2	5.4	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Antimony	**0.92**	**J**	18.3	0.49	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Arsenic	**7.5**		2.4	0.49	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Barium	**44.7**		0.61	0.13	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Beryllium	**0.45**		0.24	0.034	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Cadmium	**0.33**		0.24	0.037	mg/Kg	☼	11/12/14 08:46	11/18/14 00:12	1
Calcium	**23200**	**B**	60.9	4.0	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Chromium	**13.3**		0.61	0.24	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Cobalt	**9.8**		0.61	0.061	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Copper	**17.3**		1.2	0.26	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Iron	**18200**	**B**	12.2	1.3	mg/Kg	☼	11/12/14 08:46	11/18/14 00:12	1
Lead	**10.2**		1.2	0.29	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Magnesium	**8410**		24.4	1.1	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Manganese	**271**		0.24	0.039	mg/Kg	☼	11/12/14 08:46	11/18/14 00:12	1
Nickel	**27.3**		6.1	0.28	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-07-1114-16-20
Date Collected: 11/11/14 10:00
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-18
Matrix: Solid
Percent Solids: 83.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	2420		36.5	24.4	mg/Kg	☼	11/12/14 08:46	11/18/14 00:12	1
Selenium	ND		4.9	0.49	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Silver	ND		0.73	0.24	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Sodium	126	J	170	15.8	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Thallium	ND		7.3	0.37	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Vanadium	14.8		0.61	0.13	mg/Kg	☼	11/12/14 08:46	11/14/14 14:33	1
Zinc	71.7	B	2.4	0.19	mg/Kg	☼	11/12/14 08:46	11/18/14 00:12	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.015	J	0.023	0.0095	mg/Kg	☼	11/13/14 10:30	11/13/14 14:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.1	0.56	mg/Kg	☼	11/20/14 11:59	11/20/14 15:07	1
Cyanide, Free	ND		2.6	0.13	mg/Kg	☼	11/20/14 06:00	11/20/14 12:00	1
Cyanide, Available	ND		0.047	0.043	mg/Kg	☼	11/17/14 12:17	11/19/14 16:31	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-09-1114-0-4
Date Collected: 11/11/14 11:05
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-19
Matrix: Solid
Percent Solids: 83.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4000	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
2,4,6-Trichlorophenol	ND		4000	800	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
2,4-Dichlorophenol	ND		4000	420	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
2,4-Dimethylphenol	ND		4000	970	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
2,4-Dinitrophenol	ND		7800	2400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
2,4-Dinitrotoluene	ND		4000	830	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
2,6-Dinitrotoluene	ND		4000	470	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
2-Chloronaphthalene	ND		4000	660	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
2-Chlorophenol	ND		4000	730	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
2-Methylnaphthalene	ND		4000	800	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
2-Methylphenol	ND		4000	470	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
2-Nitroaniline	ND		7800	590	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
2-Nitrophenol	ND		4000	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
3,3'-Dichlorobenzidine	ND		7800	4700	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
3-Nitroaniline	ND		7800	1100	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
4,6-Dinitro-2-methylphenol	ND		7800	4000	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
4-Bromophenyl phenyl ether	ND		4000	570	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
4-Chloro-3-methylphenol	ND		4000	990	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
4-Chloroaniline	ND		4000	990	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
4-Chlorophenyl phenyl ether	ND		4000	500	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
4-Methylphenol	ND		7800	470	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
4-Nitroaniline	ND		7800	2100	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
4-Nitrophenol	ND		7800	2800	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Acenaphthene	ND		4000	590	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Acenaphthylene	ND		4000	520	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Acetophenone	ND		4000	540	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Anthracene	ND		4000	990	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Atrazine	ND		4000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Benzaldehyde	ND		4000	3200	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Benzo(a)anthracene	**450**	**J**	4000	400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Benzo(a)pyrene	**1900**	**J**	4000	590	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Benzo(b)fluoranthene	**2900**	**J**	4000	640	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Benzo(g,h,i)perylene	ND		4000	420	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Benzo(k)fluoranthene	ND		4000	520	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Biphenyl	ND		4000	590	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
bis (2-chloroisopropyl) ether	ND		4000	800	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Bis(2-chloroethoxy)methane	ND		4000	850	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Bis(2-chloroethyl)ether	ND		4000	520	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Bis(2-ethylhexyl) phthalate	ND		4000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Butyl benzyl phthalate	ND		4000	660	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Caprolactam	ND		4000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Carbazole	ND		4000	470	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Chrysene	ND		4000	900	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Dibenz(a,h)anthracene	ND		4000	710	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Dibenzofuran	ND		4000	470	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Diethyl phthalate	ND		4000	520	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Dimethyl phthalate	ND		4000	470	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Di-n-butyl phthalate	ND		4000	680	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Di-n-octyl phthalate	ND		4000	470	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-09-1114-0-4
Date Collected: 11/11/14 11:05
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-19
Matrix: Solid
Percent Solids: 83.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	730	J	4000	420	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Fluorene	ND		4000	470	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Hexachlorobenzene	ND		4000	540	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Hexachlorobutadiene	ND		4000	590	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Hexachlorocyclopentadiene	ND		4000	540	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Hexachloroethane	ND		4000	520	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Indeno(1,2,3-cd)pyrene	3300	J	4000	500	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Isophorone	ND		4000	850	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Naphthalene	ND		4000	520	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Nitrobenzene	ND		4000	450	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
N-Nitrosodi-n-propylamine	ND		4000	680	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
N-Nitrosodiphenylamine	ND		4000	3300	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Pentachlorophenol	ND		7800	4000	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Phenanthrene	ND		4000	590	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Phenol	ND		4000	610	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20
Pyrene	ND		4000	470	ug/Kg	☼	11/13/14 11:04	11/18/14 05:24	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetone	*150000*	*T J N*	*ug/Kg*	☼	*1.70*	*67-64-1*	*11/13/14 11:04*	*11/18/14 05:24*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*39 - 146*	*11/13/14 11:04*	*11/18/14 05:24*	*20*
2-Fluorobiphenyl	*88*		*37 - 120*	*11/13/14 11:04*	*11/18/14 05:24*	*20*
2-Fluorophenol	*84*		*18 - 120*	*11/13/14 11:04*	*11/18/14 05:24*	*20*
Nitrobenzene-d5	*73*		*34 - 132*	*11/13/14 11:04*	*11/18/14 05:24*	*20*
Phenol-d5	*82*		*11 - 120*	*11/13/14 11:04*	*11/18/14 05:24*	*20*
p-Terphenyl-d14	*93*		*65 - 153*	*11/13/14 11:04*	*11/18/14 05:24*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13900		11.4	5.0	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Antimony	1.2	J	17.0	0.45	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Arsenic	5.6		2.3	0.45	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Barium	141		0.57	0.12	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Beryllium	2.3		0.23	0.032	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Cadmium	1.1		0.23	0.034	mg/Kg	☼	11/12/14 08:46	11/18/14 00:14	1
Calcium	86900	B	56.8	3.7	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Chromium	22.7		0.57	0.23	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Cobalt	4.7		0.57	0.057	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Copper	24.6		1.1	0.24	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Iron	21900	B	11.4	1.2	mg/Kg	☼	11/12/14 08:46	11/18/14 00:14	1
Lead	238		1.1	0.27	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Magnesium	10700		22.7	1.1	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Manganese	1420		0.23	0.036	mg/Kg	☼	11/12/14 08:46	11/18/14 00:14	1
Nickel	15.9		5.7	0.26	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Potassium	1300		34.1	22.7	mg/Kg	☼	11/12/14 08:46	11/18/14 00:14	1
Selenium	0.61	J	4.5	0.45	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Silver	ND		0.68	0.23	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Sodium	423		159	14.8	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Thallium	ND		6.8	0.34	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-09-1114-0-4
Date Collected: 11/11/14 11:05
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-19
Matrix: Solid
Percent Solids: 83.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	15.5		0.57	0.12	mg/Kg	☼	11/12/14 08:46	11/14/14 14:36	1
Zinc	509	B	2.3	0.17	mg/Kg	☼	11/12/14 08:46	11/18/14 00:14	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.029		0.024	0.0097	mg/Kg	☼	11/13/14 10:30	11/13/14 14:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	18.0		1.2	0.58	mg/Kg	☼	11/20/14 11:59	11/20/14 15:08	1
Cyanide, Free	ND		2.5	0.12	mg/Kg	☼	11/20/14 06:00	11/20/14 12:00	1
Cyanide, Available	ND		0.048	0.043	mg/Kg	☼	11/17/14 12:17	11/19/14 16:33	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-09-1114-4-8
Date Collected: 11/11/14 11:15
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-20
Matrix: Solid
Percent Solids: 73.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		12000	3100	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
2,4,6-Trichlorophenol	ND		12000	2300	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
2,4-Dichlorophenol	ND		12000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
2,4-Dimethylphenol	ND		12000	2800	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
2,4-Dinitrophenol	ND		22000	6900	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
2,4-Dinitrotoluene	ND		12000	2400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
2,6-Dinitrotoluene	ND		12000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
2-Chloronaphthalene	ND		12000	1900	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
2-Chlorophenol	ND		12000	2100	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
2-Methylnaphthalene	**6000**	**J**	12000	2300	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
2-Methylphenol	ND		12000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
2-Nitroaniline	ND		22000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
2-Nitrophenol	ND		12000	3300	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
3,3'-Dichlorobenzidine	ND		22000	14000	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
3-Nitroaniline	ND		22000	3200	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
4,6-Dinitro-2-methylphenol	ND		22000	12000	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
4-Bromophenyl phenyl ether	ND		12000	1600	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
4-Chloro-3-methylphenol	ND		12000	2900	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
4-Chloroaniline	ND		12000	2900	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
4-Chlorophenyl phenyl ether	ND		12000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
4-Methylphenol	ND		22000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
4-Nitroaniline	ND		22000	6100	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
4-Nitrophenol	ND		22000	8100	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Acenaphthene	**3000**	**J**	12000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Acenaphthylene	**1800**	**J**	12000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Acetophenone	ND		12000	1600	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Anthracene	**10000**	**J**	12000	2900	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Atrazine	ND		12000	4000	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Benzaldehyde	ND		12000	9200	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Benzo(a)anthracene	**6900**	**J**	12000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Benzo(a)pyrene	ND		12000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Benzo(b)fluoranthene	ND		12000	1800	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Benzo(g,h,i)perylene	ND		12000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Benzo(k)fluoranthene	ND		12000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Biphenyl	**5500**	**J**	12000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
bis (2-chloroisopropyl) ether	ND		12000	2300	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Bis(2-chloroethoxy)methane	ND		12000	2400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Bis(2-chloroethyl)ether	ND		12000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Bis(2-ethylhexyl) phthalate	ND		12000	3900	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Butyl benzyl phthalate	ND		12000	1900	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Caprolactam	ND		12000	3500	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Carbazole	ND		12000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Chrysene	**12000**		12000	2600	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Dibenz(a,h)anthracene	ND		12000	2000	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Dibenzofuran	**3100**	**J**	12000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Diethyl phthalate	ND		12000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Dimethyl phthalate	ND		12000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Di-n-butyl phthalate	ND		12000	2000	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Di-n-octyl phthalate	ND		12000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5

Client Sample ID: SO-09-1114-4-8
Date Collected: 11/11/14 11:15
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-20
Matrix: Solid
Percent Solids: 73.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**29000**		12000	1200	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Fluorene	**17000**		12000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Hexachlorobenzene	ND		12000	1600	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Hexachlorobutadiene	ND		12000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Hexachlorocyclopentadiene	ND		12000	1600	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Hexachloroethane	ND		12000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Indeno(1,2,3-cd)pyrene	ND		12000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Isophorone	ND		12000	2400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Naphthalene	**3100**	**J**	12000	1500	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Nitrobenzene	ND		12000	1300	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
N-Nitrosodi-n-propylamine	ND		12000	2000	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
N-Nitrosodiphenylamine	ND		12000	9400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Pentachlorophenol	ND		22000	12000	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Phenanthrene	**55000**		12000	1700	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Phenol	ND		12000	1800	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5
Pyrene	**15000**		12000	1400	ug/Kg	☼	11/13/14 11:04	11/18/14 05:48	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*140000*	*T J*	*ug/Kg*	☼	*1.70*		*11/13/14 11:04*	*11/18/14 05:48*	*5*
Hexadecane	*100000*		*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Pentadecane, 2,6,10-trimethyl-	*45000*	*T J N*	*ug/Kg*	☼	*10.46*	*3892-00-0*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Diallate	*32000*		*ug/Kg*	☼	*10.70*	*2303-16-4*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Heptadecane	*150000*	*T J N*	*ug/Kg*	☼	*10.73*	*629-78-7*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
n-Octadecane	*160000*		*ug/Kg*	☼	*11.19*	*593-45-3*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Hexadecane, 2,6,10,14-tetramethyl-	*62000*	*T J N*	*ug/Kg*	☼	*11.22*	*638-36-8*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Unknown	*33000*	*T J*	*ug/Kg*	☼	*11.56*		*11/13/14 11:04*	*11/18/14 05:48*	*5*
Nonadecane	*100000*	*T J N*	*ug/Kg*	☼	*11.61*	*629-92-5*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
1H-Cyclopropa[l]phenanthrene,1a,9b -dihyd	*87000*	*T J N*	*ug/Kg*	☼	*11.78*	*949-41-7*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Phenanthrene, 1-methyl-	*31000*	*T J N*	*ug/Kg*	☼	*11.86*	*832-69-9*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Eicosane	*77000*	*T J N*	*ug/Kg*	☼	*11.99*	*112-95-8*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Heneicosane	*56000*	*T J N*	*ug/Kg*	☼	*12.34*	*629-94-7*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Unknown	*77000*	*T J*	*ug/Kg*	☼	*12.77*		*11/13/14 11:04*	*11/18/14 05:48*	*5*
Tetrapentacontane, 1,54-dibromo-	*68000*	*T J N*	*ug/Kg*	☼	*13.09*	*1000156-09-4*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Docosane	*34000*	*T J N*	*ug/Kg*	☼	*13.28*	*629-97-0*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Docosane	*74000*	*T J N*	*ug/Kg*	☼	*13.93*	*629-97-0*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Octadecane	*80000*	*T J N*	*ug/Kg*	☼	*14.20*	*593-45-3*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
28-Nor-17.alpha.(H)-hopane	*77000*	*T J N*	*ug/Kg*	☼	*15.46*	*53584-60-4*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Unknown	*27000*	*T J*	*ug/Kg*	☼	*15.77*		*11/13/14 11:04*	*11/18/14 05:48*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*39 - 146*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
2-Fluorobiphenyl	*98*		*37 - 120*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
2-Fluorophenol	*66*		*18 - 120*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Nitrobenzene-d5	*74*		*34 - 132*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
Phenol-d5	*79*		*11 - 120*	*11/13/14 11:04*	*11/18/14 05:48*	*5*
p-Terphenyl-d14	*0*	*X*	*65 - 153*	*11/13/14 11:04*	*11/18/14 05:48*	*5*

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-09-1114-4-8
Date Collected: 11/11/14 11:15
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-20
Matrix: Solid
Percent Solids: 73.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6660		13.3	5.9	mg/Kg	☼	11/12/14 08:46	11/14/14 14:38	1
Antimony	16.2	J	99.8	2.7	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5
Arsenic	25.3		2.7	0.53	mg/Kg	☼	11/12/14 08:46	11/14/14 14:38	1
Barium	87.6		0.67	0.15	mg/Kg	☼	11/12/14 08:46	11/14/14 14:38	1
Beryllium	1.8		0.27	0.037	mg/Kg	☼	11/12/14 08:46	11/14/14 14:38	1
Cadmium	41.3	^	1.3	0.20	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5
Calcium	45600	B	66.6	4.4	mg/Kg	☼	11/12/14 08:46	11/14/14 14:38	1
Chromium	133		3.3	1.3	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5
Cobalt	15.5		3.3	0.33	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5
Copper	283		6.7	1.4	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5
Iron	213000	^ B	66.6	7.3	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5
Lead	9450		6.7	1.6	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5
Magnesium	14700		133	6.2	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5
Manganese	5660	^	1.3	0.21	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5
Nickel	118		33.3	1.5	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5
Potassium	459		39.9	26.6	mg/Kg	☼	11/12/14 08:46	11/18/14 00:17	1
Selenium	32.0		5.3	0.53	mg/Kg	☼	11/12/14 08:46	11/14/14 14:38	1
Silver	8.1		0.80	0.27	mg/Kg	☼	11/12/14 08:46	11/14/14 14:38	1
Sodium	128	J	186	17.3	mg/Kg	☼	11/12/14 08:46	11/14/14 14:38	1
Thallium	6.2	J	39.9	2.0	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5
Vanadium	15.5		3.3	0.73	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5
Zinc	11200	^ B	13.3	1.0	mg/Kg	☼	11/12/14 08:46	11/14/14 14:41	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.28		0.027	0.011	mg/Kg	☼	11/13/14 10:30	11/13/14 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	29.9		1.4	0.65	mg/Kg	☼	11/20/14 11:59	11/20/14 15:10	1
Cyanide, Free	ND		2.9	0.14	mg/Kg	☼	11/20/14 06:00	11/20/14 12:00	1
Cyanide, Available	ND		0.055	0.049	mg/Kg	☼	11/17/14 12:17	11/19/14 16:34	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-09-1114-8-12
Date Collected: 11/11/14 11:25
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-21
Matrix: Solid
Percent Solids: 55.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		300	82	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
2,4,6-Trichlorophenol	ND		300	60	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
2,4-Dichlorophenol	ND		300	32	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
2,4-Dimethylphenol	ND		300	73	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
2,4-Dinitrophenol	ND		590	180	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
2,4-Dinitrotoluene	ND		300	62	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
2,6-Dinitrotoluene	ND		300	36	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
2-Chloronaphthalene	ND		300	50	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
2-Chlorophenol	ND		300	55	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
2-Methylnaphthalene	**97**	**J**	300	60	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
2-Methylphenol	ND		300	36	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
2-Nitroaniline	ND		590	44	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
2-Nitrophenol	ND		300	85	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
3,3'-Dichlorobenzidine	ND		590	360	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
3-Nitroaniline	ND		590	84	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
4,6-Dinitro-2-methylphenol	ND		590	300	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
4-Bromophenyl phenyl ether	ND		300	43	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
4-Chloro-3-methylphenol	ND		300	75	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
4-Chloroaniline	ND		300	75	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
4-Chlorophenyl phenyl ether	ND		300	37	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
4-Methylphenol	ND		590	36	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
4-Nitroaniline	ND		590	160	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
4-Nitrophenol	ND		590	210	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Acenaphthene	**59**	**J**	300	44	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Acenaphthylene	**58**	**J**	300	39	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Acetophenone	ND		300	41	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Anthracene	**190**	**J**	300	75	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Atrazine	ND		300	100	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Benzaldehyde	ND		300	240	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Benzo(a)anthracene	**110**	**J**	300	30	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Benzo(a)pyrene	ND		300	44	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Benzo(b)fluoranthene	ND		300	48	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Benzo(g,h,i)perylene	ND		300	32	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Benzo(k)fluoranthene	ND		300	39	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Biphenyl	**92**	**J**	300	44	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
bis (2-chloroisopropyl) ether	ND		300	60	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Bis(2-chloroethoxy)methane	ND		300	64	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Bis(2-chloroethyl)ether	ND		300	39	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Bis(2-ethylhexyl) phthalate	ND		300	100	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Butyl benzyl phthalate	ND		300	50	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Caprolactam	ND		300	91	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Carbazole	ND		300	36	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Chrysene	**190**	**J**	300	68	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Dibenz(a,h)anthracene	ND		300	53	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Dibenzofuran	**60**	**J**	300	36	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Diethyl phthalate	ND		300	39	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Dimethyl phthalate	ND		300	36	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Di-n-butyl phthalate	ND		300	52	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Di-n-octyl phthalate	ND		300	36	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1

Client Sample ID: SO-09-1114-8-12
Date Collected: 11/11/14 11:25
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-21
Matrix: Solid
Percent Solids: 55.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**480**		300	32	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Fluorene	**390**		300	36	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Hexachlorobenzene	ND		300	41	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Hexachlorobutadiene	ND		300	44	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Hexachlorocyclopentadiene	ND		300	41	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Hexachloroethane	ND		300	39	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Indeno(1,2,3-cd)pyrene	ND		300	37	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Isophorone	ND		300	64	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Naphthalene	**39**	**J**	300	39	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Nitrobenzene	ND		300	34	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
N-Nitrosodi-n-propylamine	ND		300	52	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
N-Nitrosodiphenylamine	ND		300	250	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Pentachlorophenol	ND		590	300	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Phenanthrene	**1000**		300	44	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Phenol	ND		300	46	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1
Pyrene	**340**		300	36	ug/Kg	☼	11/13/14 11:04	11/18/14 06:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*160000*	*T J B*	*ug/Kg*	☼	*1.81*		*11/13/14 11:04*	*11/18/14 06:12*	*1*
Unknown	*420000*	*T J*	*ug/Kg*	☼	*1.85*		*11/13/14 11:04*	*11/18/14 06:12*	*1*
Unknown	*3200*	*T J B*	*ug/Kg*	☼	*2.28*		*11/13/14 11:04*	*11/18/14 06:12*	*1*
Unknown	*1800*	*T J B*	*ug/Kg*	☼	*2.45*		*11/13/14 11:04*	*11/18/14 06:12*	*1*
Unknown	*1600*	*T J B*	*ug/Kg*	☼	*4.19*		*11/13/14 11:04*	*11/18/14 06:12*	*1*
Hexadecane	*2600*		*ug/Kg*	☼	*10.21*	*544-76-3*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Pentadecane, 2,6,10-trimethyl-	*1300*	*T J N*	*ug/Kg*	☼	*10.46*	*3892-00-0*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Heptadecane	*4100*	*T J N*	*ug/Kg*	☼	*10.72*	*629-78-7*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*11.02*		*11/13/14 11:04*	*11/18/14 06:12*	*1*
n-Octadecane	*3700*		*ug/Kg*	☼	*11.19*	*593-45-3*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Hexadecane, 2,6,10,14-tetramethyl-	*1700*	*T J N*	*ug/Kg*	☼	*11.22*	*638-36-8*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Nonadecane	*2400*	*T J N*	*ug/Kg*	☼	*11.61*	*629-92-5*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Hexadecane	*2100*	*T J N*	*ug/Kg*	☼	*11.99*	*544-76-3*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Unknown	*1500*	*T J*	*ug/Kg*	☼	*12.13*		*11/13/14 11:04*	*11/18/14 06:12*	*1*
Decane, 3,8-dimethyl-	*1100*	*T J N*	*ug/Kg*	☼	*12.24*	*17312-55-9*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Heneicosane	*1500*	*T J N*	*ug/Kg*	☼	*12.34*	*629-94-7*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Pentadecane, 2,6,10-trimethyl-	*2300*	*T J N*	*ug/Kg*	☼	*13.56*	*3892-00-0*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Nonahexacontanoic acid	*1500*	*T J N*	*ug/Kg*	☼	*13.93*	*40710-32-5*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Octadecane	*1800*	*T J N*	*ug/Kg*	☼	*14.20*	*593-45-3*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Unknown	*2000*	*T J*	*ug/Kg*	☼	*15.46*		*11/13/14 11:04*	*11/18/14 06:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*39 - 146*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
2-Fluorobiphenyl	*95*		*37 - 120*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
2-Fluorophenol	*58*		*18 - 120*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Nitrobenzene-d5	*77*		*34 - 132*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
Phenol-d5	*84*		*11 - 120*	*11/13/14 11:04*	*11/18/14 06:12*	*1*
p-Terphenyl-d14	*94*		*65 - 153*	*11/13/14 11:04*	*11/18/14 06:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**21200**		18.0	7.9	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-09-1114-8-12
Date Collected: 11/11/14 11:25
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-21
Matrix: Solid
Percent Solids: 55.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.9	J	27.0	0.72	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Arsenic	64.6		3.6	0.72	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Barium	235		0.90	0.20	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Beryllium	2.8		0.36	0.050	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Cadmium	7.9	^	0.36	0.054	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Calcium	199000	B	450	29.7	mg/Kg	☼	11/12/14 08:46	11/18/14 00:20	5
Chromium	52.7		0.90	0.36	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Cobalt	12.5		0.90	0.090	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Copper	47.6		1.8	0.38	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Iron	26700	B	90.1	9.9	mg/Kg	☼	11/12/14 08:46	11/18/14 00:20	5
Lead	254		1.8	0.43	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Magnesium	3650		36.0	1.7	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Manganese	376		1.8	0.29	mg/Kg	☼	11/12/14 08:46	11/18/14 00:20	5
Nickel	32.6		9.0	0.41	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Potassium	10900		270	180	mg/Kg	☼	11/12/14 08:46	11/18/14 00:20	5
Selenium	7.3		7.2	0.72	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Silver	3.8		1.1	0.36	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Sodium	528		252	23.4	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Thallium	7.1	J	10.8	0.54	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Vanadium	36.5		0.90	0.20	mg/Kg	☼	11/12/14 08:46	11/14/14 14:44	1
Zinc	1480	B	18.0	1.4	mg/Kg	☼	11/12/14 08:46	11/18/14 00:20	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.11		0.037	0.015	mg/Kg	☼	11/13/14 10:30	11/13/14 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	48.0		1.8	0.86	mg/Kg	☼	11/25/14 10:56	11/25/14 14:47	1
Cyanide, Free	ND		3.8	0.19	mg/Kg	☼	11/20/14 06:00	11/20/14 12:00	1
Cyanide, Available	ND		0.072	0.065	mg/Kg	☼	11/17/14 12:17	11/19/14 16:36	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-09-1114-12-16
Date Collected: 11/11/14 11:35
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-22
Matrix: Solid
Percent Solids: 61.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		27000	7400	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
2,4,6-Trichlorophenol	ND		27000	5400	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
2,4-Dichlorophenol	ND		27000	2900	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
2,4-Dimethylphenol	ND		27000	6600	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
2,4-Dinitrophenol	ND		53000	16000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
2,4-Dinitrotoluene	ND		27000	5600	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
2,6-Dinitrotoluene	ND		27000	3200	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
2-Chloronaphthalene	ND		27000	4500	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
2-Chlorophenol	ND		27000	5000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
2-Methylnaphthalene	ND		27000	5400	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
2-Methylphenol	ND		27000	3200	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
2-Nitroaniline	ND		53000	4000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
2-Nitrophenol	ND		27000	7700	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
3,3'-Dichlorobenzidine	ND		53000	32000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
3-Nitroaniline	ND		53000	7500	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
4,6-Dinitro-2-methylphenol	ND		53000	27000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
4-Bromophenyl phenyl ether	ND		27000	3800	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
4-Chloro-3-methylphenol	ND		27000	6700	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
4-Chloroaniline	ND		27000	6700	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
4-Chlorophenyl phenyl ether	ND		27000	3400	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
4-Methylphenol	ND		53000	3200	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
4-Nitroaniline	ND		53000	14000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
4-Nitrophenol	ND		53000	19000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Acenaphthene	ND		27000	4000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Acenaphthylene	ND		27000	3500	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Acetophenone	ND		27000	3700	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Anthracene	ND		27000	6700	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Atrazine	ND		27000	9500	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Benzaldehyde	ND		27000	22000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Benzo(a)anthracene	ND		27000	2700	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Benzo(a)pyrene	ND		27000	4000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Benzo(b)fluoranthene	ND		27000	4300	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Benzo(g,h,i)perylene	ND		27000	2900	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Benzo(k)fluoranthene	ND		27000	3500	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Biphenyl	ND		27000	4000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
bis (2-chloroisopropyl) ether	ND		27000	5400	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Bis(2-chloroethoxy)methane	ND		27000	5800	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Bis(2-chloroethyl)ether	ND		27000	3500	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Bis(2-ethylhexyl) phthalate	ND		27000	9300	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Butyl benzyl phthalate	ND		27000	4500	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Caprolactam	ND		27000	8200	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Carbazole	ND		27000	3200	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Chrysene	ND		27000	6100	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Dibenz(a,h)anthracene	ND		27000	4800	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Dibenzofuran	ND		27000	3200	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Diethyl phthalate	ND		27000	3500	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Dimethyl phthalate	ND		27000	3200	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Di-n-butyl phthalate	ND		27000	4600	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Di-n-octyl phthalate	ND		27000	3200	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100

Client Sample ID: SO-09-1114-12-16
Date Collected: 11/11/14 11:35
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-22
Matrix: Solid
Percent Solids: 61.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		27000	2900	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Fluorene	ND		27000	3200	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Hexachlorobenzene	ND		27000	3700	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Hexachlorobutadiene	ND		27000	4000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Hexachlorocyclopentadiene	ND		27000	3700	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Hexachloroethane	ND		27000	3500	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Indeno(1,2,3-cd)pyrene	ND		27000	3400	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Isophorone	ND		27000	5800	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Naphthalene	ND		27000	3500	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Nitrobenzene	ND		27000	3000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
N-Nitrosodi-n-propylamine	ND		27000	4600	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
N-Nitrosodiphenylamine	ND		27000	22000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Pentachlorophenol	ND		53000	27000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Phenanthrene	ND		27000	4000	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Phenol	ND		27000	4200	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100
Pyrene	ND		27000	3200	ug/Kg	☼	11/13/14 11:04	11/18/14 06:36	100

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetone	*320000*	*T J N*	*ug/Kg*	☼	*1.71*	*67-64-1*	*11/13/14 11:04*	*11/18/14 06:36*	*100*
Unknown	*4900000*	*T J B*	*ug/Kg*	☼	*1.74*		*11/13/14 11:04*	*11/18/14 06:36*	*100*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*39 - 146*	*11/13/14 11:04*	*11/18/14 06:36*	*100*
2-Fluorobiphenyl	*70*		*37 - 120*	*11/13/14 11:04*	*11/18/14 06:36*	*100*
2-Fluorophenol	*0*	*X*	*18 - 120*	*11/13/14 11:04*	*11/18/14 06:36*	*100*
Nitrobenzene-d5	*0*	*X*	*34 - 132*	*11/13/14 11:04*	*11/18/14 06:36*	*100*
Phenol-d5	*0*	*X*	*11 - 120*	*11/13/14 11:04*	*11/18/14 06:36*	*100*
p-Terphenyl-d14	*0*	*X*	*65 - 153*	*11/13/14 11:04*	*11/18/14 06:36*	*100*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15300**		17.9	7.9	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Antimony	**5.3**	**J**	26.9	0.72	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Arsenic	**16.1**		3.6	0.72	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Barium	**164**		0.90	0.20	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Beryllium	**1.3**		0.36	0.050	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Cadmium	**3.7**		0.36	0.054	mg/Kg	☼	11/12/14 08:46	11/28/14 10:02	1
Calcium	**32700**	**B**	89.6	5.9	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Chromium	**27.8**		0.90	0.36	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Cobalt	**8.5**		0.90	0.090	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Copper	**36.5**		1.8	0.38	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Iron	**75000**	**B ^**	17.9	2.0	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Lead	**159**		1.8	0.43	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Magnesium	**2990**		35.8	1.7	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Manganese	**1400**	**^**	0.36	0.057	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Nickel	**32.5**		9.0	0.41	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Potassium	**15300**	**^**	53.8	35.8	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Selenium	**4.1**	**J**	7.2	0.72	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Silver	ND		1.1	0.36	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Sodium	**702**		251	23.3	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-09-1114-12-16
Date Collected: 11/11/14 11:35
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-22
Matrix: Solid
Percent Solids: 61.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		10.8	0.54	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Vanadium	**26.9**		0.90	0.20	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1
Zinc	**586**	**B ^**	3.6	0.27	mg/Kg	☼	11/12/14 08:46	11/14/14 14:46	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.029**	**J**	0.034	0.014	mg/Kg	☼	11/13/14 10:30	11/13/14 14:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.6	0.76	mg/Kg	☼	11/22/14 11:02	11/24/14 13:07	1
Cyanide, Free	ND		3.4	0.17	mg/Kg	☼	11/20/14 06:00	11/20/14 12:00	1
Cyanide, Available	**0.29**		0.065	0.058	mg/Kg	☼	11/17/14 12:17	11/19/14 16:37	1

Client Sample ID: SW-CB01-1114-F

Lab Sample ID: 480-71163-1

Date Collected: 11/10/14 16:40

Matrix: Water

Date Received: 11/11/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			213488	11/12/14 06:17	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216721	12/02/14 21:11	DMR	TAL BUF
Total/NA	Prep	3005A			213632	11/13/14 08:24	TRP	TAL BUF
Total/NA	Analysis	6010C		1	214261	11/14/14 20:36	TRB	TAL BUF
Total/NA	Prep	3005A			213632	11/13/14 08:24	TRP	TAL BUF
Total/NA	Analysis	6010C		1	214742	11/17/14 13:18	TRB	TAL BUF
Total/NA	Prep	7470A			213504	11/12/14 09:00	LRK	TAL BUF
Total/NA	Analysis	7470A		1	213653	11/12/14 12:26	LRK	TAL BUF
Total/NA	Prep	9012B			214769	11/18/14 12:18	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 13:24	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 14:23	CAK	TAL PIT

Client Sample ID: SW-CB01-1114-U

Lab Sample ID: 480-71163-2

Date Collected: 11/10/14 16:20

Matrix: Water

Date Received: 11/11/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			213488	11/12/14 06:22	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216721	12/02/14 21:38	DMR	TAL BUF
Total/NA	Prep	3005A			213632	11/13/14 08:24	TRP	TAL BUF
Total/NA	Analysis	6010C		1	214261	11/14/14 20:39	TRB	TAL BUF
Total/NA	Prep	3005A			213632	11/13/14 08:24	TRP	TAL BUF
Total/NA	Analysis	6010C		1	214742	11/17/14 13:21	TRB	TAL BUF
Total/NA	Prep	7470A			213504	11/12/14 09:00	LRK	TAL BUF
Total/NA	Analysis	7470A		1	213653	11/12/14 12:28	LRK	TAL BUF
Total/NA	Prep	9012B			214769	11/18/14 12:18	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 13:26	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 14:24	CAK	TAL PIT

Client Sample ID: SO-06-1114-0-4

Lab Sample ID: 480-71163-3

Date Collected: 11/10/14 14:50

Matrix: Solid

Date Received: 11/11/14 15:55

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214512	11/17/14 23:52	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 13:04	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214766	11/17/14 23:06	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:27	LRK	TAL BUF
Total/NA	Prep	9012B			214928	11/19/14 11:26	EKB	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-0-4

Lab Sample ID: 480-71163-3

Date Collected: 11/10/14 14:50
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9012B		1	215137	11/20/14 12:30	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262789	11/14/14 15:48	CJA	TAL EDI
Total/NA	Prep	9013A			125400	11/17/14 12:13	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:00	CAK	TAL PIT

Client Sample ID: SO-06-1114-4-8

Lab Sample ID: 480-71163-4

Date Collected: 11/10/14 15:00
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 75.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262789	11/14/14 15:48	CJA	TAL EDI
Total/NA	Prep	9013A			125400	11/17/14 12:13	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:01	CAK	TAL PIT

Client Sample ID: SO-06-1114-8-12

Lab Sample ID: 480-71163-5

Date Collected: 11/10/14 15:10
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 53.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214512	11/18/14 00:15	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 13:07	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214766	11/17/14 23:09	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:29	LRK	TAL BUF
Total/NA	Prep	9012B			215500	11/22/14 11:02	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 13:00	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125400	11/17/14 12:13	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 15:55	CAK	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-06-1114-12-16

Lab Sample ID: 480-71163-6

Date Collected: 11/10/14 15:20
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214512	11/18/14 00:39	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 13:10	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214420	11/14/14 13:13	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	216374	11/28/14 09:56	AMH	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:30	LRK	TAL BUF
Total/NA	Prep	9012B			214928	11/19/14 11:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 12:34	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125400	11/17/14 12:13	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:03	CAK	TAL PIT

Client Sample ID: SO-06-1114-16-20

Lab Sample ID: 480-71163-7

Date Collected: 11/10/14 15:30
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 71.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		1	214512	11/18/14 01:03	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 13:23	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214420	11/14/14 13:26	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	216374	11/28/14 09:59	AMH	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:32	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:44	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125400	11/17/14 12:13	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:04	CAK	TAL PIT

Client Sample ID: SE-CB01-1114

Lab Sample ID: 480-71163-8

Date Collected: 11/11/14 08:23
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214512	11/18/14 01:27	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 13:29	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	216729	12/01/14 11:17	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:34	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:45	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125400	11/17/14 12:13	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:06	CAK	TAL PIT

Client Sample ID: SO-08-1114-4-8

Lab Sample ID: 480-71163-9

Date Collected: 11/11/14 10:20
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 72.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		5	214512	11/18/14 01:51	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 13:32	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214420	11/14/14 13:34	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:36	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:46	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125400	11/17/14 12:13	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:07	CAK	TAL PIT

Client Sample ID: SO-08-1114-8-12

Lab Sample ID: 480-71163-10

Date Collected: 11/11/14 10:30
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 67.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		1	214512	11/18/14 02:14	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 13:37	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214420	11/14/14 13:40	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:41	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:48	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125400	11/17/14 12:13	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:09	CAK	TAL PIT

Client Sample ID: SO-08-1114-12-16

Lab Sample ID: 480-71163-11

Date Collected: 11/11/14 10:40
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 41.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		1	214512	11/18/14 02:38	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 13:42	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:43	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:54	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125400	11/17/14 12:13	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:10	CAK	TAL PIT

Client Sample ID: SO-08-1114-16-20

Lab Sample ID: 480-71163-12

Date Collected: 11/11/14 10:50
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 45.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF

Client Sample ID: SO-08-1114-16-20

Lab Sample ID: 480-71163-12

Date Collected: 11/11/14 10:50
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 45.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		5	214512	11/18/14 03:02	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 13:45	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:45	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:58	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125400	11/17/14 12:13	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:12	CAK	TAL PIT

Client Sample ID: SO-08-1114-0-4

Lab Sample ID: 480-71163-13

Date Collected: 11/11/14 10:10
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 69.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		20	214512	11/18/14 03:26	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 13:56	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214420	11/14/14 13:58	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:47	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:59	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125404	11/17/14 12:17	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:25	CAK	TAL PIT

Client Sample ID: SO-07-1114-0-4

Lab Sample ID: 480-71163-14

Date Collected: 11/11/14 09:00
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		50	214512	11/18/14 03:49	LMW	TAL BUF

Client Sample ID: SO-07-1114-0-4

Lab Sample ID: 480-71163-14

Date Collected: 11/11/14 09:00
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 14:01	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214420	11/14/14 14:04	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214766	11/17/14 23:31	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:48	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 15:01	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125404	11/17/14 12:17	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:27	CAK	TAL PIT

Client Sample ID: SO-07-1114-4-8

Lab Sample ID: 480-71163-15

Date Collected: 11/11/14 09:15
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 63.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214512	11/17/14 23:28	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 14:06	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214766	11/17/14 23:34	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:50	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:49	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125404	11/17/14 12:17	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:21	CAK	TAL PIT

Client Sample ID: SO-07-1114-8-12

Lab Sample ID: 480-71163-16

Date Collected: 11/11/14 09:30
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 68.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		20	214512	11/18/14 04:13	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 14:28	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214766	11/17/14 23:47	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214766	11/18/14 00:04	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 13:57	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 15:02	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125404	11/17/14 12:17	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:28	CAK	TAL PIT

Client Sample ID: SO-07-1114-12-16

Lab Sample ID: 480-71163-17

Date Collected: 11/11/14 09:45
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 64.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		10	214512	11/18/14 04:37	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 14:30	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214766	11/18/14 00:06	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214766	11/18/14 00:09	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:02	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 15:04	KMF	TAL BUF
Total/NA	Leach	9016			263091	11/16/14 13:30	JAK	TAL EDI
Total/NA	Prep	9016			263193	11/17/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	263277	11/17/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125404	11/17/14 12:17	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:30	CAK	TAL PIT

Client Sample ID: SO-07-1114-16-20

Lab Sample ID: 480-71163-18

Date Collected: 11/11/14 10:00
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		1	214512	11/18/14 05:01	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 14:33	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214766	11/18/14 00:12	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:04	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 15:07	KMF	TAL BUF
Total/NA	Leach	9016			263751	11/19/14 10:00	JAK	TAL EDI
Total/NA	Prep	9016			264049	11/20/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	264149	11/20/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125404	11/17/14 12:17	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:31	CAK	TAL PIT

Client Sample ID: SO-09-1114-0-4

Lab Sample ID: 480-71163-19

Date Collected: 11/11/14 11:05
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		20	214512	11/18/14 05:24	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 14:36	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214766	11/18/14 00:14	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:06	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 15:08	KMF	TAL BUF
Total/NA	Leach	9016			263751	11/19/14 10:00	JAK	TAL EDI
Total/NA	Prep	9016			264049	11/20/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	264149	11/20/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125404	11/17/14 12:17	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:33	CAK	TAL PIT

Client Sample ID: SO-09-1114-4-8

Lab Sample ID: 480-71163-20

Date Collected: 11/11/14 11:15
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 73.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		5	214512	11/18/14 05:48	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 14:38	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214420	11/14/14 14:41	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214766	11/18/14 00:17	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:08	LRK	TAL BUF
Total/NA	Prep	9012B			215084	11/20/14 11:59	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 15:10	KMF	TAL BUF
Total/NA	Leach	9016			263751	11/19/14 10:00	JAK	TAL EDI
Total/NA	Prep	9016			264049	11/20/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	264149	11/20/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125404	11/17/14 12:17	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:34	CAK	TAL PIT

Client Sample ID: SO-09-1114-8-12

Lab Sample ID: 480-71163-21

Date Collected: 11/11/14 11:25
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 55.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		1	214512	11/18/14 06:12	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 14:44	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214766	11/18/14 00:20	TRB	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:09	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 14:47	KMF	TAL BUF
Total/NA	Leach	9016			263751	11/19/14 10:00	JAK	TAL EDI
Total/NA	Prep	9016			264049	11/20/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	264149	11/20/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262807	11/14/14 16:24	CJA	TAL EDI
Total/NA	Prep	9013A			125404	11/17/14 12:17	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:36	CAK	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Client Sample ID: SO-09-1114-12-16
Date Collected: 11/11/14 11:35
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71163-22
Matrix: Solid
Percent Solids: 61.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			213883	11/13/14 11:04	GVF	TAL BUF
Total/NA	Analysis	8270D		100	214512	11/18/14 06:36	LMW	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214420	11/14/14 14:46	TRB	TAL BUF
Total/NA	Prep	3050B			213660	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	216374	11/28/14 10:02	AMH	TAL BUF
Total/NA	Prep	7471B			213848	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:11	LRK	TAL BUF
Total/NA	Prep	9012B			215500	11/22/14 11:02	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 13:07	KMF	TAL BUF
Total/NA	Leach	9016			263751	11/19/14 10:00	JAK	TAL EDI
Total/NA	Prep	9016			264049	11/20/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	264149	11/20/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262810	11/14/14 16:43	CJA	TAL EDI
Total/NA	Prep	9013A			125404	11/17/14 12:17	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125764	11/19/14 16:37	CAK	TAL PIT

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Solid	Hexadecane

Laboratory: TestAmerica Edison

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-15

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
OIA-1677	9013A	Solid	Cyanide, Available

Method Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
9016	Cyanide, Free	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
OIA-1677	Cyanide, Available (Flow Injection)	OI CORP	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

OI CORP = OI Corporation Instrument Manual.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71163-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-71163-1	SW-CB01-1114-F	Water	11/10/14 16:40	11/11/14 15:55
480-71163-2	SW-CB01-1114-U	Water	11/10/14 16:20	11/11/14 15:55
480-71163-3	SO-06-1114-0-4	Solid	11/10/14 14:50	11/11/14 15:55
480-71163-4	SO-06-1114-4-8	Solid	11/10/14 15:00	11/11/14 15:55
480-71163-5	SO-06-1114-8-12	Solid	11/10/14 15:10	11/11/14 15:55
480-71163-6	SO-06-1114-12-16	Solid	11/10/14 15:20	11/11/14 15:55
480-71163-7	SO-06-1114-16-20	Solid	11/10/14 15:30	11/11/14 15:55
480-71163-8	SE-CB01-1114	Solid	11/11/14 08:23	11/11/14 15:55
480-71163-9	SO-08-1114-4-8	Solid	11/11/14 10:20	11/11/14 15:55
480-71163-10	SO-08-1114-8-12	Solid	11/11/14 10:30	11/11/14 15:55
480-71163-11	SO-08-1114-12-16	Solid	11/11/14 10:40	11/11/14 15:55
480-71163-12	SO-08-1114-16-20	Solid	11/11/14 10:50	11/11/14 15:55
480-71163-13	SO-08-1114-0-4	Solid	11/11/14 10:10	11/11/14 15:55
480-71163-14	SO-07-1114-0-4	Solid	11/11/14 09:00	11/11/14 15:55
480-71163-15	SO-07-1114-4-8	Solid	11/11/14 09:15	11/11/14 15:55
480-71163-16	SO-07-1114-8-12	Solid	11/11/14 09:30	11/11/14 15:55
480-71163-17	SO-07-1114-12-16	Solid	11/11/14 09:45	11/11/14 15:55
480-71163-18	SO-07-1114-16-20	Solid	11/11/14 10:00	11/11/14 15:55
480-71163-19	SO-09-1114-0-4	Solid	11/11/14 11:05	11/11/14 15:55
480-71163-20	SO-09-1114-4-8	Solid	11/11/14 11:15	11/11/14 15:55
480-71163-21	SO-09-1114-8-12	Solid	11/11/14 11:25	11/11/14 15:55
480-71163-22	SO-09-1114-12-16	Solid	11/11/14 11:35	11/11/14 15:55

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

480-71163 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Heidi Dudek	11/11/14	278872
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
625 Broadway	518-402-9813		
City	**State**	**Zip Code**	**Site Contact**	**Lab Contact**
Albany	NY	12233-7017	Andy Paurus	Brian Fischer
Project Name and Location (State)	**Carrier/Waybill Number**	
BLCP GI Trackdown, Buffalo, NY		
Contract/Purchase Order/Quote No.	
Site No. 915193A, Parcel 4, Lab Call Out	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Free CN	Acid CN	TCL SVOCs +TICs	Hg, TAL Metals, Total CN	Special Instructions/ Conditions of Receipt
SW-CB01-1114-F	11/10/14	16:40		X			X		X		X	X		X	X	X	X
SW-CB01-1114-U	11/10/14	16:20		X			X		X		X	X		X	X	X	X
SO-06-1114-0-4	11/10/14	14:50				X	X						X	X	X	X	X
SO-06-1114-4-8	11/10/14	15:00				X	X						X	X			
SO-06-1114-8-12	11/10/14	15:10				X	X						X	X	X	X	X
SO-06-1114-12-16	11/10/14	15:20				X	X						X	X	X	X	X
SO-06-1114-16-20	11/10/14	15:30				X	X						X	X	X	X	X
SE-CB01-1114	11/11/14	08:23			X		X						X	X	X	X	X
SO-08-1114-4-8	11/11/14	10:20				X	X						X	X	X	X	X
SO-08-1114-8-12	11/11/14	10:30				X	X						X	X	X	X	X
SO-08-1114-12-16	11/11/14	10:40				X	X						X	X	X	X	X
SO-08-1114-16-20	11/11/14	10:50				X	X						X	X	X	X	X

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	Andy Paurus	11/11/14	14:00		11/11/14	1515
2.		11/11/14	1555		11/11/14	1555
3.						

Comments

2.8, 2.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Heidi Dudek	11/11/14	278874
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page _____ of _____**
625 Broadway	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Figueras	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BCP CN Trackdown			
Contract/Purchase Order/Quote No.			
Site No. 915193A, Parcel 4 Lab Callout			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Other	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: Free CN	Avail CN	TCL SVOCs + 20	Hg, TAL Metals	Total CN
SO-08-1114-0-4	11-11-14	10:10				X		X						X	X	X	X	X
SO-07-1114-0-4	11-11-14	9:00				X		X						X	X	X	X	X
SO-07-1114-4-8	11-11-14	9:15				X		X						X	X	X	X	X
SO-07-1114-8-12	11-11-14	9:30				X		X						X	X	X	X	X
SO-07-1114-12-16	11-11-14	9:45				X		X						X	X	X	X	X
SO-07-1114-16-20	11-11-14	10:00				X		X						X	X	X	X	X
SO-07-1114-MS	11-11-14	9:15				X		X						X	X	X	X	X
SO-07-1114-MSD	11-11-14	9:15				X		X						X	X	X	X	X
SO-09-1114-0-4	11-11-14	11:05				X		X						X	X	X	X	X
SO-09-1114-4-8	11-11-14	11:15				X		X						X	X	X	X	X
SO-09-1114-8-12	11-11-14	11:25				X		X						X	X	X	X	X
SO-09-1114-12-16	11-11-15	11:35				X		X						X	X	X	X	X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Amy Figueras	11/11/14	14:40
2. Relinquished By:	11/11/14	1555
3. Relinquished By:		
1. Received By:	11/11/14	1555
2. Received By:	11/11/14	1555
3. Received By:		

Comments

2.8(2.0#)

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

11AA 13AA

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21379.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-71163-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/21/2014			Preservation Codes:
City: Pittsburgh	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify) Other:
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email:	WO #:			
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677	1677/9013A	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SW-CB01-1114-F (480-71163-1)	11/10/14	16:40 Eastern		Water			X			
SW-CB01-1114-U (480-71163-2)	11/10/14	16:20 Eastern		Water			X			
SO-06-1114-0-4 (480-71163-3)	11/10/14	14:50 Eastern		Solid				X		
SO-06-1114-4-8 (480-71163-4)	11/10/14	15:00 Eastern		Solid				X		
SO-06-1114-8-12 (480-71163-5)	11/10/14	15:10 Eastern		Solid				X		
SO-06-1114-12-16 (480-71163-6)	11/10/14	15:20 Eastern		Solid				X		
SO-06-1114-16-20 (480-71163-7)	11/10/14	15:30 Eastern		Solid				X		
SE-CB01-1114 (480-71163-8)	11/11/14	08:23 Eastern		Solid				X		
SO-08-1114-4-8 (480-71163-9)	11/11/14	10:20 Eastern		Solid				X		
SO-08-1114-8-12 (480-71163-10)	11/11/14	10:30 Eastern		Solid				X		
SO-08-1114-12-16 (480-71163-11)	11/11/14	10:40 Eastern		Solid				X		

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Cameron Wallace	11/12/14 1700	TAB	DWaton	11-13-14 8:45	TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

12/12/2014

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

13AA

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21379.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-71163-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/21/2014			Preservation Codes:
City: Pittsburgh	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677	1677/9013A	Total Number of containers	Special Instructions/Note:
			Preservation Code							
SO-08-1114-16-20 (480-71163-12)	11/11/14	10:50 Eastern		Solid				X	1	
SO-08-1114-0-4 (480-71163-13)	11/11/14	10:10 Eastern		Solid				X	1	
SO-07-1114-0-4 (480-71163-14)	11/11/14	09:00 Eastern		Solid				X	1	
SO-07-1114-4-8 (480-71163-15)	11/11/14	09:15 Eastern		Solid				X	1	
SO-07-1114-4-8 (480-71163-15MS)	11/11/14	09:15 Eastern	MS	Solid				X	1	
SO-07-1114-4-8 (480-71163-15MSD)	11/11/14	09:15 Eastern	MSD	Solid				X	1	
SO-07-1114-8-12 (480-71163-16)	11/11/14	09:30 Eastern		Solid				X	1	
SO-07-1114-12-16 (480-71163-17)	11/11/14	09:45 Eastern		Solid				X	1	
SO-07-1114-16-20 (480-71163-18)	11/11/14	10:00 Eastern		Solid				X	1	
SO-09-1114-0-4 (480-71163-19)	11/11/14	11:05 Eastern		Solid				X	1	
SO-09-1114-4-8 (480-71163-20)	11/11/14	11:15 Eastern		Solid				X	1	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Cameron Wallace	11/12/14 1700	TAB	[illegible]	11-13-14 8:45	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

12/12/2014

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21379.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-71163-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/21/2014			Preservation Codes:
City: Pittsburgh	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 O - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677	1677/9013A	Total Number of containers	Special Instructions/Note:
			Preservation Code							
SO-09-1114-8-12 (480-71163-21)	11/11/14	11:25 Eastern		Solid				X		
SO-09-1114-12-16 (480-71163-22)	11/11/14	11:35 Eastern		Solid				X		

Possible Hazard Identification *Unconfirmed*	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Cameron Wallace	11/12/14 1700	TAB	DNiaton	11-13-14 8:45	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

12/12/2014

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-71163 Chain of Custody

THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	SOC No: 480-21378.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		**Analysis Requested**	Job #: 480-71163-1
Address: 777 New Durham Road,	Due Date Requested: 11/14/2014		**Preservation Codes:**
City: Edison	TAT Requested (days):		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)
State, Zip: NJ, 08817			
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:		Other:
Email:	WO #:		
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749		
Site:	SSOW#:		

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Moisture	9016/9016_ExtPrep	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SO-06-1114-0-4 (480-71163-3)	11/10/14	14:50 Eastern		Solid			X	X	1	
SO-06-1114-4-8 (480-71163-4)	11/10/14	15:00 Eastern		Solid			X	X	1	
SO-06-1114-8-12 (480-71163-5)	11/10/14	15:10 Eastern		Solid			X	X	1	
SO-06-1114-12-16 (480-71163-6)	11/10/14	15:20 Eastern		Solid			X	X	1	
SO-08-1114-16-20 (480-71163-7)	11/10/14	15:30 Eastern		Solid			X	X	1	
SE-CB01-1114 (480-71163-8)	11/11/14	08:23 Eastern		Solid			X	X	1	
SO-08-1114-4-8 (480-71163-9)	11/11/14	10:20 Eastern		Solid			X	X	1	
SO-08-1114-8-12 (480-71163-10)	11/11/14	10:30 Eastern		Solid			X	X	1	
SO-08-1114-12-16 (480-71163-11)	11/11/14	10:40 Eastern		Solid			X	X	1	
SO-08-1114-16-20 (480-71163-12)	11/11/14	10:50 Eastern		Solid			X	X	1	
SO-08-1114-0-4 (480-71163-13)	11/11/14	10:10 Eastern		Solid			X	X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Cameron Wallace	Date/Time: 11/12/14 1500	Company: TAB	Received by: Fed Ex	Date/Time:	Company		
Relinquished by: Fed Ex	Date/Time:	Company	Received by: Thomas Mayes	Date/Time: 11/13/14 09:30	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 233437

Cooler Temperature(s) °C and Other Remarks: 3.6/6.6 · IR

12/12/2014

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21378.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		**Analysis Requested**		Job #: 480-71163-1
Address: 777 New Durham Road, ,	Due Date Requested: 11/14/2014			**Preservation Codes:** A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
City: Edison	TAT Requested (days):			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Moisture	9016/9016_ExtPrep	Total Number of containers	Special Instructions/Note:
		Preservation Code:								
SO-07-1114-0-4 (480-71163-14)	11/11/14	09:00 Eastern		Solid			X	X	1	
SO-07-1114-4-8 (480-71163-15)	11/11/14	09:15 Eastern		Solid			X	X	1	
SO-07-1114-4-8 (480-71163-15MS)	11/11/14	09:15 Eastern	MS	Solid			X	X	1	
SO-07-1114-4-8 (480-71163-15MSD)	11/11/14	09:15 Eastern	MSD	Solid			X	X	1	
SO-07-1114-8-12 (480-71163-16)	11/11/14	09:30 Eastern		Solid			X	X	1	
SO-07-1114-12-16 (480-71163-17)	11/11/14	09:45 Eastern		Solid			X	X	1	
SO-07-1114-16-20 (480-71163-18)	11/11/14	10:00 Eastern		Solid			X	X	1	
SO-09-1114-0-4 (480-71163-19)	11/11/14	11:05 Eastern		Solid			X	X	1	
SO-09-1114-4-8 (480-71163-20)	11/11/14	11:15 Eastern		Solid			X	X	1	
SO-09-1114-8-12 (480-71163-21)	11/11/14	11:25 Eastern		Solid			X	X	1	
SO-09-1114-12-16 (480-71163-22)	11/11/14	11:35 Eastern		Solid			X	X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: [signature]	Date/Time: 11/12/14 1200	Company TAB	Received by: [signature]	Date/Time:	Company
Relinquished by: [signature]	Date/Time:	Company	Received by: [signature]	Date/Time: 11/13/14 09:30	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 233437	Cooler Temperature(s) °C and Other Remarks: 3.6/6.6 - #6

12/12/2014

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71163-1

Login Number: 71163

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	dec
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71163-1

Login Number: 71163
List Number: 5
Creator: Villadarez, Gerson Timothy S

List Source: TestAmerica Edison
List Creation: 11/13/14 04:10 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	233437
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.6°C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71163-1

Login Number: 71163
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 11/13/14 02:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71163-1

Login Number: 71163
List Number: 3
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 11/13/14 02:32 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71163-1

Login Number: 71163
List Number: 4
Creator: Klingman, Neil A

List Source: TestAmerica Pittsburgh
List Creation: 11/13/14 03:57 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-71165-1
Client Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Joseph V. Giacomazza

Authorized for release by:
12/9/2014 1:53:01 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

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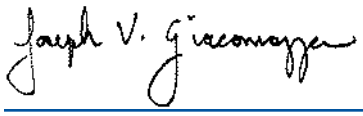
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
12/9/2014 1:53:01 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-71165-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-71165-1

Receipt
The samples were received on 11/11/2014 3:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.0º C and 2.8º C.

Except:

Method(s) Moisture: The sample duplicate precision for the following sample associated with batch 262789 was outside control limits.

GC/MS Semi VOA
Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix : SO-10-01-1114-0-4 (480-71165-8), SO-10-01-1114-12-16 (480-71165-11), SO-10-01-1114-4-8 (480-71165-9), SO-10-01-1114-8-12 (480-71165-10), SO-BD-01-1114-0-4 (480-71165-7). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D: The analyte Benzaldehyde was outside of routine calibration acceptance limits for the initial calibration curve in analytical batch 214252. As per the method, the calibration model is acceptable as long as no more than 20% of analytes fail acceptance limits. All results for Benzaldehyde should be considered estimates. (CCVIS 480-214609/9)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The Low Level Continuing Calibration Verification (CCVL 480-214409/21) contained total magnesium and manganese above the reporting limit (RL). All reported samples (MB 480-213667/1-A), SO-09-1114-16-20 (480-71165-6), SO-10-01-1114-0-4 (480-71165-8), SO-BD-01-1114-0-4 (480-71165-7) associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The following sample was diluted due to the presence of total iron which interferes with cadmium cobalt, chromium, copper, magnesium, manganese, nickel, lead, antimony, thallium, and vanadium: SO-10-01-1114-0-4 (480-71165-8). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following samples were diluted due to the presence of total iron which interferes with cadmium, cobalt, chromium, copper, magnesium, manganese, nickel, lead, animony, thallium, and vanadium: (480-71165-9 MS), (480-71165-9 MSD), (480-71165-9 PDS), (480-71165-9 SD), SO-10-01-1114-4-8 (480-71165-9), SO-10-01-1114-8-12 (480-71165-10). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following sample was diluted due to the presence of total manganese which interferes with silver, chromium, magnesium, lead, selenium, thallium, and vanadium: SO-10-01-1114-8-12 (480-71165-10). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The Serial Dilution (480-71165-9 SD) in batch 480-213667, exhibited a result outside the quality control limits for total zinc. However, the Post Digestion Spike was compliant so no corrective action was necessary

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-214740/16) for analytical batch 480-214740 contained total manganese above the upper quality control limit. All reported samples associated with this CCVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of sample (LCSSRM 480-213667/2-) was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Job ID: 480-71165-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-CB02-1114-U
Date Collected: 11/11/14 09:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/13/14 05:22	11/18/14 16:31	1
2,4,6-Trichlorophenol	ND		5.0	0.62	ug/L		11/13/14 05:22	11/18/14 16:31	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/13/14 05:22	11/18/14 16:31	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/13/14 05:22	11/18/14 16:31	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/13/14 05:22	11/18/14 16:31	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/13/14 05:22	11/18/14 16:31	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/13/14 05:22	11/18/14 16:31	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/13/14 05:22	11/18/14 16:31	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/13/14 05:22	11/18/14 16:31	1
2-Methylnaphthalene	ND		5.0	0.61	ug/L		11/13/14 05:22	11/18/14 16:31	1
2-Methylphenol	**0.40**	**J B**	5.0	0.40	ug/L		11/13/14 05:22	11/18/14 16:31	1
2-Nitroaniline	ND		10	0.42	ug/L		11/13/14 05:22	11/18/14 16:31	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/13/14 05:22	11/18/14 16:31	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/13/14 05:22	11/18/14 16:31	1
3-Nitroaniline	ND		10	0.48	ug/L		11/13/14 05:22	11/18/14 16:31	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/13/14 05:22	11/18/14 16:31	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/13/14 05:22	11/18/14 16:31	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/13/14 05:22	11/18/14 16:31	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/13/14 05:22	11/18/14 16:31	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/13/14 05:22	11/18/14 16:31	1
4-Methylphenol	ND		10	0.36	ug/L		11/13/14 05:22	11/18/14 16:31	1
4-Nitroaniline	ND		10	0.25	ug/L		11/13/14 05:22	11/18/14 16:31	1
4-Nitrophenol	ND		10	1.5	ug/L		11/13/14 05:22	11/18/14 16:31	1
Acenaphthene	ND		5.0	0.41	ug/L		11/13/14 05:22	11/18/14 16:31	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/13/14 05:22	11/18/14 16:31	1
Acetophenone	ND		5.0	0.54	ug/L		11/13/14 05:22	11/18/14 16:31	1
Anthracene	ND		5.0	0.28	ug/L		11/13/14 05:22	11/18/14 16:31	1
Atrazine	ND		5.0	0.46	ug/L		11/13/14 05:22	11/18/14 16:31	1
Benzaldehyde	**0.84**	**J B**	5.0	0.27	ug/L		11/13/14 05:22	11/18/14 16:31	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/13/14 05:22	11/18/14 16:31	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/13/14 05:22	11/18/14 16:31	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/13/14 05:22	11/18/14 16:31	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/13/14 05:22	11/18/14 16:31	1
Benzo[k]fluoranthene	ND		5.0	0.74	ug/L		11/13/14 05:22	11/18/14 16:31	1
Biphenyl	ND		5.0	0.66	ug/L		11/13/14 05:22	11/18/14 16:31	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/13/14 05:22	11/18/14 16:31	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/13/14 05:22	11/18/14 16:31	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/13/14 05:22	11/18/14 16:31	1
Bis(2-ethylhexyl) phthalate	**3.5**	**J B**	5.0	1.8	ug/L		11/13/14 05:22	11/18/14 16:31	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		11/13/14 05:22	11/18/14 16:31	1
Caprolactam	ND		5.0	2.2	ug/L		11/13/14 05:22	11/18/14 16:31	1
Carbazole	ND		5.0	0.30	ug/L		11/13/14 05:22	11/18/14 16:31	1
Chrysene	ND		5.0	0.33	ug/L		11/13/14 05:22	11/18/14 16:31	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/13/14 05:22	11/18/14 16:31	1
Dibenzofuran	ND		10	0.51	ug/L		11/13/14 05:22	11/18/14 16:31	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/13/14 05:22	11/18/14 16:31	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/13/14 05:22	11/18/14 16:31	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/13/14 05:22	11/18/14 16:31	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/13/14 05:22	11/18/14 16:31	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-CB02-1114-U
Date Collected: 11/11/14 09:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		11/13/14 05:22	11/18/14 16:31	1
Fluorene	ND		5.0	0.36	ug/L		11/13/14 05:22	11/18/14 16:31	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/13/14 05:22	11/18/14 16:31	1
Hexachlorobutadiene	ND		5.0	0.69	ug/L		11/13/14 05:22	11/18/14 16:31	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/13/14 05:22	11/18/14 16:31	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/13/14 05:22	11/18/14 16:31	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/13/14 05:22	11/18/14 16:31	1
Isophorone	ND		5.0	0.43	ug/L		11/13/14 05:22	11/18/14 16:31	1
Naphthalene	ND		5.0	0.77	ug/L		11/13/14 05:22	11/18/14 16:31	1
Nitrobenzene	**0.60**	**J**	5.0	0.29	ug/L		11/13/14 05:22	11/18/14 16:31	1
N-Nitrosodi-n-propylamine	**4.4**	**J**	5.0	0.54	ug/L		11/13/14 05:22	11/18/14 16:31	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/13/14 05:22	11/18/14 16:31	1
Pentachlorophenol	ND		10	2.2	ug/L		11/13/14 05:22	11/18/14 16:31	1
Phenanthrene	ND		5.0	0.44	ug/L		11/13/14 05:22	11/18/14 16:31	1
Phenol	ND		5.0	0.39	ug/L		11/13/14 05:22	11/18/14 16:31	1
Pyrene	ND		5.0	0.34	ug/L		11/13/14 05:22	11/18/14 16:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1-Hexene	*16*	*T J N*	*ug/L*		*3.46*	*592-41-6*	*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*70*	*T J*	*ug/L*		*3.55*		*11/13/14 05:22*	*11/18/14 16:31*	*1*
1-Hexanol, 2-ethyl-	*5.5*	*T J N*	*ug/L*		*6.11*	*104-76-7*	*11/13/14 05:22*	*11/18/14 16:31*	*1*
Cyclopentasiloxane, decamethyl-	*2.8*	*T J N*	*ug/L*		*6.67*	*541-02-6*	*11/13/14 05:22*	*11/18/14 16:31*	*1*
n-Hexadecanoic acid	*5.6*	*T J N*	*ug/L*		*10.26*	*57-10-3*	*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*23*	*T J*	*ug/L*		*10.85*		*11/13/14 05:22*	*11/18/14 16:31*	*1*
Octadecanoic acid	*6.8*	*T J N*	*ug/L*		*10.91*	*57-11-4*	*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*7.1*	*T J*	*ug/L*		*11.34*		*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*18*	*T J*	*ug/L*		*11.69*		*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*12.03*		*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*16*	*T J*	*ug/L*		*12.29*		*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*37*	*T J*	*ug/L*		*12.69*		*11/13/14 05:22*	*11/18/14 16:31*	*1*
Kepone	*2.6*	*J*	*ug/L*		*12.76*	*143-50-0*	*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*5.1*	*T J*	*ug/L*		*13.11*		*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*22*	*T J*	*ug/L*		*13.41*		*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*5.7*	*T J*	*ug/L*		*13.82*		*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*5.4*	*T J*	*ug/L*		*14.36*		*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*18*	*T J*	*ug/L*		*14.70*		*11/13/14 05:22*	*11/18/14 16:31*	*1*
Cholesterol	*3.4*	*T J N*	*ug/L*		*15.00*	*57-88-5*	*11/13/14 05:22*	*11/18/14 16:31*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*16.02*		*11/13/14 05:22*	*11/18/14 16:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*11/13/14 05:22*	*11/18/14 16:31*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*11/13/14 05:22*	*11/18/14 16:31*	*1*
2-Fluorophenol (Surr)	*72*		*20 - 120*	*11/13/14 05:22*	*11/18/14 16:31*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*11/13/14 05:22*	*11/18/14 16:31*	*1*
Phenol-d5 (Surr)	*43*		*16 - 120*	*11/13/14 05:22*	*11/18/14 16:31*	*1*
p-Terphenyl-d14 (Surr)	*81*		*67 - 150*	*11/13/14 05:22*	*11/18/14 16:31*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.16**	**J**	0.20	0.060	mg/L		11/13/14 08:23	11/13/14 14:38	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-CB02-1114-U
Date Collected: 11/11/14 09:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		11/13/14 08:23	11/13/14 14:38	1
Arsenic	ND		0.015	0.0056	mg/L		11/13/14 08:23	11/13/14 14:38	1
Barium	**0.018**		0.0020	0.00070	mg/L		11/13/14 08:23	11/13/14 14:38	1
Beryllium	ND		0.0020	0.00030	mg/L		11/13/14 08:23	11/13/14 14:38	1
Cadmium	ND		0.0020	0.00050	mg/L		11/13/14 08:23	11/13/14 14:38	1
Calcium	**32.8**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 14:38	1
Chromium	ND		0.0040	0.0010	mg/L		11/13/14 08:23	11/13/14 14:38	1
Cobalt	**0.00073**	**J**	0.0040	0.00063	mg/L		11/13/14 08:23	11/13/14 14:38	1
Copper	**0.0032**	**J**	0.010	0.0016	mg/L		11/13/14 08:23	11/13/14 14:38	1
Iron	**0.58**		0.050	0.019	mg/L		11/13/14 08:23	11/13/14 14:38	1
Lead	ND		0.010	0.0030	mg/L		11/13/14 08:23	11/13/14 14:38	1
Magnesium	**1.0**		0.20	0.043	mg/L		11/13/14 08:23	11/13/14 14:38	1
Manganese	**0.089**		0.0030	0.00040	mg/L		11/13/14 08:23	11/13/14 14:38	1
Nickel	ND		0.010	0.0013	mg/L		11/13/14 08:23	11/13/14 14:38	1
Potassium	**2.1**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 14:38	1
Selenium	ND		0.025	0.0087	mg/L		11/13/14 08:23	11/13/14 14:38	1
Silver	ND		0.0060	0.0017	mg/L		11/13/14 08:23	11/13/14 14:38	1
Sodium	**14.2**		1.0	0.32	mg/L		11/13/14 08:23	11/13/14 14:38	1
Thallium	ND		0.020	0.010	mg/L		11/13/14 08:23	11/13/14 14:38	1
Vanadium	ND		0.0050	0.0015	mg/L		11/13/14 08:23	11/13/14 14:38	1
Zinc	**0.014**	**B**	0.010	0.0015	mg/L		11/13/14 08:23	11/13/14 14:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/12/14 09:00	11/12/14 12:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/20/14 09:39	11/20/14 14:10	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/19/14 12:40	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-CB02-1114-F
Date Collected: 11/11/14 09:35
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		11/13/14 05:22	11/18/14 16:56	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		11/13/14 05:22	11/18/14 16:56	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		11/13/14 05:22	11/18/14 16:56	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		11/13/14 05:22	11/18/14 16:56	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		11/13/14 05:22	11/18/14 16:56	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		11/13/14 05:22	11/18/14 16:56	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		11/13/14 05:22	11/18/14 16:56	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		11/13/14 05:22	11/18/14 16:56	1
2-Chlorophenol	ND		4.9	0.52	ug/L		11/13/14 05:22	11/18/14 16:56	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		11/13/14 05:22	11/18/14 16:56	1
2-Methylphenol	**0.42**	**J B**	4.9	0.39	ug/L		11/13/14 05:22	11/18/14 16:56	1
2-Nitroaniline	ND		9.8	0.41	ug/L		11/13/14 05:22	11/18/14 16:56	1
2-Nitrophenol	ND		4.9	0.47	ug/L		11/13/14 05:22	11/18/14 16:56	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		11/13/14 05:22	11/18/14 16:56	1
3-Nitroaniline	ND		9.8	0.47	ug/L		11/13/14 05:22	11/18/14 16:56	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.1	ug/L		11/13/14 05:22	11/18/14 16:56	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		11/13/14 05:22	11/18/14 16:56	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		11/13/14 05:22	11/18/14 16:56	1
4-Chloroaniline	ND		4.9	0.58	ug/L		11/13/14 05:22	11/18/14 16:56	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		11/13/14 05:22	11/18/14 16:56	1
4-Methylphenol	ND		9.8	0.35	ug/L		11/13/14 05:22	11/18/14 16:56	1
4-Nitroaniline	ND		9.8	0.24	ug/L		11/13/14 05:22	11/18/14 16:56	1
4-Nitrophenol	ND		9.8	1.5	ug/L		11/13/14 05:22	11/18/14 16:56	1
Acenaphthene	ND		4.9	0.40	ug/L		11/13/14 05:22	11/18/14 16:56	1
Acenaphthylene	ND		4.9	0.37	ug/L		11/13/14 05:22	11/18/14 16:56	1
Acetophenone	ND		4.9	0.53	ug/L		11/13/14 05:22	11/18/14 16:56	1
Anthracene	ND		4.9	0.27	ug/L		11/13/14 05:22	11/18/14 16:56	1
Atrazine	ND		4.9	0.45	ug/L		11/13/14 05:22	11/18/14 16:56	1
Benzaldehyde	**0.75**	**J B**	4.9	0.26	ug/L		11/13/14 05:22	11/18/14 16:56	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		11/13/14 05:22	11/18/14 16:56	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		11/13/14 05:22	11/18/14 16:56	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		11/13/14 05:22	11/18/14 16:56	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		11/13/14 05:22	11/18/14 16:56	1
Benzo[k]fluoranthene	ND		4.9	0.71	ug/L		11/13/14 05:22	11/18/14 16:56	1
Biphenyl	ND		4.9	0.64	ug/L		11/13/14 05:22	11/18/14 16:56	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		11/13/14 05:22	11/18/14 16:56	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		11/13/14 05:22	11/18/14 16:56	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		11/13/14 05:22	11/18/14 16:56	1
Bis(2-ethylhexyl) phthalate	**3.8**	**J B**	4.9	1.8	ug/L		11/13/14 05:22	11/18/14 16:56	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		11/13/14 05:22	11/18/14 16:56	1
Caprolactam	ND		4.9	2.1	ug/L		11/13/14 05:22	11/18/14 16:56	1
Carbazole	ND		4.9	0.29	ug/L		11/13/14 05:22	11/18/14 16:56	1
Chrysene	ND		4.9	0.32	ug/L		11/13/14 05:22	11/18/14 16:56	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		11/13/14 05:22	11/18/14 16:56	1
Dibenzofuran	ND		9.8	0.50	ug/L		11/13/14 05:22	11/18/14 16:56	1
Diethyl phthalate	ND		4.9	0.21	ug/L		11/13/14 05:22	11/18/14 16:56	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		11/13/14 05:22	11/18/14 16:56	1
Di-n-butyl phthalate	**0.34**	**J**	4.9	0.30	ug/L		11/13/14 05:22	11/18/14 16:56	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		11/13/14 05:22	11/18/14 16:56	1

Client Sample ID: SW-CB02-1114-F
Date Collected: 11/11/14 09:35
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		11/13/14 05:22	11/18/14 16:56	1
Fluorene	ND		4.9	0.35	ug/L		11/13/14 05:22	11/18/14 16:56	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		11/13/14 05:22	11/18/14 16:56	1
Hexachlorobutadiene	ND		4.9	0.66	ug/L		11/13/14 05:22	11/18/14 16:56	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		11/13/14 05:22	11/18/14 16:56	1
Hexachloroethane	ND		4.9	0.58	ug/L		11/13/14 05:22	11/18/14 16:56	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		11/13/14 05:22	11/18/14 16:56	1
Isophorone	ND		4.9	0.42	ug/L		11/13/14 05:22	11/18/14 16:56	1
Naphthalene	ND		4.9	0.74	ug/L		11/13/14 05:22	11/18/14 16:56	1
Nitrobenzene	**0.47**	**J**	4.9	0.28	ug/L		11/13/14 05:22	11/18/14 16:56	1
N-Nitrosodi-n-propylamine	**4.7**	**J**	4.9	0.53	ug/L		11/13/14 05:22	11/18/14 16:56	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		11/13/14 05:22	11/18/14 16:56	1
Pentachlorophenol	ND		9.8	2.1	ug/L		11/13/14 05:22	11/18/14 16:56	1
Phenanthrene	ND		4.9	0.43	ug/L		11/13/14 05:22	11/18/14 16:56	1
Phenol	ND		4.9	0.38	ug/L		11/13/14 05:22	11/18/14 16:56	1
Pyrene	ND		4.9	0.33	ug/L		11/13/14 05:22	11/18/14 16:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.4*	*T J*	*ug/L*		*3.51*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*69*	*T J*	*ug/L*		*3.55*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*5.3*	*T J*	*ug/L*		*6.11*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Cyclopentasiloxane, decamethyl-	*3.3*	*T J N*	*ug/L*		*6.67*	*541-02-6*	*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*9.94*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Diphenyl sulfone	*6.9*	*T J N*	*ug/L*		*10.26*	*127-63-9*	*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*30*	*T J*	*ug/L*		*10.85*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Octadecanoic acid	*6.5*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*8.0*	*T J*	*ug/L*		*11.34*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*17*	*T J*	*ug/L*		*11.70*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*12.04*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*18*	*T J*	*ug/L*		*12.29*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*15*	*T J*	*ug/L*		*12.69*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*5.4*	*T J*	*ug/L*		*13.11*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*23*	*T J*	*ug/L*		*13.41*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*14.36*		*11/13/14 05:22*	*11/18/14 16:56*	*1*
Unknown	*21*	*T J*	*ug/L*		*14.70*		*11/13/14 05:22*	*11/18/14 16:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*52 - 132*	*11/13/14 05:22*	*11/18/14 16:56*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*11/13/14 05:22*	*11/18/14 16:56*	*1*
2-Fluorophenol (Surr)	*71*		*20 - 120*	*11/13/14 05:22*	*11/18/14 16:56*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 120*	*11/13/14 05:22*	*11/18/14 16:56*	*1*
Phenol-d5 (Surr)	*43*		*16 - 120*	*11/13/14 05:22*	*11/18/14 16:56*	*1*
p-Terphenyl-d14 (Surr)	*85*		*67 - 150*	*11/13/14 05:22*	*11/18/14 16:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/13/14 08:23	11/13/14 14:51	1
Antimony	ND		0.020	0.0068	mg/L		11/13/14 08:23	11/13/14 14:51	1
Arsenic	ND		0.015	0.0056	mg/L		11/13/14 08:23	11/13/14 14:51	1
Barium	**0.014**		0.0020	0.00070	mg/L		11/13/14 08:23	11/13/14 14:51	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-CB02-1114-F
Date Collected: 11/11/14 09:35
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		11/13/14 08:23	11/13/14 14:51	1
Cadmium	ND		0.0020	0.00050	mg/L		11/13/14 08:23	11/13/14 14:51	1
Calcium	**32.2**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 14:51	1
Chromium	ND		0.0040	0.0010	mg/L		11/13/14 08:23	11/13/14 14:51	1
Cobalt	ND		0.0040	0.00063	mg/L		11/13/14 08:23	11/13/14 14:51	1
Copper	ND		0.010	0.0016	mg/L		11/13/14 08:23	11/13/14 14:51	1
Iron	**0.25**		0.050	0.019	mg/L		11/13/14 08:23	11/13/14 14:51	1
Lead	ND		0.010	0.0030	mg/L		11/13/14 08:23	11/13/14 14:51	1
Magnesium	**0.89**		0.20	0.043	mg/L		11/13/14 08:23	11/13/14 14:51	1
Manganese	**0.071**		0.0030	0.00040	mg/L		11/13/14 08:23	11/13/14 14:51	1
Nickel	ND		0.010	0.0013	mg/L		11/13/14 08:23	11/13/14 14:51	1
Potassium	**2.0**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 14:51	1
Selenium	ND		0.025	0.0087	mg/L		11/13/14 08:23	11/13/14 14:51	1
Silver	ND		0.0060	0.0017	mg/L		11/13/14 08:23	11/13/14 14:51	1
Sodium	**14.2**		1.0	0.32	mg/L		11/13/14 08:23	11/13/14 14:51	1
Thallium	ND		0.020	0.010	mg/L		11/13/14 08:23	11/13/14 14:51	1
Vanadium	ND		0.0050	0.0015	mg/L		11/13/14 08:23	11/13/14 14:51	1
Zinc	**0.0071**	**J B**	0.010	0.0015	mg/L		11/13/14 08:23	11/13/14 14:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/12/14 09:00	11/12/14 12:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/20/14 09:39	11/20/14 14:15	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/19/14 12:45	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-CB03-1114-F
Date Collected: 11/11/14 10:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		11/13/14 05:22	11/18/14 17:21	1
2,4,6-Trichlorophenol	ND		4.9	0.59	ug/L		11/13/14 05:22	11/18/14 17:21	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		11/13/14 05:22	11/18/14 17:21	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		11/13/14 05:22	11/18/14 17:21	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		11/13/14 05:22	11/18/14 17:21	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		11/13/14 05:22	11/18/14 17:21	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		11/13/14 05:22	11/18/14 17:21	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		11/13/14 05:22	11/18/14 17:21	1
2-Chlorophenol	ND		4.9	0.52	ug/L		11/13/14 05:22	11/18/14 17:21	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		11/13/14 05:22	11/18/14 17:21	1
2-Methylphenol	ND		4.9	0.39	ug/L		11/13/14 05:22	11/18/14 17:21	1
2-Nitroaniline	ND		9.8	0.41	ug/L		11/13/14 05:22	11/18/14 17:21	1
2-Nitrophenol	ND		4.9	0.47	ug/L		11/13/14 05:22	11/18/14 17:21	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		11/13/14 05:22	11/18/14 17:21	1
3-Nitroaniline	ND		9.8	0.47	ug/L		11/13/14 05:22	11/18/14 17:21	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.1	ug/L		11/13/14 05:22	11/18/14 17:21	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		11/13/14 05:22	11/18/14 17:21	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		11/13/14 05:22	11/18/14 17:21	1
4-Chloroaniline	ND		4.9	0.58	ug/L		11/13/14 05:22	11/18/14 17:21	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		11/13/14 05:22	11/18/14 17:21	1
4-Methylphenol	ND		9.8	0.35	ug/L		11/13/14 05:22	11/18/14 17:21	1
4-Nitroaniline	ND		9.8	0.24	ug/L		11/13/14 05:22	11/18/14 17:21	1
4-Nitrophenol	ND		9.8	1.5	ug/L		11/13/14 05:22	11/18/14 17:21	1
Acenaphthene	ND		4.9	0.40	ug/L		11/13/14 05:22	11/18/14 17:21	1
Acenaphthylene	ND		4.9	0.37	ug/L		11/13/14 05:22	11/18/14 17:21	1
Acetophenone	ND		4.9	0.53	ug/L		11/13/14 05:22	11/18/14 17:21	1
Anthracene	ND		4.9	0.27	ug/L		11/13/14 05:22	11/18/14 17:21	1
Atrazine	ND		4.9	0.45	ug/L		11/13/14 05:22	11/18/14 17:21	1
Benzaldehyde	**0.69**	**J B**	4.9	0.26	ug/L		11/13/14 05:22	11/18/14 17:21	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		11/13/14 05:22	11/18/14 17:21	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		11/13/14 05:22	11/18/14 17:21	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		11/13/14 05:22	11/18/14 17:21	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		11/13/14 05:22	11/18/14 17:21	1
Benzo[k]fluoranthene	ND		4.9	0.71	ug/L		11/13/14 05:22	11/18/14 17:21	1
Biphenyl	ND		4.9	0.64	ug/L		11/13/14 05:22	11/18/14 17:21	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		11/13/14 05:22	11/18/14 17:21	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		11/13/14 05:22	11/18/14 17:21	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		11/13/14 05:22	11/18/14 17:21	1
Bis(2-ethylhexyl) phthalate	**3.3**	**J B**	4.9	1.8	ug/L		11/13/14 05:22	11/18/14 17:21	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		11/13/14 05:22	11/18/14 17:21	1
Caprolactam	ND		4.9	2.1	ug/L		11/13/14 05:22	11/18/14 17:21	1
Carbazole	ND		4.9	0.29	ug/L		11/13/14 05:22	11/18/14 17:21	1
Chrysene	ND		4.9	0.32	ug/L		11/13/14 05:22	11/18/14 17:21	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		11/13/14 05:22	11/18/14 17:21	1
Dibenzofuran	ND		9.8	0.50	ug/L		11/13/14 05:22	11/18/14 17:21	1
Diethyl phthalate	ND		4.9	0.21	ug/L		11/13/14 05:22	11/18/14 17:21	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		11/13/14 05:22	11/18/14 17:21	1
Di-n-butyl phthalate	ND		4.9	0.30	ug/L		11/13/14 05:22	11/18/14 17:21	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		11/13/14 05:22	11/18/14 17:21	1

Client Sample ID: SW-CB03-1114-F
Date Collected: 11/11/14 10:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		11/13/14 05:22	11/18/14 17:21	1
Fluorene	ND		4.9	0.35	ug/L		11/13/14 05:22	11/18/14 17:21	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		11/13/14 05:22	11/18/14 17:21	1
Hexachlorobutadiene	ND		4.9	0.66	ug/L		11/13/14 05:22	11/18/14 17:21	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		11/13/14 05:22	11/18/14 17:21	1
Hexachloroethane	ND		4.9	0.58	ug/L		11/13/14 05:22	11/18/14 17:21	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		11/13/14 05:22	11/18/14 17:21	1
Isophorone	ND		4.9	0.42	ug/L		11/13/14 05:22	11/18/14 17:21	1
Naphthalene	ND		4.9	0.74	ug/L		11/13/14 05:22	11/18/14 17:21	1
Nitrobenzene	ND		4.9	0.28	ug/L		11/13/14 05:22	11/18/14 17:21	1
N-Nitrosodi-n-propylamine	**5.0**		4.9	0.53	ug/L		11/13/14 05:22	11/18/14 17:21	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		11/13/14 05:22	11/18/14 17:21	1
Pentachlorophenol	ND		9.8	2.1	ug/L		11/13/14 05:22	11/18/14 17:21	1
Phenanthrene	ND		4.9	0.43	ug/L		11/13/14 05:22	11/18/14 17:21	1
Phenol	ND		4.9	0.38	ug/L		11/13/14 05:22	11/18/14 17:21	1
Pyrene	ND		4.9	0.33	ug/L		11/13/14 05:22	11/18/14 17:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*82*	*T J*	*ug/L*		*3.55*		*11/13/14 05:22*	*11/18/14 17:21*	*1*
Pyridine	*0.81*	*J B*	*ug/L*		*4.04*	*110-86-1*	*11/13/14 05:22*	*11/18/14 17:21*	*1*
1-Hexanol, 2-ethyl-	*6.1*	*T J N*	*ug/L*		*6.11*	*104-76-7*	*11/13/14 05:22*	*11/18/14 17:21*	*1*
Cyclopentasiloxane, decamethyl-	*3.4*	*T J N*	*ug/L*		*6.67*	*541-02-6*	*11/13/14 05:22*	*11/18/14 17:21*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*9.42*		*11/13/14 05:22*	*11/18/14 17:21*	*1*
Ethyl Parathion	*4.6*	*J*	*ug/L*		*10.27*	*56-38-2*	*11/13/14 05:22*	*11/18/14 17:21*	*1*
n-Hexadecanoic acid	*8.5*	*T J N*	*ug/L*		*10.27*	*57-10-3*	*11/13/14 05:22*	*11/18/14 17:21*	*1*
Octadecanoic acid	*9.4*	*T J N*	*ug/L*		*10.92*	*57-11-4*	*11/13/14 05:22*	*11/18/14 17:21*	*1*
p-Dimethylamino azobenzene	*1.2*	*J*	*ug/L*		*11.13*	*60-11-7*	*11/13/14 05:22*	*11/18/14 17:21*	*1*
Unknown	*6.4*	*T J*	*ug/L*		*11.35*		*11/13/14 05:22*	*11/18/14 17:21*	*1*
Unknown	*16*	*T J*	*ug/L*		*12.30*		*11/13/14 05:22*	*11/18/14 17:21*	*1*
Unknown	*23*	*T J*	*ug/L*		*13.43*		*11/13/14 05:22*	*11/18/14 17:21*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*14.68*		*11/13/14 05:22*	*11/18/14 17:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*11/13/14 05:22*	*11/18/14 17:21*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*11/13/14 05:22*	*11/18/14 17:21*	*1*
2-Fluorophenol (Surr)	*81*		*20 - 120*	*11/13/14 05:22*	*11/18/14 17:21*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 120*	*11/13/14 05:22*	*11/18/14 17:21*	*1*
Phenol-d5 (Surr)	*48*		*16 - 120*	*11/13/14 05:22*	*11/18/14 17:21*	*1*
p-Terphenyl-d14 (Surr)	*74*		*67 - 150*	*11/13/14 05:22*	*11/18/14 17:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/13/14 08:23	11/13/14 14:54	1
Antimony	ND		0.020	0.0068	mg/L		11/13/14 08:23	11/13/14 14:54	1
Arsenic	ND		0.015	0.0056	mg/L		11/13/14 08:23	11/13/14 14:54	1
Barium	**0.041**		0.0020	0.00070	mg/L		11/13/14 08:23	11/13/14 14:54	1
Beryllium	ND		0.0020	0.00030	mg/L		11/13/14 08:23	11/13/14 14:54	1
Cadmium	ND		0.0020	0.00050	mg/L		11/13/14 08:23	11/13/14 14:54	1
Calcium	**86.1**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 14:54	1
Chromium	ND		0.0040	0.0010	mg/L		11/13/14 08:23	11/13/14 14:54	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-CB03-1114-F
Date Collected: 11/11/14 10:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0040	0.00063	mg/L		11/13/14 08:23	11/13/14 14:54	1
Copper	**0.0019**	**J**	0.010	0.0016	mg/L		11/13/14 08:23	11/13/14 14:54	1
Iron	**0.25**		0.050	0.019	mg/L		11/13/14 08:23	11/13/14 14:54	1
Lead	**0.0070**	**J**	0.010	0.0030	mg/L		11/13/14 08:23	11/13/14 14:54	1
Magnesium	**26.0**		0.20	0.043	mg/L		11/13/14 08:23	11/13/14 14:54	1
Manganese	**0.095**		0.0030	0.00040	mg/L		11/13/14 08:23	11/13/14 14:54	1
Nickel	**0.0058**	**J**	0.010	0.0013	mg/L		11/13/14 08:23	11/13/14 14:54	1
Potassium	**381**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 14:54	1
Selenium	ND		0.025	0.0087	mg/L		11/13/14 08:23	11/13/14 14:54	1
Silver	ND		0.0060	0.0017	mg/L		11/13/14 08:23	11/13/14 14:54	1
Sodium	**166**		1.0	0.32	mg/L		11/13/14 08:23	11/13/14 14:54	1
Thallium	ND		0.020	0.010	mg/L		11/13/14 08:23	11/13/14 14:54	1
Vanadium	**0.0025**	**J**	0.0050	0.0015	mg/L		11/13/14 08:23	11/13/14 14:54	1
Zinc	**0.0065**	**J B**	0.010	0.0015	mg/L		11/13/14 08:23	11/13/14 14:54	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/12/14 09:00	11/12/14 12:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.018**		0.010	0.0050	mg/L		11/20/14 09:39	11/20/14 14:16	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/19/14 12:47	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-CB03-1114-U
Date Collected: 11/11/14 10:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.5	0.53	ug/L		11/13/14 05:22	11/18/14 17:46	1
2,4,6-Trichlorophenol	ND		5.5	0.67	ug/L		11/13/14 05:22	11/18/14 17:46	1
2,4-Dichlorophenol	ND		5.5	0.56	ug/L		11/13/14 05:22	11/18/14 17:46	1
2,4-Dimethylphenol	ND		5.5	0.55	ug/L		11/13/14 05:22	11/18/14 17:46	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		11/13/14 05:22	11/18/14 17:46	1
2,4-Dinitrotoluene	ND		5.5	0.49	ug/L		11/13/14 05:22	11/18/14 17:46	1
2,6-Dinitrotoluene	ND		5.5	0.44	ug/L		11/13/14 05:22	11/18/14 17:46	1
2-Chloronaphthalene	ND		5.5	0.51	ug/L		11/13/14 05:22	11/18/14 17:46	1
2-Chlorophenol	ND		5.5	0.58	ug/L		11/13/14 05:22	11/18/14 17:46	1
2-Methylnaphthalene	ND		5.5	0.66	ug/L		11/13/14 05:22	11/18/14 17:46	1
2-Methylphenol	ND		5.5	0.44	ug/L		11/13/14 05:22	11/18/14 17:46	1
2-Nitroaniline	ND		11	0.46	ug/L		11/13/14 05:22	11/18/14 17:46	1
2-Nitrophenol	ND		5.5	0.53	ug/L		11/13/14 05:22	11/18/14 17:46	1
3,3'-Dichlorobenzidine	ND		5.5	0.44	ug/L		11/13/14 05:22	11/18/14 17:46	1
3-Nitroaniline	ND		11	0.53	ug/L		11/13/14 05:22	11/18/14 17:46	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		11/13/14 05:22	11/18/14 17:46	1
4-Bromophenyl phenyl ether	ND		5.5	0.49	ug/L		11/13/14 05:22	11/18/14 17:46	1
4-Chloro-3-methylphenol	ND		5.5	0.49	ug/L		11/13/14 05:22	11/18/14 17:46	1
4-Chloroaniline	ND		5.5	0.65	ug/L		11/13/14 05:22	11/18/14 17:46	1
4-Chlorophenyl phenyl ether	ND		5.5	0.38	ug/L		11/13/14 05:22	11/18/14 17:46	1
4-Methylphenol	ND		11	0.40	ug/L		11/13/14 05:22	11/18/14 17:46	1
4-Nitroaniline	ND		11	0.27	ug/L		11/13/14 05:22	11/18/14 17:46	1
4-Nitrophenol	ND		11	1.7	ug/L		11/13/14 05:22	11/18/14 17:46	1
Acenaphthene	ND		5.5	0.45	ug/L		11/13/14 05:22	11/18/14 17:46	1
Acenaphthylene	ND		5.5	0.42	ug/L		11/13/14 05:22	11/18/14 17:46	1
Acetophenone	ND		5.5	0.59	ug/L		11/13/14 05:22	11/18/14 17:46	1
Anthracene	ND		5.5	0.31	ug/L		11/13/14 05:22	11/18/14 17:46	1
Atrazine	ND		5.5	0.51	ug/L		11/13/14 05:22	11/18/14 17:46	1
Benzaldehyde	**0.91**	**J B**	5.5	0.29	ug/L		11/13/14 05:22	11/18/14 17:46	1
Benzo[a]anthracene	ND		5.5	0.40	ug/L		11/13/14 05:22	11/18/14 17:46	1
Benzo[a]pyrene	ND		5.5	0.52	ug/L		11/13/14 05:22	11/18/14 17:46	1
Benzo[b]fluoranthene	ND		5.5	0.37	ug/L		11/13/14 05:22	11/18/14 17:46	1
Benzo[g,h,i]perylene	ND		5.5	0.38	ug/L		11/13/14 05:22	11/18/14 17:46	1
Benzo[k]fluoranthene	ND		5.5	0.80	ug/L		11/13/14 05:22	11/18/14 17:46	1
Biphenyl	ND		5.5	0.72	ug/L		11/13/14 05:22	11/18/14 17:46	1
bis (2-chloroisopropyl) ether	ND		5.5	0.57	ug/L		11/13/14 05:22	11/18/14 17:46	1
Bis(2-chloroethoxy)methane	ND		5.5	0.38	ug/L		11/13/14 05:22	11/18/14 17:46	1
Bis(2-chloroethyl)ether	ND		5.5	0.44	ug/L		11/13/14 05:22	11/18/14 17:46	1
Bis(2-ethylhexyl) phthalate	**4.2**	**J B**	5.5	2.0	ug/L		11/13/14 05:22	11/18/14 17:46	1
Butyl benzyl phthalate	ND		5.5	0.46	ug/L		11/13/14 05:22	11/18/14 17:46	1
Caprolactam	ND		5.5	2.4	ug/L		11/13/14 05:22	11/18/14 17:46	1
Carbazole	ND		5.5	0.33	ug/L		11/13/14 05:22	11/18/14 17:46	1
Chrysene	ND		5.5	0.36	ug/L		11/13/14 05:22	11/18/14 17:46	1
Dibenz(a,h)anthracene	ND		5.5	0.46	ug/L		11/13/14 05:22	11/18/14 17:46	1
Dibenzofuran	ND		11	0.56	ug/L		11/13/14 05:22	11/18/14 17:46	1
Diethyl phthalate	ND		5.5	0.24	ug/L		11/13/14 05:22	11/18/14 17:46	1
Dimethyl phthalate	ND		5.5	0.40	ug/L		11/13/14 05:22	11/18/14 17:46	1
Di-n-butyl phthalate	ND		5.5	0.34	ug/L		11/13/14 05:22	11/18/14 17:46	1
Di-n-octyl phthalate	ND		5.5	0.52	ug/L		11/13/14 05:22	11/18/14 17:46	1

Client Sample ID: SW-CB03-1114-U
Date Collected: 11/11/14 10:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.5	0.44	ug/L		11/13/14 05:22	11/18/14 17:46	1
Fluorene	ND		5.5	0.40	ug/L		11/13/14 05:22	11/18/14 17:46	1
Hexachlorobenzene	ND		5.5	0.56	ug/L		11/13/14 05:22	11/18/14 17:46	1
Hexachlorobutadiene	ND		5.5	0.75	ug/L		11/13/14 05:22	11/18/14 17:46	1
Hexachlorocyclopentadiene	ND		5.5	0.65	ug/L		11/13/14 05:22	11/18/14 17:46	1
Hexachloroethane	ND		5.5	0.65	ug/L		11/13/14 05:22	11/18/14 17:46	1
Indeno[1,2,3-cd]pyrene	ND		5.5	0.52	ug/L		11/13/14 05:22	11/18/14 17:46	1
Isophorone	ND		5.5	0.47	ug/L		11/13/14 05:22	11/18/14 17:46	1
Naphthalene	ND		5.5	0.84	ug/L		11/13/14 05:22	11/18/14 17:46	1
Nitrobenzene	**0.43**	**J**	5.5	0.32	ug/L		11/13/14 05:22	11/18/14 17:46	1
N-Nitrosodi-n-propylamine	**5.3**	**J**	5.5	0.59	ug/L		11/13/14 05:22	11/18/14 17:46	1
N-Nitrosodiphenylamine	ND		5.5	0.56	ug/L		11/13/14 05:22	11/18/14 17:46	1
Pentachlorophenol	ND		11	2.4	ug/L		11/13/14 05:22	11/18/14 17:46	1
Phenanthrene	ND		5.5	0.48	ug/L		11/13/14 05:22	11/18/14 17:46	1
Phenol	ND		5.5	0.43	ug/L		11/13/14 05:22	11/18/14 17:46	1
Pyrene	ND		5.5	0.37	ug/L		11/13/14 05:22	11/18/14 17:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.8*	*T J*	*ug/L*		*3.51*		*11/13/14 05:22*	*11/18/14 17:46*	*1*
Unknown	*83*	*T J*	*ug/L*		*3.55*		*11/13/14 05:22*	*11/18/14 17:46*	*1*
Pyridine	*0.91*	*J B*	*ug/L*		*4.03*	*110-86-1*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
1-Hexanol, 2-ethyl-	*5.9*	*T J N*	*ug/L*		*6.11*	*104-76-7*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
Cyclopentasiloxane, decamethyl-	*3.9*	*T J N*	*ug/L*		*6.67*	*541-02-6*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*9.41*		*11/13/14 05:22*	*11/18/14 17:46*	*1*
Ethyl Parathion	*15*		*ug/L*		*10.28*	*56-38-2*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
n-Hexadecanoic acid	*35*	*T J N*	*ug/L*		*10.28*	*57-10-3*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
Unknown	*10*	*T J*	*ug/L*		*10.86*		*11/13/14 05:22*	*11/18/14 17:46*	*1*
Octadecanoic acid	*22*	*T J N*	*ug/L*		*10.93*	*57-11-4*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
Kepone	*2.6*	*J*	*ug/L*		*12.71*	*143-50-0*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
Erucylamide	*25*	*T J N*	*ug/L*		*13.23*	*112-84-5*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
Squalene	*5.0*	*T J N*	*ug/L*		*13.32*	*7683-64-9*	*11/13/14 05:22*	*11/18/14 17:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*52 - 132*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
2-Fluorophenol (Surr)	*87*		*20 - 120*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 120*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
Phenol-d5 (Surr)	*50*		*16 - 120*	*11/13/14 05:22*	*11/18/14 17:46*	*1*
p-Terphenyl-d14 (Surr)	*74*		*67 - 150*	*11/13/14 05:22*	*11/18/14 17:46*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/13/14 08:23	11/13/14 15:05	1
Antimony	ND		0.020	0.0068	mg/L		11/13/14 08:23	11/13/14 15:05	1
Arsenic	**0.0062**	**J**	0.015	0.0056	mg/L		11/13/14 08:23	11/13/14 15:05	1
Barium	**0.043**		0.0020	0.00070	mg/L		11/13/14 08:23	11/13/14 15:05	1
Beryllium	ND		0.0020	0.00030	mg/L		11/13/14 08:23	11/13/14 15:05	1
Cadmium	ND		0.0020	0.00050	mg/L		11/13/14 08:23	11/13/14 15:05	1
Calcium	**85.5**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 15:05	1
Chromium	**0.0011**	**J**	0.0040	0.0010	mg/L		11/13/14 08:23	11/13/14 15:05	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-CB03-1114-U
Date Collected: 11/11/14 10:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0040	0.00063	mg/L		11/13/14 08:23	11/13/14 15:05	1
Copper	**0.0043**	**J**	0.010	0.0016	mg/L		11/13/14 08:23	11/13/14 15:05	1
Iron	**0.47**		0.050	0.019	mg/L		11/13/14 08:23	11/13/14 15:05	1
Lead	**0.0075**	**J**	0.010	0.0030	mg/L		11/13/14 08:23	11/13/14 15:05	1
Magnesium	**25.5**		0.20	0.043	mg/L		11/13/14 08:23	11/13/14 15:05	1
Manganese	**0.095**		0.0030	0.00040	mg/L		11/13/14 08:23	11/13/14 15:05	1
Nickel	**0.0058**	**J**	0.010	0.0013	mg/L		11/13/14 08:23	11/13/14 15:05	1
Potassium	**375**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 15:05	1
Selenium	ND		0.025	0.0087	mg/L		11/13/14 08:23	11/13/14 15:05	1
Silver	ND		0.0060	0.0017	mg/L		11/13/14 08:23	11/13/14 15:05	1
Sodium	**164**		1.0	0.32	mg/L		11/13/14 08:23	11/13/14 15:05	1
Thallium	ND		0.020	0.010	mg/L		11/13/14 08:23	11/13/14 15:05	1
Vanadium	**0.0027**	**J**	0.0050	0.0015	mg/L		11/13/14 08:23	11/13/14 15:05	1
Zinc	**0.0054**	**J B**	0.010	0.0015	mg/L		11/13/14 08:23	11/13/14 15:05	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/12/14 09:00	11/12/14 12:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.019**		0.010	0.0050	mg/L		11/20/14 09:39	11/20/14 14:18	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/19/14 12:48	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-BD01-1114-U
Date Collected: 11/11/14 10:40
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.9	0.57	ug/L		11/13/14 05:22	11/18/14 18:12	1
2,4,6-Trichlorophenol	ND		5.9	0.72	ug/L		11/13/14 05:22	11/18/14 18:12	1
2,4-Dichlorophenol	ND		5.9	0.60	ug/L		11/13/14 05:22	11/18/14 18:12	1
2,4-Dimethylphenol	ND		5.9	0.59	ug/L		11/13/14 05:22	11/18/14 18:12	1
2,4-Dinitrophenol	ND		12	2.6	ug/L		11/13/14 05:22	11/18/14 18:12	1
2,4-Dinitrotoluene	ND		5.9	0.53	ug/L		11/13/14 05:22	11/18/14 18:12	1
2,6-Dinitrotoluene	ND		5.9	0.47	ug/L		11/13/14 05:22	11/18/14 18:12	1
2-Chloronaphthalene	ND		5.9	0.54	ug/L		11/13/14 05:22	11/18/14 18:12	1
2-Chlorophenol	ND		5.9	0.63	ug/L		11/13/14 05:22	11/18/14 18:12	1
2-Methylnaphthalene	ND		5.9	0.71	ug/L		11/13/14 05:22	11/18/14 18:12	1
2-Methylphenol	ND		5.9	0.47	ug/L		11/13/14 05:22	11/18/14 18:12	1
2-Nitroaniline	ND		12	0.50	ug/L		11/13/14 05:22	11/18/14 18:12	1
2-Nitrophenol	ND		5.9	0.57	ug/L		11/13/14 05:22	11/18/14 18:12	1
3,3'-Dichlorobenzidine	ND		5.9	0.47	ug/L		11/13/14 05:22	11/18/14 18:12	1
3-Nitroaniline	ND		12	0.57	ug/L		11/13/14 05:22	11/18/14 18:12	1
4,6-Dinitro-2-methylphenol	ND		12	2.6	ug/L		11/13/14 05:22	11/18/14 18:12	1
4-Bromophenyl phenyl ether	ND		5.9	0.53	ug/L		11/13/14 05:22	11/18/14 18:12	1
4-Chloro-3-methylphenol	ND		5.9	0.53	ug/L		11/13/14 05:22	11/18/14 18:12	1
4-Chloroaniline	ND		5.9	0.70	ug/L		11/13/14 05:22	11/18/14 18:12	1
4-Chlorophenyl phenyl ether	ND		5.9	0.41	ug/L		11/13/14 05:22	11/18/14 18:12	1
4-Methylphenol	ND		12	0.43	ug/L		11/13/14 05:22	11/18/14 18:12	1
4-Nitroaniline	**0.41**	**J**	12	0.30	ug/L		11/13/14 05:22	11/18/14 18:12	1
4-Nitrophenol	ND		12	1.8	ug/L		11/13/14 05:22	11/18/14 18:12	1
Acenaphthene	ND		5.9	0.49	ug/L		11/13/14 05:22	11/18/14 18:12	1
Acenaphthylene	ND		5.9	0.45	ug/L		11/13/14 05:22	11/18/14 18:12	1
Acetophenone	ND		5.9	0.64	ug/L		11/13/14 05:22	11/18/14 18:12	1
Anthracene	ND		5.9	0.33	ug/L		11/13/14 05:22	11/18/14 18:12	1
Atrazine	ND		5.9	0.54	ug/L		11/13/14 05:22	11/18/14 18:12	1
Benzaldehyde	**1.2**	**J B**	5.9	0.32	ug/L		11/13/14 05:22	11/18/14 18:12	1
Benzo[a]anthracene	ND		5.9	0.43	ug/L		11/13/14 05:22	11/18/14 18:12	1
Benzo[a]pyrene	ND		5.9	0.56	ug/L		11/13/14 05:22	11/18/14 18:12	1
Benzo[b]fluoranthene	ND		5.9	0.40	ug/L		11/13/14 05:22	11/18/14 18:12	1
Benzo[g,h,i]perylene	ND		5.9	0.41	ug/L		11/13/14 05:22	11/18/14 18:12	1
Benzo[k]fluoranthene	ND		5.9	0.86	ug/L		11/13/14 05:22	11/18/14 18:12	1
Biphenyl	ND		5.9	0.77	ug/L		11/13/14 05:22	11/18/14 18:12	1
bis (2-chloroisopropyl) ether	ND		5.9	0.62	ug/L		11/13/14 05:22	11/18/14 18:12	1
Bis(2-chloroethoxy)methane	ND		5.9	0.41	ug/L		11/13/14 05:22	11/18/14 18:12	1
Bis(2-chloroethyl)ether	ND		5.9	0.47	ug/L		11/13/14 05:22	11/18/14 18:12	1
Bis(2-ethylhexyl) phthalate	**4.7**	**J B**	5.9	2.1	ug/L		11/13/14 05:22	11/18/14 18:12	1
Butyl benzyl phthalate	ND		5.9	0.50	ug/L		11/13/14 05:22	11/18/14 18:12	1
Caprolactam	ND		5.9	2.6	ug/L		11/13/14 05:22	11/18/14 18:12	1
Carbazole	ND		5.9	0.35	ug/L		11/13/14 05:22	11/18/14 18:12	1
Chrysene	ND		5.9	0.39	ug/L		11/13/14 05:22	11/18/14 18:12	1
Dibenz(a,h)anthracene	ND		5.9	0.50	ug/L		11/13/14 05:22	11/18/14 18:12	1
Dibenzofuran	ND		12	0.60	ug/L		11/13/14 05:22	11/18/14 18:12	1
Diethyl phthalate	ND		5.9	0.26	ug/L		11/13/14 05:22	11/18/14 18:12	1
Dimethyl phthalate	ND		5.9	0.43	ug/L		11/13/14 05:22	11/18/14 18:12	1
Di-n-butyl phthalate	ND		5.9	0.37	ug/L		11/13/14 05:22	11/18/14 18:12	1
Di-n-octyl phthalate	ND		5.9	0.56	ug/L		11/13/14 05:22	11/18/14 18:12	1

Client Sample ID: SW-BD01-1114-U
Date Collected: 11/11/14 10:40
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.9	0.47	ug/L		11/13/14 05:22	11/18/14 18:12	1
Fluorene	ND		5.9	0.43	ug/L		11/13/14 05:22	11/18/14 18:12	1
Hexachlorobenzene	ND		5.9	0.60	ug/L		11/13/14 05:22	11/18/14 18:12	1
Hexachlorobutadiene	ND		5.9	0.80	ug/L		11/13/14 05:22	11/18/14 18:12	1
Hexachlorocyclopentadiene	ND		5.9	0.70	ug/L		11/13/14 05:22	11/18/14 18:12	1
Hexachloroethane	ND		5.9	0.70	ug/L		11/13/14 05:22	11/18/14 18:12	1
Indeno[1,2,3-cd]pyrene	ND		5.9	0.56	ug/L		11/13/14 05:22	11/18/14 18:12	1
Isophorone	ND		5.9	0.51	ug/L		11/13/14 05:22	11/18/14 18:12	1
Naphthalene	ND		5.9	0.90	ug/L		11/13/14 05:22	11/18/14 18:12	1
Nitrobenzene	ND		5.9	0.34	ug/L		11/13/14 05:22	11/18/14 18:12	1
N-Nitrosodi-n-propylamine	**4.9**	**J**	5.9	0.64	ug/L		11/13/14 05:22	11/18/14 18:12	1
N-Nitrosodiphenylamine	ND		5.9	0.60	ug/L		11/13/14 05:22	11/18/14 18:12	1
Pentachlorophenol	ND		12	2.6	ug/L		11/13/14 05:22	11/18/14 18:12	1
Phenanthrene	ND		5.9	0.52	ug/L		11/13/14 05:22	11/18/14 18:12	1
Phenol	ND		5.9	0.46	ug/L		11/13/14 05:22	11/18/14 18:12	1
Pyrene	ND		5.9	0.40	ug/L		11/13/14 05:22	11/18/14 18:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*77*	*T J*	*ug/L*		*3.55*		*11/13/14 05:22*	*11/18/14 18:12*	*1*
1-Hexanol, 2-ethyl-	*5.5*	*T J N*	*ug/L*		*6.11*	*104-76-7*	*11/13/14 05:22*	*11/18/14 18:12*	*1*
Cyclopentasiloxane, decamethyl-	*3.5*	*T J N*	*ug/L*		*6.67*	*541-02-6*	*11/13/14 05:22*	*11/18/14 18:12*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*9.41*		*11/13/14 05:22*	*11/18/14 18:12*	*1*
Unknown	*4.9*	*T J*	*ug/L*		*9.94*		*11/13/14 05:22*	*11/18/14 18:12*	*1*
n-Hexadecanoic acid	*7.0*	*T J N*	*ug/L*		*10.27*	*57-10-3*	*11/13/14 05:22*	*11/18/14 18:12*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*10.49*		*11/13/14 05:22*	*11/18/14 18:12*	*1*
Unknown	*45*	*T J*	*ug/L*		*10.86*		*11/13/14 05:22*	*11/18/14 18:12*	*1*
Octadecanoic acid	*8.5*	*T J N*	*ug/L*		*10.92*	*57-11-4*	*11/13/14 05:22*	*11/18/14 18:12*	*1*
Unknown	*13*	*T J*	*ug/L*		*11.35*		*11/13/14 05:22*	*11/18/14 18:12*	*1*
Unknown	*64*	*T J*	*ug/L*		*11.74*		*11/13/14 05:22*	*11/18/14 18:12*	*1*
Unknown	*24*	*T J*	*ug/L*		*12.30*		*11/13/14 05:22*	*11/18/14 18:12*	*1*
Kepone	*6.2*	*J*	*ug/L*		*12.74*	*143-50-0*	*11/13/14 05:22*	*11/18/14 18:12*	*1*
Unknown	*9.3*	*T J*	*ug/L*		*13.12*		*11/13/14 05:22*	*11/18/14 18:12*	*1*
Unknown	*33*	*T J*	*ug/L*		*13.43*		*11/13/14 05:22*	*11/18/14 18:12*	*1*
Unknown	*24*	*T J*	*ug/L*		*14.71*		*11/13/14 05:22*	*11/18/14 18:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*52 - 132*	*11/13/14 05:22*	*11/18/14 18:12*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*11/13/14 05:22*	*11/18/14 18:12*	*1*
2-Fluorophenol (Surr)	*81*		*20 - 120*	*11/13/14 05:22*	*11/18/14 18:12*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*	*11/13/14 05:22*	*11/18/14 18:12*	*1*
Phenol-d5 (Surr)	*47*		*16 - 120*	*11/13/14 05:22*	*11/18/14 18:12*	*1*
p-Terphenyl-d14 (Surr)	*70*		*67 - 150*	*11/13/14 05:22*	*11/18/14 18:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/13/14 08:23	11/13/14 15:08	1
Antimony	ND		0.020	0.0068	mg/L		11/13/14 08:23	11/13/14 15:08	1
Arsenic	**0.0078**	**J**	0.015	0.0056	mg/L		11/13/14 08:23	11/13/14 15:08	1
Barium	**0.041**		0.0020	0.00070	mg/L		11/13/14 08:23	11/13/14 15:08	1
Beryllium	ND		0.0020	0.00030	mg/L		11/13/14 08:23	11/13/14 15:08	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-BD01-1114-U
Date Collected: 11/11/14 10:40
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		11/13/14 08:23	11/13/14 15:08	1
Calcium	**85.1**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 15:08	1
Chromium	**0.0016**	**J**	0.0040	0.0010	mg/L		11/13/14 08:23	11/13/14 15:08	1
Cobalt	**0.00067**	**J**	0.0040	0.00063	mg/L		11/13/14 08:23	11/13/14 15:08	1
Copper	**0.0044**	**J**	0.010	0.0016	mg/L		11/13/14 08:23	11/13/14 15:08	1
Iron	**0.49**		0.050	0.019	mg/L		11/13/14 08:23	11/13/14 15:08	1
Lead	**0.0069**	**J**	0.010	0.0030	mg/L		11/13/14 08:23	11/13/14 15:08	1
Magnesium	**25.5**		0.20	0.043	mg/L		11/13/14 08:23	11/13/14 15:08	1
Manganese	**0.095**		0.0030	0.00040	mg/L		11/13/14 08:23	11/13/14 15:08	1
Nickel	**0.0062**	**J**	0.010	0.0013	mg/L		11/13/14 08:23	11/13/14 15:08	1
Potassium	**373**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 15:08	1
Selenium	ND		0.025	0.0087	mg/L		11/13/14 08:23	11/13/14 15:08	1
Silver	ND		0.0060	0.0017	mg/L		11/13/14 08:23	11/13/14 15:08	1
Sodium	**162**		1.0	0.32	mg/L		11/13/14 08:23	11/13/14 15:08	1
Thallium	ND		0.020	0.010	mg/L		11/13/14 08:23	11/13/14 15:08	1
Vanadium	**0.0029**	**J**	0.0050	0.0015	mg/L		11/13/14 08:23	11/13/14 15:08	1
Zinc	**0.0062**	**J B**	0.010	0.0015	mg/L		11/13/14 08:23	11/13/14 15:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/12/14 09:00	11/12/14 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.019**		0.010	0.0050	mg/L		11/20/14 09:39	11/20/14 14:19	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/19/14 12:50	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-09-1114-16-20
Date Collected: 11/11/14 11:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-6
Matrix: Solid
Percent Solids: 67.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		250	67	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
2,4,6-Trichlorophenol	ND		250	50	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
2,4-Dichlorophenol	ND		250	26	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
2,4-Dimethylphenol	ND		250	60	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
2,4-Dinitrophenol	ND		480	150	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
2,4-Dinitrotoluene	ND		250	51	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
2,6-Dinitrotoluene	ND		250	29	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
2-Chloronaphthalene	ND		250	41	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
2-Chlorophenol	ND		250	45	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
2-Methylnaphthalene	ND		250	50	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
2-Methylphenol	ND		250	29	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
2-Nitroaniline	ND		480	36	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
2-Nitrophenol	ND		250	70	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
3,3'-Dichlorobenzidine	ND		480	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
3-Nitroaniline	ND		480	69	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
4,6-Dinitro-2-methylphenol	ND		480	250	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
4-Bromophenyl phenyl ether	ND		250	35	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
4-Chloro-3-methylphenol	ND		250	61	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
4-Chloroaniline	ND		250	61	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
4-Chlorophenyl phenyl ether	ND		250	31	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
4-Methylphenol	ND		480	29	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
4-Nitroaniline	ND		480	130	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
4-Nitrophenol	ND		480	170	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Acenaphthene	ND		250	36	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Acenaphthylene	ND		250	32	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Acetophenone	ND		250	34	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Anthracene	ND		250	61	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Atrazine	ND		250	86	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Benzaldehyde	ND		250	200	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Benzo(a)anthracene	ND		250	25	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Benzo(a)pyrene	ND		250	36	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Benzo(b)fluoranthene	ND		250	39	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Benzo(g,h,i)perylene	ND		250	26	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Benzo(k)fluoranthene	ND		250	32	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Biphenyl	ND		250	36	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
bis (2-chloroisopropyl) ether	ND		250	50	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Bis(2-chloroethoxy)methane	ND		250	53	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Bis(2-chloroethyl)ether	ND		250	32	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Bis(2-ethylhexyl) phthalate	ND		250	85	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Butyl benzyl phthalate	ND		250	41	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Caprolactam	ND		250	74	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Carbazole	ND		250	29	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Chrysene	ND		250	55	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Dibenz(a,h)anthracene	ND		250	44	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Dibenzofuran	ND		250	29	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Diethyl phthalate	ND		250	32	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Dimethyl phthalate	ND		250	29	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Di-n-butyl phthalate	ND		250	42	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Di-n-octyl phthalate	ND		250	29	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1

Client Sample ID: SO-09-1114-16-20
Date Collected: 11/11/14 11:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-6
Matrix: Solid
Percent Solids: 67.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		250	26	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Fluorene	ND		250	29	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Hexachlorobenzene	ND		250	34	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Hexachlorobutadiene	ND		250	36	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Hexachlorocyclopentadiene	ND		250	34	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Hexachloroethane	ND		250	32	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Indeno(1,2,3-cd)pyrene	ND		250	31	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Isophorone	ND		250	53	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Naphthalene	ND		250	32	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Nitrobenzene	ND		250	28	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
N-Nitrosodi-n-propylamine	ND		250	42	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
N-Nitrosodiphenylamine	ND		250	200	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Pentachlorophenol	ND		480	250	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Phenanthrene	ND		250	36	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Phenol	ND		250	38	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1
Pyrene	ND		250	29	ug/Kg	☼	11/14/14 16:12	11/21/14 14:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3500*	*T J*	*ug/Kg*	☼	*2.28*		*11/14/14 16:12*	*11/21/14 14:06*	*1*
Unknown	*4000*	*T J*	*ug/Kg*	☼	*2.45*		*11/14/14 16:12*	*11/21/14 14:06*	*1*
Unknown	*810*	*T J*	*ug/Kg*	☼	*4.18*		*11/14/14 16:12*	*11/21/14 14:06*	*1*
Hexadecane	*36*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/14/14 16:12*	*11/21/14 14:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*39 - 146*	*11/14/14 16:12*	*11/21/14 14:06*	*1*
2-Fluorobiphenyl	*86*		*37 - 120*	*11/14/14 16:12*	*11/21/14 14:06*	*1*
2-Fluorophenol	*81*		*18 - 120*	*11/14/14 16:12*	*11/21/14 14:06*	*1*
Nitrobenzene-d5	*73*		*34 - 132*	*11/14/14 16:12*	*11/21/14 14:06*	*1*
Phenol-d5	*85*		*11 - 120*	*11/14/14 16:12*	*11/21/14 14:06*	*1*
p-Terphenyl-d14	*99*		*65 - 153*	*11/14/14 16:12*	*11/21/14 14:06*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9060**		16.3	7.2	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Antimony	ND		24.4	0.65	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Arsenic	**5.6**		3.3	0.65	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Barium	**49.0**		0.81	0.18	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Beryllium	**0.70**		0.33	0.046	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Cadmium	**0.30**	**J**	0.33	0.049	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Calcium	**4810**	**B**	81.3	5.4	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Chromium	**13.2**		0.81	0.33	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Cobalt	**7.5**		0.81	0.081	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Copper	**31.4**		1.6	0.34	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Iron	**13300**	**B**	16.3	1.8	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Lead	**16.6**		1.6	0.39	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Magnesium	**2410**	**^**	32.5	1.5	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Manganese	**105**	**^**	0.33	0.052	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Nickel	**25.9**		8.1	0.37	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Potassium	**5540**		48.8	32.5	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Selenium	ND		6.5	0.65	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-09-1114-16-20
Date Collected: 11/11/14 11:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-6
Matrix: Solid
Percent Solids: 67.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.98	0.33	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Sodium	**222**	**J**	228	21.1	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Thallium	ND		9.8	0.49	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Vanadium	**24.4**		0.81	0.18	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1
Zinc	**63.7**	**B**	3.3	0.25	mg/Kg	☼	11/12/14 08:46	11/15/14 14:16	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.024**	**J**	0.030	0.012	mg/Kg	☼	11/13/14 10:30	11/13/14 14:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**1.0**	**J**	1.4	0.69	mg/Kg	☼	11/22/14 11:02	11/24/14 13:08	1
Cyanide, Free	ND		3.0	0.15	mg/Kg	☼	11/20/14 06:00	11/20/14 12:00	1
Cyanide, Available	**0.10**		0.059	0.053	mg/Kg	☼	11/17/14 12:21	11/19/14 17:40	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-BD-01-1114-0-4
Date Collected: 11/11/14 12:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-7
Matrix: Solid
Percent Solids: 77.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2100	580	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
2,4,6-Trichlorophenol	ND		2100	430	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
2,4-Dichlorophenol	ND		2100	230	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
2,4-Dimethylphenol	ND		2100	520	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
2,4-Dinitrophenol	ND		4200	1300	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
2,4-Dinitrotoluene	ND		2100	440	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
2,6-Dinitrotoluene	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
2-Chloronaphthalene	ND		2100	350	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
2-Chlorophenol	ND		2100	390	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
2-Methylnaphthalene	ND		2100	430	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
2-Methylphenol	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
2-Nitroaniline	ND		4200	310	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
2-Nitrophenol	ND		2100	600	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
3,3'-Dichlorobenzidine	ND		4200	2500	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
3-Nitroaniline	ND		4200	590	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
4,6-Dinitro-2-methylphenol	ND		4200	2100	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
4-Bromophenyl phenyl ether	ND		2100	300	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
4-Chloro-3-methylphenol	ND		2100	530	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
4-Chloroaniline	ND		2100	530	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
4-Methylphenol	ND		4200	250	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
4-Nitroaniline	ND		4200	1100	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
4-Nitrophenol	ND		4200	1500	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Acenaphthene	ND		2100	310	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Acenaphthylene	ND		2100	280	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Acetophenone	ND		2100	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Anthracene	ND		2100	530	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Atrazine	ND		2100	740	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Benzaldehyde	ND		2100	1700	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Benzo(a)anthracene	ND		2100	210	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Benzo(a)pyrene	ND		2100	310	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Benzo(b)fluoranthene	**1400**	**J**	2100	340	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Benzo(g,h,i)perylene	ND		2100	230	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Benzo(k)fluoranthene	ND		2100	280	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Biphenyl	ND		2100	310	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
bis (2-chloroisopropyl) ether	ND		2100	430	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Bis(2-chloroethoxy)methane	ND		2100	450	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Bis(2-chloroethyl)ether	ND		2100	280	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Bis(2-ethylhexyl) phthalate	ND		2100	730	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Butyl benzyl phthalate	ND		2100	350	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Caprolactam	ND		2100	640	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Carbazole	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Chrysene	ND		2100	480	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Dibenz(a,h)anthracene	ND		2100	380	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Dibenzofuran	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Diethyl phthalate	ND		2100	280	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Dimethyl phthalate	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Di-n-butyl phthalate	ND		2100	360	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Di-n-octyl phthalate	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-BD-01-1114-0-4
Date Collected: 11/11/14 12:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-7
Matrix: Solid
Percent Solids: 77.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		2100	230	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Fluorene	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Hexachlorobenzene	ND		2100	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Hexachlorocyclopentadiene	ND		2100	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Hexachloroethane	ND		2100	280	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Indeno(1,2,3-cd)pyrene	ND		2100	260	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Isophorone	ND		2100	450	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Naphthalene	ND		2100	280	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Nitrobenzene	ND		2100	240	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
N-Nitrosodi-n-propylamine	ND		2100	360	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Pentachlorophenol	ND		4200	2100	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Phenanthrene	ND		2100	310	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Phenol	ND		2100	330	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10
Pyrene	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 14:30	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3600*	*T J*	*ug/Kg*	☼	*2.29*		*11/14/14 16:12*	*11/21/14 14:30*	*10*
Unknown	*4900*	*T J*	*ug/Kg*	☼	*2.46*		*11/14/14 16:12*	*11/21/14 14:30*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*39 - 146*	*11/14/14 16:12*	*11/21/14 14:30*	*10*
2-Fluorobiphenyl	*89*		*37 - 120*	*11/14/14 16:12*	*11/21/14 14:30*	*10*
2-Fluorophenol	*77*		*18 - 120*	*11/14/14 16:12*	*11/21/14 14:30*	*10*
Nitrobenzene-d5	*76*		*34 - 132*	*11/14/14 16:12*	*11/21/14 14:30*	*10*
Phenol-d5	*80*		*11 - 120*	*11/14/14 16:12*	*11/21/14 14:30*	*10*
p-Terphenyl-d14	*95*		*65 - 153*	*11/14/14 16:12*	*11/21/14 14:30*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11800**		12.2	5.4	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Antimony	ND		18.3	0.49	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Arsenic	**7.6**		2.4	0.49	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Barium	**95.5**		0.61	0.13	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Beryllium	**1.0**		0.24	0.034	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Cadmium	**0.84**		0.24	0.037	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Calcium	**69500**	**B**	60.9	4.0	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Chromium	**17.9**		0.61	0.24	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Cobalt	**9.8**		0.61	0.061	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Copper	**30.6**		1.2	0.26	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Iron	**24800**	**B**	12.2	1.3	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Lead	**241**		1.2	0.29	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Magnesium	**19800**	**^**	24.3	1.1	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Manganese	**909**	**^**	0.24	0.039	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Nickel	**25.7**		6.1	0.28	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Potassium	**2010**		36.5	24.3	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Selenium	ND		4.9	0.49	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Silver	**0.33**	**J**	0.73	0.24	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Sodium	**171**		170	15.8	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-BD-01-1114-0-4
Date Collected: 11/11/14 12:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-7
Matrix: Solid
Percent Solids: 77.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		7.3	0.37	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Vanadium	**21.1**		0.61	0.13	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1
Zinc	**326**	**B**	2.4	0.19	mg/Kg	☼	11/12/14 08:46	11/15/14 14:18	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.10**		0.024	0.0099	mg/Kg	☼	11/13/14 10:30	11/13/14 14:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**71.7**		2.5	1.2	mg/Kg	☼	11/22/14 11:02	11/24/14 15:13	2
Cyanide, Free	ND		2.7	0.14	mg/Kg	☼	11/20/14 06:00	11/20/14 12:00	1
Cyanide, Available	ND		0.051	0.046	mg/Kg	☼	11/17/14 12:21	11/19/14 17:44	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-0-4
Date Collected: 11/11/14 12:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-8
Matrix: Solid
Percent Solids: 66.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2500	680	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
2,4,6-Trichlorophenol	ND		2500	500	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
2,4-Dichlorophenol	ND		2500	260	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
2,4-Dimethylphenol	ND		2500	600	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
2,4-Dinitrophenol	ND		4900	1500	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
2,4-Dinitrotoluene	ND		2500	510	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
2,6-Dinitrotoluene	ND		2500	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
2-Chloronaphthalene	ND		2500	410	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
2-Chlorophenol	ND		2500	460	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
2-Methylnaphthalene	ND		2500	500	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
2-Methylphenol	ND		2500	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
2-Nitroaniline	ND		4900	370	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
2-Nitrophenol	ND		2500	710	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
3,3'-Dichlorobenzidine	ND		4900	2900	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
3-Nitroaniline	ND		4900	690	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
4,6-Dinitro-2-methylphenol	ND		4900	2500	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
4-Bromophenyl phenyl ether	ND		2500	350	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
4-Chloro-3-methylphenol	ND		2500	620	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
4-Chloroaniline	ND		2500	620	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
4-Chlorophenyl phenyl ether	ND		2500	310	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
4-Methylphenol	ND		4900	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
4-Nitroaniline	ND		4900	1300	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
4-Nitrophenol	ND		4900	1700	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Acenaphthene	ND		2500	370	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Acenaphthylene	ND		2500	320	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Acetophenone	ND		2500	340	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Anthracene	ND		2500	620	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Atrazine	ND		2500	870	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Benzaldehyde	ND		2500	2000	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Benzo(a)anthracene	ND		2500	250	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Benzo(a)pyrene	ND		2500	370	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Benzo(b)fluoranthene	**2000**	**J**	2500	400	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Benzo(g,h,i)perylene	ND		2500	260	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Benzo(k)fluoranthene	ND		2500	320	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Biphenyl	ND		2500	370	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
bis (2-chloroisopropyl) ether	ND		2500	500	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Bis(2-chloroethoxy)methane	ND		2500	530	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Bis(2-chloroethyl)ether	ND		2500	320	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Bis(2-ethylhexyl) phthalate	ND		2500	850	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Butyl benzyl phthalate	ND		2500	410	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Caprolactam	ND		2500	750	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Carbazole	ND		2500	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Chrysene	ND		2500	560	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Dibenz(a,h)anthracene	ND		2500	440	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Dibenzofuran	ND		2500	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Diethyl phthalate	ND		2500	320	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Dimethyl phthalate	ND		2500	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Di-n-butyl phthalate	ND		2500	430	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Di-n-octyl phthalate	ND		2500	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10

Client Sample ID: SO-10-1114-0-4
Date Collected: 11/11/14 12:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-8
Matrix: Solid
Percent Solids: 66.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		2500	260	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Fluorene	ND		2500	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Hexachlorobenzene	ND		2500	340	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Hexachlorobutadiene	ND		2500	370	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Hexachlorocyclopentadiene	ND		2500	340	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Hexachloroethane	ND		2500	320	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Indeno(1,2,3-cd)pyrene	ND		2500	310	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Isophorone	ND		2500	530	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Naphthalene	ND		2500	320	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Nitrobenzene	ND		2500	280	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
N-Nitrosodi-n-propylamine	ND		2500	430	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
N-Nitrosodiphenylamine	ND		2500	2000	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Pentachlorophenol	ND		4900	2500	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Phenanthrene	ND		2500	370	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Phenol	ND		2500	380	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10
Pyrene	ND		2500	290	ug/Kg	☼	11/14/14 16:12	11/21/14 14:53	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3000*	*T J*	*ug/Kg*	☼	*2.29*		*11/14/14 16:12*	*11/21/14 14:53*	*10*
Unknown	*4200*	*T J*	*ug/Kg*	☼	*2.46*		*11/14/14 16:12*	*11/21/14 14:53*	*10*
Hexadecane	*330*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/14/14 16:12*	*11/21/14 14:53*	*10*
Unknown	*2300*	*T J*	*ug/Kg*	☼	*15.03*		*11/14/14 16:12*	*11/21/14 14:53*	*10*
Unknown	*6300*	*T J*	*ug/Kg*	☼	*15.44*		*11/14/14 16:12*	*11/21/14 14:53*	*10*
Unknown	*2000*	*T J*	*ug/Kg*	☼	*15.71*		*11/14/14 16:12*	*11/21/14 14:53*	*10*
Unknown	*3900*	*T J*	*ug/Kg*	☼	*15.75*		*11/14/14 16:12*	*11/21/14 14:53*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*39 - 146*	*11/14/14 16:12*	*11/21/14 14:53*	*10*
2-Fluorobiphenyl	*87*		*37 - 120*	*11/14/14 16:12*	*11/21/14 14:53*	*10*
2-Fluorophenol	*73*		*18 - 120*	*11/14/14 16:12*	*11/21/14 14:53*	*10*
Nitrobenzene-d5	*70*		*34 - 132*	*11/14/14 16:12*	*11/21/14 14:53*	*10*
Phenol-d5	*75*		*11 - 120*	*11/14/14 16:12*	*11/21/14 14:53*	*10*
p-Terphenyl-d14	*102*		*65 - 153*	*11/14/14 16:12*	*11/21/14 14:53*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8190**		13.7	6.0	mg/Kg	☼	11/12/14 08:46	11/15/14 14:29	1
Antimony	ND		103	2.7	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5
Arsenic	**20.8**		2.7	0.55	mg/Kg	☼	11/12/14 08:46	11/15/14 14:29	1
Barium	**81.8**		0.69	0.15	mg/Kg	☼	11/12/14 08:46	11/15/14 14:29	1
Beryllium	**2.0**		0.27	0.038	mg/Kg	☼	11/12/14 08:46	11/15/14 14:29	1
Cadmium	**21.9**		1.4	0.21	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5
Calcium	**39400**	**B**	68.6	4.5	mg/Kg	☼	11/12/14 08:46	11/15/14 14:29	1
Chromium	**55.8**		3.4	1.4	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5
Cobalt	**8.3**		3.4	0.34	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5
Copper	**139**		6.9	1.4	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5
Iron	**179000**	**B**	68.6	7.5	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5
Lead	**4450**		6.9	1.6	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5
Magnesium	**8330**	**^**	137	6.4	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5
Manganese	**3930**	**^**	1.4	0.22	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-0-4
Date Collected: 11/11/14 12:20
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-8
Matrix: Solid
Percent Solids: 66.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	43.5		34.3	1.6	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5
Potassium	562		41.2	27.4	mg/Kg	☼	11/12/14 08:46	11/15/14 14:29	1
Selenium	5.2	J	5.5	0.55	mg/Kg	☼	11/12/14 08:46	11/15/14 14:29	1
Silver	5.0		0.82	0.27	mg/Kg	☼	11/12/14 08:46	11/15/14 14:29	1
Sodium	176	J	192	17.8	mg/Kg	☼	11/12/14 08:46	11/15/14 14:29	1
Thallium	8.0	J	41.2	2.1	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5
Vanadium	13.2		3.4	0.75	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5
Zinc	6060	B	13.7	1.0	mg/Kg	☼	11/12/14 08:46	11/15/14 14:32	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.19		0.029	0.012	mg/Kg	☼	11/13/14 10:30	11/13/14 14:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	56.2		1.5	0.71	mg/Kg	☼	11/22/14 11:02	11/24/14 13:13	1
Cyanide, Free	ND		3.2	0.16	mg/Kg	☼	11/20/14 06:00	11/20/14 12:00	1
Cyanide, Available	ND		0.060	0.054	mg/Kg	☼	11/17/14 12:21	11/19/14 17:46	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-4-8
Date Collected: 11/11/14 12:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-9
Matrix: Solid
Percent Solids: 77.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2100	570	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
2,4,6-Trichlorophenol	ND		2100	420	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
2,4-Dimethylphenol	ND		2100	510	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
2,4-Dinitrophenol	ND		4100	1300	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
2,4-Dinitrotoluene	ND		2100	440	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
2,6-Dinitrotoluene	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
2-Chloronaphthalene	ND		2100	350	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
2-Chlorophenol	ND		2100	390	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
2-Methylnaphthalene	ND		2100	420	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
2-Methylphenol	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
2-Nitroaniline	ND		4100	310	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
2-Nitrophenol	ND		2100	600	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
3,3'-Dichlorobenzidine	ND		4100	2500	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
3-Nitroaniline	ND		4100	590	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
4,6-Dinitro-2-methylphenol	ND		4100	2100	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
4-Bromophenyl phenyl ether	ND		2100	300	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
4-Chloro-3-methylphenol	ND		2100	520	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
4-Chloroaniline	ND		2100	520	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
4-Methylphenol	ND		4100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
4-Nitroaniline	ND		4100	1100	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
4-Nitrophenol	ND		4100	1500	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Acenaphthene	ND		2100	310	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Acenaphthylene	ND		2100	270	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Acetophenone	ND		2100	290	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Anthracene	ND		2100	520	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Atrazine	ND		2100	740	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Benzaldehyde	ND		2100	1700	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Benzo(a)anthracene	**660**	**J**	2100	210	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Benzo(a)pyrene	ND		2100	310	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Benzo(b)fluoranthene	ND		2100	340	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Benzo(g,h,i)perylene	**270**	**J**	2100	220	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Benzo(k)fluoranthene	ND		2100	270	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Biphenyl	ND		2100	310	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
bis (2-chloroisopropyl) ether	ND		2100	420	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Bis(2-chloroethoxy)methane	ND		2100	450	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Bis(2-ethylhexyl) phthalate	ND		2100	720	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Butyl benzyl phthalate	ND		2100	350	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Caprolactam	ND		2100	640	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Carbazole	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Chrysene	**1200**	**J**	2100	470	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Dibenz(a,h)anthracene	ND		2100	370	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Dibenzofuran	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Diethyl phthalate	ND		2100	270	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Dimethyl phthalate	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Di-n-butyl phthalate	ND		2100	360	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Di-n-octyl phthalate	**1200**	**J**	2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-4-8
Date Collected: 11/11/14 12:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-9
Matrix: Solid
Percent Solids: 77.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1000**	**J**	2100	220	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Fluorene	ND		2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Hexachlorobenzene	ND		2100	290	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Hexachlorocyclopentadiene	ND		2100	290	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Hexachloroethane	ND		2100	270	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Indeno(1,2,3-cd)pyrene	**1800**	**J**	2100	260	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Isophorone	ND		2100	450	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Naphthalene	ND		2100	270	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Nitrobenzene	ND		2100	240	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
N-Nitrosodi-n-propylamine	ND		2100	360	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Pentachlorophenol	ND		4100	2100	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Phenanthrene	**440**	**J**	2100	310	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Phenol	ND		2100	320	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10
Pyrene	**1200**	**J**	2100	250	ug/Kg	☼	11/14/14 16:12	11/21/14 15:17	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1900*	*T J*	*ug/Kg*	☼	*9.56*		*11/14/14 16:12*	*11/21/14 15:17*	*10*
Unknown	*2500*	*T J*	*ug/Kg*	☼	*10.01*		*11/14/14 16:12*	*11/21/14 15:17*	*10*
Unknown	*2000*	*T J*	*ug/Kg*	☼	*10.05*		*11/14/14 16:12*	*11/21/14 15:17*	*10*
Unknown	*3600*	*T J*	*ug/Kg*	☼	*10.13*		*11/14/14 16:12*	*11/21/14 15:17*	*10*
Hexadecane	*5200*		*ug/Kg*	☼	*10.21*	*544-76-3*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
Pentadecane, 2,6,10-trimethyl-	*4900*	*T J N*	*ug/Kg*	☼	*10.46*	*3892-00-0*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
Unknown	*6500*	*T J*	*ug/Kg*	☼	*10.57*		*11/14/14 16:12*	*11/21/14 15:17*	*10*
Pentadecane, 2,6,10,14-tetramethyl-	*20000*	*T J N*	*ug/Kg*	☼	*10.74*	*1921-70-6*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
Unknown	*3200*	*T J*	*ug/Kg*	☼	*11.06*		*11/14/14 16:12*	*11/21/14 15:17*	*10*
n-Octadecane	*10000*		*ug/Kg*	☼	*11.19*	*593-45-3*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
Octacosane	*11000*	*T J N*	*ug/Kg*	☼	*11.22*	*630-02-4*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
Unknown	*6000*	*T J*	*ug/Kg*	☼	*11.56*		*11/14/14 16:12*	*11/21/14 15:17*	*10*
Eicosane	*16000*	*T J N*	*ug/Kg*	☼	*11.99*	*112-95-8*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
1,4-Dihydroxyanthraquinone	*2200*	*J*	*ug/Kg*	☼	*12.87*	*81-64-1*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
Kepone	*6600*	*J*	*ug/Kg*	☼	*13.15*	*143-50-0*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
Unknown	*5000*	*T J*	*ug/Kg*	☼	*15.05*		*11/14/14 16:12*	*11/21/14 15:17*	*10*
Unknown	*12000*	*T J*	*ug/Kg*	☼	*15.47*		*11/14/14 16:12*	*11/21/14 15:17*	*10*
Unknown	*7700*	*T J*	*ug/Kg*	☼	*15.78*		*11/14/14 16:12*	*11/21/14 15:17*	*10*
Unknown	*3200*	*T J*	*ug/Kg*	☼	*16.18*		*11/14/14 16:12*	*11/21/14 15:17*	*10*
Unknown	*2700*	*T J*	*ug/Kg*	☼	*16.23*		*11/14/14 16:12*	*11/21/14 15:17*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*39 - 146*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
2-Fluorobiphenyl	*83*		*37 - 120*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
2-Fluorophenol	*52*		*18 - 120*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
Nitrobenzene-d5	*57*		*34 - 132*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
Phenol-d5	*62*		*11 - 120*	*11/14/14 16:12*	*11/21/14 15:17*	*10*
p-Terphenyl-d14	*79*		*65 - 153*	*11/14/14 16:12*	*11/21/14 15:17*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7130**		13.8	6.1	mg/Kg	☼	11/12/14 08:46	11/15/14 14:35	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-4-8
Date Collected: 11/11/14 12:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-9
Matrix: Solid
Percent Solids: 77.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		103	2.8	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5
Arsenic	21.6		2.8	0.55	mg/Kg	☼	11/12/14 08:46	11/15/14 14:35	1
Barium	91.2		0.69	0.15	mg/Kg	☼	11/12/14 08:46	11/15/14 14:35	1
Beryllium	1.7		0.28	0.039	mg/Kg	☼	11/12/14 08:46	11/15/14 14:35	1
Cadmium	10.6		1.4	0.21	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5
Calcium	35300	B	68.9	4.5	mg/Kg	☼	11/12/14 08:46	11/15/14 14:35	1
Chromium	77.7		3.4	1.4	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5
Cobalt	13.3		3.4	0.34	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5
Copper	240		6.9	1.4	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5
Iron	239000	B	68.9	7.6	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5
Lead	3320		6.9	1.7	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5
Magnesium	9080		138	6.4	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5
Manganese	5890		1.4	0.22	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5
Nickel	81.7		34.5	1.6	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5
Potassium	818		41.3	27.6	mg/Kg	☼	11/12/14 08:46	11/15/14 14:35	1
Selenium	10.0		5.5	0.55	mg/Kg	☼	11/12/14 08:46	11/15/14 14:35	1
Silver	4.4		0.83	0.28	mg/Kg	☼	11/12/14 08:46	11/15/14 14:35	1
Sodium	136	J	193	17.9	mg/Kg	☼	11/12/14 08:46	11/15/14 14:35	1
Thallium	7.6	J	41.3	2.1	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5
Vanadium	16.9		3.4	0.76	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5
Zinc	4530	B	13.8	1.1	mg/Kg	☼	11/12/14 08:46	11/15/14 15:03	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.18		0.025	0.010	mg/Kg	☼	11/13/14 10:30	11/13/14 14:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	11.2		1.2	0.59	mg/Kg	☼	11/22/14 11:02	11/24/14 13:14	1
Cyanide, Free	ND		2.7	0.14	mg/Kg	☼	11/20/14 06:00	11/20/14 12:00	1
Cyanide, Available	ND		0.050	0.045	mg/Kg	☼	11/17/14 12:21	11/19/14 17:47	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-8-12
Date Collected: 11/11/14 12:40
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-10
Matrix: Solid
Percent Solids: 59.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2800	760	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
2,4,6-Trichlorophenol	ND		2800	560	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
2,4-Dichlorophenol	ND		2800	300	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
2,4-Dimethylphenol	ND		2800	670	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
2,4-Dinitrophenol	ND		5400	1700	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
2,4-Dinitrotoluene	ND		2800	580	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
2,6-Dinitrotoluene	ND		2800	330	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
2-Chloronaphthalene	ND		2800	460	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
2-Chlorophenol	ND		2800	510	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
2-Methylnaphthalene	ND		2800	560	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
2-Methylphenol	ND		2800	330	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
2-Nitroaniline	ND		5400	410	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
2-Nitrophenol	ND		2800	790	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
3,3'-Dichlorobenzidine	ND		5400	3300	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
3-Nitroaniline	ND		5400	770	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
4,6-Dinitro-2-methylphenol	ND		5400	2800	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
4-Bromophenyl phenyl ether	ND		2800	390	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
4-Chloro-3-methylphenol	ND		2800	690	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
4-Chloroaniline	ND		2800	690	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
4-Chlorophenyl phenyl ether	ND		2800	350	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
4-Methylphenol	ND		5400	330	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
4-Nitroaniline	ND		5400	1500	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
4-Nitrophenol	ND		5400	2000	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Acenaphthene	ND		2800	410	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Acenaphthylene	ND		2800	360	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Acetophenone	ND		2800	380	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Anthracene	ND		2800	690	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Atrazine	ND		2800	970	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Benzaldehyde	ND		2800	2200	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Benzo(a)anthracene	**630**	**J**	2800	280	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Benzo(a)pyrene	**1600**	**J**	2800	410	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Benzo(b)fluoranthene	**2300**	**J**	2800	440	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Benzo(g,h,i)perylene	**310**	**J**	2800	300	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Benzo(k)fluoranthene	**400**	**J**	2800	360	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Biphenyl	ND		2800	410	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
bis (2-chloroisopropyl) ether	ND		2800	560	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Bis(2-chloroethoxy)methane	ND		2800	590	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Bis(2-chloroethyl)ether	ND		2800	360	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Bis(2-ethylhexyl) phthalate	ND		2800	950	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Butyl benzyl phthalate	ND		2800	460	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Caprolactam	ND		2800	840	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Carbazole	ND		2800	330	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Chrysene	ND		2800	620	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Dibenz(a,h)anthracene	ND		2800	490	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Dibenzofuran	ND		2800	330	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Diethyl phthalate	ND		2800	360	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Dimethyl phthalate	ND		2800	330	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Di-n-butyl phthalate	ND		2800	480	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Di-n-octyl phthalate	ND		2800	330	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10

Client Sample ID: SO-10-1114-8-12
Date Collected: 11/11/14 12:40
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-10
Matrix: Solid
Percent Solids: 59.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**820**	**J**	2800	300	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Fluorene	ND		2800	330	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Hexachlorobenzene	ND		2800	380	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Hexachlorobutadiene	ND		2800	410	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Hexachlorocyclopentadiene	ND		2800	380	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Hexachloroethane	ND		2800	360	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Indeno(1,2,3-cd)pyrene	**2400**	**J**	2800	350	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Isophorone	ND		2800	590	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Naphthalene	ND		2800	360	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Nitrobenzene	ND		2800	310	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
N-Nitrosodi-n-propylamine	ND		2800	480	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
N-Nitrosodiphenylamine	ND		2800	2300	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Pentachlorophenol	ND		5400	2800	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Phenanthrene	**590**	**J**	2800	410	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Phenol	ND		2800	430	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10
Pyrene	**770**	**J**	2800	330	ug/Kg	☼	11/14/14 16:12	11/21/14 15:41	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4000*	*T J*	*ug/Kg*	☼	*2.46*		*11/14/14 16:12*	*11/21/14 15:41*	*10*
Hexadecane	*340*	*J*	*ug/Kg*	☼	*10.21*	*544-76-3*	*11/14/14 16:12*	*11/21/14 15:41*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*39 - 146*	*11/14/14 16:12*	*11/21/14 15:41*	*10*
2-Fluorobiphenyl	*53*		*37 - 120*	*11/14/14 16:12*	*11/21/14 15:41*	*10*
2-Fluorophenol	*30*		*18 - 120*	*11/14/14 16:12*	*11/21/14 15:41*	*10*
Nitrobenzene-d5	*35*		*34 - 132*	*11/14/14 16:12*	*11/21/14 15:41*	*10*
Phenol-d5	*38*		*11 - 120*	*11/14/14 16:12*	*11/21/14 15:41*	*10*
p-Terphenyl-d14	*0*	*X*	*65 - 153*	*11/14/14 16:12*	*11/21/14 15:41*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7240**		17.3	7.6	mg/Kg	☼	11/12/14 08:46	11/15/14 15:16	1
Antimony	ND		25.9	0.69	mg/Kg	☼	11/12/14 08:46	11/15/14 15:16	1
Arsenic	**46.5**		3.5	0.69	mg/Kg	☼	11/12/14 08:46	11/15/14 15:16	1
Barium	**107**		0.86	0.19	mg/Kg	☼	11/12/14 08:46	11/15/14 15:16	1
Beryllium	**2.0**		0.35	0.048	mg/Kg	☼	11/12/14 08:46	11/15/14 15:16	1
Cadmium	**2.1**		1.7	0.26	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Calcium	**48900**	**B**	86.4	5.7	mg/Kg	☼	11/12/14 08:46	11/15/14 15:16	1
Chromium	**39.4**		4.3	1.7	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Cobalt	**20.6**		4.3	0.43	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Copper	**70.2**		8.6	1.8	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Iron	**322000**	**B**	86.4	9.5	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Lead	**407**		8.6	2.1	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Magnesium	**15200**		173	8.0	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Manganese	**9490**		1.7	0.28	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Nickel	**44.0**		43.2	2.0	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Potassium	**1000**		51.8	34.6	mg/Kg	☼	11/12/14 08:46	11/15/14 15:16	1
Selenium	**7.1**	**J**	34.6	3.5	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Silver	ND		5.2	1.7	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Sodium	**242**		242	22.5	mg/Kg	☼	11/12/14 08:46	11/15/14 15:16	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-8-12
Date Collected: 11/11/14 12:40
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-10
Matrix: Solid
Percent Solids: 59.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		51.8	2.6	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Vanadium	23.7		4.3	0.95	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5
Zinc	1040	B	17.3	1.3	mg/Kg	☼	11/12/14 08:46	11/15/14 15:19	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.53		0.035	0.014	mg/Kg	☼	11/13/14 10:30	11/13/14 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	75.3		1.7	0.81	mg/Kg	☼	11/22/14 11:02	11/24/14 13:17	1
Cyanide, Free	3.7		3.5	0.17	mg/Kg	☼	11/20/14 06:00	11/20/14 12:00	1
Cyanide, Available	0.34		0.066	0.060	mg/Kg	☼	11/17/14 12:21	11/19/14 17:49	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-12-16
Date Collected: 11/11/14 12:50
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-11
Matrix: Solid
Percent Solids: 38.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		43000	12000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
2,4,6-Trichlorophenol	ND		43000	8500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
2,4-Dichlorophenol	ND		43000	4500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
2,4-Dimethylphenol	ND		43000	10000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
2,4-Dinitrophenol	ND		83000	26000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
2,4-Dinitrotoluene	ND		43000	8800	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
2,6-Dinitrotoluene	ND		43000	5000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
2-Chloronaphthalene	ND		43000	7000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
2-Chlorophenol	ND		43000	7800	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
2-Methylnaphthalene	ND		43000	8500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
2-Methylphenol	ND		43000	5000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
2-Nitroaniline	ND		83000	6300	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
2-Nitrophenol	ND		43000	12000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
3,3'-Dichlorobenzidine	ND		83000	50000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
3-Nitroaniline	ND		83000	12000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
4,6-Dinitro-2-methylphenol	ND		83000	43000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
4-Bromophenyl phenyl ether	ND		43000	6000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
4-Chloro-3-methylphenol	ND		43000	11000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
4-Chloroaniline	ND		43000	11000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
4-Chlorophenyl phenyl ether	ND		43000	5300	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
4-Methylphenol	ND		83000	5000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
4-Nitroaniline	ND		83000	22000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
4-Nitrophenol	ND		83000	30000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Acenaphthene	ND		43000	6300	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Acenaphthylene	ND		43000	5500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Acetophenone	ND		43000	5800	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Anthracene	ND		43000	11000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Atrazine	ND		43000	15000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Benzaldehyde	ND		43000	34000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Benzo(a)anthracene	ND		43000	4300	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Benzo(a)pyrene	ND		43000	6300	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Benzo(b)fluoranthene	ND		43000	6800	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Benzo(g,h,i)perylene	ND		43000	4500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Benzo(k)fluoranthene	ND		43000	5500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Biphenyl	ND		43000	6300	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
bis (2-chloroisopropyl) ether	ND		43000	8500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Bis(2-chloroethoxy)methane	ND		43000	9000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Bis(2-chloroethyl)ether	ND		43000	5500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Bis(2-ethylhexyl) phthalate	ND		43000	15000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Butyl benzyl phthalate	ND		43000	7000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Caprolactam	ND		43000	13000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Carbazole	ND		43000	5000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Chrysene	ND		43000	9600	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Dibenz(a,h)anthracene	ND		43000	7500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Dibenzofuran	ND		43000	5000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Diethyl phthalate	ND		43000	5500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Dimethyl phthalate	ND		43000	5000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Di-n-butyl phthalate	ND		43000	7300	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Di-n-octyl phthalate	ND		43000	5000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100

Client Sample ID: SO-10-1114-12-16
Date Collected: 11/11/14 12:50
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-11
Matrix: Solid
Percent Solids: 38.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		43000	4500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Fluorene	ND		43000	5000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Hexachlorobenzene	ND		43000	5800	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Hexachlorobutadiene	ND		43000	6300	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Hexachlorocyclopentadiene	ND		43000	5800	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Hexachloroethane	ND		43000	5500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Indeno(1,2,3-cd)pyrene	ND		43000	5300	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Isophorone	ND		43000	9000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Naphthalene	**6200**	**J**	43000	5500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Nitrobenzene	ND		43000	4800	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
N-Nitrosodi-n-propylamine	ND		43000	7300	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
N-Nitrosodiphenylamine	ND		43000	35000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Pentachlorophenol	ND		83000	43000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Phenanthrene	ND		43000	6300	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Phenol	ND		43000	6500	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100
Pyrene	ND		43000	5000	ug/Kg	☼	11/14/14 16:12	11/21/14 16:05	100

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*11/14/14 16:12*	*11/21/14 16:05*	*100*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*39 - 146*	*11/14/14 16:12*	*11/21/14 16:05*	*100*
2-Fluorobiphenyl	*74*		*37 - 120*	*11/14/14 16:12*	*11/21/14 16:05*	*100*
2-Fluorophenol	*0*	*X*	*18 - 120*	*11/14/14 16:12*	*11/21/14 16:05*	*100*
Nitrobenzene-d5	*0*	*X*	*34 - 132*	*11/14/14 16:12*	*11/21/14 16:05*	*100*
Phenol-d5	*0*	*X*	*11 - 120*	*11/14/14 16:12*	*11/21/14 16:05*	*100*
p-Terphenyl-d14	*0*	*X*	*65 - 153*	*11/14/14 16:12*	*11/21/14 16:05*	*100*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26500**		25.5	11.2	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Antimony	ND		38.3	1.0	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Arsenic	**72.6**		5.1	1.0	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Barium	**304**		1.3	0.28	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Beryllium	**3.3**		0.51	0.072	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Cadmium	**8.7**		0.51	0.077	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Calcium	**188000**	**B**	128	8.4	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Chromium	**53.6**		1.3	0.51	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Cobalt	**14.7**		1.3	0.13	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Copper	**66.0**		2.6	0.54	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Iron	**28200**	**B**	25.5	2.8	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Lead	**324**		2.6	0.61	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Magnesium	**7500**		51.1	2.4	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Manganese	**676**		0.51	0.082	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Nickel	**38.5**		12.8	0.59	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Potassium	**8820**		76.6	51.1	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Selenium	**4.5**	**J**	10.2	1.0	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Silver	**6.3**		1.5	0.51	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Sodium	**594**		358	33.2	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Thallium	**7.6**	**J**	15.3	0.77	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-12-16
Date Collected: 11/11/14 12:50
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-11
Matrix: Solid
Percent Solids: 38.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	43.1		1.3	0.28	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1
Zinc	1290	B	5.1	0.39	mg/Kg	☼	11/12/14 08:46	11/15/14 15:35	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.31		0.050	0.020	mg/Kg	☼	11/13/14 10:30	11/13/14 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	12.1		2.6	1.2	mg/Kg	☼	11/22/14 11:02	11/24/14 13:19	1
Cyanide, Free	ND		5.5	0.28	mg/Kg	☼	11/20/14 06:00	11/20/14 12:00	1
Cyanide, Available	ND		0.10	0.093	mg/Kg	☼	11/17/14 12:21	11/19/14 17:50	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-16-20
Date Collected: 11/11/14 13:00
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-12
Matrix: Solid
Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		200	53	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
2,4,6-Trichlorophenol	ND		200	39	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
2,4-Dichlorophenol	ND		200	21	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
2,4-Dimethylphenol	ND		200	47	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
2,4-Dinitrophenol	ND		380	120	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
2,4-Dinitrotoluene	ND		200	40	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
2,6-Dinitrotoluene	ND		200	23	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
2-Chloronaphthalene	ND		200	32	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
2-Chlorophenol	ND		200	36	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
2-Methylnaphthalene	ND		200	39	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
2-Methylphenol	ND		200	23	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
2-Nitroaniline	ND		380	29	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
2-Nitrophenol	ND		200	55	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
3,3'-Dichlorobenzidine	ND		380	230	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
3-Nitroaniline	ND		380	54	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
4,6-Dinitro-2-methylphenol	ND		380	200	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
4-Bromophenyl phenyl ether	ND		200	28	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
4-Chloro-3-methylphenol	ND		200	48	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
4-Chloroaniline	ND		200	48	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
4-Chlorophenyl phenyl ether	ND		200	24	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
4-Methylphenol	ND		380	23	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
4-Nitroaniline	ND		380	100	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
4-Nitrophenol	ND		380	140	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Acenaphthene	ND		200	29	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Acenaphthylene	ND		200	25	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Acetophenone	ND		200	26	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Anthracene	ND		200	48	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Atrazine	ND		200	68	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Benzaldehyde	ND		200	150	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Benzo(a)anthracene	ND		200	20	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Benzo(a)pyrene	ND		200	29	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Benzo(b)fluoranthene	ND		200	31	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Benzo(g,h,i)perylene	ND		200	21	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Benzo(k)fluoranthene	ND		200	25	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Biphenyl	ND		200	29	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
bis (2-chloroisopropyl) ether	ND		200	39	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Bis(2-chloroethoxy)methane	ND		200	41	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Bis(2-chloroethyl)ether	ND		200	25	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Bis(2-ethylhexyl) phthalate	ND		200	67	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Butyl benzyl phthalate	ND		200	32	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Caprolactam	ND		200	59	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Carbazole	ND		200	23	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Chrysene	ND		200	44	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Dibenz(a,h)anthracene	ND		200	34	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Dibenzofuran	ND		200	23	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Diethyl phthalate	ND		200	25	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Dimethyl phthalate	ND		200	23	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Di-n-butyl phthalate	ND		200	33	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Di-n-octyl phthalate	ND		200	23	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1

Client Sample ID: SO-10-1114-16-20
Date Collected: 11/11/14 13:00
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-12
Matrix: Solid
Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		200	21	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Fluorene	ND		200	23	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Hexachlorobenzene	ND		200	26	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Hexachlorocyclopentadiene	ND		200	26	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Hexachloroethane	ND		200	25	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Indeno(1,2,3-cd)pyrene	ND		200	24	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Isophorone	ND		200	41	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Naphthalene	ND		200	25	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Nitrobenzene	ND		200	22	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
N-Nitrosodi-n-propylamine	ND		200	33	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
N-Nitrosodiphenylamine	ND		200	160	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Pentachlorophenol	ND		380	200	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Phenanthrene	ND		200	29	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Phenol	ND		200	30	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1
Pyrene	ND		200	23	ug/Kg	☼	11/14/14 16:12	11/21/14 16:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*310*	*T J*	*ug/Kg*	☼	*2.28*		*11/14/14 16:12*	*11/21/14 16:29*	*1*
Unknown	*2700*	*T J*	*ug/Kg*	☼	*2.45*		*11/14/14 16:12*	*11/21/14 16:29*	*1*
Unknown	*470*	*T J*	*ug/Kg*	☼	*4.19*		*11/14/14 16:12*	*11/21/14 16:29*	*1*
Unknown	*150*	*T J*	*ug/Kg*	☼	*9.96*		*11/14/14 16:12*	*11/21/14 16:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*39 - 146*	*11/14/14 16:12*	*11/21/14 16:29*	*1*
2-Fluorobiphenyl	*83*		*37 - 120*	*11/14/14 16:12*	*11/21/14 16:29*	*1*
2-Fluorophenol	*81*		*18 - 120*	*11/14/14 16:12*	*11/21/14 16:29*	*1*
Nitrobenzene-d5	*73*		*34 - 132*	*11/14/14 16:12*	*11/21/14 16:29*	*1*
Phenol-d5	*78*		*11 - 120*	*11/14/14 16:12*	*11/21/14 16:29*	*1*
p-Terphenyl-d14	*89*		*65 - 153*	*11/14/14 16:12*	*11/21/14 16:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4980**		12.0	5.3	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Antimony	ND		18.0	0.48	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Arsenic	**1.4**	**J**	2.4	0.48	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Barium	**47.0**		0.60	0.13	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Beryllium	**0.27**		0.24	0.034	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Cadmium	**0.21**	**J**	0.24	0.036	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Calcium	**1810**	**B**	60.0	4.0	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Chromium	**6.5**		0.60	0.24	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Cobalt	**3.8**		0.60	0.060	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Copper	**6.9**		1.2	0.25	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Iron	**6340**	**B**	12.0	1.3	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Lead	**8.2**		1.2	0.29	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Magnesium	**1340**		24.0	1.1	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Manganese	**56.6**		0.24	0.038	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Nickel	**9.7**		6.0	0.28	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Potassium	**3390**		36.0	24.0	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Selenium	**0.49**	**J**	4.8	0.48	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-16-20
Date Collected: 11/11/14 13:00
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-12
Matrix: Solid
Percent Solids: 87.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.72	0.24	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Sodium	**175**		168	15.6	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Thallium	ND		7.2	0.36	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Vanadium	**15.4**		0.60	0.13	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1
Zinc	**30.3**	**B**	2.4	0.18	mg/Kg	☼	11/12/14 08:46	11/15/14 15:38	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.012**	**J**	0.023	0.0092	mg/Kg	☼	11/13/14 10:30	11/13/14 14:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**1.4**		1.1	0.54	mg/Kg	☼	11/22/14 11:02	11/24/14 13:23	1
Cyanide, Free	ND		2.4	0.12	mg/Kg	☼	11/20/14 06:00	11/20/14 12:00	1
Cyanide, Available	**0.30**		0.046	0.041	mg/Kg	☼	11/17/14 12:21	11/19/14 17:52	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-CB04-1114-U
Date Collected: 11/11/14 11:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-13
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		11/13/14 05:22	11/18/14 18:37	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		11/13/14 05:22	11/18/14 18:37	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		11/13/14 05:22	11/18/14 18:37	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		11/13/14 05:22	11/18/14 18:37	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		11/13/14 05:22	11/18/14 18:37	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		11/13/14 05:22	11/18/14 18:37	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		11/13/14 05:22	11/18/14 18:37	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		11/13/14 05:22	11/18/14 18:37	1
2-Chlorophenol	ND		5.2	0.55	ug/L		11/13/14 05:22	11/18/14 18:37	1
2-Methylnaphthalene	ND		5.2	0.62	ug/L		11/13/14 05:22	11/18/14 18:37	1
2-Methylphenol	ND		5.2	0.42	ug/L		11/13/14 05:22	11/18/14 18:37	1
2-Nitroaniline	ND		10	0.44	ug/L		11/13/14 05:22	11/18/14 18:37	1
2-Nitrophenol	ND		5.2	0.50	ug/L		11/13/14 05:22	11/18/14 18:37	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		11/13/14 05:22	11/18/14 18:37	1
3-Nitroaniline	ND		10	0.50	ug/L		11/13/14 05:22	11/18/14 18:37	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		11/13/14 05:22	11/18/14 18:37	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		11/13/14 05:22	11/18/14 18:37	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		11/13/14 05:22	11/18/14 18:37	1
4-Chloroaniline	ND		5.2	0.61	ug/L		11/13/14 05:22	11/18/14 18:37	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		11/13/14 05:22	11/18/14 18:37	1
4-Methylphenol	**0.85**	**J**	10	0.37	ug/L		11/13/14 05:22	11/18/14 18:37	1
4-Nitroaniline	ND		10	0.26	ug/L		11/13/14 05:22	11/18/14 18:37	1
4-Nitrophenol	ND		10	1.6	ug/L		11/13/14 05:22	11/18/14 18:37	1
Acenaphthene	ND		5.2	0.43	ug/L		11/13/14 05:22	11/18/14 18:37	1
Acenaphthylene	ND		5.2	0.40	ug/L		11/13/14 05:22	11/18/14 18:37	1
Acetophenone	**0.78**	**J**	5.2	0.56	ug/L		11/13/14 05:22	11/18/14 18:37	1
Anthracene	ND		5.2	0.29	ug/L		11/13/14 05:22	11/18/14 18:37	1
Atrazine	ND		5.2	0.48	ug/L		11/13/14 05:22	11/18/14 18:37	1
Benzaldehyde	**1.3**	**J B**	5.2	0.28	ug/L		11/13/14 05:22	11/18/14 18:37	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		11/13/14 05:22	11/18/14 18:37	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/13/14 05:22	11/18/14 18:37	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/13/14 05:22	11/18/14 18:37	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/13/14 05:22	11/18/14 18:37	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/13/14 05:22	11/18/14 18:37	1
Biphenyl	ND		5.2	0.68	ug/L		11/13/14 05:22	11/18/14 18:37	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		11/13/14 05:22	11/18/14 18:37	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		11/13/14 05:22	11/18/14 18:37	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		11/13/14 05:22	11/18/14 18:37	1
Bis(2-ethylhexyl) phthalate	**4.4**	**J B**	5.2	1.9	ug/L		11/13/14 05:22	11/18/14 18:37	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		11/13/14 05:22	11/18/14 18:37	1
Caprolactam	ND		5.2	2.3	ug/L		11/13/14 05:22	11/18/14 18:37	1
Carbazole	**0.54**	**J**	5.2	0.31	ug/L		11/13/14 05:22	11/18/14 18:37	1
Chrysene	ND		5.2	0.34	ug/L		11/13/14 05:22	11/18/14 18:37	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/13/14 05:22	11/18/14 18:37	1
Dibenzofuran	ND		10	0.53	ug/L		11/13/14 05:22	11/18/14 18:37	1
Diethyl phthalate	ND		5.2	0.23	ug/L		11/13/14 05:22	11/18/14 18:37	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		11/13/14 05:22	11/18/14 18:37	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		11/13/14 05:22	11/18/14 18:37	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		11/13/14 05:22	11/18/14 18:37	1

Client Sample ID: SO-CB04-1114-U
Date Collected: 11/11/14 11:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-13
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		11/13/14 05:22	11/18/14 18:37	1
Fluorene	ND		5.2	0.37	ug/L		11/13/14 05:22	11/18/14 18:37	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		11/13/14 05:22	11/18/14 18:37	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		11/13/14 05:22	11/18/14 18:37	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		11/13/14 05:22	11/18/14 18:37	1
Hexachloroethane	ND		5.2	0.61	ug/L		11/13/14 05:22	11/18/14 18:37	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		11/13/14 05:22	11/18/14 18:37	1
Isophorone	ND		5.2	0.45	ug/L		11/13/14 05:22	11/18/14 18:37	1
Naphthalene	**1.5**	**J**	5.2	0.79	ug/L		11/13/14 05:22	11/18/14 18:37	1
Nitrobenzene	ND		5.2	0.30	ug/L		11/13/14 05:22	11/18/14 18:37	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		11/13/14 05:22	11/18/14 18:37	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		11/13/14 05:22	11/18/14 18:37	1
Pentachlorophenol	**4.5**	**J**	10	2.3	ug/L		11/13/14 05:22	11/18/14 18:37	1
Phenanthrene	**0.79**	**J**	5.2	0.46	ug/L		11/13/14 05:22	11/18/14 18:37	1
Phenol	**4.6**	**J**	5.2	0.41	ug/L		11/13/14 05:22	11/18/14 18:37	1
Pyrene	ND		5.2	0.35	ug/L		11/13/14 05:22	11/18/14 18:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*71*	*T J*	*ug/L*		*3.55*		*11/13/14 05:22*	*11/18/14 18:37*	*1*
Unknown	*5.3*	*T J*	*ug/L*		*4.79*		*11/13/14 05:22*	*11/18/14 18:37*	*1*
1-Hexanol, 2-ethyl-	*6.0*	*T J N*	*ug/L*		*6.11*	*104-76-7*	*11/13/14 05:22*	*11/18/14 18:37*	*1*
Cyclopentasiloxane, decamethyl-	*4.0*	*T J N*	*ug/L*		*6.67*	*541-02-6*	*11/13/14 05:22*	*11/18/14 18:37*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*6.93*		*11/13/14 05:22*	*11/18/14 18:37*	*1*
Tetradecanoic acid	*4.9*	*T J N*	*ug/L*		*10.27*	*544-63-8*	*11/13/14 05:22*	*11/18/14 18:37*	*1*
Unknown	*11*	*T J*	*ug/L*		*10.86*		*11/13/14 05:22*	*11/18/14 18:37*	*1*
Octadecanoic acid	*5.8*	*T J N*	*ug/L*		*10.92*	*57-11-4*	*11/13/14 05:22*	*11/18/14 18:37*	*1*
Unknown	*6.9*	*T J*	*ug/L*		*11.35*		*11/13/14 05:22*	*11/18/14 18:37*	*1*
Unknown	*42*	*T J*	*ug/L*		*11.74*		*11/13/14 05:22*	*11/18/14 18:37*	*1*
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	*2.7*	*T J N*	*ug/L*		*11.99*	*1740-19-8*	*11/13/14 05:22*	*11/18/14 18:37*	*1*
Unknown	*17*	*T J*	*ug/L*		*12.30*		*11/13/14 05:22*	*11/18/14 18:37*	*1*
Kepone	*26*	*J*	*ug/L*		*12.80*	*143-50-0*	*11/13/14 05:22*	*11/18/14 18:37*	*1*
Unknown	*26*	*T J*	*ug/L*		*13.42*		*11/13/14 05:22*	*11/18/14 18:37*	*1*
Unknown	*18*	*T J*	*ug/L*		*14.71*		*11/13/14 05:22*	*11/18/14 18:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*11/13/14 05:22*	*11/18/14 18:37*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*11/13/14 05:22*	*11/18/14 18:37*	*1*
2-Fluorophenol (Surr)	*81*		*20 - 120*	*11/13/14 05:22*	*11/18/14 18:37*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 120*	*11/13/14 05:22*	*11/18/14 18:37*	*1*
Phenol-d5 (Surr)	*50*		*16 - 120*	*11/13/14 05:22*	*11/18/14 18:37*	*1*
p-Terphenyl-d14 (Surr)	*89*		*67 - 150*	*11/13/14 05:22*	*11/18/14 18:37*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.29**		0.20	0.060	mg/L		11/13/14 08:23	11/13/14 15:11	1
Antimony	ND		0.020	0.0068	mg/L		11/13/14 08:23	11/13/14 15:11	1
Arsenic	ND		0.015	0.0056	mg/L		11/13/14 08:23	11/13/14 15:11	1
Barium	**0.073**		0.0020	0.00070	mg/L		11/13/14 08:23	11/13/14 15:11	1
Beryllium	ND		0.0020	0.00030	mg/L		11/13/14 08:23	11/13/14 15:11	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-CB04-1114-U
Date Collected: 11/11/14 11:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-13
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		11/13/14 08:23	11/13/14 15:11	1
Calcium	**181**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 15:11	1
Chromium	ND		0.0040	0.0010	mg/L		11/13/14 08:23	11/13/14 15:11	1
Cobalt	ND		0.0040	0.00063	mg/L		11/13/14 08:23	11/13/14 15:11	1
Copper	ND		0.010	0.0016	mg/L		11/13/14 08:23	11/13/14 15:11	1
Iron	**0.10**		0.050	0.019	mg/L		11/13/14 08:23	11/13/14 15:11	1
Lead	**0.0054**	**J**	0.010	0.0030	mg/L		11/13/14 08:23	11/13/14 15:11	1
Magnesium	**0.64**		0.20	0.043	mg/L		11/13/14 08:23	11/13/14 15:11	1
Manganese	**0.00045**	**J**	0.0030	0.00040	mg/L		11/13/14 08:23	11/13/14 15:11	1
Nickel	**0.0028**	**J**	0.010	0.0013	mg/L		11/13/14 08:23	11/13/14 15:11	1
Potassium	**169**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 15:11	1
Selenium	ND		0.025	0.0087	mg/L		11/13/14 08:23	11/13/14 15:11	1
Silver	ND		0.0060	0.0017	mg/L		11/13/14 08:23	11/13/14 15:11	1
Sodium	**77.4**		1.0	0.32	mg/L		11/13/14 08:23	11/13/14 15:11	1
Thallium	ND		0.020	0.010	mg/L		11/13/14 08:23	11/13/14 15:11	1
Vanadium	**0.011**		0.0050	0.0015	mg/L		11/13/14 08:23	11/13/14 15:11	1
Zinc	**0.0052**	**J B**	0.010	0.0015	mg/L		11/13/14 08:23	11/13/14 15:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/12/14 09:00	11/12/14 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.045**		0.010	0.0050	mg/L		11/20/14 09:39	11/20/14 14:23	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/19/14 12:51	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-CB04-1114-F
Date Collected: 11/11/14 11:55
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-14
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.5	0.52	ug/L		11/13/14 05:22	11/18/14 19:02	1
2,4,6-Trichlorophenol	ND		5.5	0.67	ug/L		11/13/14 05:22	11/18/14 19:02	1
2,4-Dichlorophenol	ND		5.5	0.56	ug/L		11/13/14 05:22	11/18/14 19:02	1
2,4-Dimethylphenol	ND		5.5	0.55	ug/L		11/13/14 05:22	11/18/14 19:02	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		11/13/14 05:22	11/18/14 19:02	1
2,4-Dinitrotoluene	ND		5.5	0.49	ug/L		11/13/14 05:22	11/18/14 19:02	1
2,6-Dinitrotoluene	ND		5.5	0.44	ug/L		11/13/14 05:22	11/18/14 19:02	1
2-Chloronaphthalene	ND		5.5	0.50	ug/L		11/13/14 05:22	11/18/14 19:02	1
2-Chlorophenol	ND		5.5	0.58	ug/L		11/13/14 05:22	11/18/14 19:02	1
2-Methylnaphthalene	ND		5.5	0.65	ug/L		11/13/14 05:22	11/18/14 19:02	1
2-Methylphenol	ND		5.5	0.44	ug/L		11/13/14 05:22	11/18/14 19:02	1
2-Nitroaniline	ND		11	0.46	ug/L		11/13/14 05:22	11/18/14 19:02	1
2-Nitrophenol	ND		5.5	0.52	ug/L		11/13/14 05:22	11/18/14 19:02	1
3,3'-Dichlorobenzidine	ND		5.5	0.44	ug/L		11/13/14 05:22	11/18/14 19:02	1
3-Nitroaniline	ND		11	0.52	ug/L		11/13/14 05:22	11/18/14 19:02	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		11/13/14 05:22	11/18/14 19:02	1
4-Bromophenyl phenyl ether	ND		5.5	0.49	ug/L		11/13/14 05:22	11/18/14 19:02	1
4-Chloro-3-methylphenol	ND		5.5	0.49	ug/L		11/13/14 05:22	11/18/14 19:02	1
4-Chloroaniline	ND		5.5	0.64	ug/L		11/13/14 05:22	11/18/14 19:02	1
4-Chlorophenyl phenyl ether	ND		5.5	0.38	ug/L		11/13/14 05:22	11/18/14 19:02	1
4-Methylphenol	**1.1**	**J**	11	0.39	ug/L		11/13/14 05:22	11/18/14 19:02	1
4-Nitroaniline	ND		11	0.27	ug/L		11/13/14 05:22	11/18/14 19:02	1
4-Nitrophenol	ND		11	1.7	ug/L		11/13/14 05:22	11/18/14 19:02	1
Acenaphthene	ND		5.5	0.45	ug/L		11/13/14 05:22	11/18/14 19:02	1
Acenaphthylene	ND		5.5	0.41	ug/L		11/13/14 05:22	11/18/14 19:02	1
Acetophenone	**0.74**	**J**	5.5	0.59	ug/L		11/13/14 05:22	11/18/14 19:02	1
Anthracene	ND		5.5	0.31	ug/L		11/13/14 05:22	11/18/14 19:02	1
Atrazine	ND		5.5	0.50	ug/L		11/13/14 05:22	11/18/14 19:02	1
Benzaldehyde	ND		5.5	0.29	ug/L		11/13/14 05:22	11/18/14 19:02	1
Benzo[a]anthracene	ND		5.5	0.39	ug/L		11/13/14 05:22	11/18/14 19:02	1
Benzo[a]pyrene	ND		5.5	0.51	ug/L		11/13/14 05:22	11/18/14 19:02	1
Benzo[b]fluoranthene	ND		5.5	0.37	ug/L		11/13/14 05:22	11/18/14 19:02	1
Benzo[g,h,i]perylene	ND		5.5	0.38	ug/L		11/13/14 05:22	11/18/14 19:02	1
Benzo[k]fluoranthene	ND		5.5	0.80	ug/L		11/13/14 05:22	11/18/14 19:02	1
Biphenyl	ND		5.5	0.71	ug/L		11/13/14 05:22	11/18/14 19:02	1
bis (2-chloroisopropyl) ether	ND		5.5	0.57	ug/L		11/13/14 05:22	11/18/14 19:02	1
Bis(2-chloroethoxy)methane	ND		5.5	0.38	ug/L		11/13/14 05:22	11/18/14 19:02	1
Bis(2-chloroethyl)ether	ND		5.5	0.44	ug/L		11/13/14 05:22	11/18/14 19:02	1
Bis(2-ethylhexyl) phthalate	**4.0**	**J B**	5.5	2.0	ug/L		11/13/14 05:22	11/18/14 19:02	1
Butyl benzyl phthalate	ND		5.5	0.46	ug/L		11/13/14 05:22	11/18/14 19:02	1
Caprolactam	ND		5.5	2.4	ug/L		11/13/14 05:22	11/18/14 19:02	1
Carbazole	ND		5.5	0.33	ug/L		11/13/14 05:22	11/18/14 19:02	1
Chrysene	ND		5.5	0.36	ug/L		11/13/14 05:22	11/18/14 19:02	1
Dibenz(a,h)anthracene	ND		5.5	0.46	ug/L		11/13/14 05:22	11/18/14 19:02	1
Dibenzofuran	ND		11	0.56	ug/L		11/13/14 05:22	11/18/14 19:02	1
Diethyl phthalate	ND		5.5	0.24	ug/L		11/13/14 05:22	11/18/14 19:02	1
Dimethyl phthalate	ND		5.5	0.39	ug/L		11/13/14 05:22	11/18/14 19:02	1
Di-n-butyl phthalate	ND		5.5	0.34	ug/L		11/13/14 05:22	11/18/14 19:02	1
Di-n-octyl phthalate	ND		5.5	0.51	ug/L		11/13/14 05:22	11/18/14 19:02	1

Client Sample ID: SO-CB04-1114-F
Date Collected: 11/11/14 11:55
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-14
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.5	0.44	ug/L		11/13/14 05:22	11/18/14 19:02	1
Fluorene	ND		5.5	0.39	ug/L		11/13/14 05:22	11/18/14 19:02	1
Hexachlorobenzene	ND		5.5	0.56	ug/L		11/13/14 05:22	11/18/14 19:02	1
Hexachlorobutadiene	ND		5.5	0.74	ug/L		11/13/14 05:22	11/18/14 19:02	1
Hexachlorocyclopentadiene	ND		5.5	0.64	ug/L		11/13/14 05:22	11/18/14 19:02	1
Hexachloroethane	ND		5.5	0.64	ug/L		11/13/14 05:22	11/18/14 19:02	1
Indeno[1,2,3-cd]pyrene	ND		5.5	0.51	ug/L		11/13/14 05:22	11/18/14 19:02	1
Isophorone	ND		5.5	0.47	ug/L		11/13/14 05:22	11/18/14 19:02	1
Naphthalene	**1.1**	**J**	5.5	0.83	ug/L		11/13/14 05:22	11/18/14 19:02	1
Nitrobenzene	**0.82**	**J**	5.5	0.32	ug/L		11/13/14 05:22	11/18/14 19:02	1
N-Nitrosodi-n-propylamine	ND		5.5	0.59	ug/L		11/13/14 05:22	11/18/14 19:02	1
N-Nitrosodiphenylamine	ND		5.5	0.56	ug/L		11/13/14 05:22	11/18/14 19:02	1
Pentachlorophenol	**3.5**	**J**	11	2.4	ug/L		11/13/14 05:22	11/18/14 19:02	1
Phenanthrene	ND		5.5	0.48	ug/L		11/13/14 05:22	11/18/14 19:02	1
Phenol	**4.8**	**J**	5.5	0.43	ug/L		11/13/14 05:22	11/18/14 19:02	1
Pyrene	ND		5.5	0.37	ug/L		11/13/14 05:22	11/18/14 19:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*73*	*T J*	*ug/L*		*3.54*		*11/13/14 05:22*	*11/18/14 19:02*	*1*
1-Hexanol, 2-ethyl-	*7.5*	*T J N*	*ug/L*		*6.11*	*104-76-7*	*11/13/14 05:22*	*11/18/14 19:02*	*1*
Cyclopentasiloxane, decamethyl-	*3.8*	*T J N*	*ug/L*		*6.67*	*541-02-6*	*11/13/14 05:22*	*11/18/14 19:02*	*1*
Octanoic Acid	*3.8*	*T J N*	*ug/L*		*6.94*	*124-07-2*	*11/13/14 05:22*	*11/18/14 19:02*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*9.42*		*11/13/14 05:22*	*11/18/14 19:02*	*1*
Unknown	*15*	*T J*	*ug/L*		*10.86*		*11/13/14 05:22*	*11/18/14 19:02*	*1*
Octadecanoic acid	*6.8*	*T J N*	*ug/L*		*10.92*	*57-11-4*	*11/13/14 05:22*	*11/18/14 19:02*	*1*
Benzidine	*2.4*	*J*	*ug/L*		*11.13*	*92-87-5*	*11/13/14 05:22*	*11/18/14 19:02*	*1*
Unknown	*8.1*	*T J*	*ug/L*		*11.35*		*11/13/14 05:22*	*11/18/14 19:02*	*1*
Unknown	*5.4*	*T J*	*ug/L*		*11.72*		*11/13/14 05:22*	*11/18/14 19:02*	*1*
Podocarpa-8,11,13-trien-15-oic acid, 13-	*2.0*	*T J N*	*ug/L*		*11.99*	*1000164-00-3*	*11/13/14 05:22*	*11/18/14 19:02*	*1*
Unknown	*18*	*T J*	*ug/L*		*12.30*		*11/13/14 05:22*	*11/18/14 19:02*	*1*
Kepone	*24*	*J*	*ug/L*		*12.79*	*143-50-0*	*11/13/14 05:22*	*11/18/14 19:02*	*1*
Unknown	*27*	*T J*	*ug/L*		*13.42*		*11/13/14 05:22*	*11/18/14 19:02*	*1*
Unknown	*21*	*T J*	*ug/L*		*14.71*		*11/13/14 05:22*	*11/18/14 19:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*52 - 132*	*11/13/14 05:22*	*11/18/14 19:02*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*11/13/14 05:22*	*11/18/14 19:02*	*1*
2-Fluorophenol (Surr)	*80*		*20 - 120*	*11/13/14 05:22*	*11/18/14 19:02*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 120*	*11/13/14 05:22*	*11/18/14 19:02*	*1*
Phenol-d5 (Surr)	*50*		*16 - 120*	*11/13/14 05:22*	*11/18/14 19:02*	*1*
p-Terphenyl-d14 (Surr)	*90*		*67 - 150*	*11/13/14 05:22*	*11/18/14 19:02*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.21**		0.20	0.060	mg/L		11/13/14 08:23	11/13/14 15:14	1
Antimony	ND		0.020	0.0068	mg/L		11/13/14 08:23	11/13/14 15:14	1
Arsenic	**0.0074**	**J**	0.015	0.0056	mg/L		11/13/14 08:23	11/13/14 15:14	1
Barium	**0.073**		0.0020	0.00070	mg/L		11/13/14 08:23	11/13/14 15:14	1
Beryllium	ND		0.0020	0.00030	mg/L		11/13/14 08:23	11/13/14 15:14	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-CB04-1114-F
Date Collected: 11/11/14 11:55
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-14
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		11/13/14 08:23	11/13/14 15:14	1
Calcium	**180**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 15:14	1
Chromium	ND		0.0040	0.0010	mg/L		11/13/14 08:23	11/13/14 15:14	1
Cobalt	ND		0.0040	0.00063	mg/L		11/13/14 08:23	11/13/14 15:14	1
Copper	ND		0.010	0.0016	mg/L		11/13/14 08:23	11/13/14 15:14	1
Iron	**0.039**	**J**	0.050	0.019	mg/L		11/13/14 08:23	11/13/14 15:14	1
Lead	**0.0034**	**J**	0.010	0.0030	mg/L		11/13/14 08:23	11/13/14 15:14	1
Magnesium	**0.44**		0.20	0.043	mg/L		11/13/14 08:23	11/13/14 15:14	1
Manganese	ND		0.0030	0.00040	mg/L		11/13/14 08:23	11/13/14 15:14	1
Nickel	**0.0022**	**J**	0.010	0.0013	mg/L		11/13/14 08:23	11/13/14 15:14	1
Potassium	**171**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 15:14	1
Selenium	ND		0.025	0.0087	mg/L		11/13/14 08:23	11/13/14 15:14	1
Silver	ND		0.0060	0.0017	mg/L		11/13/14 08:23	11/13/14 15:14	1
Sodium	**77.8**		1.0	0.32	mg/L		11/13/14 08:23	11/13/14 15:14	1
Thallium	ND		0.020	0.010	mg/L		11/13/14 08:23	11/13/14 15:14	1
Vanadium	**0.0099**		0.0050	0.0015	mg/L		11/13/14 08:23	11/13/14 15:14	1
Zinc	**0.0045**	**J B**	0.010	0.0015	mg/L		11/13/14 08:23	11/13/14 15:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/12/14 09:00	11/12/14 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/20/14 09:39	11/20/14 14:25	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/19/14 12:53	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-CB05-1114-U
Date Collected: 11/11/14 12:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-15
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/13/14 05:22	11/18/14 19:28	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/13/14 05:22	11/18/14 19:28	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/13/14 05:22	11/18/14 19:28	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/13/14 05:22	11/18/14 19:28	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/13/14 05:22	11/18/14 19:28	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/13/14 05:22	11/18/14 19:28	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/13/14 05:22	11/18/14 19:28	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/13/14 05:22	11/18/14 19:28	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/13/14 05:22	11/18/14 19:28	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/13/14 05:22	11/18/14 19:28	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/13/14 05:22	11/18/14 19:28	1
2-Nitroaniline	ND		10	0.42	ug/L		11/13/14 05:22	11/18/14 19:28	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/13/14 05:22	11/18/14 19:28	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/13/14 05:22	11/18/14 19:28	1
3-Nitroaniline	ND		10	0.48	ug/L		11/13/14 05:22	11/18/14 19:28	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/13/14 05:22	11/18/14 19:28	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/13/14 05:22	11/18/14 19:28	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/13/14 05:22	11/18/14 19:28	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/13/14 05:22	11/18/14 19:28	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/13/14 05:22	11/18/14 19:28	1
4-Methylphenol	**0.72**	**J**	10	0.36	ug/L		11/13/14 05:22	11/18/14 19:28	1
4-Nitroaniline	ND		10	0.25	ug/L		11/13/14 05:22	11/18/14 19:28	1
4-Nitrophenol	ND		10	1.5	ug/L		11/13/14 05:22	11/18/14 19:28	1
Acenaphthene	ND		5.0	0.41	ug/L		11/13/14 05:22	11/18/14 19:28	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/13/14 05:22	11/18/14 19:28	1
Acetophenone	ND		5.0	0.54	ug/L		11/13/14 05:22	11/18/14 19:28	1
Anthracene	ND		5.0	0.28	ug/L		11/13/14 05:22	11/18/14 19:28	1
Atrazine	ND		5.0	0.46	ug/L		11/13/14 05:22	11/18/14 19:28	1
Benzaldehyde	**0.72**	**J B**	5.0	0.27	ug/L		11/13/14 05:22	11/18/14 19:28	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/13/14 05:22	11/18/14 19:28	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/13/14 05:22	11/18/14 19:28	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/13/14 05:22	11/18/14 19:28	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/13/14 05:22	11/18/14 19:28	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/13/14 05:22	11/18/14 19:28	1
Biphenyl	ND		5.0	0.66	ug/L		11/13/14 05:22	11/18/14 19:28	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/13/14 05:22	11/18/14 19:28	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/13/14 05:22	11/18/14 19:28	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/13/14 05:22	11/18/14 19:28	1
Bis(2-ethylhexyl) phthalate	**4.6**	**J B**	5.0	1.8	ug/L		11/13/14 05:22	11/18/14 19:28	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		11/13/14 05:22	11/18/14 19:28	1
Caprolactam	ND		5.0	2.2	ug/L		11/13/14 05:22	11/18/14 19:28	1
Carbazole	ND		5.0	0.30	ug/L		11/13/14 05:22	11/18/14 19:28	1
Chrysene	ND		5.0	0.33	ug/L		11/13/14 05:22	11/18/14 19:28	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/13/14 05:22	11/18/14 19:28	1
Dibenzofuran	ND		10	0.51	ug/L		11/13/14 05:22	11/18/14 19:28	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/13/14 05:22	11/18/14 19:28	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/13/14 05:22	11/18/14 19:28	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/13/14 05:22	11/18/14 19:28	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/13/14 05:22	11/18/14 19:28	1

Client Sample ID: SO-CB05-1114-U
Date Collected: 11/11/14 12:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-15
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		11/13/14 05:22	11/18/14 19:28	1
Fluorene	ND		5.0	0.36	ug/L		11/13/14 05:22	11/18/14 19:28	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/13/14 05:22	11/18/14 19:28	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/13/14 05:22	11/18/14 19:28	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/13/14 05:22	11/18/14 19:28	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/13/14 05:22	11/18/14 19:28	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/13/14 05:22	11/18/14 19:28	1
Isophorone	ND		5.0	0.43	ug/L		11/13/14 05:22	11/18/14 19:28	1
Naphthalene	ND		5.0	0.76	ug/L		11/13/14 05:22	11/18/14 19:28	1
Nitrobenzene	**0.47**	**J**	5.0	0.29	ug/L		11/13/14 05:22	11/18/14 19:28	1
N-Nitrosodi-n-propylamine	**4.7**	**J**	5.0	0.54	ug/L		11/13/14 05:22	11/18/14 19:28	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/13/14 05:22	11/18/14 19:28	1
Pentachlorophenol	ND		10	2.2	ug/L		11/13/14 05:22	11/18/14 19:28	1
Phenanthrene	ND		5.0	0.44	ug/L		11/13/14 05:22	11/18/14 19:28	1
Phenol	ND		5.0	0.39	ug/L		11/13/14 05:22	11/18/14 19:28	1
Pyrene	ND		5.0	0.34	ug/L		11/13/14 05:22	11/18/14 19:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*69*	*T J*	*ug/L*		*3.54*		*11/13/14 05:22*	*11/18/14 19:28*	*1*
1-Hexanol, 2-ethyl-	*6.0*	*T J N*	*ug/L*		*6.11*	*104-76-7*	*11/13/14 05:22*	*11/18/14 19:28*	*1*
Cyclopentasiloxane, decamethyl-	*2.9*	*T J N*	*ug/L*		*6.67*	*541-02-6*	*11/13/14 05:22*	*11/18/14 19:28*	*1*
n-Hexadecanoic acid	*4.6*	*T J N*	*ug/L*		*10.26*	*57-10-3*	*11/13/14 05:22*	*11/18/14 19:28*	*1*
Unknown	*26*	*T J*	*ug/L*		*10.85*		*11/13/14 05:22*	*11/18/14 19:28*	*1*
Octadecanoic acid	*5.4*	*T J N*	*ug/L*		*10.91*	*57-11-4*	*11/13/14 05:22*	*11/18/14 19:28*	*1*
Unknown	*8.0*	*T J*	*ug/L*		*11.34*		*11/13/14 05:22*	*11/18/14 19:28*	*1*
Unknown	*17*	*T J*	*ug/L*		*11.70*		*11/13/14 05:22*	*11/18/14 19:28*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*12.03*		*11/13/14 05:22*	*11/18/14 19:28*	*1*
Unknown	*17*	*T J*	*ug/L*		*12.29*		*11/13/14 05:22*	*11/18/14 19:28*	*1*
Kepone	*3.6*	*J*	*ug/L*		*12.69*	*143-50-0*	*11/13/14 05:22*	*11/18/14 19:28*	*1*
Unknown	*39*	*T J*	*ug/L*		*12.69*		*11/13/14 05:22*	*11/18/14 19:28*	*1*
Unknown	*5.9*	*T J*	*ug/L*		*13.11*		*11/13/14 05:22*	*11/18/14 19:28*	*1*
Unknown	*24*	*T J*	*ug/L*		*13.41*		*11/13/14 05:22*	*11/18/14 19:28*	*1*
Unknown	*5.9*	*T J*	*ug/L*		*14.36*		*11/13/14 05:22*	*11/18/14 19:28*	*1*
Unknown	*8.5*	*T J*	*ug/L*		*14.67*		*11/13/14 05:22*	*11/18/14 19:28*	*1*
Unknown	*12*	*T J*	*ug/L*		*14.70*		*11/13/14 05:22*	*11/18/14 19:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*52 - 132*	*11/13/14 05:22*	*11/18/14 19:28*	*1*
2-Fluorobiphenyl	*74*		*48 - 120*	*11/13/14 05:22*	*11/18/14 19:28*	*1*
2-Fluorophenol (Surr)	*68*		*20 - 120*	*11/13/14 05:22*	*11/18/14 19:28*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 120*	*11/13/14 05:22*	*11/18/14 19:28*	*1*
Phenol-d5 (Surr)	*45*		*16 - 120*	*11/13/14 05:22*	*11/18/14 19:28*	*1*
p-Terphenyl-d14 (Surr)	*84*		*67 - 150*	*11/13/14 05:22*	*11/18/14 19:28*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/13/14 08:23	11/13/14 15:17	1
Antimony	ND		0.020	0.0068	mg/L		11/13/14 08:23	11/13/14 15:17	1
Arsenic	ND		0.015	0.0056	mg/L		11/13/14 08:23	11/13/14 15:17	1
Barium	**0.18**		0.0020	0.00070	mg/L		11/13/14 08:23	11/13/14 15:17	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-CB05-1114-U
Date Collected: 11/11/14 12:30
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-15
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		11/13/14 08:23	11/13/14 15:17	1
Cadmium	ND		0.0020	0.00050	mg/L		11/13/14 08:23	11/13/14 15:17	1
Calcium	**269**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 15:17	1
Chromium	ND		0.0040	0.0010	mg/L		11/13/14 08:23	11/13/14 15:17	1
Cobalt	ND		0.0040	0.00063	mg/L		11/13/14 08:23	11/13/14 15:17	1
Copper	ND		0.010	0.0016	mg/L		11/13/14 08:23	11/13/14 15:17	1
Iron	**0.038**	**J**	0.050	0.019	mg/L		11/13/14 08:23	11/13/14 15:17	1
Lead	ND		0.010	0.0030	mg/L		11/13/14 08:23	11/13/14 15:17	1
Magnesium	**0.081**	**J**	0.20	0.043	mg/L		11/13/14 08:23	11/13/14 15:17	1
Manganese	ND		0.0030	0.00040	mg/L		11/13/14 08:23	11/13/14 15:17	1
Nickel	ND		0.010	0.0013	mg/L		11/13/14 08:23	11/13/14 15:17	1
Potassium	**28.2**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 15:17	1
Selenium	ND		0.025	0.0087	mg/L		11/13/14 08:23	11/13/14 15:17	1
Silver	ND		0.0060	0.0017	mg/L		11/13/14 08:23	11/13/14 15:17	1
Sodium	**35.9**		1.0	0.32	mg/L		11/13/14 08:23	11/13/14 15:17	1
Thallium	ND		0.020	0.010	mg/L		11/13/14 08:23	11/13/14 15:17	1
Vanadium	ND		0.0050	0.0015	mg/L		11/13/14 08:23	11/13/14 15:17	1
Zinc	**0.0047**	**J B**	0.010	0.0015	mg/L		11/13/14 08:23	11/13/14 15:17	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/12/14 09:00	11/12/14 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/20/14 09:39	11/20/14 14:26	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/19/14 12:54	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-CB05-1114-F
Date Collected: 11/11/14 12:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-16
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		11/13/14 05:22	11/18/14 19:53	1
2,4,6-Trichlorophenol	ND		4.7	0.58	ug/L		11/13/14 05:22	11/18/14 19:53	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		11/13/14 05:22	11/18/14 19:53	1
2,4-Dimethylphenol	ND		4.7	0.47	ug/L		11/13/14 05:22	11/18/14 19:53	1
2,4-Dinitrophenol	ND		9.4	2.1	ug/L		11/13/14 05:22	11/18/14 19:53	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		11/13/14 05:22	11/18/14 19:53	1
2,6-Dinitrotoluene	ND		4.7	0.38	ug/L		11/13/14 05:22	11/18/14 19:53	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		11/13/14 05:22	11/18/14 19:53	1
2-Chlorophenol	ND		4.7	0.50	ug/L		11/13/14 05:22	11/18/14 19:53	1
2-Methylnaphthalene	ND		4.7	0.57	ug/L		11/13/14 05:22	11/18/14 19:53	1
2-Methylphenol	ND		4.7	0.38	ug/L		11/13/14 05:22	11/18/14 19:53	1
2-Nitroaniline	ND		9.4	0.40	ug/L		11/13/14 05:22	11/18/14 19:53	1
2-Nitrophenol	ND		4.7	0.45	ug/L		11/13/14 05:22	11/18/14 19:53	1
3,3'-Dichlorobenzidine	ND		4.7	0.38	ug/L		11/13/14 05:22	11/18/14 19:53	1
3-Nitroaniline	ND		9.4	0.45	ug/L		11/13/14 05:22	11/18/14 19:53	1
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L		11/13/14 05:22	11/18/14 19:53	1
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		11/13/14 05:22	11/18/14 19:53	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		11/13/14 05:22	11/18/14 19:53	1
4-Chloroaniline	ND		4.7	0.56	ug/L		11/13/14 05:22	11/18/14 19:53	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		11/13/14 05:22	11/18/14 19:53	1
4-Methylphenol	**0.75**	**J**	9.4	0.34	ug/L		11/13/14 05:22	11/18/14 19:53	1
4-Nitroaniline	ND		9.4	0.24	ug/L		11/13/14 05:22	11/18/14 19:53	1
4-Nitrophenol	ND		9.4	1.4	ug/L		11/13/14 05:22	11/18/14 19:53	1
Acenaphthene	ND		4.7	0.39	ug/L		11/13/14 05:22	11/18/14 19:53	1
Acenaphthylene	ND		4.7	0.36	ug/L		11/13/14 05:22	11/18/14 19:53	1
Acetophenone	ND		4.7	0.51	ug/L		11/13/14 05:22	11/18/14 19:53	1
Anthracene	ND		4.7	0.26	ug/L		11/13/14 05:22	11/18/14 19:53	1
Atrazine	ND		4.7	0.43	ug/L		11/13/14 05:22	11/18/14 19:53	1
Benzaldehyde	**0.83**	**J B**	4.7	0.25	ug/L		11/13/14 05:22	11/18/14 19:53	1
Benzo[a]anthracene	ND		4.7	0.34	ug/L		11/13/14 05:22	11/18/14 19:53	1
Benzo[a]pyrene	ND		4.7	0.44	ug/L		11/13/14 05:22	11/18/14 19:53	1
Benzo[b]fluoranthene	ND		4.7	0.32	ug/L		11/13/14 05:22	11/18/14 19:53	1
Benzo[g,h,i]perylene	ND		4.7	0.33	ug/L		11/13/14 05:22	11/18/14 19:53	1
Benzo[k]fluoranthene	ND		4.7	0.69	ug/L		11/13/14 05:22	11/18/14 19:53	1
Biphenyl	ND		4.7	0.62	ug/L		11/13/14 05:22	11/18/14 19:53	1
bis (2-chloroisopropyl) ether	ND		4.7	0.49	ug/L		11/13/14 05:22	11/18/14 19:53	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		11/13/14 05:22	11/18/14 19:53	1
Bis(2-chloroethyl)ether	ND		4.7	0.38	ug/L		11/13/14 05:22	11/18/14 19:53	1
Bis(2-ethylhexyl) phthalate	**3.3**	**J B**	4.7	1.7	ug/L		11/13/14 05:22	11/18/14 19:53	1
Butyl benzyl phthalate	ND		4.7	0.40	ug/L		11/13/14 05:22	11/18/14 19:53	1
Caprolactam	ND		4.7	2.1	ug/L		11/13/14 05:22	11/18/14 19:53	1
Carbazole	ND		4.7	0.28	ug/L		11/13/14 05:22	11/18/14 19:53	1
Chrysene	ND		4.7	0.31	ug/L		11/13/14 05:22	11/18/14 19:53	1
Dibenz(a,h)anthracene	ND		4.7	0.40	ug/L		11/13/14 05:22	11/18/14 19:53	1
Dibenzofuran	ND		9.4	0.48	ug/L		11/13/14 05:22	11/18/14 19:53	1
Diethyl phthalate	ND		4.7	0.21	ug/L		11/13/14 05:22	11/18/14 19:53	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		11/13/14 05:22	11/18/14 19:53	1
Di-n-butyl phthalate	ND		4.7	0.29	ug/L		11/13/14 05:22	11/18/14 19:53	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		11/13/14 05:22	11/18/14 19:53	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-CB05-1114-F
Date Collected: 11/11/14 12:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-16
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.7	0.38	ug/L		11/13/14 05:22	11/18/14 19:53	1
Fluorene	ND		4.7	0.34	ug/L		11/13/14 05:22	11/18/14 19:53	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		11/13/14 05:22	11/18/14 19:53	1
Hexachlorobutadiene	ND		4.7	0.64	ug/L		11/13/14 05:22	11/18/14 19:53	1
Hexachlorocyclopentadiene	ND		4.7	0.56	ug/L		11/13/14 05:22	11/18/14 19:53	1
Hexachloroethane	ND		4.7	0.56	ug/L		11/13/14 05:22	11/18/14 19:53	1
Indeno[1,2,3-cd]pyrene	ND		4.7	0.44	ug/L		11/13/14 05:22	11/18/14 19:53	1
Isophorone	ND		4.7	0.41	ug/L		11/13/14 05:22	11/18/14 19:53	1
Naphthalene	ND		4.7	0.72	ug/L		11/13/14 05:22	11/18/14 19:53	1
Nitrobenzene	ND		4.7	0.27	ug/L		11/13/14 05:22	11/18/14 19:53	1
N-Nitrosodi-n-propylamine	**4.7**		4.7	0.51	ug/L		11/13/14 05:22	11/18/14 19:53	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		11/13/14 05:22	11/18/14 19:53	1
Pentachlorophenol	ND		9.4	2.1	ug/L		11/13/14 05:22	11/18/14 19:53	1
Phenanthrene	ND		4.7	0.41	ug/L		11/13/14 05:22	11/18/14 19:53	1
Phenol	**0.69**	**J**	4.7	0.37	ug/L		11/13/14 05:22	11/18/14 19:53	1
Pyrene	ND		4.7	0.32	ug/L		11/13/14 05:22	11/18/14 19:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*68*	*T J*	*ug/L*		*3.55*		*11/13/14 05:22*	*11/18/14 19:53*	*1*
1-Hexanol, 2-ethyl-	*6.6*	*T J N*	*ug/L*		*6.11*	*104-76-7*	*11/13/14 05:22*	*11/18/14 19:53*	*1*
Cyclopentasiloxane, decamethyl-	*2.8*	*T J N*	*ug/L*		*6.67*	*541-02-6*	*11/13/14 05:22*	*11/18/14 19:53*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*9.94*		*11/13/14 05:22*	*11/18/14 19:53*	*1*
n-Hexadecanoic acid	*6.7*	*T J N*	*ug/L*		*10.26*	*57-10-3*	*11/13/14 05:22*	*11/18/14 19:53*	*1*
Unknown	*26*	*T J*	*ug/L*		*10.85*		*11/13/14 05:22*	*11/18/14 19:53*	*1*
Octadecanoic acid	*5.2*	*T J N*	*ug/L*		*10.91*	*57-11-4*	*11/13/14 05:22*	*11/18/14 19:53*	*1*
Unknown	*8.0*	*T J*	*ug/L*		*11.35*		*11/13/14 05:22*	*11/18/14 19:53*	*1*
Unknown	*18*	*T J*	*ug/L*		*11.70*		*11/13/14 05:22*	*11/18/14 19:53*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*12.04*		*11/13/14 05:22*	*11/18/14 19:53*	*1*
Unknown	*19*	*T J*	*ug/L*		*12.29*		*11/13/14 05:22*	*11/18/14 19:53*	*1*
Unknown	*39*	*T J*	*ug/L*		*12.69*		*11/13/14 05:22*	*11/18/14 19:53*	*1*
Kepone	*5.4*	*J*	*ug/L*		*12.78*	*143-50-0*	*11/13/14 05:22*	*11/18/14 19:53*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*13.11*		*11/13/14 05:22*	*11/18/14 19:53*	*1*
Unknown	*23*	*T J*	*ug/L*		*13.41*		*11/13/14 05:22*	*11/18/14 19:53*	*1*
Unknown	*5.4*	*T J*	*ug/L*		*14.36*		*11/13/14 05:22*	*11/18/14 19:53*	*1*
Unknown	*21*	*T J*	*ug/L*		*14.71*		*11/13/14 05:22*	*11/18/14 19:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*52 - 132*	*11/13/14 05:22*	*11/18/14 19:53*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*11/13/14 05:22*	*11/18/14 19:53*	*1*
2-Fluorophenol (Surr)	*81*		*20 - 120*	*11/13/14 05:22*	*11/18/14 19:53*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 120*	*11/13/14 05:22*	*11/18/14 19:53*	*1*
Phenol-d5 (Surr)	*46*		*16 - 120*	*11/13/14 05:22*	*11/18/14 19:53*	*1*
p-Terphenyl-d14 (Surr)	*89*		*67 - 150*	*11/13/14 05:22*	*11/18/14 19:53*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/13/14 08:23	11/13/14 15:20	1
Antimony	ND		0.020	0.0068	mg/L		11/13/14 08:23	11/13/14 15:20	1
Arsenic	ND		0.015	0.0056	mg/L		11/13/14 08:23	11/13/14 15:20	1
Barium	**0.18**		0.0020	0.00070	mg/L		11/13/14 08:23	11/13/14 15:20	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-CB05-1114-F
Date Collected: 11/11/14 12:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-16
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		11/13/14 08:23	11/13/14 15:20	1
Cadmium	ND		0.0020	0.00050	mg/L		11/13/14 08:23	11/13/14 15:20	1
Calcium	**271**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 15:20	1
Chromium	ND		0.0040	0.0010	mg/L		11/13/14 08:23	11/13/14 15:20	1
Cobalt	ND		0.0040	0.00063	mg/L		11/13/14 08:23	11/13/14 15:20	1
Copper	ND		0.010	0.0016	mg/L		11/13/14 08:23	11/13/14 15:20	1
Iron	ND		0.050	0.019	mg/L		11/13/14 08:23	11/13/14 15:20	1
Lead	ND		0.010	0.0030	mg/L		11/13/14 08:23	11/13/14 15:20	1
Magnesium	**0.095**	**J**	0.20	0.043	mg/L		11/13/14 08:23	11/13/14 15:20	1
Manganese	ND		0.0030	0.00040	mg/L		11/13/14 08:23	11/13/14 15:20	1
Nickel	ND		0.010	0.0013	mg/L		11/13/14 08:23	11/13/14 15:20	1
Potassium	**31.9**		0.50	0.10	mg/L		11/13/14 08:23	11/13/14 15:20	1
Selenium	**0.0090**	**J**	0.025	0.0087	mg/L		11/13/14 08:23	11/13/14 15:20	1
Silver	ND		0.0060	0.0017	mg/L		11/13/14 08:23	11/13/14 15:20	1
Sodium	**38.0**		1.0	0.32	mg/L		11/13/14 08:23	11/13/14 15:20	1
Thallium	ND		0.020	0.010	mg/L		11/13/14 08:23	11/13/14 15:20	1
Vanadium	ND		0.0050	0.0015	mg/L		11/13/14 08:23	11/13/14 15:20	1
Zinc	**0.0038**	**J B**	0.010	0.0015	mg/L		11/13/14 08:23	11/13/14 15:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/12/14 09:00	11/12/14 12:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/20/14 09:39	11/20/14 14:28	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/19/14 12:55	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-CB02-1114-U

Lab Sample ID: 480-71165-1

Date Collected: 11/11/14 09:20

Matrix: Water

Date Received: 11/11/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			213776	11/13/14 05:22	JLS	TAL BUF
Total/NA	Analysis	8270D		1	214609	11/18/14 16:31	DMR	TAL BUF
Total/NA	Prep	3005A			213637	11/13/14 08:23	TRP	TAL BUF
Total/NA	Analysis	6010C		1	214065	11/13/14 14:38	AMH	TAL BUF
Total/NA	Prep	7470A			213504	11/12/14 09:00	LRK	TAL BUF
Total/NA	Analysis	7470A		1	213653	11/12/14 12:30	LRK	TAL BUF
Total/NA	Prep	9012B			215083	11/20/14 09:39	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:10	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	125763	11/19/14 12:40	CAK	TAL PIT

Client Sample ID: SW-CB02-1114-F

Lab Sample ID: 480-71165-2

Date Collected: 11/11/14 09:35

Matrix: Water

Date Received: 11/11/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			213776	11/13/14 05:22	JLS	TAL BUF
Total/NA	Analysis	8270D		1	214609	11/18/14 16:56	DMR	TAL BUF
Total/NA	Prep	3005A			213637	11/13/14 08:23	TRP	TAL BUF
Total/NA	Analysis	6010C		1	214065	11/13/14 14:51	AMH	TAL BUF
Total/NA	Prep	7470A			213504	11/12/14 09:00	LRK	TAL BUF
Total/NA	Analysis	7470A		1	213653	11/12/14 12:40	LRK	TAL BUF
Total/NA	Prep	9012B			215083	11/20/14 09:39	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:15	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	125763	11/19/14 12:45	CAK	TAL PIT

Client Sample ID: SW-CB03-1114-F

Lab Sample ID: 480-71165-3

Date Collected: 11/11/14 10:30

Matrix: Water

Date Received: 11/11/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			213776	11/13/14 05:22	JLS	TAL BUF
Total/NA	Analysis	8270D		1	214609	11/18/14 17:21	DMR	TAL BUF
Total/NA	Prep	3005A			213637	11/13/14 08:23	TRP	TAL BUF
Total/NA	Analysis	6010C		1	214065	11/13/14 14:54	AMH	TAL BUF
Total/NA	Prep	7470A			213504	11/12/14 09:00	LRK	TAL BUF
Total/NA	Analysis	7470A		1	213653	11/12/14 12:41	LRK	TAL BUF
Total/NA	Prep	9012B			215083	11/20/14 09:39	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:16	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	125763	11/19/14 12:47	CAK	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SW-CB03-1114-U

Lab Sample ID: 480-71165-4

Date Collected: 11/11/14 10:20
Matrix: Water
Date Received: 11/11/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			213776	11/13/14 05:22	JLS	TAL BUF
Total/NA	Analysis	8270D		1	214609	11/18/14 17:46	DMR	TAL BUF
Total/NA	Prep	3005A			213637	11/13/14 08:23	TRP	TAL BUF
Total/NA	Analysis	6010C		1	214065	11/13/14 15:05	AMH	TAL BUF
Total/NA	Prep	7470A			213504	11/12/14 09:00	LRK	TAL BUF
Total/NA	Analysis	7470A		1	213653	11/12/14 12:43	LRK	TAL BUF
Total/NA	Prep	9012B			215083	11/20/14 09:39	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:18	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	125763	11/19/14 12:48	CAK	TAL PIT

Client Sample ID: SW-BD01-1114-U

Lab Sample ID: 480-71165-5

Date Collected: 11/11/14 10:40
Matrix: Water
Date Received: 11/11/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			213776	11/13/14 05:22	JLS	TAL BUF
Total/NA	Analysis	8270D		1	214609	11/18/14 18:12	DMR	TAL BUF
Total/NA	Prep	3005A			213637	11/13/14 08:23	TRP	TAL BUF
Total/NA	Analysis	6010C		1	214065	11/13/14 15:08	AMH	TAL BUF
Total/NA	Prep	7470A			213504	11/12/14 09:00	LRK	TAL BUF
Total/NA	Analysis	7470A		1	213653	11/12/14 12:45	LRK	TAL BUF
Total/NA	Prep	9012B			215083	11/20/14 09:39	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:19	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	125763	11/19/14 12:50	CAK	TAL PIT

Client Sample ID: SO-09-1114-16-20

Lab Sample ID: 480-71165-6

Date Collected: 11/11/14 11:45
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 67.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214191	11/14/14 16:12	CPH	TAL BUF
Total/NA	Analysis	8270D		1	215257	11/21/14 14:06	LMW	TAL BUF
Total/NA	Prep	3050B			213667	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214409	11/15/14 14:16	LMH	TAL BUF
Total/NA	Prep	7471B			213849	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:17	LRK	TAL BUF
Total/NA	Prep	9012B			215500	11/22/14 11:02	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 13:08	KMF	TAL BUF
Total/NA	Leach	9016			263751	11/19/14 10:00	JAK	TAL EDI
Total/NA	Prep	9016			264049	11/20/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	264149	11/20/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262789	11/14/14 15:48	CJA	TAL EDI
Total/NA	Prep	9013A			125405	11/17/14 12:21	JWS	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-09-1114-16-20

Lab Sample ID: 480-71165-6

Date Collected: 11/11/14 11:45
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 67.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	OIA-1677		1	125765	11/19/14 17:40	CAK	TAL PIT

Client Sample ID: SO-BD-01-1114-0-4

Lab Sample ID: 480-71165-7

Date Collected: 11/11/14 12:20
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 77.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214191	11/14/14 16:12	CPH	TAL BUF
Total/NA	Analysis	8270D		10	215257	11/21/14 14:30	LMW	TAL BUF
Total/NA	Prep	3050B			213667	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214409	11/15/14 14:18	LMH	TAL BUF
Total/NA	Prep	7471B			213849	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:27	LRK	TAL BUF
Total/NA	Prep	9012B			215500	11/22/14 11:02	EKB	TAL BUF
Total/NA	Analysis	9012B		2	215718	11/24/14 15:13	KMF	TAL BUF
Total/NA	Leach	9016			263751	11/19/14 10:00	JAK	TAL EDI
Total/NA	Prep	9016			264049	11/20/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	264149	11/20/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262789	11/14/14 15:48	CJA	TAL EDI
Total/NA	Prep	9013A			125405	11/17/14 12:21	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125765	11/19/14 17:44	CAK	TAL PIT

Client Sample ID: SO-10-1114-0-4

Lab Sample ID: 480-71165-8

Date Collected: 11/11/14 12:20
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 66.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214191	11/14/14 16:12	CPH	TAL BUF
Total/NA	Analysis	8270D		10	215257	11/21/14 14:53	LMW	TAL BUF
Total/NA	Prep	3050B			213667	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214409	11/15/14 14:29	LMH	TAL BUF
Total/NA	Prep	3050B			213667	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214409	11/15/14 14:32	LMH	TAL BUF
Total/NA	Prep	7471B			213849	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:29	LRK	TAL BUF
Total/NA	Prep	9012B			215500	11/22/14 11:02	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 13:13	KMF	TAL BUF
Total/NA	Leach	9016			263751	11/19/14 10:00	JAK	TAL EDI
Total/NA	Prep	9016			264049	11/20/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	264149	11/20/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262789	11/14/14 15:48	CJA	TAL EDI
Total/NA	Prep	9013A			125405	11/17/14 12:21	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125765	11/19/14 17:46	CAK	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-4-8

Lab Sample ID: 480-71165-9

Date Collected: 11/11/14 12:30
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214191	11/14/14 16:12	CPH	TAL BUF
Total/NA	Analysis	8270D		10	215257	11/21/14 15:17	LMW	TAL BUF
Total/NA	Prep	3050B			213667	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214409	11/15/14 14:35	LMH	TAL BUF
Total/NA	Prep	3050B			213667	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214409	11/15/14 15:03	LMH	TAL BUF
Total/NA	Prep	7471B			213849	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:31	LRK	TAL BUF
Total/NA	Prep	9012B			215500	11/22/14 11:02	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 13:14	KMF	TAL BUF
Total/NA	Leach	9016			263751	11/19/14 10:00	JAK	TAL EDI
Total/NA	Prep	9016			264049	11/20/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	264149	11/20/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262789	11/14/14 15:48	CJA	TAL EDI
Total/NA	Prep	9013A			125405	11/17/14 12:21	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125765	11/19/14 17:47	CAK	TAL PIT

Client Sample ID: SO-10-1114-8-12

Lab Sample ID: 480-71165-10

Date Collected: 11/11/14 12:40
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 59.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214191	11/14/14 16:12	CPH	TAL BUF
Total/NA	Analysis	8270D		10	215257	11/21/14 15:41	LMW	TAL BUF
Total/NA	Prep	3050B			213667	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214409	11/15/14 15:16	LMH	TAL BUF
Total/NA	Prep	3050B			213667	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		5	214409	11/15/14 15:19	LMH	TAL BUF
Total/NA	Prep	7471B			213849	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:33	LRK	TAL BUF
Total/NA	Prep	9012B			215500	11/22/14 11:02	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 13:17	KMF	TAL BUF
Total/NA	Leach	9016			263751	11/19/14 10:00	JAK	TAL EDI
Total/NA	Prep	9016			264049	11/20/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	264149	11/20/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262789	11/14/14 15:48	CJA	TAL EDI
Total/NA	Prep	9013A			125405	11/17/14 12:21	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125765	11/19/14 17:49	CAK	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-10-1114-12-16

Lab Sample ID: 480-71165-11

Date Collected: 11/11/14 12:50
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 38.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214191	11/14/14 16:12	CPH	TAL BUF
Total/NA	Analysis	8270D		100	215257	11/21/14 16:05	LMW	TAL BUF
Total/NA	Prep	3050B			213667	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214409	11/15/14 15:35	LMH	TAL BUF
Total/NA	Prep	7471B			213849	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:34	LRK	TAL BUF
Total/NA	Prep	9012B			215500	11/22/14 11:02	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 13:19	KMF	TAL BUF
Total/NA	Leach	9016			263751	11/19/14 10:00	JAK	TAL EDI
Total/NA	Prep	9016			264049	11/20/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	264149	11/20/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262789	11/14/14 15:48	CJA	TAL EDI
Total/NA	Prep	9013A			125405	11/17/14 12:21	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125765	11/19/14 17:50	CAK	TAL PIT

Client Sample ID: SO-10-1114-16-20

Lab Sample ID: 480-71165-12

Date Collected: 11/11/14 13:00
Matrix: Solid
Date Received: 11/11/14 15:55
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214191	11/14/14 16:12	CPH	TAL BUF
Total/NA	Analysis	8270D		1	215257	11/21/14 16:29	LMW	TAL BUF
Total/NA	Prep	3050B			213667	11/12/14 08:46	EJT	TAL BUF
Total/NA	Analysis	6010C		1	214409	11/15/14 15:38	LMH	TAL BUF
Total/NA	Prep	7471B			213849	11/13/14 10:30	TAS	TAL BUF
Total/NA	Analysis	7471B		1	213937	11/13/14 14:36	LRK	TAL BUF
Total/NA	Prep	9012B			215500	11/22/14 11:02	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 13:23	KMF	TAL BUF
Total/NA	Leach	9016			263751	11/19/14 10:00	JAK	TAL EDI
Total/NA	Prep	9016			264049	11/20/14 06:00	JAK	TAL EDI
Total/NA	Analysis	9016		1	264149	11/20/14 12:00	JAK	TAL EDI
Total/NA	Analysis	Moisture		1	262789	11/14/14 15:48	CJA	TAL EDI
Total/NA	Prep	9013A			125405	11/17/14 12:21	JWS	TAL PIT
Total/NA	Analysis	OIA-1677		1	125765	11/19/14 17:52	CAK	TAL PIT

Client Sample ID: SO-CB04-1114-U

Lab Sample ID: 480-71165-13

Date Collected: 11/11/14 11:45
Matrix: Water
Date Received: 11/11/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			213776	11/13/14 05:22	JLS	TAL BUF
Total/NA	Analysis	8270D		1	214609	11/18/14 18:37	DMR	TAL BUF
Total/NA	Prep	3005A			213637	11/13/14 08:23	TRP	TAL BUF

Client Sample ID: SO-CB04-1114-U

Lab Sample ID: 480-71165-13

Date Collected: 11/11/14 11:45

Matrix: Water

Date Received: 11/11/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	214065	11/13/14 15:11	AMH	TAL BUF
Total/NA	Prep	7470A			213504	11/12/14 09:00	LRK	TAL BUF
Total/NA	Analysis	7470A		1	213653	11/12/14 12:46	LRK	TAL BUF
Total/NA	Prep	9012B			215083	11/20/14 09:39	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:23	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	125763	11/19/14 12:51	CAK	TAL PIT

Client Sample ID: SO-CB04-1114-F

Lab Sample ID: 480-71165-14

Date Collected: 11/11/14 11:55

Matrix: Water

Date Received: 11/11/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			213776	11/13/14 05:22	JLS	TAL BUF
Total/NA	Analysis	8270D		1	214609	11/18/14 19:02	DMR	TAL BUF
Total/NA	Prep	3005A			213637	11/13/14 08:23	TRP	TAL BUF
Total/NA	Analysis	6010C		1	214065	11/13/14 15:14	AMH	TAL BUF
Total/NA	Prep	7470A			213504	11/12/14 09:00	LRK	TAL BUF
Total/NA	Analysis	7470A		1	213653	11/12/14 12:48	LRK	TAL BUF
Total/NA	Prep	9012B			215083	11/20/14 09:39	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:25	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	125763	11/19/14 12:53	CAK	TAL PIT

Client Sample ID: SO-CB05-1114-U

Lab Sample ID: 480-71165-15

Date Collected: 11/11/14 12:30

Matrix: Water

Date Received: 11/11/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			213776	11/13/14 05:22	JLS	TAL BUF
Total/NA	Analysis	8270D		1	214609	11/18/14 19:28	DMR	TAL BUF
Total/NA	Prep	3005A			213637	11/13/14 08:23	TRP	TAL BUF
Total/NA	Analysis	6010C		1	214065	11/13/14 15:17	AMH	TAL BUF
Total/NA	Prep	7470A			213504	11/12/14 09:00	LRK	TAL BUF
Total/NA	Analysis	7470A		1	213653	11/12/14 12:49	LRK	TAL BUF
Total/NA	Prep	9012B			215083	11/20/14 09:39	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:26	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	125763	11/19/14 12:54	CAK	TAL PIT

Client Sample ID: SO-CB05-1114-F

Lab Sample ID: 480-71165-16

Date Collected: 11/11/14 12:45

Matrix: Water

Date Received: 11/11/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			213776	11/13/14 05:22	JLS	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Client Sample ID: SO-CB05-1114-F
Date Collected: 11/11/14 12:45
Date Received: 11/11/14 15:55

Lab Sample ID: 480-71165-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	214609	11/18/14 19:53	DMR	TAL BUF
Total/NA	Prep	3005A			213637	11/13/14 08:23	TRP	TAL BUF
Total/NA	Analysis	6010C		1	214065	11/13/14 15:20	AMH	TAL BUF
Total/NA	Prep	7470A			213504	11/12/14 09:00	LRK	TAL BUF
Total/NA	Analysis	7470A		1	213653	11/12/14 12:51	LRK	TAL BUF
Total/NA	Prep	9012B			215083	11/20/14 09:39	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215137	11/20/14 14:28	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	125763	11/19/14 12:55	CAK	TAL PIT

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Solid	1,4-Dihydroxyanthraquinone
8270D	3550C	Solid	Hexadecane

Laboratory: TestAmerica Edison

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-15

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
OIA-1677	9013A	Solid	Cyanide, Available

Method Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
9016	Cyanide, Free	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
OIA-1677	Cyanide, Available (Flow Injection)	OI CORP	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

OI CORP = OI Corporation Instrument Manual.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71165-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-71165-1	SW-CB02-1114-U	Water	11/11/14 09:20	11/11/14 15:55
480-71165-2	SW-CB02-1114-F	Water	11/11/14 09:35	11/11/14 15:55
480-71165-3	SW-CB03-1114-F	Water	11/11/14 10:30	11/11/14 15:55
480-71165-4	SW-CB03-1114-U	Water	11/11/14 10:20	11/11/14 15:55
480-71165-5	SW-BD01-1114-U	Water	11/11/14 10:40	11/11/14 15:55
480-71165-6	SO-09-1114-16-20	Solid	11/11/14 11:45	11/11/14 15:55
480-71165-7	SO-BD-01-1114-0-4	Solid	11/11/14 12:20	11/11/14 15:55
480-71165-8	SO-10-1114-0-4	Solid	11/11/14 12:20	11/11/14 15:55
480-71165-9	SO-10-1114-4-8	Solid	11/11/14 12:30	11/11/14 15:55
480-71165-10	SO-10-1114-8-12	Solid	11/11/14 12:40	11/11/14 15:55
480-71165-11	SO-10-1114-12-16	Solid	11/11/14 12:50	11/11/14 15:55
480-71165-12	SO-10-1114-16-20	Solid	11/11/14 13:00	11/11/14 15:55
480-71165-13	SO-CB04-1114-U	Water	11/11/14 11:45	11/11/14 15:55
480-71165-14	SO-CB04-1114-F	Water	11/11/14 11:55	11/11/14 15:55
480-71165-15	SO-CB05-1114-U	Water	11/11/14 12:30	11/11/14 15:55
480-71165-16	SO-CB05-1114-F	Water	11/11/14 12:45	11/11/14 15:55

Chain of Custody Record

480-71165 Chain of Custody

Receipt _____

? Yes☐ No☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client		Date	Chain of Custody Number
NYSDEC	Heidi Dudek		278873
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
625 Broadway	518-402-9813		

City	State	Zip Code	Site Contact	Lab Contact
Albany	NY	12233-7017	Amy Pavas	Brian Fischer

Project Name and Location (State)	Carrier/Waybill Number
BCP CN Trackdown	

Contract/Purchase Order/Quote No.: Site No. 915934, Lab Call Out

Analysis (Attach list if more space is needed): Avail CN; Total CN; TCL SVOCs +20; Hg, TAL Metals; Free CN

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Avail CN	Total CN	TCL SVOCs +20	Hg, TAL Metals	Free CN
SW-CB02-1114-U	11/11/14	09:20		X			X		X		X		X	X	X	X	
SW-CB02-1114-F	11/11/14	09:35		X			X		X		X		X	X	X	X	
SW-CB02-1114-MS/MSD-U	11/11/14	09:40		X			X		X		X		X	X	X	X	
SW-CB03-1114-U	11/11/14	10:20		X			X		X		X		X	X	X	X	
SW-CB03-1114-F	11/11/14	10:30		X			X		X		X		X	X	X	X	
SW-BD01-1114-U	11/11/14	10:40		X			X		X		X		X	X	X	X	
SO-09-1114-16-20	11/11/14	11:45				X	X						X	X	X	X	X
SO-BD-01-1114-0-4	11/11/14	12:20				X	X						X	X	X	X	X
SO-10-1114-0-4	11/11/14	12:20				X	X						X	X	X	X	X
SO-10-1114-4-8	11/11/14	12:30				X	X						X	X	X	X	X
SO-10-1114-8-12	11/11/14	12:40				X	X						X	X	X	X	X
SO-10-1114-12-16	11/11/14	12:50				X	X						X	X	X	X	X

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	Amy Pavas	11/11/14	14:45		11/11/14	1545
2.		11/11/14	1555		11/11/14	1555
3.		Date	Time		Date	Time

Comments: 2.6, 2.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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12/9/2014

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC	Heidi Duder	11-11-14	278875
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page _____ of _____**
625 Broadway	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Pickens	Brian Fisher	
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP CN Trackdown, Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site No. 915193A, Parcel 4, Lab Call out			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Free CN	Avail CN	TCL, SVOC, SIM 20	Hg, TAL Metal	Total CN	Special Instructions/ Conditions of Receipt
SO-16-1114-16-20	11/11/14	13:00				X	X		HNO3				X	X	X	X	X	
SW-CB04-1114-G	11/11/14	11:45	X	X			X		X		X	X		X	X	X	X	
SW-CB04-1114-F	11/11/14*	11:55	X	X			X		X		X	X		X	X	X	X	
SW-CB-05-1114-G	11/11/14	12:30		X			X		X		X	X		X	X	X	X	
SW-CB05-1114-F	11/11/14	12:45		X			X		X		X	X		X	X	X	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: David Pikin	11-11-14	15:08	1. Received By:	11/11/14	1515
2. Relinquished By:	11/11/14	1555	2. Received By:	11/11/14	1555
3. Relinquished By:			3. Received By:		

Comments

7.8, 2.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

12/9/2014

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21383.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.corn		Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-71165-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/21/2014			Preservation Codes:
City: Pittsburgh	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677	1677/9013A	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SW-CB02-1114-U (480-71165-1)	11/11/14	09:20 Eastern		Water			X		1	
SW-CB02-1114-U (480-71165-1MS)	11/11/14	09:20 Eastern	MS	Water			X		1	shared volume QC
SW-CB02-1114-U (480-71165-1MSD)	11/11/14	09:20 Eastern	MSD	Water			X		1	shared volume QC
SW-CB02-1114-F (480-71165-2)	11/11/14	09:35 Eastern		Water			X		1	
SW-CB03-1114-F (480-71165-3)	11/11/14	10:20 Eastern		Water			X		1	
SW-CB03-1114-U (480-71165-4)	11/11/14	10:30 Eastern		Water			X		1	
SW-BD01-1114-U (480-71165-5)	11/11/14	10:40 Eastern		Water			X		1	
SO-09-1114-16-20 (480-71165-6)	11/11/14	11:45 Eastern		Solid				X	1	
SO-BD-01-1114-0-4 (480-71165-7)	11/11/14	12:20 Eastern		Solid				X	1	
SO-10-01-1114-0-4 (480-71165-8)	11/11/14	12:20 Eastern		Solid				X	1	
SO-10-01-1114-4-8 (480-71165-9)	11/11/14	12:30 Eastern		Solid				X	1	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Cameron Wallace	11/12/14 1700	TAB	[illegible] Norton	11-13-14 8:45	TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21383.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-71165-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/21/2014			Preservation Codes:
City: Pittsburgh	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify)
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677	1677/9013A	Total Number of containers	Special Instructions/Note:
			Preservation Code							
SO-10-01-1114-8-12 (480-71165-10)	11/11/14	12:40 Eastern		Solid				X		
SO-10-01-1114-12-16 (480-71165-11)	11/11/14	12:50 Eastern		Solid				X		
SO-10-01-1114-16-20 (480-71165-12)	11/11/14	13:00 Eastern		Solid				X		
SO-CB04-1114-U (480-71165-13)	11/11/14	11:45 Eastern		Water			X			
SO-CB04-1114-F (480-71165-14)	11/11/14	11:55 Eastern		Water			X			
SO-CB05-1114-U (480-71165-15)	11/11/14	12:30 Eastern		Water			X			
SO-CB05-1114-F (480-71165-16)	11/11/14	12:45 Eastern		Water			X			

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Cameron Wallace	11\12\14 1100	TAB	D Watson	11-13-14 8:45	TAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-71165 Chain of Custody

TestAmerica
LEADER IN ENVIRONMENTAL TESTING

12/9/2014

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	x: 1382.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com	Page 1 of 1
Company: TestAmerica Laboratories, Inc.		**Analysis Requested**	Job #: 480-71165-1
Address: 777 New Durham Road, ,	Due Date Requested: 11/14/2014		**Preservation Codes:**
City: Edison	TAT Requested (days):		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NJ, 08817			
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:		Other:
Email:	WO #:		
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749		
Site:	SSOW#:		

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Moisture	9016/9016_ExtPrep	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SO-09-1114-16-20 (480-71165-6)	11/11/14	11:45 Eastern		Solid			X	X	1	
SO-BD-01-1114-0-4 (480-71165-7)	11/11/14	12:20 Eastern		Solid			X	X	1	
SO-10-01-1114-0-4 (480-71165-8)	11/11/14	12:20 Eastern		Solid			X	X	1	
SO-10-01-1114-4-8 (480-71165-9)	11/11/14	12:30 Eastern		Solid			X	X	1	
SO-10-01-1114-8-12 (480-71165-10)	11/11/14	12:40 Eastern		Solid			X	X	1	
SO-10-01-1114-12-16 (480-71165-11)	11/11/14	12:50 Eastern		Solid			X	X	1	
SO-10-01-1114-16-20 (480-71165-12)	11/11/14	13:00 Eastern		Solid			X	X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Cameron Wallace	Date/Time: 11/12/14 1700	Company TAB	Received by: fedex	Date/Time:	Company	
Relinquished by: fedex	Date/Time:	Company	Received by:	Date/Time: 11/13/14 09:30	Company TAB	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 233437	Cooler Temperature(s) °C and Other Remarks: 3.6 / 3.6 - IR

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71165-1

Login Number: 71165

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	DEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71165-1

Login Number: 71165
List Number: 4
Creator: Villadarez, Gerson Timothy S

List Source: TestAmerica Edison
List Creation: 11/13/14 04:10 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	233437
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.6°C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71165-1

Login Number: 71165
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 11/13/14 02:22 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71165-1

Login Number: 71165
List Number: 3
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 11/13/14 02:32 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-71249-1
Client Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Joseph V. Giacomazza

Authorized for release by:
12/9/2014 1:44:11 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

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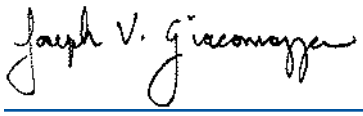
Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
12/9/2014 1:44:11 PM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-71249-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-71249-1

Receipt
The samples were received on 11/12/2014 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS Semi VOA
Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 214152 recovered outside control limits for the following analytes: 4,6-Dintro-2-methyl phenol, Benzo(g,h,i) perylene, Carbazole and Indeno(1,2,3-cd) pyrene. The large number of analytes included in the laboratory control sample (LCS) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample(s) contained an allowable number of surrogate compounds outside limits: SW-CB08-1114-F (480-71249-5), SW-CB12-1114-U (480-71249-12). These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 216898 recovered above the upper control limit for Carbazole. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-216898/11).

Method(s) 8270D: The analyte Benzaldehyde was outside of routine calibration acceptance limits for the initial calibration curve in analytical batch 215724. As per the method, the calibration model is acceptable as long as no more than 20% of analytes fail acceptance limits. All results for Benzaldehyde should be considered estimates. (CCV 480-216669/4) and (CCV 480-216898/11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The continuing calibration verification (CCV) associated with batch 480-215561 recovered above the upper control limit for Total Copper. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SW-CB11-1114-F (480-71249-9), SW-CB11-1114-U (480-71249-10), SW-CB12-1114-F (480-71249-11), SW-CB12-1114-U (480-71249-12).

Method(s) 6010C: The low level continuing calibration verification (CCVL) recovered above the upper control limit for Total Manganese. The sample(s) (480-71249-1 MS), (480-71249-1 MSD), (480-71249-1 PDS), (480-71249-1 SD), (LCS 480-213934/2-A), (MB 480-213934/1-A), SW-CB06-1114-F (480-71249-1), SW-CB06-1114-U (480-71249-2), SW-CB07-1114-F (480-71249-3), SW-CB07-1114-U (480-71249-4), SW-CB08-1114-F (480-71249-5), SW-CB08-1114-U (480-71249-6), SW-CB10-1114-F (480-71249-7), SW-CB10-1114-U (480-71249-8), SW-CB11-1114-F (480-71249-9), SW-CB11-1114-U (480-71249-10), SW-CB12-1114-F (480-71249-11) associated with this CCVL were either ND or less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL) recovered above the upper control limit for Total Iron. The sample(s) (480-71249-1 MS), (480-71249-1 MSD), SW-CB06-1114-U (480-71249-2), SW-CB11-1114-F (480-71249-9), SW-CB11-1114-U (480-71249-10), SW-CB12-1114-F (480-71249-11), SW-CB12-1114-U (480-71249-12) associated with this CCVL were either ND or less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB06-1114-F
Date Collected: 11/11/14 15:50
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		11/14/14 12:12	12/02/14 16:35	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		11/14/14 12:12	12/02/14 16:35	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		11/14/14 12:12	12/02/14 16:35	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		11/14/14 12:12	12/02/14 16:35	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		11/14/14 12:12	12/02/14 16:35	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		11/14/14 12:12	12/02/14 16:35	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		11/14/14 12:12	12/02/14 16:35	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		11/14/14 12:12	12/02/14 16:35	1
2-Chlorophenol	ND		5.1	0.54	ug/L		11/14/14 12:12	12/02/14 16:35	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		11/14/14 12:12	12/02/14 16:35	1
2-Methylphenol	ND		5.1	0.41	ug/L		11/14/14 12:12	12/02/14 16:35	1
2-Nitroaniline	ND		10	0.43	ug/L		11/14/14 12:12	12/02/14 16:35	1
2-Nitrophenol	ND		5.1	0.49	ug/L		11/14/14 12:12	12/02/14 16:35	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		11/14/14 12:12	12/02/14 16:35	1
3-Nitroaniline	ND		10	0.49	ug/L		11/14/14 12:12	12/02/14 16:35	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		11/14/14 12:12	12/02/14 16:35	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		11/14/14 12:12	12/02/14 16:35	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		11/14/14 12:12	12/02/14 16:35	1
4-Chloroaniline	ND		5.1	0.60	ug/L		11/14/14 12:12	12/02/14 16:35	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		11/14/14 12:12	12/02/14 16:35	1
4-Methylphenol	**0.41**	**J**	10	0.37	ug/L		11/14/14 12:12	12/02/14 16:35	1
4-Nitroaniline	ND		10	0.26	ug/L		11/14/14 12:12	12/02/14 16:35	1
4-Nitrophenol	ND		10	1.6	ug/L		11/14/14 12:12	12/02/14 16:35	1
Acenaphthene	ND		5.1	0.42	ug/L		11/14/14 12:12	12/02/14 16:35	1
Acenaphthylene	ND		5.1	0.39	ug/L		11/14/14 12:12	12/02/14 16:35	1
Acetophenone	ND		5.1	0.55	ug/L		11/14/14 12:12	12/02/14 16:35	1
Anthracene	ND		5.1	0.29	ug/L		11/14/14 12:12	12/02/14 16:35	1
Atrazine	ND		5.1	0.47	ug/L		11/14/14 12:12	12/02/14 16:35	1
Benzaldehyde	**1.3**	**J B**	5.1	0.27	ug/L		11/14/14 12:12	12/02/14 16:35	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		11/14/14 12:12	12/02/14 16:35	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		11/14/14 12:12	12/02/14 16:35	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		11/14/14 12:12	12/02/14 16:35	1
Benzo[g,h,i]perylene	ND	*	5.1	0.36	ug/L		11/14/14 12:12	12/02/14 16:35	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		11/14/14 12:12	12/02/14 16:35	1
Biphenyl	ND		5.1	0.67	ug/L		11/14/14 12:12	12/02/14 16:35	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		11/14/14 12:12	12/02/14 16:35	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		11/14/14 12:12	12/02/14 16:35	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		11/14/14 12:12	12/02/14 16:35	1
Bis(2-ethylhexyl) phthalate	**3.0**	**J B**	5.1	1.8	ug/L		11/14/14 12:12	12/02/14 16:35	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		11/14/14 12:12	12/02/14 16:35	1
Caprolactam	ND		5.1	2.3	ug/L		11/14/14 12:12	12/02/14 16:35	1
Carbazole	ND	*	5.1	0.31	ug/L		11/14/14 12:12	12/02/14 16:35	1
Chrysene	ND		5.1	0.34	ug/L		11/14/14 12:12	12/02/14 16:35	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		11/14/14 12:12	12/02/14 16:35	1
Dibenzofuran	ND		10	0.52	ug/L		11/14/14 12:12	12/02/14 16:35	1
Diethyl phthalate	ND		5.1	0.23	ug/L		11/14/14 12:12	12/02/14 16:35	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		11/14/14 12:12	12/02/14 16:35	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		11/14/14 12:12	12/02/14 16:35	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		11/14/14 12:12	12/02/14 16:35	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB06-1114-F
Date Collected: 11/11/14 15:50
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		11/14/14 12:12	12/02/14 16:35	1
Fluorene	ND		5.1	0.37	ug/L		11/14/14 12:12	12/02/14 16:35	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		11/14/14 12:12	12/02/14 16:35	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		11/14/14 12:12	12/02/14 16:35	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		11/14/14 12:12	12/02/14 16:35	1
Hexachloroethane	ND		5.1	0.60	ug/L		11/14/14 12:12	12/02/14 16:35	1
Indeno[1,2,3-cd]pyrene	ND	*	5.1	0.48	ug/L		11/14/14 12:12	12/02/14 16:35	1
Isophorone	ND		5.1	0.44	ug/L		11/14/14 12:12	12/02/14 16:35	1
Naphthalene	ND		5.1	0.78	ug/L		11/14/14 12:12	12/02/14 16:35	1
Nitrobenzene	ND		5.1	0.30	ug/L		11/14/14 12:12	12/02/14 16:35	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		11/14/14 12:12	12/02/14 16:35	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		11/14/14 12:12	12/02/14 16:35	1
Pentachlorophenol	ND		10	2.3	ug/L		11/14/14 12:12	12/02/14 16:35	1
Phenanthrene	ND		5.1	0.45	ug/L		11/14/14 12:12	12/02/14 16:35	1
Phenol	ND		5.1	0.40	ug/L		11/14/14 12:12	12/02/14 16:35	1
Pyrene	ND		5.1	0.35	ug/L		11/14/14 12:12	12/02/14 16:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*150*	*T J B*	*ug/L*		*3.74*		*11/14/14 12:12*	*12/02/14 16:35*	*1*
Pyridine	*0.71*	*J B*	*ug/L*		*4.20*	*110-86-1*	*11/14/14 12:12*	*12/02/14 16:35*	*1*
Unknown	*27*	*T J B*	*ug/L*		*4.92*		*11/14/14 12:12*	*12/02/14 16:35*	*1*
Unknown	*7.1*	*T J B*	*ug/L*		*6.21*		*11/14/14 12:12*	*12/02/14 16:35*	*1*
D-Limonene	*3.5*	*T J N B*	*ug/L*		*6.25*	*5989-27-5*	*11/14/14 12:12*	*12/02/14 16:35*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*7.00*		*11/14/14 12:12*	*12/02/14 16:35*	*1*
n-Hexadecanoic acid	*5.7*	*T J N B*	*ug/L*		*10.34*	*57-10-3*	*11/14/14 12:12*	*12/02/14 16:35*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*10.57*		*11/14/14 12:12*	*12/02/14 16:35*	*1*
Octadecanoic acid	*7.0*	*T J N B*	*ug/L*		*10.99*	*57-11-4*	*11/14/14 12:12*	*12/02/14 16:35*	*1*
Unknown	*7.1*	*T J B*	*ug/L*		*11.43*		*11/14/14 12:12*	*12/02/14 16:35*	*1*
Unknown	*13*	*T J B*	*ug/L*		*11.79*		*11/14/14 12:12*	*12/02/14 16:35*	*1*
Unknown	*3.5*	*T J B*	*ug/L*		*12.14*		*11/14/14 12:12*	*12/02/14 16:35*	*1*
Unknown	*13*	*T J B*	*ug/L*		*12.40*		*11/14/14 12:12*	*12/02/14 16:35*	*1*
Unknown	*5.3*	*T J B*	*ug/L*		*13.23*		*11/14/14 12:12*	*12/02/14 16:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*52 - 132*	*11/14/14 12:12*	*12/02/14 16:35*	*1*
2-Fluorobiphenyl	*99*		*48 - 120*	*11/14/14 12:12*	*12/02/14 16:35*	*1*
2-Fluorophenol (Surr)	*115*		*20 - 120*	*11/14/14 12:12*	*12/02/14 16:35*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 120*	*11/14/14 12:12*	*12/02/14 16:35*	*1*
Phenol-d5 (Surr)	*74*		*16 - 120*	*11/14/14 12:12*	*12/02/14 16:35*	*1*
p-Terphenyl-d14 (Surr)	*99*		*67 - 150*	*11/14/14 12:12*	*12/02/14 16:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 08:13	11/17/14 20:24	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 08:13	11/17/14 20:24	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 08:13	11/17/14 20:24	1
Barium	**0.17**		0.0020	0.00070	mg/L		11/14/14 08:13	11/17/14 20:24	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 08:13	11/17/14 20:24	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 08:13	11/17/14 20:24	1
Calcium	**260**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 20:24	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB06-1114-F
Date Collected: 11/11/14 15:50
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 08:13	11/17/14 20:24	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 08:13	11/17/14 20:24	1
Copper	ND		0.010	0.0016	mg/L		11/14/14 08:13	11/17/14 20:24	1
Iron	ND		0.050	0.019	mg/L		11/14/14 08:13	11/17/14 20:24	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 08:13	11/17/14 20:24	1
Magnesium	**0.43**		0.20	0.043	mg/L		11/14/14 08:13	11/17/14 20:24	1
Manganese	**0.00084**	**J ^**	0.0030	0.00040	mg/L		11/14/14 08:13	11/17/14 20:24	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 08:13	11/17/14 20:24	1
Potassium	**17.6**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 20:24	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 08:13	11/17/14 20:24	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 08:13	11/17/14 20:24	1
Sodium	**52.8**		1.0	0.32	mg/L		11/14/14 08:13	11/17/14 20:24	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 08:13	11/17/14 20:24	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 08:13	11/17/14 20:24	1
Zinc	**0.0033**	**J B**	0.010	0.0015	mg/L		11/14/14 08:13	11/17/14 20:24	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 08:15	11/14/14 13:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/22/14 08:42	11/24/14 12:33	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 11:33	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB06-1114-U
Date Collected: 11/11/14 15:30
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		11/14/14 12:12	12/02/14 17:01	1
2,4,6-Trichlorophenol	ND		5.3	0.64	ug/L		11/14/14 12:12	12/02/14 17:01	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		11/14/14 12:12	12/02/14 17:01	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		11/14/14 12:12	12/02/14 17:01	1
2,4-Dinitrophenol	ND		11	2.3	ug/L		11/14/14 12:12	12/02/14 17:01	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		11/14/14 12:12	12/02/14 17:01	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		11/14/14 12:12	12/02/14 17:01	1
2-Chloronaphthalene	ND		5.3	0.48	ug/L		11/14/14 12:12	12/02/14 17:01	1
2-Chlorophenol	ND		5.3	0.56	ug/L		11/14/14 12:12	12/02/14 17:01	1
2-Methylnaphthalene	ND		5.3	0.63	ug/L		11/14/14 12:12	12/02/14 17:01	1
2-Methylphenol	ND		5.3	0.42	ug/L		11/14/14 12:12	12/02/14 17:01	1
2-Nitroaniline	ND		11	0.44	ug/L		11/14/14 12:12	12/02/14 17:01	1
2-Nitrophenol	ND		5.3	0.51	ug/L		11/14/14 12:12	12/02/14 17:01	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		11/14/14 12:12	12/02/14 17:01	1
3-Nitroaniline	ND		11	0.51	ug/L		11/14/14 12:12	12/02/14 17:01	1
4,6-Dinitro-2-methylphenol	ND	*	11	2.3	ug/L		11/14/14 12:12	12/02/14 17:01	1
4-Bromophenyl phenyl ether	ND		5.3	0.47	ug/L		11/14/14 12:12	12/02/14 17:01	1
4-Chloro-3-methylphenol	ND		5.3	0.47	ug/L		11/14/14 12:12	12/02/14 17:01	1
4-Chloroaniline	ND		5.3	0.62	ug/L		11/14/14 12:12	12/02/14 17:01	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		11/14/14 12:12	12/02/14 17:01	1
4-Methylphenol	ND		11	0.38	ug/L		11/14/14 12:12	12/02/14 17:01	1
4-Nitroaniline	ND		11	0.26	ug/L		11/14/14 12:12	12/02/14 17:01	1
4-Nitrophenol	ND		11	1.6	ug/L		11/14/14 12:12	12/02/14 17:01	1
Acenaphthene	ND		5.3	0.43	ug/L		11/14/14 12:12	12/02/14 17:01	1
Acenaphthylene	ND		5.3	0.40	ug/L		11/14/14 12:12	12/02/14 17:01	1
Acetophenone	ND		5.3	0.57	ug/L		11/14/14 12:12	12/02/14 17:01	1
Anthracene	ND		5.3	0.29	ug/L		11/14/14 12:12	12/02/14 17:01	1
Atrazine	ND		5.3	0.48	ug/L		11/14/14 12:12	12/02/14 17:01	1
Benzaldehyde	**1.0**	**J B**	5.3	0.28	ug/L		11/14/14 12:12	12/02/14 17:01	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		11/14/14 12:12	12/02/14 17:01	1
Benzo[a]pyrene	ND		5.3	0.49	ug/L		11/14/14 12:12	12/02/14 17:01	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		11/14/14 12:12	12/02/14 17:01	1
Benzo[g,h,i]perylene	ND	*	5.3	0.37	ug/L		11/14/14 12:12	12/02/14 17:01	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		11/14/14 12:12	12/02/14 17:01	1
Biphenyl	ND		5.3	0.69	ug/L		11/14/14 12:12	12/02/14 17:01	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		11/14/14 12:12	12/02/14 17:01	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		11/14/14 12:12	12/02/14 17:01	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		11/14/14 12:12	12/02/14 17:01	1
Bis(2-ethylhexyl) phthalate	**2.9**	**J B**	5.3	1.9	ug/L		11/14/14 12:12	12/02/14 17:01	1
Butyl benzyl phthalate	ND		5.3	0.44	ug/L		11/14/14 12:12	12/02/14 17:01	1
Caprolactam	ND		5.3	2.3	ug/L		11/14/14 12:12	12/02/14 17:01	1
Carbazole	ND	*	5.3	0.32	ug/L		11/14/14 12:12	12/02/14 17:01	1
Chrysene	ND		5.3	0.35	ug/L		11/14/14 12:12	12/02/14 17:01	1
Dibenz(a,h)anthracene	ND		5.3	0.44	ug/L		11/14/14 12:12	12/02/14 17:01	1
Dibenzofuran	ND		11	0.54	ug/L		11/14/14 12:12	12/02/14 17:01	1
Diethyl phthalate	ND		5.3	0.23	ug/L		11/14/14 12:12	12/02/14 17:01	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		11/14/14 12:12	12/02/14 17:01	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		11/14/14 12:12	12/02/14 17:01	1
Di-n-octyl phthalate	ND		5.3	0.49	ug/L		11/14/14 12:12	12/02/14 17:01	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB06-1114-U
Date Collected: 11/11/14 15:30
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.42	ug/L		11/14/14 12:12	12/02/14 17:01	1
Fluorene	ND		5.3	0.38	ug/L		11/14/14 12:12	12/02/14 17:01	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		11/14/14 12:12	12/02/14 17:01	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		11/14/14 12:12	12/02/14 17:01	1
Hexachlorocyclopentadiene	ND		5.3	0.62	ug/L		11/14/14 12:12	12/02/14 17:01	1
Hexachloroethane	ND		5.3	0.62	ug/L		11/14/14 12:12	12/02/14 17:01	1
Indeno[1,2,3-cd]pyrene	ND	*	5.3	0.49	ug/L		11/14/14 12:12	12/02/14 17:01	1
Isophorone	ND		5.3	0.45	ug/L		11/14/14 12:12	12/02/14 17:01	1
Naphthalene	ND		5.3	0.80	ug/L		11/14/14 12:12	12/02/14 17:01	1
Nitrobenzene	ND		5.3	0.31	ug/L		11/14/14 12:12	12/02/14 17:01	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		11/14/14 12:12	12/02/14 17:01	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		11/14/14 12:12	12/02/14 17:01	1
Pentachlorophenol	ND		11	2.3	ug/L		11/14/14 12:12	12/02/14 17:01	1
Phenanthrene	ND		5.3	0.46	ug/L		11/14/14 12:12	12/02/14 17:01	1
Phenol	ND		5.3	0.41	ug/L		11/14/14 12:12	12/02/14 17:01	1
Pyrene	ND		5.3	0.36	ug/L		11/14/14 12:12	12/02/14 17:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*19*	*T J N*	*ug/L*		*3.63*	*110-82-7*	*11/14/14 12:12*	*12/02/14 17:01*	*1*
Unknown	*110*	*T J B*	*ug/L*		*3.72*		*11/14/14 12:12*	*12/02/14 17:01*	*1*
Pyridine	*0.45*	*J B*	*ug/L*		*4.19*	*110-86-1*	*11/14/14 12:12*	*12/02/14 17:01*	*1*
Unknown	*8.2*	*T J B*	*ug/L*		*4.91*		*11/14/14 12:12*	*12/02/14 17:01*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*5.85*		*11/14/14 12:12*	*12/02/14 17:01*	*1*
Unknown	*4.7*	*T J B*	*ug/L*		*6.20*		*11/14/14 12:12*	*12/02/14 17:01*	*1*
D-Limonene	*3.5*	*T J N B*	*ug/L*		*6.24*	*5989-27-5*	*11/14/14 12:12*	*12/02/14 17:01*	*1*
Tetradecanoic acid	*4.4*	*T J N B*	*ug/L*		*10.33*	*544-63-8*	*11/14/14 12:12*	*12/02/14 17:01*	*1*
Octadecanoic acid	*6.0*	*T J N B*	*ug/L*		*10.98*	*57-11-4*	*11/14/14 12:12*	*12/02/14 17:01*	*1*
Unknown	*5.2*	*T J B*	*ug/L*		*11.43*		*11/14/14 12:12*	*12/02/14 17:01*	*1*
9-Octadecenamide	*74*	*J E B*	*ug/L*		*11.79*	*301-02-0*	*11/14/14 12:12*	*12/02/14 17:01*	*1*
Unknown	*2.9*	*T J B*	*ug/L*		*12.13*		*11/14/14 12:12*	*12/02/14 17:01*	*1*
Unknown	*12*	*T J B*	*ug/L*		*12.40*		*11/14/14 12:12*	*12/02/14 17:01*	*1*
Unknown	*4.7*	*T J B*	*ug/L*		*13.23*		*11/14/14 12:12*	*12/02/14 17:01*	*1*
Unknown	*18*	*T J*	*ug/L*		*13.54*		*11/14/14 12:12*	*12/02/14 17:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*52 - 132*	*11/14/14 12:12*	*12/02/14 17:01*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*11/14/14 12:12*	*12/02/14 17:01*	*1*
2-Fluorophenol (Surr)	*89*		*20 - 120*	*11/14/14 12:12*	*12/02/14 17:01*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*11/14/14 12:12*	*12/02/14 17:01*	*1*
Phenol-d5 (Surr)	*52*		*16 - 120*	*11/14/14 12:12*	*12/02/14 17:01*	*1*
p-Terphenyl-d14 (Surr)	*92*		*67 - 150*	*11/14/14 12:12*	*12/02/14 17:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 08:13	11/17/14 20:46	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 08:13	11/17/14 20:46	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 08:13	11/17/14 20:46	1
Barium	**0.17**		0.0020	0.00070	mg/L		11/14/14 08:13	11/17/14 20:46	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 08:13	11/17/14 20:46	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 08:13	11/17/14 20:46	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB06-1114-U
Date Collected: 11/11/14 15:30
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**258**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 20:46	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 08:13	11/17/14 20:46	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 08:13	11/17/14 20:46	1
Copper	ND		0.010	0.0016	mg/L		11/14/14 08:13	11/17/14 20:46	1
Iron	**0.038**	**J ^**	0.050	0.019	mg/L		11/14/14 08:13	11/17/14 20:46	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 08:13	11/17/14 20:46	1
Magnesium	**0.98**		0.20	0.043	mg/L		11/14/14 08:13	11/17/14 20:46	1
Manganese	**0.064**	**^**	0.0030	0.00040	mg/L		11/14/14 08:13	11/17/14 20:46	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 08:13	11/17/14 20:46	1
Potassium	**17.5**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 20:46	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 08:13	11/17/14 20:46	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 08:13	11/17/14 20:46	1
Sodium	**53.4**		1.0	0.32	mg/L		11/14/14 08:13	11/17/14 20:46	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 08:13	11/17/14 20:46	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 08:13	11/17/14 20:46	1
Zinc	**0.0029**	**J B**	0.010	0.0015	mg/L		11/14/14 08:13	11/17/14 20:46	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 08:15	11/14/14 13:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/22/14 08:42	11/24/14 12:35	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 11:35	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB07-1114-F
Date Collected: 11/11/14 17:00
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		11/14/14 12:12	12/03/14 17:29	1
2,4,6-Trichlorophenol	ND		5.3	0.65	ug/L		11/14/14 12:12	12/03/14 17:29	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		11/14/14 12:12	12/03/14 17:29	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		11/14/14 12:12	12/03/14 17:29	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		11/14/14 12:12	12/03/14 17:29	1
2,4-Dinitrotoluene	ND		5.3	0.48	ug/L		11/14/14 12:12	12/03/14 17:29	1
2,6-Dinitrotoluene	ND		5.3	0.43	ug/L		11/14/14 12:12	12/03/14 17:29	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		11/14/14 12:12	12/03/14 17:29	1
2-Chlorophenol	ND		5.3	0.57	ug/L		11/14/14 12:12	12/03/14 17:29	1
2-Methylnaphthalene	ND		5.3	0.64	ug/L		11/14/14 12:12	12/03/14 17:29	1
2-Methylphenol	ND		5.3	0.43	ug/L		11/14/14 12:12	12/03/14 17:29	1
2-Nitroaniline	ND		11	0.45	ug/L		11/14/14 12:12	12/03/14 17:29	1
2-Nitrophenol	ND		5.3	0.51	ug/L		11/14/14 12:12	12/03/14 17:29	1
3,3'-Dichlorobenzidine	ND		5.3	0.43	ug/L		11/14/14 12:12	12/03/14 17:29	1
3-Nitroaniline	ND		11	0.51	ug/L		11/14/14 12:12	12/03/14 17:29	1
4,6-Dinitro-2-methylphenol	ND	*	11	2.3	ug/L		11/14/14 12:12	12/03/14 17:29	1
4-Bromophenyl phenyl ether	ND		5.3	0.48	ug/L		11/14/14 12:12	12/03/14 17:29	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		11/14/14 12:12	12/03/14 17:29	1
4-Chloroaniline	ND		5.3	0.63	ug/L		11/14/14 12:12	12/03/14 17:29	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		11/14/14 12:12	12/03/14 17:29	1
4-Methylphenol	**1.8**	**J**	11	0.38	ug/L		11/14/14 12:12	12/03/14 17:29	1
4-Nitroaniline	ND		11	0.27	ug/L		11/14/14 12:12	12/03/14 17:29	1
4-Nitrophenol	ND		11	1.6	ug/L		11/14/14 12:12	12/03/14 17:29	1
Acenaphthene	ND		5.3	0.44	ug/L		11/14/14 12:12	12/03/14 17:29	1
Acenaphthylene	ND		5.3	0.41	ug/L		11/14/14 12:12	12/03/14 17:29	1
Acetophenone	ND		5.3	0.58	ug/L		11/14/14 12:12	12/03/14 17:29	1
Anthracene	ND		5.3	0.30	ug/L		11/14/14 12:12	12/03/14 17:29	1
Atrazine	ND		5.3	0.49	ug/L		11/14/14 12:12	12/03/14 17:29	1
Benzaldehyde	**1.4**	**J B**	5.3	0.29	ug/L		11/14/14 12:12	12/03/14 17:29	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		11/14/14 12:12	12/03/14 17:29	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		11/14/14 12:12	12/03/14 17:29	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		11/14/14 12:12	12/03/14 17:29	1
Benzo[g,h,i]perylene	ND	*	5.3	0.37	ug/L		11/14/14 12:12	12/03/14 17:29	1
Benzo[k]fluoranthene	ND		5.3	0.78	ug/L		11/14/14 12:12	12/03/14 17:29	1
Biphenyl	ND		5.3	0.70	ug/L		11/14/14 12:12	12/03/14 17:29	1
bis (2-chloroisopropyl) ether	ND		5.3	0.56	ug/L		11/14/14 12:12	12/03/14 17:29	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		11/14/14 12:12	12/03/14 17:29	1
Bis(2-chloroethyl)ether	ND		5.3	0.43	ug/L		11/14/14 12:12	12/03/14 17:29	1
Bis(2-ethylhexyl) phthalate	**3.4**	**J B**	5.3	1.9	ug/L		11/14/14 12:12	12/03/14 17:29	1
Butyl benzyl phthalate	ND		5.3	0.45	ug/L		11/14/14 12:12	12/03/14 17:29	1
Caprolactam	ND		5.3	2.3	ug/L		11/14/14 12:12	12/03/14 17:29	1
Carbazole	ND	*	5.3	0.32	ug/L		11/14/14 12:12	12/03/14 17:29	1
Chrysene	ND		5.3	0.35	ug/L		11/14/14 12:12	12/03/14 17:29	1
Dibenz(a,h)anthracene	ND		5.3	0.45	ug/L		11/14/14 12:12	12/03/14 17:29	1
Dibenzofuran	ND		11	0.54	ug/L		11/14/14 12:12	12/03/14 17:29	1
Diethyl phthalate	ND		5.3	0.23	ug/L		11/14/14 12:12	12/03/14 17:29	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		11/14/14 12:12	12/03/14 17:29	1
Di-n-butyl phthalate	**0.46**	**J**	5.3	0.33	ug/L		11/14/14 12:12	12/03/14 17:29	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		11/14/14 12:12	12/03/14 17:29	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB07-1114-F
Date Collected: 11/11/14 17:00
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.43	ug/L		11/14/14 12:12	12/03/14 17:29	1
Fluorene	ND		5.3	0.38	ug/L		11/14/14 12:12	12/03/14 17:29	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		11/14/14 12:12	12/03/14 17:29	1
Hexachlorobutadiene	ND		5.3	0.73	ug/L		11/14/14 12:12	12/03/14 17:29	1
Hexachlorocyclopentadiene	ND		5.3	0.63	ug/L		11/14/14 12:12	12/03/14 17:29	1
Hexachloroethane	ND		5.3	0.63	ug/L		11/14/14 12:12	12/03/14 17:29	1
Indeno[1,2,3-cd]pyrene	ND	*	5.3	0.50	ug/L		11/14/14 12:12	12/03/14 17:29	1
Isophorone	ND		5.3	0.46	ug/L		11/14/14 12:12	12/03/14 17:29	1
Naphthalene	ND		5.3	0.81	ug/L		11/14/14 12:12	12/03/14 17:29	1
Nitrobenzene	ND		5.3	0.31	ug/L		11/14/14 12:12	12/03/14 17:29	1
N-Nitrosodi-n-propylamine	ND		5.3	0.58	ug/L		11/14/14 12:12	12/03/14 17:29	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		11/14/14 12:12	12/03/14 17:29	1
Pentachlorophenol	ND		11	2.3	ug/L		11/14/14 12:12	12/03/14 17:29	1
Phenanthrene	ND		5.3	0.47	ug/L		11/14/14 12:12	12/03/14 17:29	1
Phenol	**0.51**	**J**	5.3	0.42	ug/L		11/14/14 12:12	12/03/14 17:29	1
Pyrene	ND		5.3	0.36	ug/L		11/14/14 12:12	12/03/14 17:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.1*	*T J*	*ug/L*		*4.80*		*11/14/14 12:12*	*12/03/14 17:29*	*1*
Cyclotetrasiloxane, octamethyl-	*19*	*T J N*	*ug/L*		*5.79*	*556-67-2*	*11/14/14 12:12*	*12/03/14 17:29*	*1*
Unknown	*6.9*	*T J B*	*ug/L*		*6.15*		*11/14/14 12:12*	*12/03/14 17:29*	*1*
Cyclopentasiloxane, decamethyl-	*8.1*	*T J N B*	*ug/L*		*6.71*	*541-02-6*	*11/14/14 12:12*	*12/03/14 17:29*	*1*
n-Hexadecanoic acid	*25*	*T J N*	*ug/L*		*10.29*	*57-10-3*	*11/14/14 12:12*	*12/03/14 17:29*	*1*
Unknown	*9.3*	*T J B*	*ug/L*		*10.86*		*11/14/14 12:12*	*12/03/14 17:29*	*1*
Octadecanoic acid	*9.9*	*T J N B*	*ug/L*		*10.93*	*57-11-4*	*11/14/14 12:12*	*12/03/14 17:29*	*1*
Unknown	*2.9*	*T J B*	*ug/L*		*11.37*		*11/14/14 12:12*	*12/03/14 17:29*	*1*
Unknown	*16*	*T J B*	*ug/L*		*11.74*		*11/14/14 12:12*	*12/03/14 17:29*	*1*
Unknown	*6.5*	*T J B*	*ug/L*		*12.32*		*11/14/14 12:12*	*12/03/14 17:29*	*1*
Unknown	*2.0*	*T J B*	*ug/L*		*13.13*		*11/14/14 12:12*	*12/03/14 17:29*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*13.22*		*11/14/14 12:12*	*12/03/14 17:29*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*13.44*		*11/14/14 12:12*	*12/03/14 17:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*106*		*52 - 132*	*11/14/14 12:12*	*12/03/14 17:29*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*11/14/14 12:12*	*12/03/14 17:29*	*1*
2-Fluorophenol (Surr)	*105*		*20 - 120*	*11/14/14 12:12*	*12/03/14 17:29*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*11/14/14 12:12*	*12/03/14 17:29*	*1*
Phenol-d5 (Surr)	*69*		*16 - 120*	*11/14/14 12:12*	*12/03/14 17:29*	*1*
p-Terphenyl-d14 (Surr)	*88*		*67 - 150*	*11/14/14 12:12*	*12/03/14 17:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 08:13	11/17/14 20:49	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 08:13	11/17/14 20:49	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 08:13	11/17/14 20:49	1
Barium	**0.016**		0.0020	0.00070	mg/L		11/14/14 08:13	11/17/14 20:49	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 08:13	11/17/14 20:49	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 08:13	11/17/14 20:49	1
Calcium	**28.8**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 20:49	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 08:13	11/17/14 20:49	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB07-1114-F
Date Collected: 11/11/14 17:00
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 08:13	11/17/14 20:49	1
Copper	ND		0.010	0.0016	mg/L		11/14/14 08:13	11/17/14 20:49	1
Iron	**0.11**		0.050	0.019	mg/L		11/14/14 08:13	11/18/14 11:34	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 08:13	11/17/14 20:49	1
Magnesium	**1.4**		0.20	0.043	mg/L		11/14/14 08:13	11/17/14 20:49	1
Manganese	**0.12**	**^**	0.0030	0.00040	mg/L		11/14/14 08:13	11/17/14 20:49	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 08:13	11/17/14 20:49	1
Potassium	**2.8**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 20:49	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 08:13	11/17/14 20:49	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 08:13	11/17/14 20:49	1
Sodium	**14.3**		1.0	0.32	mg/L		11/14/14 08:13	11/17/14 20:49	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 08:13	11/17/14 20:49	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 08:13	11/17/14 20:49	1
Zinc	**0.0035**	**J B**	0.010	0.0015	mg/L		11/14/14 08:13	11/17/14 20:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 08:15	11/14/14 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/22/14 08:42	11/24/14 12:37	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 11:36	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB07-1114-U
Date Collected: 11/11/14 16:28
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/14/14 12:12	12/03/14 17:55	1
2,4,6-Trichlorophenol	ND		5.0	0.60	ug/L		11/14/14 12:12	12/03/14 17:55	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/14/14 12:12	12/03/14 17:55	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/14/14 12:12	12/03/14 17:55	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		11/14/14 12:12	12/03/14 17:55	1
2,4-Dinitrotoluene	ND		5.0	0.44	ug/L		11/14/14 12:12	12/03/14 17:55	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 17:55	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/14/14 12:12	12/03/14 17:55	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/14/14 12:12	12/03/14 17:55	1
2-Methylnaphthalene	ND		5.0	0.59	ug/L		11/14/14 12:12	12/03/14 17:55	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 17:55	1
2-Nitroaniline	ND		9.9	0.42	ug/L		11/14/14 12:12	12/03/14 17:55	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/14/14 12:12	12/03/14 17:55	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 17:55	1
3-Nitroaniline	ND		9.9	0.48	ug/L		11/14/14 12:12	12/03/14 17:55	1
4,6-Dinitro-2-methylphenol	ND	*	9.9	2.2	ug/L		11/14/14 12:12	12/03/14 17:55	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/14/14 12:12	12/03/14 17:55	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/14/14 12:12	12/03/14 17:55	1
4-Chloroaniline	ND		5.0	0.58	ug/L		11/14/14 12:12	12/03/14 17:55	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/14/14 12:12	12/03/14 17:55	1
4-Methylphenol	ND		9.9	0.36	ug/L		11/14/14 12:12	12/03/14 17:55	1
4-Nitroaniline	ND		9.9	0.25	ug/L		11/14/14 12:12	12/03/14 17:55	1
4-Nitrophenol	ND		9.9	1.5	ug/L		11/14/14 12:12	12/03/14 17:55	1
Acenaphthene	ND		5.0	0.41	ug/L		11/14/14 12:12	12/03/14 17:55	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/14/14 12:12	12/03/14 17:55	1
Acetophenone	ND		5.0	0.54	ug/L		11/14/14 12:12	12/03/14 17:55	1
Anthracene	ND		5.0	0.28	ug/L		11/14/14 12:12	12/03/14 17:55	1
Atrazine	ND		5.0	0.46	ug/L		11/14/14 12:12	12/03/14 17:55	1
Benzaldehyde	**1.1**	**J B**	5.0	0.26	ug/L		11/14/14 12:12	12/03/14 17:55	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/14/14 12:12	12/03/14 17:55	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/14/14 12:12	12/03/14 17:55	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/14/14 12:12	12/03/14 17:55	1
Benzo[g,h,i]perylene	ND	*	5.0	0.35	ug/L		11/14/14 12:12	12/03/14 17:55	1
Benzo[k]fluoranthene	ND		5.0	0.72	ug/L		11/14/14 12:12	12/03/14 17:55	1
Biphenyl	ND		5.0	0.65	ug/L		11/14/14 12:12	12/03/14 17:55	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/14/14 12:12	12/03/14 17:55	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/14/14 12:12	12/03/14 17:55	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 17:55	1
Bis(2-ethylhexyl) phthalate	**2.9**	**J B**	5.0	1.8	ug/L		11/14/14 12:12	12/03/14 17:55	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		11/14/14 12:12	12/03/14 17:55	1
Caprolactam	ND		5.0	2.2	ug/L		11/14/14 12:12	12/03/14 17:55	1
Carbazole	ND	*	5.0	0.30	ug/L		11/14/14 12:12	12/03/14 17:55	1
Chrysene	ND		5.0	0.33	ug/L		11/14/14 12:12	12/03/14 17:55	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/14/14 12:12	12/03/14 17:55	1
Dibenzofuran	ND		9.9	0.51	ug/L		11/14/14 12:12	12/03/14 17:55	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/14/14 12:12	12/03/14 17:55	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/14/14 12:12	12/03/14 17:55	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/14/14 12:12	12/03/14 17:55	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/14/14 12:12	12/03/14 17:55	1

Client Sample ID: SW-CB07-1114-U
Date Collected: 11/11/14 16:28
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 17:55	1
Fluorene	ND		5.0	0.36	ug/L		11/14/14 12:12	12/03/14 17:55	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/14/14 12:12	12/03/14 17:55	1
Hexachlorobutadiene	ND		5.0	0.67	ug/L		11/14/14 12:12	12/03/14 17:55	1
Hexachlorocyclopentadiene	ND		5.0	0.58	ug/L		11/14/14 12:12	12/03/14 17:55	1
Hexachloroethane	ND		5.0	0.58	ug/L		11/14/14 12:12	12/03/14 17:55	1
Indeno[1,2,3-cd]pyrene	ND	*	5.0	0.47	ug/L		11/14/14 12:12	12/03/14 17:55	1
Isophorone	ND		5.0	0.43	ug/L		11/14/14 12:12	12/03/14 17:55	1
Naphthalene	ND		5.0	0.75	ug/L		11/14/14 12:12	12/03/14 17:55	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/14/14 12:12	12/03/14 17:55	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/14/14 12:12	12/03/14 17:55	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/14/14 12:12	12/03/14 17:55	1
Pentachlorophenol	ND		9.9	2.2	ug/L		11/14/14 12:12	12/03/14 17:55	1
Phenanthrene	ND		5.0	0.44	ug/L		11/14/14 12:12	12/03/14 17:55	1
Phenol	ND		5.0	0.39	ug/L		11/14/14 12:12	12/03/14 17:55	1
Pyrene	ND		5.0	0.34	ug/L		11/14/14 12:12	12/03/14 17:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.1*	*T J*	*ug/L*		*4.81*		*11/14/14 12:12*	*12/03/14 17:55*	*1*
Cyclotetrasiloxane, octamethyl-	*14*	*T J N*	*ug/L*		*5.79*	*556-67-2*	*11/14/14 12:12*	*12/03/14 17:55*	*1*
Unknown	*5.2*	*T J B*	*ug/L*		*6.14*		*11/14/14 12:12*	*12/03/14 17:55*	*1*
Unknown	*5.8*	*T J B*	*ug/L*		*6.70*		*11/14/14 12:12*	*12/03/14 17:55*	*1*
Alachlor	*7.3*	*J*	*ug/L*		*9.82*	*15972-60-8*	*11/14/14 12:12*	*12/03/14 17:55*	*1*
n-Hexadecanoic acid	*8.3*	*T J N*	*ug/L*		*10.27*	*57-10-3*	*11/14/14 12:12*	*12/03/14 17:55*	*1*
Unknown	*14*	*T J B*	*ug/L*		*10.87*		*11/14/14 12:12*	*12/03/14 17:55*	*1*
Octadecanoic acid	*9.6*	*T J N B*	*ug/L*		*10.92*	*57-11-4*	*11/14/14 12:12*	*12/03/14 17:55*	*1*
Unknown	*4.0*	*T J B*	*ug/L*		*11.36*		*11/14/14 12:12*	*12/03/14 17:55*	*1*
9-Octadecenamide	*69*	*J E B*	*ug/L*		*11.71*	*301-02-0*	*11/14/14 12:12*	*12/03/14 17:55*	*1*
Unknown	*2.2*	*T J B*	*ug/L*		*12.06*		*11/14/14 12:12*	*12/03/14 17:55*	*1*
Unknown	*8.6*	*T J B*	*ug/L*		*12.31*		*11/14/14 12:12*	*12/03/14 17:55*	*1*
Unknown	*3.8*	*T J B*	*ug/L*		*12.71*		*11/14/14 12:12*	*12/03/14 17:55*	*1*
Unknown	*2.8*	*T J B*	*ug/L*		*13.14*		*11/14/14 12:12*	*12/03/14 17:55*	*1*
Unknown	*11*	*T J*	*ug/L*		*13.44*		*11/14/14 12:12*	*12/03/14 17:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*52 - 132*	*11/14/14 12:12*	*12/03/14 17:55*	*1*
2-Fluorobiphenyl	*79*		*48 - 120*	*11/14/14 12:12*	*12/03/14 17:55*	*1*
2-Fluorophenol (Surr)	*113*		*20 - 120*	*11/14/14 12:12*	*12/03/14 17:55*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*11/14/14 12:12*	*12/03/14 17:55*	*1*
Phenol-d5 (Surr)	*53*		*16 - 120*	*11/14/14 12:12*	*12/03/14 17:55*	*1*
p-Terphenyl-d14 (Surr)	*85*		*67 - 150*	*11/14/14 12:12*	*12/03/14 17:55*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.14**	**J**	0.20	0.060	mg/L		11/14/14 08:13	11/17/14 20:52	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 08:13	11/17/14 20:52	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 08:13	11/17/14 20:52	1
Barium	**0.017**		0.0020	0.00070	mg/L		11/14/14 08:13	11/17/14 20:52	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 08:13	11/17/14 20:52	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 08:13	11/17/14 20:52	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB07-1114-U
Date Collected: 11/11/14 16:28
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**29.2**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 20:52	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 08:13	11/17/14 20:52	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 08:13	11/17/14 20:52	1
Copper	**0.0016**	**J**	0.010	0.0016	mg/L		11/14/14 08:13	11/17/14 20:52	1
Iron	**0.45**		0.050	0.019	mg/L		11/14/14 08:13	11/18/14 11:37	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 08:13	11/17/14 20:52	1
Magnesium	**1.5**		0.20	0.043	mg/L		11/14/14 08:13	11/17/14 20:52	1
Manganese	**0.12**	**^**	0.0030	0.00040	mg/L		11/14/14 08:13	11/17/14 20:52	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 08:13	11/17/14 20:52	1
Potassium	**2.8**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 20:52	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 08:13	11/17/14 20:52	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 08:13	11/17/14 20:52	1
Sodium	**14.1**		1.0	0.32	mg/L		11/14/14 08:13	11/17/14 20:52	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 08:13	11/17/14 20:52	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 08:13	11/17/14 20:52	1
Zinc	**0.0069**	**J B**	0.010	0.0015	mg/L		11/14/14 08:13	11/17/14 20:52	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 08:15	11/14/14 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/22/14 08:42	11/24/14 12:40	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 11:38	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB08-1114-F
Date Collected: 11/12/14 09:50
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		11/14/14 12:12	12/03/14 18:21	1
2,4,6-Trichlorophenol	ND		5.3	0.64	ug/L		11/14/14 12:12	12/03/14 18:21	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		11/14/14 12:12	12/03/14 18:21	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		11/14/14 12:12	12/03/14 18:21	1
2,4-Dinitrophenol	ND		11	2.3	ug/L		11/14/14 12:12	12/03/14 18:21	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		11/14/14 12:12	12/03/14 18:21	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		11/14/14 12:12	12/03/14 18:21	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		11/14/14 12:12	12/03/14 18:21	1
2-Chlorophenol	ND		5.3	0.56	ug/L		11/14/14 12:12	12/03/14 18:21	1
2-Methylnaphthalene	ND		5.3	0.63	ug/L		11/14/14 12:12	12/03/14 18:21	1
2-Methylphenol	ND		5.3	0.42	ug/L		11/14/14 12:12	12/03/14 18:21	1
2-Nitroaniline	ND		11	0.44	ug/L		11/14/14 12:12	12/03/14 18:21	1
2-Nitrophenol	ND		5.3	0.51	ug/L		11/14/14 12:12	12/03/14 18:21	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		11/14/14 12:12	12/03/14 18:21	1
3-Nitroaniline	ND		11	0.51	ug/L		11/14/14 12:12	12/03/14 18:21	1
4,6-Dinitro-2-methylphenol	ND	*	11	2.3	ug/L		11/14/14 12:12	12/03/14 18:21	1
4-Bromophenyl phenyl ether	ND		5.3	0.47	ug/L		11/14/14 12:12	12/03/14 18:21	1
4-Chloro-3-methylphenol	ND		5.3	0.47	ug/L		11/14/14 12:12	12/03/14 18:21	1
4-Chloroaniline	ND		5.3	0.62	ug/L		11/14/14 12:12	12/03/14 18:21	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		11/14/14 12:12	12/03/14 18:21	1
4-Methylphenol	ND		11	0.38	ug/L		11/14/14 12:12	12/03/14 18:21	1
4-Nitroaniline	ND		11	0.26	ug/L		11/14/14 12:12	12/03/14 18:21	1
4-Nitrophenol	ND		11	1.6	ug/L		11/14/14 12:12	12/03/14 18:21	1
Acenaphthene	ND		5.3	0.43	ug/L		11/14/14 12:12	12/03/14 18:21	1
Acenaphthylene	ND		5.3	0.40	ug/L		11/14/14 12:12	12/03/14 18:21	1
Acetophenone	ND		5.3	0.57	ug/L		11/14/14 12:12	12/03/14 18:21	1
Anthracene	ND		5.3	0.30	ug/L		11/14/14 12:12	12/03/14 18:21	1
Atrazine	ND		5.3	0.49	ug/L		11/14/14 12:12	12/03/14 18:21	1
Benzaldehyde	**1.5**	**J B**	5.3	0.28	ug/L		11/14/14 12:12	12/03/14 18:21	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		11/14/14 12:12	12/03/14 18:21	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		11/14/14 12:12	12/03/14 18:21	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		11/14/14 12:12	12/03/14 18:21	1
Benzo[g,h,i]perylene	ND	*	5.3	0.37	ug/L		11/14/14 12:12	12/03/14 18:21	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		11/14/14 12:12	12/03/14 18:21	1
Biphenyl	ND		5.3	0.69	ug/L		11/14/14 12:12	12/03/14 18:21	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		11/14/14 12:12	12/03/14 18:21	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		11/14/14 12:12	12/03/14 18:21	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		11/14/14 12:12	12/03/14 18:21	1
Bis(2-ethylhexyl) phthalate	**2.9**	**J B**	5.3	1.9	ug/L		11/14/14 12:12	12/03/14 18:21	1
Butyl benzyl phthalate	ND		5.3	0.44	ug/L		11/14/14 12:12	12/03/14 18:21	1
Caprolactam	ND		5.3	2.3	ug/L		11/14/14 12:12	12/03/14 18:21	1
Carbazole	ND	*	5.3	0.32	ug/L		11/14/14 12:12	12/03/14 18:21	1
Chrysene	ND		5.3	0.35	ug/L		11/14/14 12:12	12/03/14 18:21	1
Dibenz(a,h)anthracene	ND		5.3	0.44	ug/L		11/14/14 12:12	12/03/14 18:21	1
Dibenzofuran	ND		11	0.54	ug/L		11/14/14 12:12	12/03/14 18:21	1
Diethyl phthalate	**0.36**	**J**	5.3	0.23	ug/L		11/14/14 12:12	12/03/14 18:21	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		11/14/14 12:12	12/03/14 18:21	1
Di-n-butyl phthalate	**0.36**	**J**	5.3	0.33	ug/L		11/14/14 12:12	12/03/14 18:21	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		11/14/14 12:12	12/03/14 18:21	1

Client Sample ID: SW-CB08-1114-F
Date Collected: 11/12/14 09:50
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.42	ug/L		11/14/14 12:12	12/03/14 18:21	1
Fluorene	ND		5.3	0.38	ug/L		11/14/14 12:12	12/03/14 18:21	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		11/14/14 12:12	12/03/14 18:21	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		11/14/14 12:12	12/03/14 18:21	1
Hexachlorocyclopentadiene	ND		5.3	0.62	ug/L		11/14/14 12:12	12/03/14 18:21	1
Hexachloroethane	ND		5.3	0.62	ug/L		11/14/14 12:12	12/03/14 18:21	1
Indeno[1,2,3-cd]pyrene	ND	*	5.3	0.50	ug/L		11/14/14 12:12	12/03/14 18:21	1
Isophorone	ND		5.3	0.45	ug/L		11/14/14 12:12	12/03/14 18:21	1
Naphthalene	ND		5.3	0.80	ug/L		11/14/14 12:12	12/03/14 18:21	1
Nitrobenzene	ND		5.3	0.31	ug/L		11/14/14 12:12	12/03/14 18:21	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		11/14/14 12:12	12/03/14 18:21	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		11/14/14 12:12	12/03/14 18:21	1
Pentachlorophenol	ND		11	2.3	ug/L		11/14/14 12:12	12/03/14 18:21	1
Phenanthrene	ND		5.3	0.46	ug/L		11/14/14 12:12	12/03/14 18:21	1
Phenol	**4.7**	**J**	5.3	0.41	ug/L		11/14/14 12:12	12/03/14 18:21	1
Pyrene	ND		5.3	0.36	ug/L		11/14/14 12:12	12/03/14 18:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6.6*	*T J*	*ug/L*		*4.80*		*11/14/14 12:12*	*12/03/14 18:21*	*1*
Butanoic acid, 2-methyl-	*4.3*	*T J N*	*ug/L*		*4.99*	*116-53-0*	*11/14/14 12:12*	*12/03/14 18:21*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*5.57*		*11/14/14 12:12*	*12/03/14 18:21*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*5.65*		*11/14/14 12:12*	*12/03/14 18:21*	*1*
Unknown	*14*	*T J*	*ug/L*		*5.79*		*11/14/14 12:12*	*12/03/14 18:21*	*1*
Decane	*4.3*	*T J N*	*ug/L*		*5.96*	*124-18-5*	*11/14/14 12:12*	*12/03/14 18:21*	*1*
Unknown	*5.8*	*T J B*	*ug/L*		*6.15*		*11/14/14 12:12*	*12/03/14 18:21*	*1*
Cyclopentasiloxane, decamethyl-	*8.2*	*T J N B*	*ug/L*		*6.71*	*541-02-6*	*11/14/14 12:12*	*12/03/14 18:21*	*1*
Benzeneacetic acid	*18*	*T J N*	*ug/L*		*7.43*	*103-82-2*	*11/14/14 12:12*	*12/03/14 18:21*	*1*
Benzenepropanoic acid	*5.2*	*T J N*	*ug/L*		*7.84*	*501-52-0*	*11/14/14 12:12*	*12/03/14 18:21*	*1*
Diphenyl sulfone	*11*	*T J N*	*ug/L*		*10.27*	*127-63-9*	*11/14/14 12:12*	*12/03/14 18:21*	*1*
Unknown	*9.0*	*T J B*	*ug/L*		*10.86*		*11/14/14 12:12*	*12/03/14 18:21*	*1*
Octadecanoic acid	*5.5*	*T J N B*	*ug/L*		*10.92*	*57-11-4*	*11/14/14 12:12*	*12/03/14 18:21*	*1*
Unknown	*6.7*	*T J B*	*ug/L*		*11.72*		*11/14/14 12:12*	*12/03/14 18:21*	*1*
Unknown	*9.4*	*T J B*	*ug/L*		*12.32*		*11/14/14 12:12*	*12/03/14 18:21*	*1*
Unknown	*16*	*T J B*	*ug/L*		*12.71*		*11/14/14 12:12*	*12/03/14 18:21*	*1*
Unknown	*15*	*T J*	*ug/L*		*13.44*		*11/14/14 12:12*	*12/03/14 18:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*52 - 132*	*11/14/14 12:12*	*12/03/14 18:21*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*11/14/14 12:12*	*12/03/14 18:21*	*1*
2-Fluorophenol (Surr)	*130*	*X*	*20 - 120*	*11/14/14 12:12*	*12/03/14 18:21*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*11/14/14 12:12*	*12/03/14 18:21*	*1*
Phenol-d5 (Surr)	*61*		*16 - 120*	*11/14/14 12:12*	*12/03/14 18:21*	*1*
p-Terphenyl-d14 (Surr)	*85*		*67 - 150*	*11/14/14 12:12*	*12/03/14 18:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 08:13	11/17/14 20:55	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 08:13	11/17/14 20:55	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 08:13	11/17/14 20:55	1
Barium	**0.029**		0.0020	0.00070	mg/L		11/14/14 08:13	11/17/14 20:55	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB08-1114-F
Date Collected: 11/12/14 09:50
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 08:13	11/17/14 20:55	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 08:13	11/17/14 20:55	1
Calcium	**33.2**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 20:55	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 08:13	11/17/14 20:55	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 08:13	11/17/14 20:55	1
Copper	ND		0.010	0.0016	mg/L		11/14/14 08:13	11/17/14 20:55	1
Iron	**0.68**		0.050	0.019	mg/L		11/14/14 08:13	11/28/14 10:07	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 08:13	11/17/14 20:55	1
Magnesium	**0.88**		0.20	0.043	mg/L		11/14/14 08:13	11/17/14 20:55	1
Manganese	**0.30**	**^**	0.0030	0.00040	mg/L		11/14/14 08:13	11/17/14 20:55	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 08:13	11/17/14 20:55	1
Potassium	**3.3**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 20:55	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 08:13	11/17/14 20:55	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 08:13	11/17/14 20:55	1
Sodium	**24.3**		1.0	0.32	mg/L		11/14/14 08:13	11/17/14 20:55	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 08:13	11/17/14 20:55	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 08:13	11/17/14 20:55	1
Zinc	**0.0071**	**J B**	0.010	0.0015	mg/L		11/14/14 08:13	11/17/14 20:55	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 08:15	11/14/14 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/22/14 08:42	11/24/14 12:43	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 11:39	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB08-1114-U
Date Collected: 11/12/14 09:24
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/14/14 12:12	12/03/14 18:47	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/14/14 12:12	12/03/14 18:47	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/14/14 12:12	12/03/14 18:47	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/14/14 12:12	12/03/14 18:47	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/14/14 12:12	12/03/14 18:47	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/14/14 12:12	12/03/14 18:47	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 18:47	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/14/14 12:12	12/03/14 18:47	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/14/14 12:12	12/03/14 18:47	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/14/14 12:12	12/03/14 18:47	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 18:47	1
2-Nitroaniline	ND		10	0.42	ug/L		11/14/14 12:12	12/03/14 18:47	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/14/14 12:12	12/03/14 18:47	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 18:47	1
3-Nitroaniline	ND		10	0.48	ug/L		11/14/14 12:12	12/03/14 18:47	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.2	ug/L		11/14/14 12:12	12/03/14 18:47	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/14/14 12:12	12/03/14 18:47	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/14/14 12:12	12/03/14 18:47	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/14/14 12:12	12/03/14 18:47	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/14/14 12:12	12/03/14 18:47	1
4-Methylphenol	ND		10	0.36	ug/L		11/14/14 12:12	12/03/14 18:47	1
4-Nitroaniline	ND		10	0.25	ug/L		11/14/14 12:12	12/03/14 18:47	1
4-Nitrophenol	ND		10	1.5	ug/L		11/14/14 12:12	12/03/14 18:47	1
Acenaphthene	ND		5.0	0.41	ug/L		11/14/14 12:12	12/03/14 18:47	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/14/14 12:12	12/03/14 18:47	1
Acetophenone	ND		5.0	0.54	ug/L		11/14/14 12:12	12/03/14 18:47	1
Anthracene	ND		5.0	0.28	ug/L		11/14/14 12:12	12/03/14 18:47	1
Atrazine	ND		5.0	0.46	ug/L		11/14/14 12:12	12/03/14 18:47	1
Benzaldehyde	**1.2**	**J B**	5.0	0.27	ug/L		11/14/14 12:12	12/03/14 18:47	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/14/14 12:12	12/03/14 18:47	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/14/14 12:12	12/03/14 18:47	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/14/14 12:12	12/03/14 18:47	1
Benzo[g,h,i]perylene	ND	*	5.0	0.35	ug/L		11/14/14 12:12	12/03/14 18:47	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/14/14 12:12	12/03/14 18:47	1
Biphenyl	ND		5.0	0.65	ug/L		11/14/14 12:12	12/03/14 18:47	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/14/14 12:12	12/03/14 18:47	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/14/14 12:12	12/03/14 18:47	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 18:47	1
Bis(2-ethylhexyl) phthalate	**2.7**	**J B**	5.0	1.8	ug/L		11/14/14 12:12	12/03/14 18:47	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		11/14/14 12:12	12/03/14 18:47	1
Caprolactam	ND		5.0	2.2	ug/L		11/14/14 12:12	12/03/14 18:47	1
Carbazole	ND	*	5.0	0.30	ug/L		11/14/14 12:12	12/03/14 18:47	1
Chrysene	ND		5.0	0.33	ug/L		11/14/14 12:12	12/03/14 18:47	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/14/14 12:12	12/03/14 18:47	1
Dibenzofuran	ND		10	0.51	ug/L		11/14/14 12:12	12/03/14 18:47	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/14/14 12:12	12/03/14 18:47	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/14/14 12:12	12/03/14 18:47	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/14/14 12:12	12/03/14 18:47	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/14/14 12:12	12/03/14 18:47	1

Client Sample ID: SW-CB08-1114-U
Date Collected: 11/12/14 09:24
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 18:47	1
Fluorene	ND		5.0	0.36	ug/L		11/14/14 12:12	12/03/14 18:47	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/14/14 12:12	12/03/14 18:47	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/14/14 12:12	12/03/14 18:47	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/14/14 12:12	12/03/14 18:47	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/14/14 12:12	12/03/14 18:47	1
Indeno[1,2,3-cd]pyrene	ND	*	5.0	0.47	ug/L		11/14/14 12:12	12/03/14 18:47	1
Isophorone	ND		5.0	0.43	ug/L		11/14/14 12:12	12/03/14 18:47	1
Naphthalene	ND		5.0	0.76	ug/L		11/14/14 12:12	12/03/14 18:47	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/14/14 12:12	12/03/14 18:47	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/14/14 12:12	12/03/14 18:47	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/14/14 12:12	12/03/14 18:47	1
Pentachlorophenol	ND		10	2.2	ug/L		11/14/14 12:12	12/03/14 18:47	1
Phenanthrene	ND		5.0	0.44	ug/L		11/14/14 12:12	12/03/14 18:47	1
Phenol	ND		5.0	0.39	ug/L		11/14/14 12:12	12/03/14 18:47	1
Pyrene	ND		5.0	0.34	ug/L		11/14/14 12:12	12/03/14 18:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.7*	*T J*	*ug/L*		*4.80*		*11/14/14 12:12*	*12/03/14 18:47*	*1*
Cyclotetrasiloxane, octamethyl-	*18*	*T J N*	*ug/L*		*5.79*	*556-67-2*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*5.96*		*11/14/14 12:12*	*12/03/14 18:47*	*1*
1-Hexanol, 2-ethyl-	*4.8*	*T J N B*	*ug/L*		*6.14*	*104-76-7*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
D-Limonene	*3.1*	*T J N B*	*ug/L*		*6.19*	*5989-27-5*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
Cyclopentasiloxane, decamethyl-	*7.9*	*T J N B*	*ug/L*		*6.70*	*541-02-6*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
2,3-Dihydroindole-2-one	*9.5*	*T J N*	*ug/L*		*8.57*	*1000129-53-5*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
2,6-Dimethylphenyl isocyanate	*4.1*	*T J N*	*ug/L*		*8.95*	*28556-81-2*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
n-Hexadecanoic acid	*11*	*T J N*	*ug/L*		*10.28*	*57-10-3*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
Unknown	*12*	*T J B*	*ug/L*		*10.86*		*11/14/14 12:12*	*12/03/14 18:47*	*1*
Octadecanoic acid	*8.6*	*T J N B*	*ug/L*		*10.92*	*57-11-4*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
Unknown	*3.1*	*T J B*	*ug/L*		*11.37*		*11/14/14 12:12*	*12/03/14 18:47*	*1*
Unknown	*5.9*	*T J B*	*ug/L*		*11.72*		*11/14/14 12:12*	*12/03/14 18:47*	*1*
Unknown	*7.2*	*T J B*	*ug/L*		*12.31*		*11/14/14 12:12*	*12/03/14 18:47*	*1*
Unknown	*8.8*	*T J*	*ug/L*		*13.43*		*11/14/14 12:12*	*12/03/14 18:47*	*1*
26-Nor-5-cholesten-3.beta.-25-one	*11*	*T J N*	*ug/L*		*15.03*	*7494-34-0*	*11/14/14 12:12*	*12/03/14 18:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
2-Fluorophenol (Surr)	*76*		*20 - 120*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 120*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
Phenol-d5 (Surr)	*48*		*16 - 120*	*11/14/14 12:12*	*12/03/14 18:47*	*1*
p-Terphenyl-d14 (Surr)	*74*		*67 - 150*	*11/14/14 12:12*	*12/03/14 18:47*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.092**	**J**	0.20	0.060	mg/L		11/14/14 08:13	11/17/14 20:58	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 08:13	11/17/14 20:58	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 08:13	11/17/14 20:58	1
Barium	**0.036**		0.0020	0.00070	mg/L		11/14/14 08:13	11/17/14 20:58	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB08-1114-U
Date Collected: 11/12/14 09:24
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-6
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 08:13	11/17/14 20:58	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 08:13	11/17/14 20:58	1
Calcium	**34.0**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 20:58	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 08:13	11/17/14 20:58	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 08:13	11/17/14 20:58	1
Copper	**0.0022**	**J**	0.010	0.0016	mg/L		11/14/14 08:13	11/17/14 20:58	1
Iron	**1.8**		0.050	0.019	mg/L		11/14/14 08:13	11/28/14 10:10	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 08:13	11/17/14 20:58	1
Magnesium	**0.94**		0.20	0.043	mg/L		11/14/14 08:13	11/17/14 20:58	1
Manganese	**0.32**	**^**	0.0030	0.00040	mg/L		11/14/14 08:13	11/17/14 20:58	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 08:13	11/17/14 20:58	1
Potassium	**3.5**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 20:58	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 08:13	11/17/14 20:58	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 08:13	11/17/14 20:58	1
Sodium	**24.9**		1.0	0.32	mg/L		11/14/14 08:13	11/17/14 20:58	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 08:13	11/17/14 20:58	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 08:13	11/17/14 20:58	1
Zinc	**0.012**	**B**	0.010	0.0015	mg/L		11/14/14 08:13	11/17/14 20:58	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 08:15	11/14/14 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/22/14 08:42	11/24/14 12:50	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 11:41	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB10-1114-F
Date Collected: 11/12/14 10:55
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/14/14 12:12	12/03/14 19:13	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/14/14 12:12	12/03/14 19:13	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/14/14 12:12	12/03/14 19:13	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/14/14 12:12	12/03/14 19:13	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/14/14 12:12	12/03/14 19:13	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/14/14 12:12	12/03/14 19:13	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 19:13	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/14/14 12:12	12/03/14 19:13	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/14/14 12:12	12/03/14 19:13	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/14/14 12:12	12/03/14 19:13	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 19:13	1
2-Nitroaniline	ND		10	0.42	ug/L		11/14/14 12:12	12/03/14 19:13	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/14/14 12:12	12/03/14 19:13	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 19:13	1
3-Nitroaniline	ND		10	0.48	ug/L		11/14/14 12:12	12/03/14 19:13	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.2	ug/L		11/14/14 12:12	12/03/14 19:13	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/14/14 12:12	12/03/14 19:13	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/14/14 12:12	12/03/14 19:13	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/14/14 12:12	12/03/14 19:13	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/14/14 12:12	12/03/14 19:13	1
4-Methylphenol	ND		10	0.36	ug/L		11/14/14 12:12	12/03/14 19:13	1
4-Nitroaniline	ND		10	0.25	ug/L		11/14/14 12:12	12/03/14 19:13	1
4-Nitrophenol	ND		10	1.5	ug/L		11/14/14 12:12	12/03/14 19:13	1
Acenaphthene	ND		5.0	0.41	ug/L		11/14/14 12:12	12/03/14 19:13	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/14/14 12:12	12/03/14 19:13	1
Acetophenone	ND		5.0	0.54	ug/L		11/14/14 12:12	12/03/14 19:13	1
Anthracene	ND		5.0	0.28	ug/L		11/14/14 12:12	12/03/14 19:13	1
Atrazine	ND		5.0	0.46	ug/L		11/14/14 12:12	12/03/14 19:13	1
Benzaldehyde	**1.4**	**J B**	5.0	0.27	ug/L		11/14/14 12:12	12/03/14 19:13	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/14/14 12:12	12/03/14 19:13	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/14/14 12:12	12/03/14 19:13	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/14/14 12:12	12/03/14 19:13	1
Benzo[g,h,i]perylene	ND	*	5.0	0.35	ug/L		11/14/14 12:12	12/03/14 19:13	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/14/14 12:12	12/03/14 19:13	1
Biphenyl	ND		5.0	0.66	ug/L		11/14/14 12:12	12/03/14 19:13	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/14/14 12:12	12/03/14 19:13	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/14/14 12:12	12/03/14 19:13	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 19:13	1
Bis(2-ethylhexyl) phthalate	**3.2**	**J B**	5.0	1.8	ug/L		11/14/14 12:12	12/03/14 19:13	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		11/14/14 12:12	12/03/14 19:13	1
Caprolactam	ND		5.0	2.2	ug/L		11/14/14 12:12	12/03/14 19:13	1
Carbazole	ND	*	5.0	0.30	ug/L		11/14/14 12:12	12/03/14 19:13	1
Chrysene	ND		5.0	0.33	ug/L		11/14/14 12:12	12/03/14 19:13	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/14/14 12:12	12/03/14 19:13	1
Dibenzofuran	ND		10	0.51	ug/L		11/14/14 12:12	12/03/14 19:13	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/14/14 12:12	12/03/14 19:13	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/14/14 12:12	12/03/14 19:13	1
Di-n-butyl phthalate	**0.32**	**J**	5.0	0.31	ug/L		11/14/14 12:12	12/03/14 19:13	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/14/14 12:12	12/03/14 19:13	1

Client Sample ID: SW-CB10-1114-F
Date Collected: 11/12/14 10:55
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 19:13	1
Fluorene	ND		5.0	0.36	ug/L		11/14/14 12:12	12/03/14 19:13	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/14/14 12:12	12/03/14 19:13	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/14/14 12:12	12/03/14 19:13	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/14/14 12:12	12/03/14 19:13	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/14/14 12:12	12/03/14 19:13	1
Indeno[1,2,3-cd]pyrene	ND	*	5.0	0.47	ug/L		11/14/14 12:12	12/03/14 19:13	1
Isophorone	ND		5.0	0.43	ug/L		11/14/14 12:12	12/03/14 19:13	1
Naphthalene	ND		5.0	0.76	ug/L		11/14/14 12:12	12/03/14 19:13	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/14/14 12:12	12/03/14 19:13	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/14/14 12:12	12/03/14 19:13	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/14/14 12:12	12/03/14 19:13	1
Pentachlorophenol	ND		10	2.2	ug/L		11/14/14 12:12	12/03/14 19:13	1
Phenanthrene	ND		5.0	0.44	ug/L		11/14/14 12:12	12/03/14 19:13	1
Phenol	ND		5.0	0.39	ug/L		11/14/14 12:12	12/03/14 19:13	1
Pyrene	ND		5.0	0.34	ug/L		11/14/14 12:12	12/03/14 19:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.2*	*T J*	*ug/L*		*4.80*		*11/14/14 12:12*	*12/03/14 19:13*	*1*
Cyclotetrasiloxane, octamethyl-	*12*	*T J N*	*ug/L*		*5.79*	*556-67-2*	*11/14/14 12:12*	*12/03/14 19:13*	*1*
Decane	*3.8*	*T J N*	*ug/L*		*5.96*	*124-18-5*	*11/14/14 12:12*	*12/03/14 19:13*	*1*
Unknown	*6.0*	*T J B*	*ug/L*		*6.14*		*11/14/14 12:12*	*12/03/14 19:13*	*1*
D-Limonene	*3.2*	*T J N B*	*ug/L*		*6.19*	*5989-27-5*	*11/14/14 12:12*	*12/03/14 19:13*	*1*
Cyclopentasiloxane, decamethyl-	*5.5*	*T J N B*	*ug/L*		*6.70*	*541-02-6*	*11/14/14 12:12*	*12/03/14 19:13*	*1*
n-Hexadecanoic acid	*6.9*	*T J N*	*ug/L*		*10.27*	*57-10-3*	*11/14/14 12:12*	*12/03/14 19:13*	*1*
Unknown	*12*	*T J B*	*ug/L*		*10.87*		*11/14/14 12:12*	*12/03/14 19:13*	*1*
Octadecanoic acid	*4.6*	*T J N B*	*ug/L*		*10.92*	*57-11-4*	*11/14/14 12:12*	*12/03/14 19:13*	*1*
Unknown	*5.1*	*T J*	*ug/L*		*11.36*		*11/14/14 12:12*	*12/03/14 19:13*	*1*
Unknown	*7.6*	*T J B*	*ug/L*		*11.71*		*11/14/14 12:12*	*12/03/14 19:13*	*1*
Unknown	*2.5*	*T J B*	*ug/L*		*12.06*		*11/14/14 12:12*	*12/03/14 19:13*	*1*
Unknown	*9.8*	*T J B*	*ug/L*		*12.31*		*11/14/14 12:12*	*12/03/14 19:13*	*1*
Unknown	*4.4*	*T J B*	*ug/L*		*12.71*		*11/14/14 12:12*	*12/03/14 19:13*	*1*
Unknown	*3.1*	*T J B*	*ug/L*		*13.14*		*11/14/14 12:12*	*12/03/14 19:13*	*1*
Unknown	*12*	*T J*	*ug/L*		*13.44*		*11/14/14 12:12*	*12/03/14 19:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*52 - 132*	*11/14/14 12:12*	*12/03/14 19:13*	*1*
2-Fluorobiphenyl	*79*		*48 - 120*	*11/14/14 12:12*	*12/03/14 19:13*	*1*
2-Fluorophenol (Surr)	*96*		*20 - 120*	*11/14/14 12:12*	*12/03/14 19:13*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 120*	*11/14/14 12:12*	*12/03/14 19:13*	*1*
Phenol-d5 (Surr)	*60*		*16 - 120*	*11/14/14 12:12*	*12/03/14 19:13*	*1*
p-Terphenyl-d14 (Surr)	*80*		*67 - 150*	*11/14/14 12:12*	*12/03/14 19:13*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 08:13	11/17/14 21:00	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 08:13	11/17/14 21:00	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 08:13	11/17/14 21:00	1
Barium	**0.018**		0.0020	0.00070	mg/L		11/14/14 08:13	11/17/14 21:00	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 08:13	11/17/14 21:00	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB10-1114-F
Date Collected: 11/12/14 10:55
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-7
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 08:13	11/17/14 21:00	1
Calcium	**29.0**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 21:00	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 08:13	11/17/14 21:00	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 08:13	11/17/14 21:00	1
Copper	**0.0016**	**J**	0.010	0.0016	mg/L		11/14/14 08:13	11/17/14 21:00	1
Iron	**0.11**		0.050	0.019	mg/L		11/14/14 08:13	11/18/14 11:39	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 08:13	11/17/14 21:00	1
Magnesium	**0.67**		0.20	0.043	mg/L		11/14/14 08:13	11/17/14 21:00	1
Manganese	**0.075**	**^**	0.0030	0.00040	mg/L		11/14/14 08:13	11/17/14 21:00	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 08:13	11/17/14 21:00	1
Potassium	**1.6**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 21:00	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 08:13	11/17/14 21:00	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 08:13	11/17/14 21:00	1
Sodium	**36.7**		1.0	0.32	mg/L		11/14/14 08:13	11/17/14 21:00	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 08:13	11/17/14 21:00	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 08:13	11/17/14 21:00	1
Zinc	**0.018**	**B**	0.010	0.0015	mg/L		11/14/14 08:13	11/17/14 21:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 08:15	11/14/14 13:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.0064**	**J**	0.010	0.0050	mg/L		11/22/14 08:42	11/24/14 12:44	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 11:51	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB10-1114-U
Date Collected: 11/12/14 10:30
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		11/14/14 12:12	12/03/14 19:38	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		11/14/14 12:12	12/03/14 19:38	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		11/14/14 12:12	12/03/14 19:38	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		11/14/14 12:12	12/03/14 19:38	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		11/14/14 12:12	12/03/14 19:38	1
2,4-Dinitrotoluene	ND		5.2	0.46	ug/L		11/14/14 12:12	12/03/14 19:38	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		11/14/14 12:12	12/03/14 19:38	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		11/14/14 12:12	12/03/14 19:38	1
2-Chlorophenol	ND		5.2	0.55	ug/L		11/14/14 12:12	12/03/14 19:38	1
2-Methylnaphthalene	ND		5.2	0.62	ug/L		11/14/14 12:12	12/03/14 19:38	1
2-Methylphenol	ND		5.2	0.42	ug/L		11/14/14 12:12	12/03/14 19:38	1
2-Nitroaniline	ND		10	0.44	ug/L		11/14/14 12:12	12/03/14 19:38	1
2-Nitrophenol	ND		5.2	0.50	ug/L		11/14/14 12:12	12/03/14 19:38	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		11/14/14 12:12	12/03/14 19:38	1
3-Nitroaniline	ND		10	0.50	ug/L		11/14/14 12:12	12/03/14 19:38	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		11/14/14 12:12	12/03/14 19:38	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		11/14/14 12:12	12/03/14 19:38	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		11/14/14 12:12	12/03/14 19:38	1
4-Chloroaniline	ND		5.2	0.61	ug/L		11/14/14 12:12	12/03/14 19:38	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		11/14/14 12:12	12/03/14 19:38	1
4-Methylphenol	ND		10	0.37	ug/L		11/14/14 12:12	12/03/14 19:38	1
4-Nitroaniline	ND		10	0.26	ug/L		11/14/14 12:12	12/03/14 19:38	1
4-Nitrophenol	ND		10	1.6	ug/L		11/14/14 12:12	12/03/14 19:38	1
Acenaphthene	ND		5.2	0.43	ug/L		11/14/14 12:12	12/03/14 19:38	1
Acenaphthylene	ND		5.2	0.39	ug/L		11/14/14 12:12	12/03/14 19:38	1
Acetophenone	ND		5.2	0.56	ug/L		11/14/14 12:12	12/03/14 19:38	1
Anthracene	ND		5.2	0.29	ug/L		11/14/14 12:12	12/03/14 19:38	1
Atrazine	ND		5.2	0.48	ug/L		11/14/14 12:12	12/03/14 19:38	1
Benzaldehyde	**1.2**	**J B**	5.2	0.28	ug/L		11/14/14 12:12	12/03/14 19:38	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		11/14/14 12:12	12/03/14 19:38	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/14/14 12:12	12/03/14 19:38	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/14/14 12:12	12/03/14 19:38	1
Benzo[g,h,i]perylene	ND	*	5.2	0.36	ug/L		11/14/14 12:12	12/03/14 19:38	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/14/14 12:12	12/03/14 19:38	1
Biphenyl	ND		5.2	0.68	ug/L		11/14/14 12:12	12/03/14 19:38	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		11/14/14 12:12	12/03/14 19:38	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		11/14/14 12:12	12/03/14 19:38	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		11/14/14 12:12	12/03/14 19:38	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		11/14/14 12:12	12/03/14 19:38	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		11/14/14 12:12	12/03/14 19:38	1
Caprolactam	ND		5.2	2.3	ug/L		11/14/14 12:12	12/03/14 19:38	1
Carbazole	ND	*	5.2	0.31	ug/L		11/14/14 12:12	12/03/14 19:38	1
Chrysene	ND		5.2	0.34	ug/L		11/14/14 12:12	12/03/14 19:38	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/14/14 12:12	12/03/14 19:38	1
Dibenzofuran	ND		10	0.53	ug/L		11/14/14 12:12	12/03/14 19:38	1
Diethyl phthalate	ND		5.2	0.23	ug/L		11/14/14 12:12	12/03/14 19:38	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		11/14/14 12:12	12/03/14 19:38	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		11/14/14 12:12	12/03/14 19:38	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		11/14/14 12:12	12/03/14 19:38	1

Client Sample ID: SW-CB10-1114-U
Date Collected: 11/12/14 10:30
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		11/14/14 12:12	12/03/14 19:38	1
Fluorene	ND		5.2	0.37	ug/L		11/14/14 12:12	12/03/14 19:38	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		11/14/14 12:12	12/03/14 19:38	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		11/14/14 12:12	12/03/14 19:38	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		11/14/14 12:12	12/03/14 19:38	1
Hexachloroethane	ND		5.2	0.61	ug/L		11/14/14 12:12	12/03/14 19:38	1
Indeno[1,2,3-cd]pyrene	ND	*	5.2	0.49	ug/L		11/14/14 12:12	12/03/14 19:38	1
Isophorone	ND		5.2	0.45	ug/L		11/14/14 12:12	12/03/14 19:38	1
Naphthalene	ND		5.2	0.79	ug/L		11/14/14 12:12	12/03/14 19:38	1
Nitrobenzene	ND		5.2	0.30	ug/L		11/14/14 12:12	12/03/14 19:38	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		11/14/14 12:12	12/03/14 19:38	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		11/14/14 12:12	12/03/14 19:38	1
Pentachlorophenol	ND		10	2.3	ug/L		11/14/14 12:12	12/03/14 19:38	1
Phenanthrene	ND		5.2	0.46	ug/L		11/14/14 12:12	12/03/14 19:38	1
Phenol	ND		5.2	0.41	ug/L		11/14/14 12:12	12/03/14 19:38	1
Pyrene	ND		5.2	0.35	ug/L		11/14/14 12:12	12/03/14 19:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Pyridine	*0.95*	*J B*	*ug/L*		*4.02*	*110-86-1*	*11/14/14 12:12*	*12/03/14 19:38*	*1*
Unknown	*10*	*T J*	*ug/L*		*5.79*		*11/14/14 12:12*	*12/03/14 19:38*	*1*
Decane	*4.2*	*T J N*	*ug/L*		*5.96*	*124-18-5*	*11/14/14 12:12*	*12/03/14 19:38*	*1*
1-Hexanol, 2-ethyl-	*6.4*	*T J N B*	*ug/L*		*6.14*	*104-76-7*	*11/14/14 12:12*	*12/03/14 19:38*	*1*
Cyclopentasiloxane, decamethyl-	*5.8*	*T J N B*	*ug/L*		*6.70*	*541-02-6*	*11/14/14 12:12*	*12/03/14 19:38*	*1*
n-Hexadecanoic acid	*4.0*	*T J N*	*ug/L*		*10.27*	*57-10-3*	*11/14/14 12:12*	*12/03/14 19:38*	*1*
Unknown	*5.5*	*T J B*	*ug/L*		*10.87*		*11/14/14 12:12*	*12/03/14 19:38*	*1*
Octadecanoic acid	*5.1*	*T J N B*	*ug/L*		*10.92*	*57-11-4*	*11/14/14 12:12*	*12/03/14 19:38*	*1*
Phenol, 4,4'-(1-methylethylidene)bis-	*3.7*	*T J N*	*ug/L*		*11.08*	*80-05-7*	*11/14/14 12:12*	*12/03/14 19:38*	*1*
Unknown	*2.8*	*T J B*	*ug/L*		*11.36*		*11/14/14 12:12*	*12/03/14 19:38*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*12.31*		*11/14/14 12:12*	*12/03/14 19:38*	*1*
Unknown	*4.9*	*T J*	*ug/L*		*13.44*		*11/14/14 12:12*	*12/03/14 19:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*52 - 132*	*11/14/14 12:12*	*12/03/14 19:38*	*1*
2-Fluorobiphenyl	*77*		*48 - 120*	*11/14/14 12:12*	*12/03/14 19:38*	*1*
2-Fluorophenol (Surr)	*96*		*20 - 120*	*11/14/14 12:12*	*12/03/14 19:38*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*	*11/14/14 12:12*	*12/03/14 19:38*	*1*
Phenol-d5 (Surr)	*67*		*16 - 120*	*11/14/14 12:12*	*12/03/14 19:38*	*1*
p-Terphenyl-d14 (Surr)	*101*		*67 - 150*	*11/14/14 12:12*	*12/03/14 19:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.12**	**J**	0.20	0.060	mg/L		11/14/14 08:13	11/17/14 21:03	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 08:13	11/17/14 21:03	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 08:13	11/17/14 21:03	1
Barium	**0.019**		0.0020	0.00070	mg/L		11/14/14 08:13	11/17/14 21:03	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 08:13	11/17/14 21:03	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 08:13	11/17/14 21:03	1
Calcium	**29.6**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 21:03	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 08:13	11/17/14 21:03	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 08:13	11/17/14 21:03	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB10-1114-U
Date Collected: 11/12/14 10:30
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-8
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	**0.0031**	**J**	0.010	0.0016	mg/L		11/14/14 08:13	11/17/14 21:03	1
Iron	**0.39**		0.050	0.019	mg/L		11/14/14 08:13	11/18/14 11:42	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 08:13	11/17/14 21:03	1
Magnesium	**0.72**		0.20	0.043	mg/L		11/14/14 08:13	11/17/14 21:03	1
Manganese	**0.082**	**^**	0.0030	0.00040	mg/L		11/14/14 08:13	11/17/14 21:03	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 08:13	11/17/14 21:03	1
Potassium	**1.7**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 21:03	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 08:13	11/17/14 21:03	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 08:13	11/17/14 21:03	1
Sodium	**37.2**		1.0	0.32	mg/L		11/14/14 08:13	11/17/14 21:03	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 08:13	11/17/14 21:03	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 08:13	11/17/14 21:03	1
Zinc	**0.012**	**B**	0.010	0.0015	mg/L		11/14/14 08:13	11/17/14 21:03	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 10:25	11/14/14 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.0062**	**J**	0.010	0.0050	mg/L		11/22/14 08:42	11/24/14 12:51	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 11:53	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB11-1114-F
Date Collected: 11/12/14 12:35
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.6	0.44	ug/L		11/14/14 12:12	12/03/14 20:04	1
2,4,6-Trichlorophenol	ND		4.6	0.56	ug/L		11/14/14 12:12	12/03/14 20:04	1
2,4-Dichlorophenol	ND		4.6	0.47	ug/L		11/14/14 12:12	12/03/14 20:04	1
2,4-Dimethylphenol	**0.75**	**J**	4.6	0.46	ug/L		11/14/14 12:12	12/03/14 20:04	1
2,4-Dinitrophenol	ND		9.2	2.0	ug/L		11/14/14 12:12	12/03/14 20:04	1
2,4-Dinitrotoluene	ND		4.6	0.41	ug/L		11/14/14 12:12	12/03/14 20:04	1
2,6-Dinitrotoluene	ND		4.6	0.37	ug/L		11/14/14 12:12	12/03/14 20:04	1
2-Chloronaphthalene	ND		4.6	0.42	ug/L		11/14/14 12:12	12/03/14 20:04	1
2-Chlorophenol	ND		4.6	0.49	ug/L		11/14/14 12:12	12/03/14 20:04	1
2-Methylnaphthalene	ND		4.6	0.55	ug/L		11/14/14 12:12	12/03/14 20:04	1
2-Methylphenol	ND		4.6	0.37	ug/L		11/14/14 12:12	12/03/14 20:04	1
2-Nitroaniline	ND		9.2	0.38	ug/L		11/14/14 12:12	12/03/14 20:04	1
2-Nitrophenol	ND		4.6	0.44	ug/L		11/14/14 12:12	12/03/14 20:04	1
3,3'-Dichlorobenzidine	ND		4.6	0.37	ug/L		11/14/14 12:12	12/03/14 20:04	1
3-Nitroaniline	ND		9.2	0.44	ug/L		11/14/14 12:12	12/03/14 20:04	1
4,6-Dinitro-2-methylphenol	ND	*	9.2	2.0	ug/L		11/14/14 12:12	12/03/14 20:04	1
4-Bromophenyl phenyl ether	ND		4.6	0.41	ug/L		11/14/14 12:12	12/03/14 20:04	1
4-Chloro-3-methylphenol	ND		4.6	0.41	ug/L		11/14/14 12:12	12/03/14 20:04	1
4-Chloroaniline	ND		4.6	0.54	ug/L		11/14/14 12:12	12/03/14 20:04	1
4-Chlorophenyl phenyl ether	ND		4.6	0.32	ug/L		11/14/14 12:12	12/03/14 20:04	1
4-Methylphenol	**0.52**	**J**	9.2	0.33	ug/L		11/14/14 12:12	12/03/14 20:04	1
4-Nitroaniline	ND		9.2	0.23	ug/L		11/14/14 12:12	12/03/14 20:04	1
4-Nitrophenol	ND		9.2	1.4	ug/L		11/14/14 12:12	12/03/14 20:04	1
Acenaphthene	ND		4.6	0.38	ug/L		11/14/14 12:12	12/03/14 20:04	1
Acenaphthylene	ND		4.6	0.35	ug/L		11/14/14 12:12	12/03/14 20:04	1
Acetophenone	ND		4.6	0.49	ug/L		11/14/14 12:12	12/03/14 20:04	1
Anthracene	ND		4.6	0.26	ug/L		11/14/14 12:12	12/03/14 20:04	1
Atrazine	ND		4.6	0.42	ug/L		11/14/14 12:12	12/03/14 20:04	1
Benzaldehyde	**1.3**	**J B**	4.6	0.24	ug/L		11/14/14 12:12	12/03/14 20:04	1
Benzo[a]anthracene	ND		4.6	0.33	ug/L		11/14/14 12:12	12/03/14 20:04	1
Benzo[a]pyrene	ND		4.6	0.43	ug/L		11/14/14 12:12	12/03/14 20:04	1
Benzo[b]fluoranthene	ND		4.6	0.31	ug/L		11/14/14 12:12	12/03/14 20:04	1
Benzo[g,h,i]perylene	ND	*	4.6	0.32	ug/L		11/14/14 12:12	12/03/14 20:04	1
Benzo[k]fluoranthene	ND		4.6	0.67	ug/L		11/14/14 12:12	12/03/14 20:04	1
Biphenyl	ND		4.6	0.60	ug/L		11/14/14 12:12	12/03/14 20:04	1
bis (2-chloroisopropyl) ether	ND		4.6	0.48	ug/L		11/14/14 12:12	12/03/14 20:04	1
Bis(2-chloroethoxy)methane	ND		4.6	0.32	ug/L		11/14/14 12:12	12/03/14 20:04	1
Bis(2-chloroethyl)ether	ND		4.6	0.37	ug/L		11/14/14 12:12	12/03/14 20:04	1
Bis(2-ethylhexyl) phthalate	**3.6**	**J B**	4.6	1.6	ug/L		11/14/14 12:12	12/03/14 20:04	1
Butyl benzyl phthalate	ND		4.6	0.38	ug/L		11/14/14 12:12	12/03/14 20:04	1
Caprolactam	ND		4.6	2.0	ug/L		11/14/14 12:12	12/03/14 20:04	1
Carbazole	ND	*	4.6	0.27	ug/L		11/14/14 12:12	12/03/14 20:04	1
Chrysene	ND		4.6	0.30	ug/L		11/14/14 12:12	12/03/14 20:04	1
Dibenz(a,h)anthracene	ND		4.6	0.38	ug/L		11/14/14 12:12	12/03/14 20:04	1
Dibenzofuran	ND		9.2	0.47	ug/L		11/14/14 12:12	12/03/14 20:04	1
Diethyl phthalate	ND		4.6	0.20	ug/L		11/14/14 12:12	12/03/14 20:04	1
Dimethyl phthalate	ND		4.6	0.33	ug/L		11/14/14 12:12	12/03/14 20:04	1
Di-n-butyl phthalate	ND		4.6	0.28	ug/L		11/14/14 12:12	12/03/14 20:04	1
Di-n-octyl phthalate	ND		4.6	0.43	ug/L		11/14/14 12:12	12/03/14 20:04	1

Client Sample ID: SW-CB11-1114-F
Date Collected: 11/12/14 12:35
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.6	0.37	ug/L		11/14/14 12:12	12/03/14 20:04	1
Fluorene	ND		4.6	0.33	ug/L		11/14/14 12:12	12/03/14 20:04	1
Hexachlorobenzene	ND		4.6	0.47	ug/L		11/14/14 12:12	12/03/14 20:04	1
Hexachlorobutadiene	ND		4.6	0.62	ug/L		11/14/14 12:12	12/03/14 20:04	1
Hexachlorocyclopentadiene	ND		4.6	0.54	ug/L		11/14/14 12:12	12/03/14 20:04	1
Hexachloroethane	ND		4.6	0.54	ug/L		11/14/14 12:12	12/03/14 20:04	1
Indeno[1,2,3-cd]pyrene	ND	*	4.6	0.43	ug/L		11/14/14 12:12	12/03/14 20:04	1
Isophorone	ND		4.6	0.39	ug/L		11/14/14 12:12	12/03/14 20:04	1
Naphthalene	ND		4.6	0.70	ug/L		11/14/14 12:12	12/03/14 20:04	1
Nitrobenzene	ND		4.6	0.27	ug/L		11/14/14 12:12	12/03/14 20:04	1
N-Nitrosodi-n-propylamine	ND		4.6	0.49	ug/L		11/14/14 12:12	12/03/14 20:04	1
N-Nitrosodiphenylamine	ND		4.6	0.47	ug/L		11/14/14 12:12	12/03/14 20:04	1
Pentachlorophenol	ND		9.2	2.0	ug/L		11/14/14 12:12	12/03/14 20:04	1
Phenanthrene	ND		4.6	0.40	ug/L		11/14/14 12:12	12/03/14 20:04	1
Phenol	**0.42**	**J**	4.6	0.36	ug/L		11/14/14 12:12	12/03/14 20:04	1
Pyrene	ND		4.6	0.31	ug/L		11/14/14 12:12	12/03/14 20:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*34*	*T J*	*ug/L*		*4.82*		*11/14/14 12:12*	*12/03/14 20:04*	*1*
Cyclotetrasiloxane, octamethyl-	*9.4*	*T J N*	*ug/L*		*5.79*	*556-67-2*	*11/14/14 12:12*	*12/03/14 20:04*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*5.96*		*11/14/14 12:12*	*12/03/14 20:04*	*1*
1-Hexanol, 2-ethyl-	*6.6*	*T J N B*	*ug/L*		*6.15*	*104-76-7*	*11/14/14 12:12*	*12/03/14 20:04*	*1*
D-Limonene	*3.9*	*T J N B*	*ug/L*		*6.19*	*5989-27-5*	*11/14/14 12:12*	*12/03/14 20:04*	*1*
Cyclopentasiloxane, decamethyl-	*5.4*	*T J N B*	*ug/L*		*6.70*	*541-02-6*	*11/14/14 12:12*	*12/03/14 20:04*	*1*
Octanoic Acid	*3.4*	*T J N*	*ug/L*		*6.95*	*124-07-2*	*11/14/14 12:12*	*12/03/14 20:04*	*1*
Diphenyl sulfone	*14*	*T J N*	*ug/L*		*10.28*	*127-63-9*	*11/14/14 12:12*	*12/03/14 20:04*	*1*
Unknown	*15*	*T J B*	*ug/L*		*10.87*		*11/14/14 12:12*	*12/03/14 20:04*	*1*
Octadecanoic acid	*8.3*	*T J N B*	*ug/L*		*10.92*	*57-11-4*	*11/14/14 12:12*	*12/03/14 20:04*	*1*
Unknown	*5.5*	*T J B*	*ug/L*		*11.36*		*11/14/14 12:12*	*12/03/14 20:04*	*1*
Unknown	*11*	*T J B*	*ug/L*		*11.73*		*11/14/14 12:12*	*12/03/14 20:04*	*1*
Unknown	*2.7*	*T J B*	*ug/L*		*12.06*		*11/14/14 12:12*	*12/03/14 20:04*	*1*
Unknown	*7.8*	*T J B*	*ug/L*		*12.31*		*11/14/14 12:12*	*12/03/14 20:04*	*1*
Unknown	*13*	*T J B*	*ug/L*		*12.71*		*11/14/14 12:12*	*12/03/14 20:04*	*1*
Unknown	*2.8*	*T J B*	*ug/L*		*13.14*		*11/14/14 12:12*	*12/03/14 20:04*	*1*
Unknown	*10*	*T J*	*ug/L*		*13.44*		*11/14/14 12:12*	*12/03/14 20:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*52 - 132*	*11/14/14 12:12*	*12/03/14 20:04*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*11/14/14 12:12*	*12/03/14 20:04*	*1*
2-Fluorophenol (Surr)	*101*		*20 - 120*	*11/14/14 12:12*	*12/03/14 20:04*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 120*	*11/14/14 12:12*	*12/03/14 20:04*	*1*
Phenol-d5 (Surr)	*62*		*16 - 120*	*11/14/14 12:12*	*12/03/14 20:04*	*1*
p-Terphenyl-d14 (Surr)	*112*		*67 - 150*	*11/14/14 12:12*	*12/03/14 20:04*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.094**	**J**	0.20	0.060	mg/L		11/14/14 08:13	11/17/14 21:14	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 08:13	11/17/14 21:14	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 08:13	11/17/14 21:14	1
Barium	**0.15**		0.0020	0.00070	mg/L		11/14/14 08:13	11/17/14 21:14	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB11-1114-F
Date Collected: 11/12/14 12:35
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-9
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 08:13	11/17/14 21:14	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 08:13	11/17/14 21:14	1
Calcium	**222**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 21:14	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 08:13	11/17/14 21:14	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 08:13	11/17/14 21:14	1
Copper	ND	^	0.010	0.0016	mg/L		11/14/14 08:13	11/17/14 21:14	1
Iron	ND	^	0.050	0.019	mg/L		11/14/14 08:13	11/17/14 21:14	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 08:13	11/17/14 21:14	1
Magnesium	ND		0.20	0.043	mg/L		11/14/14 08:13	11/17/14 21:14	1
Manganese	ND	^	0.0030	0.00040	mg/L		11/14/14 08:13	11/17/14 21:14	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 08:13	11/17/14 21:14	1
Potassium	**15.6**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 21:14	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 08:13	11/17/14 21:14	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 08:13	11/17/14 21:14	1
Sodium	**68.9**		1.0	0.32	mg/L		11/14/14 08:13	11/17/14 21:14	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 08:13	11/17/14 21:14	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 08:13	11/17/14 21:14	1
Zinc	**0.0072**	**J B**	0.010	0.0015	mg/L		11/14/14 08:13	11/17/14 21:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 10:25	11/14/14 13:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/22/14 08:42	11/24/14 12:53	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 11:54	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB11-1114-U
Date Collected: 11/12/14 12:20
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		11/14/14 12:12	12/03/14 20:30	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		11/14/14 12:12	12/03/14 20:30	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		11/14/14 12:12	12/03/14 20:30	1
2,4-Dimethylphenol	**0.73**	**J**	5.2	0.52	ug/L		11/14/14 12:12	12/03/14 20:30	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		11/14/14 12:12	12/03/14 20:30	1
2,4-Dinitrotoluene	ND		5.2	0.46	ug/L		11/14/14 12:12	12/03/14 20:30	1
2,6-Dinitrotoluene	ND		5.2	0.41	ug/L		11/14/14 12:12	12/03/14 20:30	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		11/14/14 12:12	12/03/14 20:30	1
2-Chlorophenol	ND		5.2	0.55	ug/L		11/14/14 12:12	12/03/14 20:30	1
2-Methylnaphthalene	ND		5.2	0.62	ug/L		11/14/14 12:12	12/03/14 20:30	1
2-Methylphenol	ND		5.2	0.41	ug/L		11/14/14 12:12	12/03/14 20:30	1
2-Nitroaniline	ND		10	0.43	ug/L		11/14/14 12:12	12/03/14 20:30	1
2-Nitrophenol	ND		5.2	0.50	ug/L		11/14/14 12:12	12/03/14 20:30	1
3,3'-Dichlorobenzidine	ND		5.2	0.41	ug/L		11/14/14 12:12	12/03/14 20:30	1
3-Nitroaniline	ND		10	0.50	ug/L		11/14/14 12:12	12/03/14 20:30	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		11/14/14 12:12	12/03/14 20:30	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		11/14/14 12:12	12/03/14 20:30	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		11/14/14 12:12	12/03/14 20:30	1
4-Chloroaniline	ND		5.2	0.61	ug/L		11/14/14 12:12	12/03/14 20:30	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		11/14/14 12:12	12/03/14 20:30	1
4-Methylphenol	**0.46**	**J**	10	0.37	ug/L		11/14/14 12:12	12/03/14 20:30	1
4-Nitroaniline	ND		10	0.26	ug/L		11/14/14 12:12	12/03/14 20:30	1
4-Nitrophenol	ND		10	1.6	ug/L		11/14/14 12:12	12/03/14 20:30	1
Acenaphthene	ND		5.2	0.42	ug/L		11/14/14 12:12	12/03/14 20:30	1
Acenaphthylene	ND		5.2	0.39	ug/L		11/14/14 12:12	12/03/14 20:30	1
Acetophenone	ND		5.2	0.56	ug/L		11/14/14 12:12	12/03/14 20:30	1
Anthracene	ND		5.2	0.29	ug/L		11/14/14 12:12	12/03/14 20:30	1
Atrazine	ND		5.2	0.48	ug/L		11/14/14 12:12	12/03/14 20:30	1
Benzaldehyde	**1.0**	**J B**	5.2	0.28	ug/L		11/14/14 12:12	12/03/14 20:30	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		11/14/14 12:12	12/03/14 20:30	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/14/14 12:12	12/03/14 20:30	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/14/14 12:12	12/03/14 20:30	1
Benzo[g,h,i]perylene	ND	*	5.2	0.36	ug/L		11/14/14 12:12	12/03/14 20:30	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/14/14 12:12	12/03/14 20:30	1
Biphenyl	ND		5.2	0.68	ug/L		11/14/14 12:12	12/03/14 20:30	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		11/14/14 12:12	12/03/14 20:30	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		11/14/14 12:12	12/03/14 20:30	1
Bis(2-chloroethyl)ether	ND		5.2	0.41	ug/L		11/14/14 12:12	12/03/14 20:30	1
Bis(2-ethylhexyl) phthalate	**3.8**	**J B**	5.2	1.9	ug/L		11/14/14 12:12	12/03/14 20:30	1
Butyl benzyl phthalate	ND		5.2	0.43	ug/L		11/14/14 12:12	12/03/14 20:30	1
Caprolactam	ND		5.2	2.3	ug/L		11/14/14 12:12	12/03/14 20:30	1
Carbazole	ND	*	5.2	0.31	ug/L		11/14/14 12:12	12/03/14 20:30	1
Chrysene	ND		5.2	0.34	ug/L		11/14/14 12:12	12/03/14 20:30	1
Dibenz(a,h)anthracene	ND		5.2	0.43	ug/L		11/14/14 12:12	12/03/14 20:30	1
Dibenzofuran	ND		10	0.53	ug/L		11/14/14 12:12	12/03/14 20:30	1
Diethyl phthalate	ND		5.2	0.23	ug/L		11/14/14 12:12	12/03/14 20:30	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		11/14/14 12:12	12/03/14 20:30	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		11/14/14 12:12	12/03/14 20:30	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		11/14/14 12:12	12/03/14 20:30	1

Client Sample ID: SW-CB11-1114-U
Date Collected: 11/12/14 12:20
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.41	ug/L		11/14/14 12:12	12/03/14 20:30	1
Fluorene	ND		5.2	0.37	ug/L		11/14/14 12:12	12/03/14 20:30	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		11/14/14 12:12	12/03/14 20:30	1
Hexachlorobutadiene	ND		5.2	0.70	ug/L		11/14/14 12:12	12/03/14 20:30	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		11/14/14 12:12	12/03/14 20:30	1
Hexachloroethane	ND		5.2	0.61	ug/L		11/14/14 12:12	12/03/14 20:30	1
Indeno[1,2,3-cd]pyrene	ND	*	5.2	0.49	ug/L		11/14/14 12:12	12/03/14 20:30	1
Isophorone	ND		5.2	0.44	ug/L		11/14/14 12:12	12/03/14 20:30	1
Naphthalene	ND		5.2	0.79	ug/L		11/14/14 12:12	12/03/14 20:30	1
Nitrobenzene	ND		5.2	0.30	ug/L		11/14/14 12:12	12/03/14 20:30	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		11/14/14 12:12	12/03/14 20:30	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		11/14/14 12:12	12/03/14 20:30	1
Pentachlorophenol	ND		10	2.3	ug/L		11/14/14 12:12	12/03/14 20:30	1
Phenanthrene	ND		5.2	0.46	ug/L		11/14/14 12:12	12/03/14 20:30	1
Phenol	ND		5.2	0.40	ug/L		11/14/14 12:12	12/03/14 20:30	1
Pyrene	ND		5.2	0.35	ug/L		11/14/14 12:12	12/03/14 20:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*22*	*T J*	*ug/L*		*4.81*		*11/14/14 12:12*	*12/03/14 20:30*	*1*
Cyclotetrasiloxane, octamethyl-	*13*	*T J N*	*ug/L*		*5.79*	*556-67-2*	*11/14/14 12:12*	*12/03/14 20:30*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*5.96*		*11/14/14 12:12*	*12/03/14 20:30*	*1*
1-Hexanol, 2-ethyl-	*6.4*	*T J N B*	*ug/L*		*6.15*	*104-76-7*	*11/14/14 12:12*	*12/03/14 20:30*	*1*
D-Limonene	*4.2*	*T J N B*	*ug/L*		*6.19*	*5989-27-5*	*11/14/14 12:12*	*12/03/14 20:30*	*1*
Cyclopentasiloxane, decamethyl-	*6.2*	*T J N B*	*ug/L*		*6.70*	*541-02-6*	*11/14/14 12:12*	*12/03/14 20:30*	*1*
n-Hexadecanoic acid	*5.1*	*T J N*	*ug/L*		*10.27*	*57-10-3*	*11/14/14 12:12*	*12/03/14 20:30*	*1*
Unknown	*15*	*T J B*	*ug/L*		*10.87*		*11/14/14 12:12*	*12/03/14 20:30*	*1*
Octadecanoic acid	*6.4*	*T J N B*	*ug/L*		*10.92*	*57-11-4*	*11/14/14 12:12*	*12/03/14 20:30*	*1*
Unknown	*4.8*	*T J B*	*ug/L*		*11.36*		*11/14/14 12:12*	*12/03/14 20:30*	*1*
Unknown	*7.8*	*T J B*	*ug/L*		*11.71*		*11/14/14 12:12*	*12/03/14 20:30*	*1*
Unknown	*9.0*	*T J B*	*ug/L*		*12.31*		*11/14/14 12:12*	*12/03/14 20:30*	*1*
Unknown	*14*	*T J B*	*ug/L*		*12.71*		*11/14/14 12:12*	*12/03/14 20:30*	*1*
Unknown	*2.8*	*T J B*	*ug/L*		*13.14*		*11/14/14 12:12*	*12/03/14 20:30*	*1*
Unknown	*11*	*T J*	*ug/L*		*13.44*		*11/14/14 12:12*	*12/03/14 20:30*	*1*
Unknown	*5.7*	*T J*	*ug/L*		*14.73*		*11/14/14 12:12*	*12/03/14 20:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*104*		*52 - 132*	*11/14/14 12:12*	*12/03/14 20:30*	*1*
2-Fluorobiphenyl	*79*		*48 - 120*	*11/14/14 12:12*	*12/03/14 20:30*	*1*
2-Fluorophenol (Surr)	*95*		*20 - 120*	*11/14/14 12:12*	*12/03/14 20:30*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*11/14/14 12:12*	*12/03/14 20:30*	*1*
Phenol-d5 (Surr)	*62*		*16 - 120*	*11/14/14 12:12*	*12/03/14 20:30*	*1*
p-Terphenyl-d14 (Surr)	*93*		*67 - 150*	*11/14/14 12:12*	*12/03/14 20:30*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.089**	**J**	0.20	0.060	mg/L		11/14/14 08:13	11/17/14 21:17	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 08:13	11/17/14 21:17	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 08:13	11/17/14 21:17	1
Barium	**0.15**		0.0020	0.00070	mg/L		11/14/14 08:13	11/17/14 21:17	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 08:13	11/17/14 21:17	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB11-1114-U
Date Collected: 11/12/14 12:20
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-10
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 08:13	11/17/14 21:17	1
Calcium	**219**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 21:17	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 08:13	11/17/14 21:17	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 08:13	11/17/14 21:17	1
Copper	ND	^	0.010	0.0016	mg/L		11/14/14 08:13	11/17/14 21:17	1
Iron	ND	^	0.050	0.019	mg/L		11/14/14 08:13	11/17/14 21:17	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 08:13	11/17/14 21:17	1
Magnesium	ND		0.20	0.043	mg/L		11/14/14 08:13	11/17/14 21:17	1
Manganese	ND	^	0.0030	0.00040	mg/L		11/14/14 08:13	11/17/14 21:17	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 08:13	11/17/14 21:17	1
Potassium	**15.4**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 21:17	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 08:13	11/17/14 21:17	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 08:13	11/17/14 21:17	1
Sodium	**65.7**		1.0	0.32	mg/L		11/14/14 08:13	11/17/14 21:17	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 08:13	11/17/14 21:17	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 08:13	11/17/14 21:17	1
Zinc	**0.0025**	**J B**	0.010	0.0015	mg/L		11/14/14 08:13	11/17/14 21:17	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 10:25	11/14/14 13:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/22/14 13:20	11/24/14 13:40	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 11:56	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB12-1114-F
Date Collected: 11/12/14 13:45
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		11/14/14 12:12	12/03/14 20:56	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		11/14/14 12:12	12/03/14 20:56	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		11/14/14 12:12	12/03/14 20:56	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		11/14/14 12:12	12/03/14 20:56	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		11/14/14 12:12	12/03/14 20:56	1
2,4-Dinitrotoluene	ND		5.1	0.45	ug/L		11/14/14 12:12	12/03/14 20:56	1
2,6-Dinitrotoluene	**1.5**	**J**	5.1	0.41	ug/L		11/14/14 12:12	12/03/14 20:56	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		11/14/14 12:12	12/03/14 20:56	1
2-Chlorophenol	ND		5.1	0.54	ug/L		11/14/14 12:12	12/03/14 20:56	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		11/14/14 12:12	12/03/14 20:56	1
2-Methylphenol	ND		5.1	0.41	ug/L		11/14/14 12:12	12/03/14 20:56	1
2-Nitroaniline	ND		10	0.43	ug/L		11/14/14 12:12	12/03/14 20:56	1
2-Nitrophenol	ND		5.1	0.49	ug/L		11/14/14 12:12	12/03/14 20:56	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		11/14/14 12:12	12/03/14 20:56	1
3-Nitroaniline	ND		10	0.49	ug/L		11/14/14 12:12	12/03/14 20:56	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.2	ug/L		11/14/14 12:12	12/03/14 20:56	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		11/14/14 12:12	12/03/14 20:56	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		11/14/14 12:12	12/03/14 20:56	1
4-Chloroaniline	ND		5.1	0.60	ug/L		11/14/14 12:12	12/03/14 20:56	1
4-Chlorophenyl phenyl ether	ND		5.1	0.35	ug/L		11/14/14 12:12	12/03/14 20:56	1
4-Methylphenol	**0.74**	**J**	10	0.37	ug/L		11/14/14 12:12	12/03/14 20:56	1
4-Nitroaniline	ND		10	0.25	ug/L		11/14/14 12:12	12/03/14 20:56	1
4-Nitrophenol	ND		10	1.5	ug/L		11/14/14 12:12	12/03/14 20:56	1
Acenaphthene	ND		5.1	0.42	ug/L		11/14/14 12:12	12/03/14 20:56	1
Acenaphthylene	ND		5.1	0.39	ug/L		11/14/14 12:12	12/03/14 20:56	1
Acetophenone	ND		5.1	0.55	ug/L		11/14/14 12:12	12/03/14 20:56	1
Anthracene	ND		5.1	0.28	ug/L		11/14/14 12:12	12/03/14 20:56	1
Atrazine	ND		5.1	0.47	ug/L		11/14/14 12:12	12/03/14 20:56	1
Benzaldehyde	**1.4**	**J B**	5.1	0.27	ug/L		11/14/14 12:12	12/03/14 20:56	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		11/14/14 12:12	12/03/14 20:56	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		11/14/14 12:12	12/03/14 20:56	1
Benzo[b]fluoranthene	ND		5.1	0.34	ug/L		11/14/14 12:12	12/03/14 20:56	1
Benzo[g,h,i]perylene	ND	*	5.1	0.35	ug/L		11/14/14 12:12	12/03/14 20:56	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		11/14/14 12:12	12/03/14 20:56	1
Biphenyl	ND		5.1	0.66	ug/L		11/14/14 12:12	12/03/14 20:56	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		11/14/14 12:12	12/03/14 20:56	1
Bis(2-chloroethoxy)methane	ND		5.1	0.35	ug/L		11/14/14 12:12	12/03/14 20:56	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		11/14/14 12:12	12/03/14 20:56	1
Bis(2-ethylhexyl) phthalate	**5.0**	**J B**	5.1	1.8	ug/L		11/14/14 12:12	12/03/14 20:56	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		11/14/14 12:12	12/03/14 20:56	1
Caprolactam	ND		5.1	2.2	ug/L		11/14/14 12:12	12/03/14 20:56	1
Carbazole	ND	*	5.1	0.30	ug/L		11/14/14 12:12	12/03/14 20:56	1
Chrysene	ND		5.1	0.33	ug/L		11/14/14 12:12	12/03/14 20:56	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		11/14/14 12:12	12/03/14 20:56	1
Dibenzofuran	ND		10	0.52	ug/L		11/14/14 12:12	12/03/14 20:56	1
Diethyl phthalate	ND		5.1	0.22	ug/L		11/14/14 12:12	12/03/14 20:56	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		11/14/14 12:12	12/03/14 20:56	1
Di-n-butyl phthalate	ND		5.1	0.31	ug/L		11/14/14 12:12	12/03/14 20:56	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		11/14/14 12:12	12/03/14 20:56	1

Client Sample ID: SW-CB12-1114-F
Date Collected: 11/12/14 13:45
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		11/14/14 12:12	12/03/14 20:56	1
Fluorene	ND		5.1	0.37	ug/L		11/14/14 12:12	12/03/14 20:56	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		11/14/14 12:12	12/03/14 20:56	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		11/14/14 12:12	12/03/14 20:56	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		11/14/14 12:12	12/03/14 20:56	1
Hexachloroethane	ND		5.1	0.60	ug/L		11/14/14 12:12	12/03/14 20:56	1
Indeno[1,2,3-cd]pyrene	ND	*	5.1	0.48	ug/L		11/14/14 12:12	12/03/14 20:56	1
Isophorone	ND		5.1	0.44	ug/L		11/14/14 12:12	12/03/14 20:56	1
Naphthalene	ND		5.1	0.77	ug/L		11/14/14 12:12	12/03/14 20:56	1
Nitrobenzene	ND		5.1	0.29	ug/L		11/14/14 12:12	12/03/14 20:56	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		11/14/14 12:12	12/03/14 20:56	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		11/14/14 12:12	12/03/14 20:56	1
Pentachlorophenol	ND		10	2.2	ug/L		11/14/14 12:12	12/03/14 20:56	1
Phenanthrene	ND		5.1	0.45	ug/L		11/14/14 12:12	12/03/14 20:56	1
Phenol	**0.99**	**J**	5.1	0.40	ug/L		11/14/14 12:12	12/03/14 20:56	1
Pyrene	ND		5.1	0.34	ug/L		11/14/14 12:12	12/03/14 20:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*11*	*T J*	*ug/L*		*4.81*		*11/14/14 12:12*	*12/03/14 20:56*	*1*
Cyclotetrasiloxane, octamethyl-	*14*	*T J N*	*ug/L*		*5.79*	*556-67-2*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
Unknown	*4.7*	*T J*	*ug/L*		*5.96*		*11/14/14 12:12*	*12/03/14 20:56*	*1*
1-Hexanol, 2-ethyl-	*6.4*	*T J N B*	*ug/L*		*6.14*	*104-76-7*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
D-Limonene	*4.4*	*T J N B*	*ug/L*		*6.19*	*5989-27-5*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
Unknown	*7.0*	*T J B*	*ug/L*		*6.70*		*11/14/14 12:12*	*12/03/14 20:56*	*1*
Unknown	*30*	*T J*	*ug/L*		*8.59*		*11/14/14 12:12*	*12/03/14 20:56*	*1*
Benzoic acid, 3,4-dichloro-	*20*	*T J N B*	*ug/L*		*8.69*	*51-44-5*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
Z-11-Pentadecenol	*4.4*	*T J N B*	*ug/L*		*10.21*	*1000130-77-0*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
n-Hexadecanoic acid	*24*	*T J N*	*ug/L*		*10.28*	*57-10-3*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
Unknown	*22*	*T J B*	*ug/L*		*10.87*		*11/14/14 12:12*	*12/03/14 20:56*	*1*
Octadecanoic acid	*9.1*	*T J N B*	*ug/L*		*10.92*	*57-11-4*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
Unknown	*7.1*	*T J B*	*ug/L*		*11.36*		*11/14/14 12:12*	*12/03/14 20:56*	*1*
9-Octadecenamide	*77*	*J E B*	*ug/L*		*11.72*	*301-02-0*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
Unknown	*12*	*T J B*	*ug/L*		*12.31*		*11/14/14 12:12*	*12/03/14 20:56*	*1*
Unknown	*9.3*	*T J B*	*ug/L*		*12.71*		*11/14/14 12:12*	*12/03/14 20:56*	*1*
Unknown	*4.3*	*T J B*	*ug/L*		*13.14*		*11/14/14 12:12*	*12/03/14 20:56*	*1*
Unknown	*16*	*T J*	*ug/L*		*13.44*		*11/14/14 12:12*	*12/03/14 20:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*104*		*52 - 132*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
2-Fluorophenol (Surr)	*97*		*20 - 120*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 120*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
Phenol-d5 (Surr)	*65*		*16 - 120*	*11/14/14 12:12*	*12/03/14 20:56*	*1*
p-Terphenyl-d14 (Surr)	*95*		*67 - 150*	*11/14/14 12:12*	*12/03/14 20:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 08:13	11/17/14 21:20	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 08:13	11/17/14 21:20	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB12-1114-F
Date Collected: 11/12/14 13:45
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-11
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 08:13	11/17/14 21:20	1
Barium	**0.17**		0.0020	0.00070	mg/L		11/14/14 08:13	11/17/14 21:20	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 08:13	11/17/14 21:20	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 08:13	11/17/14 21:20	1
Calcium	**257**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 21:20	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 08:13	11/17/14 21:20	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 08:13	11/17/14 21:20	1
Copper	ND	^	0.010	0.0016	mg/L		11/14/14 08:13	11/17/14 21:20	1
Iron	ND	^	0.050	0.019	mg/L		11/14/14 08:13	11/17/14 21:20	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 08:13	11/17/14 21:20	1
Magnesium	**0.13**	**J**	0.20	0.043	mg/L		11/14/14 08:13	11/17/14 21:20	1
Manganese	ND	^	0.0030	0.00040	mg/L		11/14/14 08:13	11/17/14 21:20	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 08:13	11/17/14 21:20	1
Potassium	**28.1**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 21:20	1
Selenium	**0.0092**	**J**	0.025	0.0087	mg/L		11/14/14 08:13	11/17/14 21:20	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 08:13	11/17/14 21:20	1
Sodium	**48.8**		1.0	0.32	mg/L		11/14/14 08:13	11/17/14 21:20	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 08:13	11/17/14 21:20	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 08:13	11/17/14 21:20	1
Zinc	**0.0023**	**J B**	0.010	0.0015	mg/L		11/14/14 08:13	11/17/14 21:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 10:25	11/14/14 13:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/22/14 13:20	11/24/14 13:42	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 11:57	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB12-1114-U
Date Collected: 11/12/14 13:30
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-12
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/14/14 12:12	12/03/14 21:22	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/14/14 12:12	12/03/14 21:22	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/14/14 12:12	12/03/14 21:22	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/14/14 12:12	12/03/14 21:22	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/14/14 12:12	12/03/14 21:22	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/14/14 12:12	12/03/14 21:22	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 21:22	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/14/14 12:12	12/03/14 21:22	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/14/14 12:12	12/03/14 21:22	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/14/14 12:12	12/03/14 21:22	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 21:22	1
2-Nitroaniline	ND		10	0.42	ug/L		11/14/14 12:12	12/03/14 21:22	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/14/14 12:12	12/03/14 21:22	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 21:22	1
3-Nitroaniline	ND		10	0.48	ug/L		11/14/14 12:12	12/03/14 21:22	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.2	ug/L		11/14/14 12:12	12/03/14 21:22	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/14/14 12:12	12/03/14 21:22	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/14/14 12:12	12/03/14 21:22	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/14/14 12:12	12/03/14 21:22	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/14/14 12:12	12/03/14 21:22	1
4-Methylphenol	**0.90**	**J**	10	0.36	ug/L		11/14/14 12:12	12/03/14 21:22	1
4-Nitroaniline	ND		10	0.25	ug/L		11/14/14 12:12	12/03/14 21:22	1
4-Nitrophenol	ND		10	1.5	ug/L		11/14/14 12:12	12/03/14 21:22	1
Acenaphthene	ND		5.0	0.41	ug/L		11/14/14 12:12	12/03/14 21:22	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/14/14 12:12	12/03/14 21:22	1
Acetophenone	ND		5.0	0.54	ug/L		11/14/14 12:12	12/03/14 21:22	1
Anthracene	ND		5.0	0.28	ug/L		11/14/14 12:12	12/03/14 21:22	1
Atrazine	ND		5.0	0.46	ug/L		11/14/14 12:12	12/03/14 21:22	1
Benzaldehyde	**1.4**	**J B**	5.0	0.27	ug/L		11/14/14 12:12	12/03/14 21:22	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/14/14 12:12	12/03/14 21:22	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/14/14 12:12	12/03/14 21:22	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/14/14 12:12	12/03/14 21:22	1
Benzo[g,h,i]perylene	ND	*	5.0	0.35	ug/L		11/14/14 12:12	12/03/14 21:22	1
Benzo[k]fluoranthene	ND		5.0	0.74	ug/L		11/14/14 12:12	12/03/14 21:22	1
Biphenyl	ND		5.0	0.66	ug/L		11/14/14 12:12	12/03/14 21:22	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/14/14 12:12	12/03/14 21:22	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/14/14 12:12	12/03/14 21:22	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 21:22	1
Bis(2-ethylhexyl) phthalate	**5.4**	**B**	5.0	1.8	ug/L		11/14/14 12:12	12/03/14 21:22	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		11/14/14 12:12	12/03/14 21:22	1
Caprolactam	ND		5.0	2.2	ug/L		11/14/14 12:12	12/03/14 21:22	1
Carbazole	ND	*	5.0	0.30	ug/L		11/14/14 12:12	12/03/14 21:22	1
Chrysene	ND		5.0	0.33	ug/L		11/14/14 12:12	12/03/14 21:22	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/14/14 12:12	12/03/14 21:22	1
Dibenzofuran	ND		10	0.51	ug/L		11/14/14 12:12	12/03/14 21:22	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/14/14 12:12	12/03/14 21:22	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/14/14 12:12	12/03/14 21:22	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/14/14 12:12	12/03/14 21:22	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/14/14 12:12	12/03/14 21:22	1

Client Sample ID: SW-CB12-1114-U
Date Collected: 11/12/14 13:30
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-12
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		11/14/14 12:12	12/03/14 21:22	1
Fluorene	ND		5.0	0.36	ug/L		11/14/14 12:12	12/03/14 21:22	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/14/14 12:12	12/03/14 21:22	1
Hexachlorobutadiene	ND		5.0	0.69	ug/L		11/14/14 12:12	12/03/14 21:22	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/14/14 12:12	12/03/14 21:22	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/14/14 12:12	12/03/14 21:22	1
Indeno[1,2,3-cd]pyrene	ND	*	5.0	0.47	ug/L		11/14/14 12:12	12/03/14 21:22	1
Isophorone	ND		5.0	0.43	ug/L		11/14/14 12:12	12/03/14 21:22	1
Naphthalene	ND		5.0	0.77	ug/L		11/14/14 12:12	12/03/14 21:22	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/14/14 12:12	12/03/14 21:22	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/14/14 12:12	12/03/14 21:22	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/14/14 12:12	12/03/14 21:22	1
Pentachlorophenol	ND		10	2.2	ug/L		11/14/14 12:12	12/03/14 21:22	1
Phenanthrene	ND		5.0	0.44	ug/L		11/14/14 12:12	12/03/14 21:22	1
Phenol	**0.99**	**J**	5.0	0.39	ug/L		11/14/14 12:12	12/03/14 21:22	1
Pyrene	ND		5.0	0.34	ug/L		11/14/14 12:12	12/03/14 21:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*13*	*T J*	*ug/L*		*4.81*		*11/14/14 12:12*	*12/03/14 21:22*	*1*
Cyclotetrasiloxane, octamethyl-	*10*	*T J N*	*ug/L*		*5.79*	*556-67-2*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
Decane	*4.1*	*T J N*	*ug/L*		*5.96*	*124-18-5*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
1-Hexanol, 2-ethyl-	*8.5*	*T J N B*	*ug/L*		*6.15*	*104-76-7*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
D-Limonene	*3.7*	*T J N B*	*ug/L*		*6.19*	*5989-27-5*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
Cyclopentasiloxane, decamethyl-	*5.7*	*T J N B*	*ug/L*		*6.71*	*541-02-6*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
Octanoic Acid	*2.9*	*T J N*	*ug/L*		*6.94*	*124-07-2*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
n-Hexadecanoic acid	*8.4*	*T J N*	*ug/L*		*10.28*	*57-10-3*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
Unknown	*12*	*T J B*	*ug/L*		*10.86*		*11/14/14 12:12*	*12/03/14 21:22*	*1*
Octadecanoic acid	*14*	*T J N B*	*ug/L*		*10.93*	*57-11-4*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*11.36*		*11/14/14 12:12*	*12/03/14 21:22*	*1*
9-Octadecenamide	*71*	*J E B*	*ug/L*		*11.73*	*301-02-0*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
Unknown	*8.0*	*T J B*	*ug/L*		*12.31*		*11/14/14 12:12*	*12/03/14 21:22*	*1*
Unknown	*5.6*	*T J B*	*ug/L*		*12.72*		*11/14/14 12:12*	*12/03/14 21:22*	*1*
Hexacosane	*3.2*	*T J N*	*ug/L*		*12.82*	*630-01-3*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
Unknown	*3.6*	*T J B*	*ug/L*		*13.13*		*11/14/14 12:12*	*12/03/14 21:22*	*1*
Unknown	*13*	*T J*	*ug/L*		*13.44*		*11/14/14 12:12*	*12/03/14 21:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*52 - 132*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
2-Fluorophenol (Surr)	*123*	*X*	*20 - 120*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
Phenol-d5 (Surr)	*78*		*16 - 120*	*11/14/14 12:12*	*12/03/14 21:22*	*1*
p-Terphenyl-d14 (Surr)	*103*		*67 - 150*	*11/14/14 12:12*	*12/03/14 21:22*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 08:13	11/17/14 21:23	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 08:13	11/17/14 21:23	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 08:13	11/17/14 21:23	1
Barium	**0.18**		0.0020	0.00070	mg/L		11/14/14 08:13	11/17/14 21:23	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB12-1114-U
Date Collected: 11/12/14 13:30
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-12
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 08:13	11/17/14 21:23	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 08:13	11/17/14 21:23	1
Calcium	**257**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 21:23	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 08:13	11/17/14 21:23	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 08:13	11/17/14 21:23	1
Copper	ND	^	0.010	0.0016	mg/L		11/14/14 08:13	11/17/14 21:23	1
Iron	**0.028**	**J ^**	0.050	0.019	mg/L		11/14/14 08:13	11/17/14 21:23	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 08:13	11/17/14 21:23	1
Magnesium	**0.74**		0.20	0.043	mg/L		11/14/14 08:13	11/17/14 21:23	1
Manganese	**0.047**		0.0030	0.00040	mg/L		11/14/14 08:13	11/18/14 11:45	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 08:13	11/17/14 21:23	1
Potassium	**28.3**		0.50	0.10	mg/L		11/14/14 08:13	11/17/14 21:23	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 08:13	11/17/14 21:23	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 08:13	11/17/14 21:23	1
Sodium	**47.9**		1.0	0.32	mg/L		11/14/14 08:13	11/17/14 21:23	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 08:13	11/17/14 21:23	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 08:13	11/17/14 21:23	1
Zinc	**0.0054**	**J B**	0.010	0.0015	mg/L		11/14/14 08:13	11/17/14 21:23	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 10:25	11/14/14 14:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/22/14 13:20	11/24/14 13:43	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 11:59	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB06-1114-F

Lab Sample ID: 480-71249-1

Date Collected: 11/11/14 15:50

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214152	11/14/14 12:12	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216669	12/02/14 16:35	LMW	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	215561	11/17/14 20:24	TRB	TAL BUF
Total/NA	Prep	7470A			213925	11/14/14 08:15	TAS	TAL BUF
Total/NA	Analysis	7470A		1	214166	11/14/14 13:40	LRK	TAL BUF
Total/NA	Prep	9012B			215498	11/22/14 08:42	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 12:33	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 11:33	PGJ	TAL PIT

Client Sample ID: SW-CB06-1114-U

Lab Sample ID: 480-71249-2

Date Collected: 11/11/14 15:30

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214152	11/14/14 12:12	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216669	12/02/14 17:01	LMW	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	215561	11/17/14 20:46	TRB	TAL BUF
Total/NA	Prep	7470A			213925	11/14/14 08:15	TAS	TAL BUF
Total/NA	Analysis	7470A		1	214166	11/14/14 13:41	LRK	TAL BUF
Total/NA	Prep	9012B			215498	11/22/14 08:42	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 12:35	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 11:35	PGJ	TAL PIT

Client Sample ID: SW-CB07-1114-F

Lab Sample ID: 480-71249-3

Date Collected: 11/11/14 17:00

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214152	11/14/14 12:12	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216898	12/03/14 17:29	JMM	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	215561	11/17/14 20:49	TRB	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	214891	11/18/14 11:34	TRB	TAL BUF
Total/NA	Prep	7470A			213925	11/14/14 08:15	TAS	TAL BUF
Total/NA	Analysis	7470A		1	214166	11/14/14 13:46	LRK	TAL BUF
Total/NA	Prep	9012B			215498	11/22/14 08:42	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 12:37	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 11:36	PGJ	TAL PIT

Client Sample ID: SW-CB07-1114-U

Lab Sample ID: 480-71249-4

Date Collected: 11/11/14 16:28

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214152	11/14/14 12:12	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216898	12/03/14 17:55	JMM	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	215561	11/17/14 20:52	TRB	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	214891	11/18/14 11:37	TRB	TAL BUF
Total/NA	Prep	7470A			213925	11/14/14 08:15	TAS	TAL BUF
Total/NA	Analysis	7470A		1	214166	11/14/14 13:48	LRK	TAL BUF
Total/NA	Prep	9012B			215498	11/22/14 08:42	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 12:40	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 11:38	PGJ	TAL PIT

Client Sample ID: SW-CB08-1114-F

Lab Sample ID: 480-71249-5

Date Collected: 11/12/14 09:50

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214152	11/14/14 12:12	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216898	12/03/14 18:21	JMM	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	215561	11/17/14 20:55	TRB	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	216375	11/28/14 10:07	AMH	TAL BUF
Total/NA	Prep	7470A			213925	11/14/14 08:15	TAS	TAL BUF
Total/NA	Analysis	7470A		1	214166	11/14/14 13:50	LRK	TAL BUF
Total/NA	Prep	9012B			215498	11/22/14 08:42	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 12:43	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 11:39	PGJ	TAL PIT

Client Sample ID: SW-CB08-1114-U

Lab Sample ID: 480-71249-6

Date Collected: 11/12/14 09:24

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214152	11/14/14 12:12	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216898	12/03/14 18:47	JMM	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	215561	11/17/14 20:58	TRB	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	216375	11/28/14 10:10	AMH	TAL BUF
Total/NA	Prep	7470A			213925	11/14/14 08:15	TAS	TAL BUF
Total/NA	Analysis	7470A		1	214166	11/14/14 13:51	LRK	TAL BUF
Total/NA	Prep	9012B			215498	11/22/14 08:42	EKB	TAL BUF

Client Sample ID: SW-CB08-1114-U

Lab Sample ID: 480-71249-6

Date Collected: 11/12/14 09:24

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9012B		1	215718	11/24/14 12:50	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 11:41	PGJ	TAL PIT

Client Sample ID: SW-CB10-1114-F

Lab Sample ID: 480-71249-7

Date Collected: 11/12/14 10:55

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214152	11/14/14 12:12	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216898	12/03/14 19:13	JMM	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	215561	11/17/14 21:00	TRB	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	214891	11/18/14 11:39	TRB	TAL BUF
Total/NA	Prep	7470A			213925	11/14/14 08:15	TAS	TAL BUF
Total/NA	Analysis	7470A		1	214166	11/14/14 13:53	LRK	TAL BUF
Total/NA	Prep	9012B			215498	11/22/14 08:42	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 12:44	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 11:51	PGJ	TAL PIT

Client Sample ID: SW-CB10-1114-U

Lab Sample ID: 480-71249-8

Date Collected: 11/12/14 10:30

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214152	11/14/14 12:12	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216898	12/03/14 19:38	JMM	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	215561	11/17/14 21:03	TRB	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	214891	11/18/14 11:42	TRB	TAL BUF
Total/NA	Prep	7470A			214033	11/14/14 10:25	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214367	11/14/14 13:54	LRK	TAL BUF
Total/NA	Prep	9012B			215498	11/22/14 08:42	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 12:51	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 11:53	PGJ	TAL PIT

Client Sample ID: SW-CB11-1114-F

Lab Sample ID: 480-71249-9

Date Collected: 11/12/14 12:35

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214152	11/14/14 12:12	TRG	TAL BUF

Client Sample ID: SW-CB11-1114-F

Lab Sample ID: 480-71249-9

Date Collected: 11/12/14 12:35

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	216898	12/03/14 20:04	JMM	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	215561	11/17/14 21:14	TRB	TAL BUF
Total/NA	Prep	7470A			214033	11/14/14 10:25	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214367	11/14/14 13:56	LRK	TAL BUF
Total/NA	Prep	9012B			215498	11/22/14 08:42	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 12:53	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 11:54	PGJ	TAL PIT

Client Sample ID: SW-CB11-1114-U

Lab Sample ID: 480-71249-10

Date Collected: 11/12/14 12:20

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214152	11/14/14 12:12	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216898	12/03/14 20:30	JMM	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	215561	11/17/14 21:17	TRB	TAL BUF
Total/NA	Prep	7470A			214033	11/14/14 10:25	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214367	11/14/14 13:58	LRK	TAL BUF
Total/NA	Prep	9012B			215502	11/22/14 13:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 13:40	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 11:56	PGJ	TAL PIT

Client Sample ID: SW-CB12-1114-F

Lab Sample ID: 480-71249-11

Date Collected: 11/12/14 13:45

Matrix: Water

Date Received: 11/12/14 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214152	11/14/14 12:12	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216898	12/03/14 20:56	JMM	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	215561	11/17/14 21:20	TRB	TAL BUF
Total/NA	Prep	7470A			214033	11/14/14 10:25	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214367	11/14/14 13:59	LRK	TAL BUF
Total/NA	Prep	9012B			215502	11/22/14 13:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 13:42	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 11:57	PGJ	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Client Sample ID: SW-CB12-1114-U
Date Collected: 11/12/14 13:30
Date Received: 11/12/14 16:00

Lab Sample ID: 480-71249-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214152	11/14/14 12:12	TRG	TAL BUF
Total/NA	Analysis	8270D		1	216898	12/03/14 21:22	JMM	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	215561	11/17/14 21:23	TRB	TAL BUF
Total/NA	Prep	3005A			213934	11/14/14 08:13	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	214891	11/18/14 11:45	TRB	TAL BUF
Total/NA	Prep	7470A			214033	11/14/14 10:25	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214367	11/14/14 14:01	LRK	TAL BUF
Total/NA	Prep	9012B			215502	11/22/14 13:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215718	11/24/14 13:43	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 11:59	PGJ	TAL PIT

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3510C	Water	9-Octadecenamide
8270D	3510C	Water	Alachlor

Laboratory: TestAmerica Pittsburgh

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-15

Method Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
OIA-1677	Cyanide, Available (Flow Injection)	OI CORP	TAL PIT

Protocol References:

OI CORP = OI Corporation Instrument Manual.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71249-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-71249-1	SW-CB06-1114-F	Water	11/11/14 15:50	11/12/14 16:00
480-71249-2	SW-CB06-1114-U	Water	11/11/14 15:30	11/12/14 16:00
480-71249-3	SW-CB07-1114-F	Water	11/11/14 17:00	11/12/14 16:00
480-71249-4	SW-CB07-1114-U	Water	11/11/14 16:28	11/12/14 16:00
480-71249-5	SW-CB08-1114-F	Water	11/12/14 09:50	11/12/14 16:00
480-71249-6	SW-CB08-1114-U	Water	11/12/14 09:24	11/12/14 16:00
480-71249-7	SW-CB10-1114-F	Water	11/12/14 10:55	11/12/14 16:00
480-71249-8	SW-CB10-1114-U	Water	11/12/14 10:30	11/12/14 16:00
480-71249-9	SW-CB11-1114-F	Water	11/12/14 12:35	11/12/14 16:00
480-71249-10	SW-CB11-1114-U	Water	11/12/14 12:20	11/12/14 16:00
480-71249-11	SW-CB12-1114-F	Water	11/12/14 13:45	11/12/14 16:00
480-71249-12	SW-CB12-1114-U	Water	11/12/14 13:30	11/12/14 16:00

Chain of Custody Record

Temperature on Rece

Drinking Water? Yes

480-71249 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC	Heidi Dudek	11-12-14	278876
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
625 Broadway, 12th Floor	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Pilsbury	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP CN Trackdown; Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site No. 915193A, Parcel 4, Lab Callout			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Free CN	Avail CN	Total CN	TCL SVOCs+20	Hg, TAL metals
SW-CB06-1114-F	11-11-14	15:50		X			X		X		X	X		X	X	X	X
SW-CB06-1114-G	11-11-14	15:30		X			X		X		X	X		X	X	X	X
SW-CB07-1114-F	11-11-14	17:00		X			X		X		X	X		X	X	X	X
SW-CB07-1114-G	11-11-14	16:28		X			X		X		X	X		X	X	X	X
SW-CB08-1114-F	11-12-14	9:50		X			X		X		X	X		X	X	X	X
SW-CB08-1114-G	11-12-14	9:24		X			X		X		X	X		X	X	X	X
SW-CB10-1114-F	11-12-14	10:55		X			X		X		X	X		X	X	X	X
SW-CB10-1114-G	11-12-14	10:30		X			X		X		X	X		X	X	X	X
SW-CB11-1114-F	11-12-14	12:35		X			X		X		X	X		X	X	X	X
SW-CB11-1114-G	11-12-14	12:20		X			X		X		X	X		X	X	X	X
SW-CB12-1114-F	11-12-14	13:45		X			X		X		X	X		X	X	X	X
SW-CB12-1114-G	11-12-14	13:30		X			X		X		X	X		X	X	X	X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	David Fakim	11-12-14	15:05		11/12/14	15:05
2.	Jay Fogle	11/12/14	16:00		11/12/14	16:00
3.						

Comments

7.1 81

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21416.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.				Job #: 480-71249-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/24/2014			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email:	WO #:			
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SW-CB06-1114-F (480-71249-1)	11/11/14	15:50 Eastern		Water			X	1	
SW-CB06-1114-U (480-71249-2)	11/11/14	15:30 Eastern		Water			X	1	
SW-CB07-1114-F (480-71249-3)	11/11/14	17:00 Eastern		Water			X	1	
SW-CB07-1114-U (480-71249-4)	11/11/14	16:28 Eastern		Water			X	1	
SW-CB08-1114-F (480-71249-5)	11/12/14	09:50 Eastern		Water			X	1	
SW-CB08-1114-U (480-71249-6)	11/12/14	09:24 Eastern		Water			X	1	
SW-CB10-1114-F (480-71249-7)	11/12/14	10:55 Eastern		Water			X	1	
SW-CB10-1114-U (480-71249-8)	11/12/14	10:30 Eastern		Water			X	1	
SW-CB11-1114-F (480-71249-9)	11/12/14	12:35 Eastern		Water			X	1	
SW-CB11-1114-U (480-71249-10)	11/12/14	12:20 Eastern		Water			X	1	
SW-CB12-1114-F (480-71249-11)	11/12/14	13:45 Eastern		Water			X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Cameron Walker	11-13-14 1700		D Watson	11-14-14	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 9:15	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

12/9/2014

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

14AA

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21416.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-71249-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/24/2014			Preservation Codes:
City: Pittsburgh	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: PA, 15238	PO #:			
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	WO #:			Other:
Email:	Project #: 48010749			
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	SSOW#:			
Site:				

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SW-CB12-1114-U (480-71249-12)	11/12/14	13:30 Eastern		Water			X		

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Cameron Wallace	11-13-14 1700	TAB	V Watson	11-14-14 902	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71249-1

Login Number: 71249

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	dec
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71249-1

Login Number: 71249
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 11/14/14 04:51 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-71360-1
Client Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Joseph V. Giacomazza

Authorized for release by:
12/9/2014 3:14:17 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

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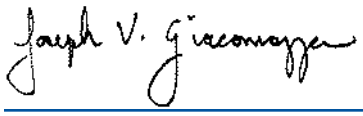
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Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
12/9/2014 3:14:17 PM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-71360-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-71360-1

Receipt
The samples were received on 11/13/2014 3:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS Semi VOA
Method(s) 8270D: The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: 3-Nitroaniline, 4-Chloroaniline and Benzidine. These analytes may have a %D >60% if the average %D of all the analytes in the continuing calibration verification (CCV) is 30%.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 217013 was outside the method criteria for the following analytes: Hexachlorocyclopentadiene and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes are considered estimated.

Method(s) 8270D: The laboratory control sample (LCS) for batch 214251 recovered outside control limits for the following analytes: 3-Nitroaniline and 4,6-Dinitro-2-Methylphenol. These analytes have been identified as a poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270D: The laboratory control sample (LCS) for batch 214251 recovered outside control limits for 4-Bromophenyl phenyl ether, 4-Chlorophenyl phenyl ether and Indeno[1,2,3-cd] pyrene. Four analytes are allowed outside limits when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified. (LCS 480-214251/2-A)

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: SW-CB-13-1114-F (480-71360-2), SW-CB-13-1114-U (480-71360-1), SW-CB-14-1114-F (480-71360-4), SW-CB-14-1114-U (480-71360-3), SW-CB-17-1114-F (480-71360-6), SW-CB-17-1114-U (480-71360-5), SW-CB-18-1114-F (480-71360-8), SW-CB-18-1114-U (480-71360-7), SW-CB-19-1114-F (480-71360-10), SW-CB-19-1114-U (480-71360-9). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The continuing calibration verification (CCV 480-214764/25) recovered above the upper control limit for total copper. The samples associated with this CCV were below the laboratory's standard reporting limit for the affected analyte; therefore, the data have been reported. The following samples are impacted: SW-CB-14-1114-F (480-71360-4), SW-CB-17-1114-F (480-71360-6), SW-CB-17-1114-U (480-71360-5), SW-CB-18-1114-F (480-71360-8), SW-CB-18-1114-U (480-71360-7), SW-CB-19-1114-F (480-71360-10), SW-CB-19-1114-U (480-71360-9).

Method(s) 6010C: The recoveries of Post Spike, (480-71360-1 PDS), in batch 480-214138 exhibited results outside the quality control limits for total aluminum, arsenic, barium, potassium, magnesium, sodium, selenium, and vanadium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-13-1114-U
Date Collected: 11/12/14 15:40
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.6	0.45	ug/L		11/15/14 08:01	12/03/14 23:20	1
2,4,6-Trichlorophenol	ND		4.6	0.57	ug/L		11/15/14 08:01	12/03/14 23:20	1
2,4-Dichlorophenol	ND		4.6	0.47	ug/L		11/15/14 08:01	12/03/14 23:20	1
2,4-Dimethylphenol	ND		4.6	0.46	ug/L		11/15/14 08:01	12/03/14 23:20	1
2,4-Dinitrophenol	ND		9.3	2.1	ug/L		11/15/14 08:01	12/03/14 23:20	1
2,4-Dinitrotoluene	ND		4.6	0.42	ug/L		11/15/14 08:01	12/03/14 23:20	1
2,6-Dinitrotoluene	ND		4.6	0.37	ug/L		11/15/14 08:01	12/03/14 23:20	1
2-Chloronaphthalene	ND		4.6	0.43	ug/L		11/15/14 08:01	12/03/14 23:20	1
2-Chlorophenol	ND		4.6	0.49	ug/L		11/15/14 08:01	12/03/14 23:20	1
2-Methylnaphthalene	ND		4.6	0.56	ug/L		11/15/14 08:01	12/03/14 23:20	1
2-Methylphenol	ND		4.6	0.37	ug/L		11/15/14 08:01	12/03/14 23:20	1
2-Nitroaniline	ND		9.3	0.39	ug/L		11/15/14 08:01	12/03/14 23:20	1
2-Nitrophenol	ND		4.6	0.45	ug/L		11/15/14 08:01	12/03/14 23:20	1
3,3'-Dichlorobenzidine	ND		4.6	0.37	ug/L		11/15/14 08:01	12/03/14 23:20	1
3-Nitroaniline	ND	*	9.3	0.45	ug/L		11/15/14 08:01	12/03/14 23:20	1
4,6-Dinitro-2-methylphenol	ND	*	9.3	2.0	ug/L		11/15/14 08:01	12/03/14 23:20	1
4-Bromophenyl phenyl ether	ND	*	4.6	0.42	ug/L		11/15/14 08:01	12/03/14 23:20	1
4-Chloro-3-methylphenol	ND		4.6	0.42	ug/L		11/15/14 08:01	12/03/14 23:20	1
4-Chloroaniline	ND		4.6	0.55	ug/L		11/15/14 08:01	12/03/14 23:20	1
4-Chlorophenyl phenyl ether	ND	*	4.6	0.33	ug/L		11/15/14 08:01	12/03/14 23:20	1
4-Methylphenol	**0.56**	**J**	9.3	0.33	ug/L		11/15/14 08:01	12/03/14 23:20	1
4-Nitroaniline	ND		9.3	0.23	ug/L		11/15/14 08:01	12/03/14 23:20	1
4-Nitrophenol	ND		9.3	1.4	ug/L		11/15/14 08:01	12/03/14 23:20	1
Acenaphthene	ND		4.6	0.38	ug/L		11/15/14 08:01	12/03/14 23:20	1
Acenaphthylene	ND		4.6	0.35	ug/L		11/15/14 08:01	12/03/14 23:20	1
Acetophenone	ND		4.6	0.50	ug/L		11/15/14 08:01	12/03/14 23:20	1
Anthracene	ND		4.6	0.26	ug/L		11/15/14 08:01	12/03/14 23:20	1
Atrazine	ND		4.6	0.43	ug/L		11/15/14 08:01	12/03/14 23:20	1
Benzaldehyde	**0.84**	**J B**	4.6	0.25	ug/L		11/15/14 08:01	12/03/14 23:20	1
Benzo[a]anthracene	ND		4.6	0.33	ug/L		11/15/14 08:01	12/03/14 23:20	1
Benzo[a]pyrene	ND		4.6	0.44	ug/L		11/15/14 08:01	12/03/14 23:20	1
Benzo[b]fluoranthene	ND		4.6	0.32	ug/L		11/15/14 08:01	12/03/14 23:20	1
Benzo[g,h,i]perylene	ND		4.6	0.33	ug/L		11/15/14 08:01	12/03/14 23:20	1
Benzo[k]fluoranthene	ND		4.6	0.68	ug/L		11/15/14 08:01	12/03/14 23:20	1
Biphenyl	ND		4.6	0.61	ug/L		11/15/14 08:01	12/03/14 23:20	1
bis (2-chloroisopropyl) ether	ND		4.6	0.48	ug/L		11/15/14 08:01	12/03/14 23:20	1
Bis(2-chloroethoxy)methane	ND		4.6	0.33	ug/L		11/15/14 08:01	12/03/14 23:20	1
Bis(2-chloroethyl)ether	ND		4.6	0.37	ug/L		11/15/14 08:01	12/03/14 23:20	1
Bis(2-ethylhexyl) phthalate	**2.9**	**J B**	4.6	1.7	ug/L		11/15/14 08:01	12/03/14 23:20	1
Butyl benzyl phthalate	ND		4.6	0.39	ug/L		11/15/14 08:01	12/03/14 23:20	1
Caprolactam	ND		4.6	2.0	ug/L		11/15/14 08:01	12/03/14 23:20	1
Carbazole	ND		4.6	0.28	ug/L		11/15/14 08:01	12/03/14 23:20	1
Chrysene	ND		4.6	0.31	ug/L		11/15/14 08:01	12/03/14 23:20	1
Dibenz(a,h)anthracene	ND		4.6	0.39	ug/L		11/15/14 08:01	12/03/14 23:20	1
Dibenzofuran	ND		9.3	0.47	ug/L		11/15/14 08:01	12/03/14 23:20	1
Diethyl phthalate	ND		4.6	0.20	ug/L		11/15/14 08:01	12/03/14 23:20	1
Dimethyl phthalate	ND		4.6	0.33	ug/L		11/15/14 08:01	12/03/14 23:20	1
Di-n-butyl phthalate	ND		4.6	0.29	ug/L		11/15/14 08:01	12/03/14 23:20	1
Di-n-octyl phthalate	ND		4.6	0.44	ug/L		11/15/14 08:01	12/03/14 23:20	1

Client Sample ID: SW-CB-13-1114-U
Date Collected: 11/12/14 15:40
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.6	0.37	ug/L		11/15/14 08:01	12/03/14 23:20	1
Fluorene	ND		4.6	0.33	ug/L		11/15/14 08:01	12/03/14 23:20	1
Hexachlorobenzene	ND		4.6	0.47	ug/L		11/15/14 08:01	12/03/14 23:20	1
Hexachlorobutadiene	ND		4.6	0.63	ug/L		11/15/14 08:01	12/03/14 23:20	1
Hexachlorocyclopentadiene	ND		4.6	0.55	ug/L		11/15/14 08:01	12/03/14 23:20	1
Hexachloroethane	ND		4.6	0.55	ug/L		11/15/14 08:01	12/03/14 23:20	1
Indeno[1,2,3-cd]pyrene	ND	*	4.6	0.44	ug/L		11/15/14 08:01	12/03/14 23:20	1
Isophorone	ND		4.6	0.40	ug/L		11/15/14 08:01	12/03/14 23:20	1
Naphthalene	ND		4.6	0.71	ug/L		11/15/14 08:01	12/03/14 23:20	1
Nitrobenzene	ND		4.6	0.27	ug/L		11/15/14 08:01	12/03/14 23:20	1
N-Nitrosodi-n-propylamine	ND		4.6	0.50	ug/L		11/15/14 08:01	12/03/14 23:20	1
N-Nitrosodiphenylamine	ND		4.6	0.47	ug/L		11/15/14 08:01	12/03/14 23:20	1
Pentachlorophenol	ND		9.3	2.0	ug/L		11/15/14 08:01	12/03/14 23:20	1
Phenanthrene	ND		4.6	0.41	ug/L		11/15/14 08:01	12/03/14 23:20	1
Phenol	**0.58**	**J B**	4.6	0.36	ug/L		11/15/14 08:01	12/03/14 23:20	1
Pyrene	ND		4.6	0.32	ug/L		11/15/14 08:01	12/03/14 23:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.2*	*T J*	*ug/L*		*3.12*		*11/15/14 08:01*	*12/03/14 23:20*	*1*
Unknown	*4.4*	*T J*	*ug/L*		*4.61*		*11/15/14 08:01*	*12/03/14 23:20*	*1*
Acrylamide	*7.7*		*ug/L*		*4.81*	*79-06-1*	*11/15/14 08:01*	*12/03/14 23:20*	*1*
Cyclotetrasiloxane, octamethyl-	*13*	*T J N*	*ug/L*		*5.66*	*556-67-2*	*11/15/14 08:01*	*12/03/14 23:20*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*6.04*		*11/15/14 08:01*	*12/03/14 23:20*	*1*
D-Limonene	*4.3*	*T J N*	*ug/L*		*6.06*	*5989-27-5*	*11/15/14 08:01*	*12/03/14 23:20*	*1*
Benzyl alcohol	*0.50*	*J B*	*ug/L*		*6.11*	*100-51-6*	*11/15/14 08:01*	*12/03/14 23:20*	*1*
Unknown	*6.8*	*T J*	*ug/L*		*9.88*		*11/15/14 08:01*	*12/03/14 23:20*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*10.40*		*11/15/14 08:01*	*12/03/14 23:20*	*1*
Unknown	*23*	*T J*	*ug/L*		*10.75*		*11/15/14 08:01*	*12/03/14 23:20*	*1*
Unknown	*9.0*	*T J*	*ug/L*		*11.23*		*11/15/14 08:01*	*12/03/14 23:20*	*1*
Unknown	*4.1*	*T J*	*ug/L*		*11.90*		*11/15/14 08:01*	*12/03/14 23:20*	*1*
Unknown	*15*	*T J*	*ug/L*		*12.15*		*11/15/14 08:01*	*12/03/14 23:20*	*1*
Unknown	*30*	*T J*	*ug/L*		*12.55*		*11/15/14 08:01*	*12/03/14 23:20*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*12.94*		*11/15/14 08:01*	*12/03/14 23:20*	*1*
Unknown	*17*	*T J*	*ug/L*		*13.23*		*11/15/14 08:01*	*12/03/14 23:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*52 - 132*	*11/15/14 08:01*	*12/03/14 23:20*	*1*
2-Fluorobiphenyl	*50*		*48 - 120*	*11/15/14 08:01*	*12/03/14 23:20*	*1*
2-Fluorophenol (Surr)	*51*		*20 - 120*	*11/15/14 08:01*	*12/03/14 23:20*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 120*	*11/15/14 08:01*	*12/03/14 23:20*	*1*
Phenol-d5 (Surr)	*33*		*16 - 120*	*11/15/14 08:01*	*12/03/14 23:20*	*1*
p-Terphenyl-d14 (Surr)	*59*	*X*	*67 - 150*	*11/15/14 08:01*	*12/03/14 23:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 12:01	11/17/14 20:53	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 12:01	11/17/14 20:53	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 12:01	11/17/14 20:53	1
Barium	**0.15**		0.0020	0.00070	mg/L		11/14/14 12:01	11/17/14 20:53	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 12:01	11/17/14 20:53	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-13-1114-U
Date Collected: 11/12/14 15:40
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 12:01	11/17/14 20:53	1
Calcium	**209**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 20:53	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 12:01	11/17/14 20:53	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 12:01	11/17/14 20:53	1
Copper	**0.0022**	**J**	0.010	0.0016	mg/L		11/14/14 12:01	11/19/14 21:27	1
Iron	ND		0.050	0.019	mg/L		11/14/14 12:01	11/19/14 21:27	1
Lead	**0.0033**	**J**	0.010	0.0030	mg/L		11/14/14 12:01	11/17/14 20:53	1
Magnesium	**0.27**		0.20	0.043	mg/L		11/14/14 12:01	11/17/14 20:53	1
Manganese	**0.012**		0.0030	0.00040	mg/L		11/14/14 12:01	11/17/14 20:53	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 12:01	11/17/14 20:53	1
Potassium	**27.6**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 20:53	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 12:01	11/17/14 20:53	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 12:01	11/17/14 20:53	1
Sodium	**45.5**		1.0	0.32	mg/L		11/14/14 12:01	11/17/14 20:53	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 12:01	11/17/14 20:53	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 12:01	11/17/14 20:53	1
Zinc	**0.0095**	**J B**	0.010	0.0015	mg/L		11/14/14 12:01	11/17/14 20:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/17/14 13:10	11/18/14 11:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/24/14 13:20	11/25/14 11:00	1
Cyanide, Available	**0.0019**	**J**	0.0020	0.0018	mg/L			11/25/14 12:05	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-13-1114-F
Date Collected: 11/12/14 16:00
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		11/15/14 08:01	12/03/14 23:45	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		11/15/14 08:01	12/03/14 23:45	1
2,4-Dichlorophenol	ND		5.2	0.54	ug/L		11/15/14 08:01	12/03/14 23:45	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		11/15/14 08:01	12/03/14 23:45	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		11/15/14 08:01	12/03/14 23:45	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		11/15/14 08:01	12/03/14 23:45	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		11/15/14 08:01	12/03/14 23:45	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		11/15/14 08:01	12/03/14 23:45	1
2-Chlorophenol	ND		5.2	0.56	ug/L		11/15/14 08:01	12/03/14 23:45	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		11/15/14 08:01	12/03/14 23:45	1
2-Methylphenol	ND		5.2	0.42	ug/L		11/15/14 08:01	12/03/14 23:45	1
2-Nitroaniline	ND		10	0.44	ug/L		11/15/14 08:01	12/03/14 23:45	1
2-Nitrophenol	ND		5.2	0.50	ug/L		11/15/14 08:01	12/03/14 23:45	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		11/15/14 08:01	12/03/14 23:45	1
3-Nitroaniline	ND	*	10	0.50	ug/L		11/15/14 08:01	12/03/14 23:45	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		11/15/14 08:01	12/03/14 23:45	1
4-Bromophenyl phenyl ether	ND	*	5.2	0.47	ug/L		11/15/14 08:01	12/03/14 23:45	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		11/15/14 08:01	12/03/14 23:45	1
4-Chloroaniline	ND		5.2	0.62	ug/L		11/15/14 08:01	12/03/14 23:45	1
4-Chlorophenyl phenyl ether	ND	*	5.2	0.37	ug/L		11/15/14 08:01	12/03/14 23:45	1
4-Methylphenol	**0.49**	**J**	10	0.38	ug/L		11/15/14 08:01	12/03/14 23:45	1
4-Nitroaniline	ND		10	0.26	ug/L		11/15/14 08:01	12/03/14 23:45	1
4-Nitrophenol	ND		10	1.6	ug/L		11/15/14 08:01	12/03/14 23:45	1
Acenaphthene	ND		5.2	0.43	ug/L		11/15/14 08:01	12/03/14 23:45	1
Acenaphthylene	ND		5.2	0.40	ug/L		11/15/14 08:01	12/03/14 23:45	1
Acetophenone	ND		5.2	0.57	ug/L		11/15/14 08:01	12/03/14 23:45	1
Anthracene	ND		5.2	0.29	ug/L		11/15/14 08:01	12/03/14 23:45	1
Atrazine	ND		5.2	0.48	ug/L		11/15/14 08:01	12/03/14 23:45	1
Benzaldehyde	**0.92**	**J B**	5.2	0.28	ug/L		11/15/14 08:01	12/03/14 23:45	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/15/14 08:01	12/03/14 23:45	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/15/14 08:01	12/03/14 23:45	1
Benzo[b]fluoranthene	ND		5.2	0.36	ug/L		11/15/14 08:01	12/03/14 23:45	1
Benzo[g,h,i]perylene	ND		5.2	0.37	ug/L		11/15/14 08:01	12/03/14 23:45	1
Benzo[k]fluoranthene	ND		5.2	0.77	ug/L		11/15/14 08:01	12/03/14 23:45	1
Biphenyl	ND		5.2	0.69	ug/L		11/15/14 08:01	12/03/14 23:45	1
bis (2-chloroisopropyl) ether	ND		5.2	0.55	ug/L		11/15/14 08:01	12/03/14 23:45	1
Bis(2-chloroethoxy)methane	ND		5.2	0.37	ug/L		11/15/14 08:01	12/03/14 23:45	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		11/15/14 08:01	12/03/14 23:45	1
Bis(2-ethylhexyl) phthalate	**3.2**	**J B**	5.2	1.9	ug/L		11/15/14 08:01	12/03/14 23:45	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		11/15/14 08:01	12/03/14 23:45	1
Caprolactam	ND		5.2	2.3	ug/L		11/15/14 08:01	12/03/14 23:45	1
Carbazole	ND		5.2	0.31	ug/L		11/15/14 08:01	12/03/14 23:45	1
Chrysene	ND		5.2	0.35	ug/L		11/15/14 08:01	12/03/14 23:45	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/15/14 08:01	12/03/14 23:45	1
Dibenzofuran	ND		10	0.54	ug/L		11/15/14 08:01	12/03/14 23:45	1
Diethyl phthalate	ND		5.2	0.23	ug/L		11/15/14 08:01	12/03/14 23:45	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		11/15/14 08:01	12/03/14 23:45	1
Di-n-butyl phthalate	ND		5.2	0.33	ug/L		11/15/14 08:01	12/03/14 23:45	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		11/15/14 08:01	12/03/14 23:45	1

Client Sample ID: SW-CB-13-1114-F
Date Collected: 11/12/14 16:00
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		11/15/14 08:01	12/03/14 23:45	1
Fluorene	ND		5.2	0.38	ug/L		11/15/14 08:01	12/03/14 23:45	1
Hexachlorobenzene	ND		5.2	0.54	ug/L		11/15/14 08:01	12/03/14 23:45	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		11/15/14 08:01	12/03/14 23:45	1
Hexachlorocyclopentadiene	ND		5.2	0.62	ug/L		11/15/14 08:01	12/03/14 23:45	1
Hexachloroethane	ND		5.2	0.62	ug/L		11/15/14 08:01	12/03/14 23:45	1
Indeno[1,2,3-cd]pyrene	ND	*	5.2	0.49	ug/L		11/15/14 08:01	12/03/14 23:45	1
Isophorone	ND		5.2	0.45	ug/L		11/15/14 08:01	12/03/14 23:45	1
Naphthalene	ND		5.2	0.80	ug/L		11/15/14 08:01	12/03/14 23:45	1
Nitrobenzene	ND		5.2	0.30	ug/L		11/15/14 08:01	12/03/14 23:45	1
N-Nitrosodi-n-propylamine	ND		5.2	0.57	ug/L		11/15/14 08:01	12/03/14 23:45	1
N-Nitrosodiphenylamine	ND		5.2	0.54	ug/L		11/15/14 08:01	12/03/14 23:45	1
Pentachlorophenol	ND		10	2.3	ug/L		11/15/14 08:01	12/03/14 23:45	1
Phenanthrene	ND		5.2	0.46	ug/L		11/15/14 08:01	12/03/14 23:45	1
Phenol	**0.48**	**J B**	5.2	0.41	ug/L		11/15/14 08:01	12/03/14 23:45	1
Pyrene	ND		5.2	0.36	ug/L		11/15/14 08:01	12/03/14 23:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*71*	*T J*	*ug/L*		*3.14*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*4.58*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Acrylamide	*8.6*		*ug/L*		*4.83*	*79-06-1*	*11/15/14 08:01*	*12/03/14 23:45*	*1*
Cyclotetrasiloxane, octamethyl-	*3.7*	*T J N*	*ug/L*		*5.66*	*556-67-2*	*11/15/14 08:01*	*12/03/14 23:45*	*1*
1-Hexanol, 2-ethyl-	*3.3*	*T J N*	*ug/L*		*6.03*	*104-76-7*	*11/15/14 08:01*	*12/03/14 23:45*	*1*
Cyclopentasiloxane, decamethyl-	*2.9*	*T J N*	*ug/L*		*6.60*	*541-02-6*	*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*7.9*	*T J*	*ug/L*		*9.87*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*10.40*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*26*	*T J*	*ug/L*		*10.75*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*11*	*T J*	*ug/L*		*11.23*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*41*	*T J*	*ug/L*		*11.60*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*4.8*	*T J*	*ug/L*		*11.90*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*17*	*T J*	*ug/L*		*12.15*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*33*	*T J*	*ug/L*		*12.54*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Kepone	*3.9*	*J*	*ug/L*		*12.56*	*143-50-0*	*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*12.94*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*18*	*T J*	*ug/L*		*13.23*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*14.16*		*11/15/14 08:01*	*12/03/14 23:45*	*1*
Unknown	*17*	*T J*	*ug/L*		*14.50*		*11/15/14 08:01*	*12/03/14 23:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*52 - 132*	*11/15/14 08:01*	*12/03/14 23:45*	*1*
2-Fluorobiphenyl	*50*		*48 - 120*	*11/15/14 08:01*	*12/03/14 23:45*	*1*
2-Fluorophenol (Surr)	*49*		*20 - 120*	*11/15/14 08:01*	*12/03/14 23:45*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 120*	*11/15/14 08:01*	*12/03/14 23:45*	*1*
Phenol-d5 (Surr)	*35*		*16 - 120*	*11/15/14 08:01*	*12/03/14 23:45*	*1*
p-Terphenyl-d14 (Surr)	*58*	*X*	*67 - 150*	*11/15/14 08:01*	*12/03/14 23:45*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 12:01	11/17/14 21:06	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 12:01	11/17/14 21:06	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-13-1114-F
Date Collected: 11/12/14 16:00
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 12:01	11/17/14 21:06	1
Barium	**0.15**		0.0020	0.00070	mg/L		11/14/14 12:01	11/17/14 21:06	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 12:01	11/17/14 21:06	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 12:01	11/17/14 21:06	1
Calcium	**217**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:06	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 12:01	11/17/14 21:06	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 12:01	11/17/14 21:06	1
Copper	ND		0.010	0.0016	mg/L		11/14/14 12:01	11/19/14 21:41	1
Iron	ND		0.050	0.019	mg/L		11/14/14 12:01	11/19/14 21:41	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 12:01	11/17/14 21:06	1
Magnesium	**0.12**	**J**	0.20	0.043	mg/L		11/14/14 12:01	11/17/14 21:06	1
Manganese	ND		0.0030	0.00040	mg/L		11/14/14 12:01	11/17/14 21:06	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 12:01	11/17/14 21:06	1
Potassium	**28.5**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:06	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 12:01	11/17/14 21:06	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 12:01	11/17/14 21:06	1
Sodium	**47.1**		1.0	0.32	mg/L		11/14/14 12:01	11/17/14 21:06	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 12:01	11/17/14 21:06	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 12:01	11/17/14 21:06	1
Zinc	**0.0081**	**J B**	0.010	0.0015	mg/L		11/14/14 12:01	11/17/14 21:06	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/17/14 13:10	11/18/14 11:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/24/14 13:20	11/25/14 11:01	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 12:15	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-14-1114-U
Date Collected: 11/13/14 10:24
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		11/15/14 08:01	12/04/14 00:10	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		11/15/14 08:01	12/04/14 00:10	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		11/15/14 08:01	12/04/14 00:10	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		11/15/14 08:01	12/04/14 00:10	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		11/15/14 08:01	12/04/14 00:10	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		11/15/14 08:01	12/04/14 00:10	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 00:10	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		11/15/14 08:01	12/04/14 00:10	1
2-Chlorophenol	ND		5.2	0.55	ug/L		11/15/14 08:01	12/04/14 00:10	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		11/15/14 08:01	12/04/14 00:10	1
2-Methylphenol	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 00:10	1
2-Nitroaniline	ND		10	0.44	ug/L		11/15/14 08:01	12/04/14 00:10	1
2-Nitrophenol	ND		5.2	0.50	ug/L		11/15/14 08:01	12/04/14 00:10	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 00:10	1
3-Nitroaniline	ND	*	10	0.50	ug/L		11/15/14 08:01	12/04/14 00:10	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		11/15/14 08:01	12/04/14 00:10	1
4-Bromophenyl phenyl ether	ND	*	5.2	0.47	ug/L		11/15/14 08:01	12/04/14 00:10	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		11/15/14 08:01	12/04/14 00:10	1
4-Chloroaniline	ND		5.2	0.61	ug/L		11/15/14 08:01	12/04/14 00:10	1
4-Chlorophenyl phenyl ether	ND	*	5.2	0.36	ug/L		11/15/14 08:01	12/04/14 00:10	1
4-Methylphenol	**0.56**	**J**	10	0.38	ug/L		11/15/14 08:01	12/04/14 00:10	1
4-Nitroaniline	ND		10	0.26	ug/L		11/15/14 08:01	12/04/14 00:10	1
4-Nitrophenol	ND		10	1.6	ug/L		11/15/14 08:01	12/04/14 00:10	1
Acenaphthene	ND		5.2	0.43	ug/L		11/15/14 08:01	12/04/14 00:10	1
Acenaphthylene	ND		5.2	0.40	ug/L		11/15/14 08:01	12/04/14 00:10	1
Acetophenone	ND		5.2	0.56	ug/L		11/15/14 08:01	12/04/14 00:10	1
Anthracene	ND		5.2	0.29	ug/L		11/15/14 08:01	12/04/14 00:10	1
Atrazine	ND		5.2	0.48	ug/L		11/15/14 08:01	12/04/14 00:10	1
Benzaldehyde	**0.87**	**J B**	5.2	0.28	ug/L		11/15/14 08:01	12/04/14 00:10	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/15/14 08:01	12/04/14 00:10	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/15/14 08:01	12/04/14 00:10	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/15/14 08:01	12/04/14 00:10	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/15/14 08:01	12/04/14 00:10	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/15/14 08:01	12/04/14 00:10	1
Biphenyl	ND		5.2	0.68	ug/L		11/15/14 08:01	12/04/14 00:10	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		11/15/14 08:01	12/04/14 00:10	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		11/15/14 08:01	12/04/14 00:10	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 00:10	1
Bis(2-ethylhexyl) phthalate	**3.2**	**J B**	5.2	1.9	ug/L		11/15/14 08:01	12/04/14 00:10	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		11/15/14 08:01	12/04/14 00:10	1
Caprolactam	ND		5.2	2.3	ug/L		11/15/14 08:01	12/04/14 00:10	1
Carbazole	ND		5.2	0.31	ug/L		11/15/14 08:01	12/04/14 00:10	1
Chrysene	ND		5.2	0.34	ug/L		11/15/14 08:01	12/04/14 00:10	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/15/14 08:01	12/04/14 00:10	1
Dibenzofuran	ND		10	0.53	ug/L		11/15/14 08:01	12/04/14 00:10	1
Diethyl phthalate	ND		5.2	0.23	ug/L		11/15/14 08:01	12/04/14 00:10	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		11/15/14 08:01	12/04/14 00:10	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		11/15/14 08:01	12/04/14 00:10	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		11/15/14 08:01	12/04/14 00:10	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-14-1114-U
Date Collected: 11/13/14 10:24
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 00:10	1
Fluorene	ND		5.2	0.38	ug/L		11/15/14 08:01	12/04/14 00:10	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		11/15/14 08:01	12/04/14 00:10	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		11/15/14 08:01	12/04/14 00:10	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		11/15/14 08:01	12/04/14 00:10	1
Hexachloroethane	ND		5.2	0.61	ug/L		11/15/14 08:01	12/04/14 00:10	1
Indeno[1,2,3-cd]pyrene	ND	*	5.2	0.49	ug/L		11/15/14 08:01	12/04/14 00:10	1
Isophorone	ND		5.2	0.45	ug/L		11/15/14 08:01	12/04/14 00:10	1
Naphthalene	ND		5.2	0.79	ug/L		11/15/14 08:01	12/04/14 00:10	1
Nitrobenzene	ND		5.2	0.30	ug/L		11/15/14 08:01	12/04/14 00:10	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		11/15/14 08:01	12/04/14 00:10	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		11/15/14 08:01	12/04/14 00:10	1
Pentachlorophenol	ND		10	2.3	ug/L		11/15/14 08:01	12/04/14 00:10	1
Phenanthrene	ND		5.2	0.46	ug/L		11/15/14 08:01	12/04/14 00:10	1
Phenol	**0.65**	**J B**	5.2	0.41	ug/L		11/15/14 08:01	12/04/14 00:10	1
Pyrene	ND		5.2	0.35	ug/L		11/15/14 08:01	12/04/14 00:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*66*	*T J*	*ug/L*		*3.15*		*11/15/14 08:01*	*12/04/14 00:10*	*1*
Acrylamide	*8.6*		*ug/L*		*4.85*	*79-06-1*	*11/15/14 08:01*	*12/04/14 00:10*	*1*
Cyclotetrasiloxane, octamethyl-	*3.8*	*T J N*	*ug/L*		*5.66*	*556-67-2*	*11/15/14 08:01*	*12/04/14 00:10*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*6.03*		*11/15/14 08:01*	*12/04/14 00:10*	*1*
Cyclopentasiloxane, decamethyl-	*3.5*	*T J N*	*ug/L*		*6.60*	*541-02-6*	*11/15/14 08:01*	*12/04/14 00:10*	*1*
Octanoic Acid	*3.7*	*T J N*	*ug/L*		*6.89*	*124-07-2*	*11/15/14 08:01*	*12/04/14 00:10*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*10.40*		*11/15/14 08:01*	*12/04/14 00:10*	*1*
Unknown	*29*	*T J*	*ug/L*		*10.76*		*11/15/14 08:01*	*12/04/14 00:10*	*1*
Unknown	*12*	*T J*	*ug/L*		*11.23*		*11/15/14 08:01*	*12/04/14 00:10*	*1*
3,3'-Dimethylbenzidine	*5.5*	*J*	*ug/L*		*11.46*	*119-93-7*	*11/15/14 08:01*	*12/04/14 00:10*	*1*
Unknown	*30*	*T J*	*ug/L*		*11.58*		*11/15/14 08:01*	*12/04/14 00:10*	*1*
Unknown	*7.3*	*T J*	*ug/L*		*11.90*		*11/15/14 08:01*	*12/04/14 00:10*	*1*
Unknown	*27*	*T J*	*ug/L*		*12.15*		*11/15/14 08:01*	*12/04/14 00:10*	*1*
Unknown	*63*	*T J*	*ug/L*		*12.54*		*11/15/14 08:01*	*12/04/14 00:10*	*1*
Unknown	*7.0*	*T J*	*ug/L*		*12.94*		*11/15/14 08:01*	*12/04/14 00:10*	*1*
Unknown	*32*	*T J*	*ug/L*		*13.24*		*11/15/14 08:01*	*12/04/14 00:10*	*1*
Unknown	*7.8*	*T J*	*ug/L*		*14.17*		*11/15/14 08:01*	*12/04/14 00:10*	*1*
Unknown	*31*	*T J*	*ug/L*		*14.50*		*11/15/14 08:01*	*12/04/14 00:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*52 - 132*	*11/15/14 08:01*	*12/04/14 00:10*	*1*
2-Fluorobiphenyl	*54*		*48 - 120*	*11/15/14 08:01*	*12/04/14 00:10*	*1*
2-Fluorophenol (Surr)	*55*		*20 - 120*	*11/15/14 08:01*	*12/04/14 00:10*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 120*	*11/15/14 08:01*	*12/04/14 00:10*	*1*
Phenol-d5 (Surr)	*36*		*16 - 120*	*11/15/14 08:01*	*12/04/14 00:10*	*1*
p-Terphenyl-d14 (Surr)	*60*	*X*	*67 - 150*	*11/15/14 08:01*	*12/04/14 00:10*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 12:01	11/17/14 21:09	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 12:01	11/17/14 21:09	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 12:01	11/17/14 21:09	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-14-1114-U
Date Collected: 11/13/14 10:24
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.15**		0.0020	0.00070	mg/L		11/14/14 12:01	11/17/14 21:09	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 12:01	11/17/14 21:09	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 12:01	11/17/14 21:09	1
Calcium	**181**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:09	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 12:01	11/17/14 21:09	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 12:01	11/17/14 21:09	1
Copper	ND		0.010	0.0016	mg/L		11/14/14 12:01	11/19/14 21:44	1
Iron	ND		0.050	0.019	mg/L		11/14/14 12:01	11/19/14 21:44	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 12:01	11/17/14 21:09	1
Magnesium	**0.16**	**J**	0.20	0.043	mg/L		11/14/14 12:01	11/17/14 21:09	1
Manganese	**0.0033**		0.0030	0.00040	mg/L		11/14/14 12:01	11/17/14 21:09	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 12:01	11/17/14 21:09	1
Potassium	**26.3**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:09	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 12:01	11/17/14 21:09	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 12:01	11/17/14 21:09	1
Sodium	**43.0**		1.0	0.32	mg/L		11/14/14 12:01	11/17/14 21:09	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 12:01	11/17/14 21:09	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 12:01	11/17/14 21:09	1
Zinc	**0.0065**	**J B**	0.010	0.0015	mg/L		11/14/14 12:01	11/17/14 21:09	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/17/14 13:10	11/18/14 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/24/14 15:35	11/25/14 11:14	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 12:18	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-14-1114-F
Date Collected: 11/13/14 11:00
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		11/15/14 08:01	12/04/14 00:35	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		11/15/14 08:01	12/04/14 00:35	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		11/15/14 08:01	12/04/14 00:35	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		11/15/14 08:01	12/04/14 00:35	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		11/15/14 08:01	12/04/14 00:35	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		11/15/14 08:01	12/04/14 00:35	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 00:35	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		11/15/14 08:01	12/04/14 00:35	1
2-Chlorophenol	ND		5.2	0.55	ug/L		11/15/14 08:01	12/04/14 00:35	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		11/15/14 08:01	12/04/14 00:35	1
2-Methylphenol	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 00:35	1
2-Nitroaniline	ND		10	0.44	ug/L		11/15/14 08:01	12/04/14 00:35	1
2-Nitrophenol	ND		5.2	0.50	ug/L		11/15/14 08:01	12/04/14 00:35	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 00:35	1
3-Nitroaniline	ND	*	10	0.50	ug/L		11/15/14 08:01	12/04/14 00:35	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		11/15/14 08:01	12/04/14 00:35	1
4-Bromophenyl phenyl ether	ND	*	5.2	0.47	ug/L		11/15/14 08:01	12/04/14 00:35	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		11/15/14 08:01	12/04/14 00:35	1
4-Chloroaniline	ND		5.2	0.61	ug/L		11/15/14 08:01	12/04/14 00:35	1
4-Chlorophenyl phenyl ether	ND	*	5.2	0.36	ug/L		11/15/14 08:01	12/04/14 00:35	1
4-Methylphenol	**0.54**	**J**	10	0.38	ug/L		11/15/14 08:01	12/04/14 00:35	1
4-Nitroaniline	ND		10	0.26	ug/L		11/15/14 08:01	12/04/14 00:35	1
4-Nitrophenol	ND		10	1.6	ug/L		11/15/14 08:01	12/04/14 00:35	1
Acenaphthene	ND		5.2	0.43	ug/L		11/15/14 08:01	12/04/14 00:35	1
Acenaphthylene	ND		5.2	0.40	ug/L		11/15/14 08:01	12/04/14 00:35	1
Acetophenone	ND		5.2	0.56	ug/L		11/15/14 08:01	12/04/14 00:35	1
Anthracene	ND		5.2	0.29	ug/L		11/15/14 08:01	12/04/14 00:35	1
Atrazine	ND		5.2	0.48	ug/L		11/15/14 08:01	12/04/14 00:35	1
Benzaldehyde	**0.98**	**J B**	5.2	0.28	ug/L		11/15/14 08:01	12/04/14 00:35	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/15/14 08:01	12/04/14 00:35	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/15/14 08:01	12/04/14 00:35	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/15/14 08:01	12/04/14 00:35	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/15/14 08:01	12/04/14 00:35	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/15/14 08:01	12/04/14 00:35	1
Biphenyl	ND		5.2	0.68	ug/L		11/15/14 08:01	12/04/14 00:35	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		11/15/14 08:01	12/04/14 00:35	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		11/15/14 08:01	12/04/14 00:35	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 00:35	1
Bis(2-ethylhexyl) phthalate	**3.3**	**J B**	5.2	1.9	ug/L		11/15/14 08:01	12/04/14 00:35	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		11/15/14 08:01	12/04/14 00:35	1
Caprolactam	ND		5.2	2.3	ug/L		11/15/14 08:01	12/04/14 00:35	1
Carbazole	ND		5.2	0.31	ug/L		11/15/14 08:01	12/04/14 00:35	1
Chrysene	ND		5.2	0.34	ug/L		11/15/14 08:01	12/04/14 00:35	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/15/14 08:01	12/04/14 00:35	1
Dibenzofuran	ND		10	0.53	ug/L		11/15/14 08:01	12/04/14 00:35	1
Diethyl phthalate	ND		5.2	0.23	ug/L		11/15/14 08:01	12/04/14 00:35	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		11/15/14 08:01	12/04/14 00:35	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		11/15/14 08:01	12/04/14 00:35	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		11/15/14 08:01	12/04/14 00:35	1

Client Sample ID: SW-CB-14-1114-F
Date Collected: 11/13/14 11:00
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 00:35	1
Fluorene	ND		5.2	0.38	ug/L		11/15/14 08:01	12/04/14 00:35	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		11/15/14 08:01	12/04/14 00:35	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		11/15/14 08:01	12/04/14 00:35	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		11/15/14 08:01	12/04/14 00:35	1
Hexachloroethane	ND		5.2	0.61	ug/L		11/15/14 08:01	12/04/14 00:35	1
Indeno[1,2,3-cd]pyrene	ND	*	5.2	0.49	ug/L		11/15/14 08:01	12/04/14 00:35	1
Isophorone	ND		5.2	0.45	ug/L		11/15/14 08:01	12/04/14 00:35	1
Naphthalene	ND		5.2	0.79	ug/L		11/15/14 08:01	12/04/14 00:35	1
Nitrobenzene	ND		5.2	0.30	ug/L		11/15/14 08:01	12/04/14 00:35	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		11/15/14 08:01	12/04/14 00:35	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		11/15/14 08:01	12/04/14 00:35	1
Pentachlorophenol	ND		10	2.3	ug/L		11/15/14 08:01	12/04/14 00:35	1
Phenanthrene	ND		5.2	0.46	ug/L		11/15/14 08:01	12/04/14 00:35	1
Phenol	**0.67**	**J B**	5.2	0.41	ug/L		11/15/14 08:01	12/04/14 00:35	1
Pyrene	ND		5.2	0.35	ug/L		11/15/14 08:01	12/04/14 00:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*66*	*T J*	*ug/L*		*3.16*		*11/15/14 08:01*	*12/04/14 00:35*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*4.58*		*11/15/14 08:01*	*12/04/14 00:35*	*1*
Unknown	*8.8*	*T J*	*ug/L*		*4.61*		*11/15/14 08:01*	*12/04/14 00:35*	*1*
Acrylamide	*8.6*		*ug/L*		*4.85*	*79-06-1*	*11/15/14 08:01*	*12/04/14 00:35*	*1*
Cyclotetrasiloxane, octamethyl-	*8.3*	*T J N*	*ug/L*		*5.66*	*556-67-2*	*11/15/14 08:01*	*12/04/14 00:35*	*1*
1-Hexanol, 2-ethyl-	*3.5*	*T J N*	*ug/L*		*6.04*	*104-76-7*	*11/15/14 08:01*	*12/04/14 00:35*	*1*
Octanoic Acid	*3.2*	*T J N*	*ug/L*		*6.88*	*124-07-2*	*11/15/14 08:01*	*12/04/14 00:35*	*1*
Benzoic acid, 2,6-dichloro-	*3.4*	*T J N*	*ug/L*		*8.58*	*50-30-6*	*11/15/14 08:01*	*12/04/14 00:35*	*1*
Diphenyl sulfone	*3.6*	*T J N*	*ug/L*		*10.17*	*127-63-9*	*11/15/14 08:01*	*12/04/14 00:35*	*1*
Unknown	*12*	*T J*	*ug/L*		*10.76*		*11/15/14 08:01*	*12/04/14 00:35*	*1*
Unknown	*7.2*	*T J*	*ug/L*		*11.23*		*11/15/14 08:01*	*12/04/14 00:35*	*1*
Unknown	*9.9*	*T J*	*ug/L*		*11.58*		*11/15/14 08:01*	*12/04/14 00:35*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*11.91*		*11/15/14 08:01*	*12/04/14 00:35*	*1*
Unknown	*10*	*T J*	*ug/L*		*12.15*		*11/15/14 08:01*	*12/04/14 00:35*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*12.54*		*11/15/14 08:01*	*12/04/14 00:35*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*12.94*		*11/15/14 08:01*	*12/04/14 00:35*	*1*
Unknown	*12*	*T J*	*ug/L*		*13.24*		*11/15/14 08:01*	*12/04/14 00:35*	*1*
Unknown	*11*	*T J*	*ug/L*		*14.50*		*11/15/14 08:01*	*12/04/14 00:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*52 - 132*	*11/15/14 08:01*	*12/04/14 00:35*	*1*
2-Fluorobiphenyl	*52*		*48 - 120*	*11/15/14 08:01*	*12/04/14 00:35*	*1*
2-Fluorophenol (Surr)	*55*		*20 - 120*	*11/15/14 08:01*	*12/04/14 00:35*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 120*	*11/15/14 08:01*	*12/04/14 00:35*	*1*
Phenol-d5 (Surr)	*38*		*16 - 120*	*11/15/14 08:01*	*12/04/14 00:35*	*1*
p-Terphenyl-d14 (Surr)	*60*	*X*	*67 - 150*	*11/15/14 08:01*	*12/04/14 00:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 12:01	11/17/14 21:20	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 12:01	11/17/14 21:20	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 12:01	11/17/14 21:20	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-14-1114-F
Date Collected: 11/13/14 11:00
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.12**		0.0020	0.00070	mg/L		11/14/14 12:01	11/17/14 21:20	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 12:01	11/17/14 21:20	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 12:01	11/17/14 21:20	1
Calcium	**161**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:20	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 12:01	11/17/14 21:20	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 12:01	11/17/14 21:20	1
Copper	ND	^	0.010	0.0016	mg/L		11/14/14 12:01	11/17/14 21:20	1
Iron	ND		0.050	0.019	mg/L		11/14/14 12:01	11/17/14 21:20	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 12:01	11/17/14 21:20	1
Magnesium	**0.12**	**J**	0.20	0.043	mg/L		11/14/14 12:01	11/17/14 21:20	1
Manganese	ND		0.0030	0.00040	mg/L		11/14/14 12:01	11/17/14 21:20	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 12:01	11/17/14 21:20	1
Potassium	**24.3**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:20	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 12:01	11/17/14 21:20	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 12:01	11/17/14 21:20	1
Sodium	**39.8**		1.0	0.32	mg/L		11/14/14 12:01	11/17/14 21:20	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 12:01	11/17/14 21:20	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 12:01	11/17/14 21:20	1
Zinc	**0.0059**	**J B**	0.010	0.0015	mg/L		11/14/14 12:01	11/17/14 21:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/17/14 13:10	11/18/14 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/24/14 15:35	11/25/14 11:17	1
Cyanide, Available	**0.0026**		0.0020	0.0018	mg/L			11/25/14 12:20	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-17-1114-U
Date Collected: 11/13/14 12:25
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.5	0.53	ug/L		11/15/14 08:01	12/04/14 01:00	1
2,4,6-Trichlorophenol	ND		5.5	0.67	ug/L		11/15/14 08:01	12/04/14 01:00	1
2,4-Dichlorophenol	ND		5.5	0.56	ug/L		11/15/14 08:01	12/04/14 01:00	1
2,4-Dimethylphenol	ND		5.5	0.55	ug/L		11/15/14 08:01	12/04/14 01:00	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		11/15/14 08:01	12/04/14 01:00	1
2,4-Dinitrotoluene	ND		5.5	0.49	ug/L		11/15/14 08:01	12/04/14 01:00	1
2,6-Dinitrotoluene	ND		5.5	0.44	ug/L		11/15/14 08:01	12/04/14 01:00	1
2-Chloronaphthalene	ND		5.5	0.51	ug/L		11/15/14 08:01	12/04/14 01:00	1
2-Chlorophenol	ND		5.5	0.58	ug/L		11/15/14 08:01	12/04/14 01:00	1
2-Methylnaphthalene	ND		5.5	0.66	ug/L		11/15/14 08:01	12/04/14 01:00	1
2-Methylphenol	ND		5.5	0.44	ug/L		11/15/14 08:01	12/04/14 01:00	1
2-Nitroaniline	ND		11	0.46	ug/L		11/15/14 08:01	12/04/14 01:00	1
2-Nitrophenol	ND		5.5	0.53	ug/L		11/15/14 08:01	12/04/14 01:00	1
3,3'-Dichlorobenzidine	ND		5.5	0.44	ug/L		11/15/14 08:01	12/04/14 01:00	1
3-Nitroaniline	ND	*	11	0.53	ug/L		11/15/14 08:01	12/04/14 01:00	1
4,6-Dinitro-2-methylphenol	ND	*	11	2.4	ug/L		11/15/14 08:01	12/04/14 01:00	1
4-Bromophenyl phenyl ether	ND	*	5.5	0.49	ug/L		11/15/14 08:01	12/04/14 01:00	1
4-Chloro-3-methylphenol	ND		5.5	0.49	ug/L		11/15/14 08:01	12/04/14 01:00	1
4-Chloroaniline	ND		5.5	0.65	ug/L		11/15/14 08:01	12/04/14 01:00	1
4-Chlorophenyl phenyl ether	ND	*	5.5	0.38	ug/L		11/15/14 08:01	12/04/14 01:00	1
4-Methylphenol	**0.44**	**J**	11	0.40	ug/L		11/15/14 08:01	12/04/14 01:00	1
4-Nitroaniline	ND		11	0.27	ug/L		11/15/14 08:01	12/04/14 01:00	1
4-Nitrophenol	ND		11	1.7	ug/L		11/15/14 08:01	12/04/14 01:00	1
Acenaphthene	ND		5.5	0.45	ug/L		11/15/14 08:01	12/04/14 01:00	1
Acenaphthylene	ND		5.5	0.42	ug/L		11/15/14 08:01	12/04/14 01:00	1
Acetophenone	ND		5.5	0.59	ug/L		11/15/14 08:01	12/04/14 01:00	1
Anthracene	ND		5.5	0.31	ug/L		11/15/14 08:01	12/04/14 01:00	1
Atrazine	ND		5.5	0.51	ug/L		11/15/14 08:01	12/04/14 01:00	1
Benzaldehyde	**0.92**	**J B**	5.5	0.29	ug/L		11/15/14 08:01	12/04/14 01:00	1
Benzo[a]anthracene	ND		5.5	0.40	ug/L		11/15/14 08:01	12/04/14 01:00	1
Benzo[a]pyrene	ND		5.5	0.52	ug/L		11/15/14 08:01	12/04/14 01:00	1
Benzo[b]fluoranthene	ND		5.5	0.37	ug/L		11/15/14 08:01	12/04/14 01:00	1
Benzo[g,h,i]perylene	ND		5.5	0.38	ug/L		11/15/14 08:01	12/04/14 01:00	1
Benzo[k]fluoranthene	ND		5.5	0.80	ug/L		11/15/14 08:01	12/04/14 01:00	1
Biphenyl	ND		5.5	0.72	ug/L		11/15/14 08:01	12/04/14 01:00	1
bis (2-chloroisopropyl) ether	ND		5.5	0.57	ug/L		11/15/14 08:01	12/04/14 01:00	1
Bis(2-chloroethoxy)methane	ND		5.5	0.38	ug/L		11/15/14 08:01	12/04/14 01:00	1
Bis(2-chloroethyl)ether	ND		5.5	0.44	ug/L		11/15/14 08:01	12/04/14 01:00	1
Bis(2-ethylhexyl) phthalate	**3.6**	**J B**	5.5	2.0	ug/L		11/15/14 08:01	12/04/14 01:00	1
Butyl benzyl phthalate	ND		5.5	0.46	ug/L		11/15/14 08:01	12/04/14 01:00	1
Caprolactam	ND		5.5	2.4	ug/L		11/15/14 08:01	12/04/14 01:00	1
Carbazole	ND		5.5	0.33	ug/L		11/15/14 08:01	12/04/14 01:00	1
Chrysene	ND		5.5	0.36	ug/L		11/15/14 08:01	12/04/14 01:00	1
Dibenz(a,h)anthracene	ND		5.5	0.46	ug/L		11/15/14 08:01	12/04/14 01:00	1
Dibenzofuran	ND		11	0.56	ug/L		11/15/14 08:01	12/04/14 01:00	1
Diethyl phthalate	ND		5.5	0.24	ug/L		11/15/14 08:01	12/04/14 01:00	1
Dimethyl phthalate	ND		5.5	0.40	ug/L		11/15/14 08:01	12/04/14 01:00	1
Di-n-butyl phthalate	ND		5.5	0.34	ug/L		11/15/14 08:01	12/04/14 01:00	1
Di-n-octyl phthalate	ND		5.5	0.52	ug/L		11/15/14 08:01	12/04/14 01:00	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-17-1114-U
Date Collected: 11/13/14 12:25
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.5	0.44	ug/L		11/15/14 08:01	12/04/14 01:00	1
Fluorene	ND		5.5	0.40	ug/L		11/15/14 08:01	12/04/14 01:00	1
Hexachlorobenzene	ND		5.5	0.56	ug/L		11/15/14 08:01	12/04/14 01:00	1
Hexachlorobutadiene	ND		5.5	0.75	ug/L		11/15/14 08:01	12/04/14 01:00	1
Hexachlorocyclopentadiene	ND		5.5	0.65	ug/L		11/15/14 08:01	12/04/14 01:00	1
Hexachloroethane	ND		5.5	0.65	ug/L		11/15/14 08:01	12/04/14 01:00	1
Indeno[1,2,3-cd]pyrene	ND	*	5.5	0.52	ug/L		11/15/14 08:01	12/04/14 01:00	1
Isophorone	ND		5.5	0.47	ug/L		11/15/14 08:01	12/04/14 01:00	1
Naphthalene	ND		5.5	0.84	ug/L		11/15/14 08:01	12/04/14 01:00	1
Nitrobenzene	ND		5.5	0.32	ug/L		11/15/14 08:01	12/04/14 01:00	1
N-Nitrosodi-n-propylamine	ND		5.5	0.59	ug/L		11/15/14 08:01	12/04/14 01:00	1
N-Nitrosodiphenylamine	ND		5.5	0.56	ug/L		11/15/14 08:01	12/04/14 01:00	1
Pentachlorophenol	ND		11	2.4	ug/L		11/15/14 08:01	12/04/14 01:00	1
Phenanthrene	ND		5.5	0.48	ug/L		11/15/14 08:01	12/04/14 01:00	1
Phenol	**0.47**	**J B**	5.5	0.43	ug/L		11/15/14 08:01	12/04/14 01:00	1
Pyrene	ND		5.5	0.37	ug/L		11/15/14 08:01	12/04/14 01:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.8*	*T J*	*ug/L*		*3.13*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*58*	*T J*	*ug/L*		*3.16*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*5.4*	*T J*	*ug/L*		*4.61*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Acrylamide	*9.1*		*ug/L*		*4.79*	*79-06-1*	*11/15/14 08:01*	*12/04/14 01:00*	*1*
Cyclotetrasiloxane, octamethyl-	*4.3*	*T J N*	*ug/L*		*5.66*	*556-67-2*	*11/15/14 08:01*	*12/04/14 01:00*	*1*
Cyclopentasiloxane, decamethyl-	*4.5*	*T J N*	*ug/L*		*6.60*	*541-02-6*	*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*8.1*	*T J*	*ug/L*		*9.88*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*10.40*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*30*	*T J*	*ug/L*		*10.76*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*12*	*T J*	*ug/L*		*11.23*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
3,3'-Dimethylbenzidine	*5.8*	*J*	*ug/L*		*11.48*	*119-93-7*	*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*19*	*T J*	*ug/L*		*11.59*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*5.3*	*T J*	*ug/L*		*11.90*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*19*	*T J*	*ug/L*		*12.15*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*37*	*T J*	*ug/L*		*12.54*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Kepone	*6.6*	*J*	*ug/L*		*12.55*	*143-50-0*	*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*4.9*	*T J*	*ug/L*		*12.94*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*23*	*T J*	*ug/L*		*13.24*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*14.17*		*11/15/14 08:01*	*12/04/14 01:00*	*1*
Unknown	*20*	*T J*	*ug/L*		*14.50*		*11/15/14 08:01*	*12/04/14 01:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*52 - 132*	*11/15/14 08:01*	*12/04/14 01:00*	*1*
2-Fluorobiphenyl	*51*		*48 - 120*	*11/15/14 08:01*	*12/04/14 01:00*	*1*
2-Fluorophenol (Surr)	*53*		*20 - 120*	*11/15/14 08:01*	*12/04/14 01:00*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 120*	*11/15/14 08:01*	*12/04/14 01:00*	*1*
Phenol-d5 (Surr)	*34*		*16 - 120*	*11/15/14 08:01*	*12/04/14 01:00*	*1*
p-Terphenyl-d14 (Surr)	*60*	*X*	*67 - 150*	*11/15/14 08:01*	*12/04/14 01:00*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.063**	**J**	0.20	0.060	mg/L		11/14/14 12:01	11/17/14 21:23	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-17-1114-U
Date Collected: 11/13/14 12:25
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		11/14/14 12:01	11/17/14 21:23	1
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 12:01	11/17/14 21:23	1
Barium	**0.15**		0.0020	0.00070	mg/L		11/14/14 12:01	11/17/14 21:23	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 12:01	11/17/14 21:23	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 12:01	11/17/14 21:23	1
Calcium	**198**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:23	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 12:01	11/17/14 21:23	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 12:01	11/17/14 21:23	1
Copper	**0.0017**	**J ^**	0.010	0.0016	mg/L		11/14/14 12:01	11/17/14 21:23	1
Iron	ND		0.050	0.019	mg/L		11/14/14 12:01	11/17/14 21:23	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 12:01	11/17/14 21:23	1
Magnesium	**0.18**	**J**	0.20	0.043	mg/L		11/14/14 12:01	11/17/14 21:23	1
Manganese	**0.0033**		0.0030	0.00040	mg/L		11/14/14 12:01	11/17/14 21:23	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 12:01	11/17/14 21:23	1
Potassium	**28.6**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:23	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 12:01	11/17/14 21:23	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 12:01	11/17/14 21:23	1
Sodium	**46.6**		1.0	0.32	mg/L		11/14/14 12:01	11/17/14 21:23	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 12:01	11/17/14 21:23	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 12:01	11/17/14 21:23	1
Zinc	**0.0055**	**J B**	0.010	0.0015	mg/L		11/14/14 12:01	11/17/14 21:23	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 10:25	11/14/14 15:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/24/14 15:35	11/25/14 11:20	1
Cyanide, Available	**0.0035**		0.0020	0.0018	mg/L			11/25/14 12:21	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-17-1114-F
Date Collected: 11/13/14 12:45
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		11/15/14 08:01	12/04/14 01:25	1
2,4,6-Trichlorophenol	ND		5.3	0.65	ug/L		11/15/14 08:01	12/04/14 01:25	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		11/15/14 08:01	12/04/14 01:25	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		11/15/14 08:01	12/04/14 01:25	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		11/15/14 08:01	12/04/14 01:25	1
2,4-Dinitrotoluene	ND		5.3	0.48	ug/L		11/15/14 08:01	12/04/14 01:25	1
2,6-Dinitrotoluene	ND		5.3	0.43	ug/L		11/15/14 08:01	12/04/14 01:25	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		11/15/14 08:01	12/04/14 01:25	1
2-Chlorophenol	ND		5.3	0.57	ug/L		11/15/14 08:01	12/04/14 01:25	1
2-Methylnaphthalene	ND		5.3	0.64	ug/L		11/15/14 08:01	12/04/14 01:25	1
2-Methylphenol	ND		5.3	0.43	ug/L		11/15/14 08:01	12/04/14 01:25	1
2-Nitroaniline	ND		11	0.45	ug/L		11/15/14 08:01	12/04/14 01:25	1
2-Nitrophenol	ND		5.3	0.51	ug/L		11/15/14 08:01	12/04/14 01:25	1
3,3'-Dichlorobenzidine	ND		5.3	0.43	ug/L		11/15/14 08:01	12/04/14 01:25	1
3-Nitroaniline	ND	*	11	0.51	ug/L		11/15/14 08:01	12/04/14 01:25	1
4,6-Dinitro-2-methylphenol	ND	*	11	2.3	ug/L		11/15/14 08:01	12/04/14 01:25	1
4-Bromophenyl phenyl ether	ND	*	5.3	0.48	ug/L		11/15/14 08:01	12/04/14 01:25	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		11/15/14 08:01	12/04/14 01:25	1
4-Chloroaniline	ND		5.3	0.63	ug/L		11/15/14 08:01	12/04/14 01:25	1
4-Chlorophenyl phenyl ether	ND	*	5.3	0.37	ug/L		11/15/14 08:01	12/04/14 01:25	1
4-Methylphenol	**0.50**	**J**	11	0.38	ug/L		11/15/14 08:01	12/04/14 01:25	1
4-Nitroaniline	ND		11	0.27	ug/L		11/15/14 08:01	12/04/14 01:25	1
4-Nitrophenol	ND		11	1.6	ug/L		11/15/14 08:01	12/04/14 01:25	1
Acenaphthene	ND		5.3	0.44	ug/L		11/15/14 08:01	12/04/14 01:25	1
Acenaphthylene	ND		5.3	0.41	ug/L		11/15/14 08:01	12/04/14 01:25	1
Acetophenone	ND		5.3	0.58	ug/L		11/15/14 08:01	12/04/14 01:25	1
Anthracene	ND		5.3	0.30	ug/L		11/15/14 08:01	12/04/14 01:25	1
Atrazine	ND		5.3	0.49	ug/L		11/15/14 08:01	12/04/14 01:25	1
Benzaldehyde	**1.1**	**J B**	5.3	0.28	ug/L		11/15/14 08:01	12/04/14 01:25	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		11/15/14 08:01	12/04/14 01:25	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		11/15/14 08:01	12/04/14 01:25	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		11/15/14 08:01	12/04/14 01:25	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		11/15/14 08:01	12/04/14 01:25	1
Benzo[k]fluoranthene	ND		5.3	0.78	ug/L		11/15/14 08:01	12/04/14 01:25	1
Biphenyl	ND		5.3	0.70	ug/L		11/15/14 08:01	12/04/14 01:25	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		11/15/14 08:01	12/04/14 01:25	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		11/15/14 08:01	12/04/14 01:25	1
Bis(2-chloroethyl)ether	ND		5.3	0.43	ug/L		11/15/14 08:01	12/04/14 01:25	1
Bis(2-ethylhexyl) phthalate	**3.1**	**J B**	5.3	1.9	ug/L		11/15/14 08:01	12/04/14 01:25	1
Butyl benzyl phthalate	ND		5.3	0.45	ug/L		11/15/14 08:01	12/04/14 01:25	1
Caprolactam	ND		5.3	2.3	ug/L		11/15/14 08:01	12/04/14 01:25	1
Carbazole	ND		5.3	0.32	ug/L		11/15/14 08:01	12/04/14 01:25	1
Chrysene	ND		5.3	0.35	ug/L		11/15/14 08:01	12/04/14 01:25	1
Dibenz(a,h)anthracene	ND		5.3	0.45	ug/L		11/15/14 08:01	12/04/14 01:25	1
Dibenzofuran	ND		11	0.54	ug/L		11/15/14 08:01	12/04/14 01:25	1
Diethyl phthalate	ND		5.3	0.23	ug/L		11/15/14 08:01	12/04/14 01:25	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		11/15/14 08:01	12/04/14 01:25	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		11/15/14 08:01	12/04/14 01:25	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		11/15/14 08:01	12/04/14 01:25	1

Client Sample ID: SW-CB-17-1114-F
Date Collected: 11/13/14 12:45
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.43	ug/L		11/15/14 08:01	12/04/14 01:25	1
Fluorene	ND		5.3	0.38	ug/L		11/15/14 08:01	12/04/14 01:25	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		11/15/14 08:01	12/04/14 01:25	1
Hexachlorobutadiene	ND		5.3	0.73	ug/L		11/15/14 08:01	12/04/14 01:25	1
Hexachlorocyclopentadiene	ND		5.3	0.63	ug/L		11/15/14 08:01	12/04/14 01:25	1
Hexachloroethane	ND		5.3	0.63	ug/L		11/15/14 08:01	12/04/14 01:25	1
Indeno[1,2,3-cd]pyrene	ND	*	5.3	0.50	ug/L		11/15/14 08:01	12/04/14 01:25	1
Isophorone	ND		5.3	0.46	ug/L		11/15/14 08:01	12/04/14 01:25	1
Naphthalene	ND		5.3	0.81	ug/L		11/15/14 08:01	12/04/14 01:25	1
Nitrobenzene	ND		5.3	0.31	ug/L		11/15/14 08:01	12/04/14 01:25	1
N-Nitrosodi-n-propylamine	ND		5.3	0.58	ug/L		11/15/14 08:01	12/04/14 01:25	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		11/15/14 08:01	12/04/14 01:25	1
Pentachlorophenol	ND		11	2.3	ug/L		11/15/14 08:01	12/04/14 01:25	1
Phenanthrene	ND		5.3	0.47	ug/L		11/15/14 08:01	12/04/14 01:25	1
Phenol	**0.58**	**J B**	5.3	0.42	ug/L		11/15/14 08:01	12/04/14 01:25	1
Pyrene	ND		5.3	0.36	ug/L		11/15/14 08:01	12/04/14 01:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*80*	*T J*	*ug/L*		*3.16*		*11/15/14 08:01*	*12/04/14 01:25*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*4.58*		*11/15/14 08:01*	*12/04/14 01:25*	*1*
Acrylamide	*8.8*		*ug/L*		*4.83*	*79-06-1*	*11/15/14 08:01*	*12/04/14 01:25*	*1*
Cyclotetrasiloxane, octamethyl-	*9.1*	*T J N*	*ug/L*		*5.66*	*556-67-2*	*11/15/14 08:01*	*12/04/14 01:25*	*1*
Cyclopentasiloxane, decamethyl-	*5.0*	*T J N*	*ug/L*		*6.60*	*541-02-6*	*11/15/14 08:01*	*12/04/14 01:25*	*1*
Octanoic Acid	*3.0*	*T J N*	*ug/L*		*6.88*	*124-07-2*	*11/15/14 08:01*	*12/04/14 01:25*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*4.0*	*T J N*	*ug/L*		*8.49*	*96-76-4*	*11/15/14 08:01*	*12/04/14 01:25*	*1*
Diphenyl sulfone	*9.3*	*T J N*	*ug/L*		*10.17*	*127-63-9*	*11/15/14 08:01*	*12/04/14 01:25*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*10.40*		*11/15/14 08:01*	*12/04/14 01:25*	*1*
Unknown	*29*	*T J*	*ug/L*		*10.76*		*11/15/14 08:01*	*12/04/14 01:25*	*1*
Unknown	*12*	*T J*	*ug/L*		*11.23*		*11/15/14 08:01*	*12/04/14 01:25*	*1*
3,3'-Dimethylbenzidine	*5.7*	*J*	*ug/L*		*11.42*	*119-93-7*	*11/15/14 08:01*	*12/04/14 01:25*	*1*
Unknown	*44*	*T J*	*ug/L*		*11.60*		*11/15/14 08:01*	*12/04/14 01:25*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*11.91*		*11/15/14 08:01*	*12/04/14 01:25*	*1*
Unknown	*19*	*T J*	*ug/L*		*12.15*		*11/15/14 08:01*	*12/04/14 01:25*	*1*
Unknown	*37*	*T J*	*ug/L*		*12.55*		*11/15/14 08:01*	*12/04/14 01:25*	*1*
Unknown	*5.9*	*T J*	*ug/L*		*12.94*		*11/15/14 08:01*	*12/04/14 01:25*	*1*
Unknown	*27*	*T J*	*ug/L*		*13.24*		*11/15/14 08:01*	*12/04/14 01:25*	*1*
Unknown	*26*	*T J*	*ug/L*		*14.50*		*11/15/14 08:01*	*12/04/14 01:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*52 - 132*	*11/15/14 08:01*	*12/04/14 01:25*	*1*
2-Fluorobiphenyl	*56*		*48 - 120*	*11/15/14 08:01*	*12/04/14 01:25*	*1*
2-Fluorophenol (Surr)	*66*		*20 - 120*	*11/15/14 08:01*	*12/04/14 01:25*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 120*	*11/15/14 08:01*	*12/04/14 01:25*	*1*
Phenol-d5 (Surr)	*49*		*16 - 120*	*11/15/14 08:01*	*12/04/14 01:25*	*1*
p-Terphenyl-d14 (Surr)	*63*	*X*	*67 - 150*	*11/15/14 08:01*	*12/04/14 01:25*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 12:01	11/17/14 21:26	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 12:01	11/17/14 21:26	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-17-1114-F
Date Collected: 11/13/14 12:45
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-6
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 12:01	11/17/14 21:26	1
Barium	**0.15**		0.0020	0.00070	mg/L		11/14/14 12:01	11/17/14 21:26	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 12:01	11/17/14 21:26	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 12:01	11/17/14 21:26	1
Calcium	**193**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:26	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 12:01	11/17/14 21:26	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 12:01	11/17/14 21:26	1
Copper	ND	^	0.010	0.0016	mg/L		11/14/14 12:01	11/17/14 21:26	1
Iron	ND		0.050	0.019	mg/L		11/14/14 12:01	11/17/14 21:26	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 12:01	11/17/14 21:26	1
Magnesium	**0.14**	**J**	0.20	0.043	mg/L		11/14/14 12:01	11/17/14 21:26	1
Manganese	**0.00057**	**J**	0.0030	0.00040	mg/L		11/14/14 12:01	11/17/14 21:26	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 12:01	11/17/14 21:26	1
Potassium	**28.6**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:26	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 12:01	11/17/14 21:26	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 12:01	11/17/14 21:26	1
Sodium	**46.7**		1.0	0.32	mg/L		11/14/14 12:01	11/17/14 21:26	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 12:01	11/17/14 21:26	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 12:01	11/17/14 21:26	1
Zinc	**0.0072**	**J B**	0.010	0.0015	mg/L		11/14/14 12:01	11/17/14 21:26	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/17/14 13:10	11/18/14 11:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/24/14 15:35	11/25/14 11:53	1
Cyanide, Available	**0.0035**		0.0020	0.0018	mg/L			11/25/14 12:23	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-18-1114-U
Date Collected: 11/13/14 11:45
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.4	0.52	ug/L		11/15/14 08:01	12/04/14 01:49	1
2,4,6-Trichlorophenol	ND		5.4	0.66	ug/L		11/15/14 08:01	12/04/14 01:49	1
2,4-Dichlorophenol	ND		5.4	0.55	ug/L		11/15/14 08:01	12/04/14 01:49	1
2,4-Dimethylphenol	ND		5.4	0.54	ug/L		11/15/14 08:01	12/04/14 01:49	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		11/15/14 08:01	12/04/14 01:49	1
2,4-Dinitrotoluene	ND		5.4	0.48	ug/L		11/15/14 08:01	12/04/14 01:49	1
2,6-Dinitrotoluene	ND		5.4	0.43	ug/L		11/15/14 08:01	12/04/14 01:49	1
2-Chloronaphthalene	ND		5.4	0.49	ug/L		11/15/14 08:01	12/04/14 01:49	1
2-Chlorophenol	ND		5.4	0.57	ug/L		11/15/14 08:01	12/04/14 01:49	1
2-Methylnaphthalene	ND		5.4	0.64	ug/L		11/15/14 08:01	12/04/14 01:49	1
2-Methylphenol	ND		5.4	0.43	ug/L		11/15/14 08:01	12/04/14 01:49	1
2-Nitroaniline	ND		11	0.45	ug/L		11/15/14 08:01	12/04/14 01:49	1
2-Nitrophenol	ND		5.4	0.52	ug/L		11/15/14 08:01	12/04/14 01:49	1
3,3'-Dichlorobenzidine	ND		5.4	0.43	ug/L		11/15/14 08:01	12/04/14 01:49	1
3-Nitroaniline	ND	*	11	0.52	ug/L		11/15/14 08:01	12/04/14 01:49	1
4,6-Dinitro-2-methylphenol	ND	*	11	2.4	ug/L		11/15/14 08:01	12/04/14 01:49	1
4-Bromophenyl phenyl ether	ND	*	5.4	0.48	ug/L		11/15/14 08:01	12/04/14 01:49	1
4-Chloro-3-methylphenol	ND		5.4	0.48	ug/L		11/15/14 08:01	12/04/14 01:49	1
4-Chloroaniline	ND		5.4	0.63	ug/L		11/15/14 08:01	12/04/14 01:49	1
4-Chlorophenyl phenyl ether	ND	*	5.4	0.38	ug/L		11/15/14 08:01	12/04/14 01:49	1
4-Methylphenol	**0.44**	**J**	11	0.39	ug/L		11/15/14 08:01	12/04/14 01:49	1
4-Nitroaniline	ND		11	0.27	ug/L		11/15/14 08:01	12/04/14 01:49	1
4-Nitrophenol	ND		11	1.6	ug/L		11/15/14 08:01	12/04/14 01:49	1
Acenaphthene	ND		5.4	0.44	ug/L		11/15/14 08:01	12/04/14 01:49	1
Acenaphthylene	ND		5.4	0.41	ug/L		11/15/14 08:01	12/04/14 01:49	1
Acetophenone	ND		5.4	0.58	ug/L		11/15/14 08:01	12/04/14 01:49	1
Anthracene	ND		5.4	0.30	ug/L		11/15/14 08:01	12/04/14 01:49	1
Atrazine	ND		5.4	0.49	ug/L		11/15/14 08:01	12/04/14 01:49	1
Benzaldehyde	**0.80**	**J B**	5.4	0.29	ug/L		11/15/14 08:01	12/04/14 01:49	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		11/15/14 08:01	12/04/14 01:49	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		11/15/14 08:01	12/04/14 01:49	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		11/15/14 08:01	12/04/14 01:49	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		11/15/14 08:01	12/04/14 01:49	1
Benzo[k]fluoranthene	ND		5.4	0.78	ug/L		11/15/14 08:01	12/04/14 01:49	1
Biphenyl	ND		5.4	0.70	ug/L		11/15/14 08:01	12/04/14 01:49	1
bis (2-chloroisopropyl) ether	ND		5.4	0.56	ug/L		11/15/14 08:01	12/04/14 01:49	1
Bis(2-chloroethoxy)methane	ND		5.4	0.38	ug/L		11/15/14 08:01	12/04/14 01:49	1
Bis(2-chloroethyl)ether	ND		5.4	0.43	ug/L		11/15/14 08:01	12/04/14 01:49	1
Bis(2-ethylhexyl) phthalate	**3.1**	**J B**	5.4	1.9	ug/L		11/15/14 08:01	12/04/14 01:49	1
Butyl benzyl phthalate	ND		5.4	0.45	ug/L		11/15/14 08:01	12/04/14 01:49	1
Caprolactam	ND		5.4	2.4	ug/L		11/15/14 08:01	12/04/14 01:49	1
Carbazole	ND		5.4	0.32	ug/L		11/15/14 08:01	12/04/14 01:49	1
Chrysene	ND		5.4	0.35	ug/L		11/15/14 08:01	12/04/14 01:49	1
Dibenz(a,h)anthracene	ND		5.4	0.45	ug/L		11/15/14 08:01	12/04/14 01:49	1
Dibenzofuran	ND		11	0.55	ug/L		11/15/14 08:01	12/04/14 01:49	1
Diethyl phthalate	ND		5.4	0.24	ug/L		11/15/14 08:01	12/04/14 01:49	1
Dimethyl phthalate	ND		5.4	0.39	ug/L		11/15/14 08:01	12/04/14 01:49	1
Di-n-butyl phthalate	ND		5.4	0.33	ug/L		11/15/14 08:01	12/04/14 01:49	1
Di-n-octyl phthalate	ND		5.4	0.51	ug/L		11/15/14 08:01	12/04/14 01:49	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-18-1114-U
Date Collected: 11/13/14 11:45
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.4	0.43	ug/L		11/15/14 08:01	12/04/14 01:49	1
Fluorene	ND		5.4	0.39	ug/L		11/15/14 08:01	12/04/14 01:49	1
Hexachlorobenzene	ND		5.4	0.55	ug/L		11/15/14 08:01	12/04/14 01:49	1
Hexachlorobutadiene	ND		5.4	0.73	ug/L		11/15/14 08:01	12/04/14 01:49	1
Hexachlorocyclopentadiene	ND		5.4	0.63	ug/L		11/15/14 08:01	12/04/14 01:49	1
Hexachloroethane	ND		5.4	0.63	ug/L		11/15/14 08:01	12/04/14 01:49	1
Indeno[1,2,3-cd]pyrene	ND	*	5.4	0.51	ug/L		11/15/14 08:01	12/04/14 01:49	1
Isophorone	ND		5.4	0.46	ug/L		11/15/14 08:01	12/04/14 01:49	1
Naphthalene	ND		5.4	0.82	ug/L		11/15/14 08:01	12/04/14 01:49	1
Nitrobenzene	ND		5.4	0.31	ug/L		11/15/14 08:01	12/04/14 01:49	1
N-Nitrosodi-n-propylamine	ND		5.4	0.58	ug/L		11/15/14 08:01	12/04/14 01:49	1
N-Nitrosodiphenylamine	ND		5.4	0.55	ug/L		11/15/14 08:01	12/04/14 01:49	1
Pentachlorophenol	ND		11	2.4	ug/L		11/15/14 08:01	12/04/14 01:49	1
Phenanthrene	ND		5.4	0.47	ug/L		11/15/14 08:01	12/04/14 01:49	1
Phenol	**0.45**	**J B**	5.4	0.42	ug/L		11/15/14 08:01	12/04/14 01:49	1
Pyrene	ND		5.4	0.37	ug/L		11/15/14 08:01	12/04/14 01:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*65*	*T J*	*ug/L*		*3.15*		*11/15/14 08:01*	*12/04/14 01:49*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*4.58*		*11/15/14 08:01*	*12/04/14 01:49*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*4.60*		*11/15/14 08:01*	*12/04/14 01:49*	*1*
Acrylamide	*8.9*		*ug/L*		*4.82*	*79-06-1*	*11/15/14 08:01*	*12/04/14 01:49*	*1*
Cyclotetrasiloxane, octamethyl-	*11*	*T J N*	*ug/L*		*5.66*	*556-67-2*	*11/15/14 08:01*	*12/04/14 01:49*	*1*
1-Hexanol, 2-ethyl-	*1.9*	*T J N*	*ug/L*		*6.04*	*104-76-7*	*11/15/14 08:01*	*12/04/14 01:49*	*1*
D-Limonene	*2.4*	*T J N*	*ug/L*		*6.06*	*5989-27-5*	*11/15/14 08:01*	*12/04/14 01:49*	*1*
Cyclopentasiloxane, decamethyl-	*4.6*	*T J N*	*ug/L*		*6.60*	*541-02-6*	*11/15/14 08:01*	*12/04/14 01:49*	*1*
Octanoic Acid	*2.6*	*T J N*	*ug/L*		*6.88*	*124-07-2*	*11/15/14 08:01*	*12/04/14 01:49*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*9.90*		*11/15/14 08:01*	*12/04/14 01:49*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*10.40*		*11/15/14 08:01*	*12/04/14 01:49*	*1*
Unknown	*8.2*	*T J*	*ug/L*		*10.78*		*11/15/14 08:01*	*12/04/14 01:49*	*1*
Unknown	*6.6*	*T J*	*ug/L*		*11.24*		*11/15/14 08:01*	*12/04/14 01:49*	*1*
3,3'-Dimethylbenzidine	*5.7*	*J*	*ug/L*		*11.45*	*119-93-7*	*11/15/14 08:01*	*12/04/14 01:49*	*1*
Unknown	*9.8*	*T J*	*ug/L*		*11.60*		*11/15/14 08:01*	*12/04/14 01:49*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*11.91*		*11/15/14 08:01*	*12/04/14 01:49*	*1*
Unknown	*9.8*	*T J*	*ug/L*		*12.15*		*11/15/14 08:01*	*12/04/14 01:49*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*12.94*		*11/15/14 08:01*	*12/04/14 01:49*	*1*
Unknown	*11*	*T J*	*ug/L*		*13.24*		*11/15/14 08:01*	*12/04/14 01:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*52 - 132*	*11/15/14 08:01*	*12/04/14 01:49*	*1*
2-Fluorobiphenyl	*50*		*48 - 120*	*11/15/14 08:01*	*12/04/14 01:49*	*1*
2-Fluorophenol (Surr)	*51*		*20 - 120*	*11/15/14 08:01*	*12/04/14 01:49*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 120*	*11/15/14 08:01*	*12/04/14 01:49*	*1*
Phenol-d5 (Surr)	*39*		*16 - 120*	*11/15/14 08:01*	*12/04/14 01:49*	*1*
p-Terphenyl-d14 (Surr)	*59*	*X*	*67 - 150*	*11/15/14 08:01*	*12/04/14 01:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 12:01	11/17/14 21:28	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 12:01	11/17/14 21:28	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-18-1114-U
Date Collected: 11/13/14 11:45
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-7
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 12:01	11/17/14 21:28	1
Barium	**0.16**		0.0020	0.00070	mg/L		11/14/14 12:01	11/17/14 21:28	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 12:01	11/17/14 21:28	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 12:01	11/17/14 21:28	1
Calcium	**228**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:28	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 12:01	11/17/14 21:28	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 12:01	11/17/14 21:28	1
Copper	**0.0024**	**J ^**	0.010	0.0016	mg/L		11/14/14 12:01	11/17/14 21:28	1
Iron	**0.93**		0.050	0.019	mg/L		11/14/14 12:01	11/17/14 21:28	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 12:01	11/17/14 21:28	1
Magnesium	**0.87**		0.20	0.043	mg/L		11/14/14 12:01	11/17/14 21:28	1
Manganese	**0.065**		0.0030	0.00040	mg/L		11/14/14 12:01	11/17/14 21:28	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 12:01	11/17/14 21:28	1
Potassium	**28.7**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:28	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 12:01	11/17/14 21:28	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 12:01	11/17/14 21:28	1
Sodium	**46.8**		1.0	0.32	mg/L		11/14/14 12:01	11/17/14 21:28	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 12:01	11/17/14 21:28	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 12:01	11/17/14 21:28	1
Zinc	**0.010**	**B**	0.010	0.0015	mg/L		11/14/14 12:01	11/17/14 21:28	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 10:25	11/14/14 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/26/14 02:10	11/26/14 10:46	1
Cyanide, Available	**0.0031**		0.0020	0.0018	mg/L			11/25/14 12:24	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-18-1114-F
Date Collected: 11/13/14 12:10
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		11/15/14 08:01	12/04/14 02:14	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		11/15/14 08:01	12/04/14 02:14	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		11/15/14 08:01	12/04/14 02:14	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		11/15/14 08:01	12/04/14 02:14	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		11/15/14 08:01	12/04/14 02:14	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		11/15/14 08:01	12/04/14 02:14	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		11/15/14 08:01	12/04/14 02:14	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		11/15/14 08:01	12/04/14 02:14	1
2-Chlorophenol	ND		4.9	0.52	ug/L		11/15/14 08:01	12/04/14 02:14	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		11/15/14 08:01	12/04/14 02:14	1
2-Methylphenol	ND		4.9	0.39	ug/L		11/15/14 08:01	12/04/14 02:14	1
2-Nitroaniline	ND		9.8	0.41	ug/L		11/15/14 08:01	12/04/14 02:14	1
2-Nitrophenol	ND		4.9	0.47	ug/L		11/15/14 08:01	12/04/14 02:14	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		11/15/14 08:01	12/04/14 02:14	1
3-Nitroaniline	ND	*	9.8	0.47	ug/L		11/15/14 08:01	12/04/14 02:14	1
4,6-Dinitro-2-methylphenol	ND	*	9.8	2.2	ug/L		11/15/14 08:01	12/04/14 02:14	1
4-Bromophenyl phenyl ether	ND	*	4.9	0.44	ug/L		11/15/14 08:01	12/04/14 02:14	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		11/15/14 08:01	12/04/14 02:14	1
4-Chloroaniline	ND		4.9	0.58	ug/L		11/15/14 08:01	12/04/14 02:14	1
4-Chlorophenyl phenyl ether	ND	*	4.9	0.34	ug/L		11/15/14 08:01	12/04/14 02:14	1
4-Methylphenol	**0.52**	**J**	9.8	0.35	ug/L		11/15/14 08:01	12/04/14 02:14	1
4-Nitroaniline	ND		9.8	0.25	ug/L		11/15/14 08:01	12/04/14 02:14	1
4-Nitrophenol	ND		9.8	1.5	ug/L		11/15/14 08:01	12/04/14 02:14	1
Acenaphthene	ND		4.9	0.40	ug/L		11/15/14 08:01	12/04/14 02:14	1
Acenaphthylene	ND		4.9	0.37	ug/L		11/15/14 08:01	12/04/14 02:14	1
Acetophenone	ND		4.9	0.53	ug/L		11/15/14 08:01	12/04/14 02:14	1
Anthracene	ND		4.9	0.28	ug/L		11/15/14 08:01	12/04/14 02:14	1
Atrazine	ND		4.9	0.45	ug/L		11/15/14 08:01	12/04/14 02:14	1
Benzaldehyde	**0.91**	**J B**	4.9	0.26	ug/L		11/15/14 08:01	12/04/14 02:14	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		11/15/14 08:01	12/04/14 02:14	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		11/15/14 08:01	12/04/14 02:14	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		11/15/14 08:01	12/04/14 02:14	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		11/15/14 08:01	12/04/14 02:14	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		11/15/14 08:01	12/04/14 02:14	1
Biphenyl	ND		4.9	0.64	ug/L		11/15/14 08:01	12/04/14 02:14	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		11/15/14 08:01	12/04/14 02:14	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		11/15/14 08:01	12/04/14 02:14	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		11/15/14 08:01	12/04/14 02:14	1
Bis(2-ethylhexyl) phthalate	**3.1**	**J B**	4.9	1.8	ug/L		11/15/14 08:01	12/04/14 02:14	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		11/15/14 08:01	12/04/14 02:14	1
Caprolactam	ND		4.9	2.2	ug/L		11/15/14 08:01	12/04/14 02:14	1
Carbazole	ND		4.9	0.30	ug/L		11/15/14 08:01	12/04/14 02:14	1
Chrysene	ND		4.9	0.32	ug/L		11/15/14 08:01	12/04/14 02:14	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		11/15/14 08:01	12/04/14 02:14	1
Dibenzofuran	ND		9.8	0.50	ug/L		11/15/14 08:01	12/04/14 02:14	1
Diethyl phthalate	ND		4.9	0.22	ug/L		11/15/14 08:01	12/04/14 02:14	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		11/15/14 08:01	12/04/14 02:14	1
Di-n-butyl phthalate	ND		4.9	0.30	ug/L		11/15/14 08:01	12/04/14 02:14	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		11/15/14 08:01	12/04/14 02:14	1

Client Sample ID: SW-CB-18-1114-F
Date Collected: 11/13/14 12:10
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		11/15/14 08:01	12/04/14 02:14	1
Fluorene	ND		4.9	0.35	ug/L		11/15/14 08:01	12/04/14 02:14	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		11/15/14 08:01	12/04/14 02:14	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		11/15/14 08:01	12/04/14 02:14	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		11/15/14 08:01	12/04/14 02:14	1
Hexachloroethane	ND		4.9	0.58	ug/L		11/15/14 08:01	12/04/14 02:14	1
Indeno[1,2,3-cd]pyrene	ND	*	4.9	0.46	ug/L		11/15/14 08:01	12/04/14 02:14	1
Isophorone	ND		4.9	0.42	ug/L		11/15/14 08:01	12/04/14 02:14	1
Naphthalene	ND		4.9	0.75	ug/L		11/15/14 08:01	12/04/14 02:14	1
Nitrobenzene	ND		4.9	0.29	ug/L		11/15/14 08:01	12/04/14 02:14	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		11/15/14 08:01	12/04/14 02:14	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		11/15/14 08:01	12/04/14 02:14	1
Pentachlorophenol	ND		9.8	2.2	ug/L		11/15/14 08:01	12/04/14 02:14	1
Phenanthrene	ND		4.9	0.43	ug/L		11/15/14 08:01	12/04/14 02:14	1
Phenol	**0.49**	**J B**	4.9	0.38	ug/L		11/15/14 08:01	12/04/14 02:14	1
Pyrene	ND		4.9	0.33	ug/L		11/15/14 08:01	12/04/14 02:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.9*	*T J*	*ug/L*		*3.13*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*65*	*T J*	*ug/L*		*3.16*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*5.1*	*T J*	*ug/L*		*4.61*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
Acrylamide	*8.1*		*ug/L*		*4.85*	*79-06-1*	*11/15/14 08:01*	*12/04/14 02:14*	*1*
Cyclotetrasiloxane, octamethyl-	*12*	*T J N*	*ug/L*		*5.66*	*556-67-2*	*11/15/14 08:01*	*12/04/14 02:14*	*1*
Cyclopentasiloxane, decamethyl-	*5.1*	*T J N*	*ug/L*		*6.60*	*541-02-6*	*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*6.88*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
n-Hexadecanoic acid	*3.1*	*T J N*	*ug/L*		*10.17*	*57-10-3*	*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*31*	*T J*	*ug/L*		*10.76*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*10*	*T J*	*ug/L*		*11.24*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
3,3'-Dimethylbenzidine	*5.2*	*J*	*ug/L*		*11.45*	*119-93-7*	*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*24*	*T J*	*ug/L*		*11.59*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*6.2*	*T J*	*ug/L*		*11.91*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*23*	*T J*	*ug/L*		*12.15*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*48*	*T J*	*ug/L*		*12.55*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*7.8*	*T J*	*ug/L*		*12.95*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*34*	*T J*	*ug/L*		*13.24*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*8.7*	*T J*	*ug/L*		*14.17*		*11/15/14 08:01*	*12/04/14 02:14*	*1*
Unknown	*34*	*T J*	*ug/L*		*14.50*		*11/15/14 08:01*	*12/04/14 02:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*52 - 132*	*11/15/14 08:01*	*12/04/14 02:14*	*1*
2-Fluorobiphenyl	*56*		*48 - 120*	*11/15/14 08:01*	*12/04/14 02:14*	*1*
2-Fluorophenol (Surr)	*59*		*20 - 120*	*11/15/14 08:01*	*12/04/14 02:14*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*11/15/14 08:01*	*12/04/14 02:14*	*1*
Phenol-d5 (Surr)	*41*		*16 - 120*	*11/15/14 08:01*	*12/04/14 02:14*	*1*
p-Terphenyl-d14 (Surr)	*64*	*X*	*67 - 150*	*11/15/14 08:01*	*12/04/14 02:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 12:01	11/17/14 21:31	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 12:01	11/17/14 21:31	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-18-1114-F
Date Collected: 11/13/14 12:10
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-8
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 12:01	11/17/14 21:31	1
Barium	**0.14**		0.0020	0.00070	mg/L		11/14/14 12:01	11/17/14 21:31	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 12:01	11/17/14 21:31	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 12:01	11/17/14 21:31	1
Calcium	**182**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:31	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 12:01	11/17/14 21:31	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 12:01	11/17/14 21:31	1
Copper	**0.0019**	**J ^**	0.010	0.0016	mg/L		11/14/14 12:01	11/17/14 21:31	1
Iron	ND		0.050	0.019	mg/L		11/14/14 12:01	11/17/14 21:31	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 12:01	11/17/14 21:31	1
Magnesium	**0.16**	**J**	0.20	0.043	mg/L		11/14/14 12:01	11/17/14 21:31	1
Manganese	**0.00048**	**J**	0.0030	0.00040	mg/L		11/14/14 12:01	11/17/14 21:31	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 12:01	11/17/14 21:31	1
Potassium	**27.6**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:31	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 12:01	11/17/14 21:31	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 12:01	11/17/14 21:31	1
Sodium	**45.0**		1.0	0.32	mg/L		11/14/14 12:01	11/17/14 21:31	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 12:01	11/17/14 21:31	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 12:01	11/17/14 21:31	1
Zinc	**0.0081**	**J B**	0.010	0.0015	mg/L		11/14/14 12:01	11/17/14 21:31	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 10:25	11/14/14 15:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/24/14 15:35	11/25/14 11:58	1
Cyanide, Available	**0.0031**		0.0020	0.0018	mg/L			11/25/14 12:26	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-19-1114-U
Date Collected: 11/13/14 11:05
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		11/15/14 08:01	12/04/14 02:39	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		11/15/14 08:01	12/04/14 02:39	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		11/15/14 08:01	12/04/14 02:39	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		11/15/14 08:01	12/04/14 02:39	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		11/15/14 08:01	12/04/14 02:39	1
2,4-Dinitrotoluene	ND		5.2	0.46	ug/L		11/15/14 08:01	12/04/14 02:39	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 02:39	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		11/15/14 08:01	12/04/14 02:39	1
2-Chlorophenol	ND		5.2	0.55	ug/L		11/15/14 08:01	12/04/14 02:39	1
2-Methylnaphthalene	ND		5.2	0.62	ug/L		11/15/14 08:01	12/04/14 02:39	1
2-Methylphenol	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 02:39	1
2-Nitroaniline	ND		10	0.44	ug/L		11/15/14 08:01	12/04/14 02:39	1
2-Nitrophenol	ND		5.2	0.50	ug/L		11/15/14 08:01	12/04/14 02:39	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 02:39	1
3-Nitroaniline	ND	*	10	0.50	ug/L		11/15/14 08:01	12/04/14 02:39	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		11/15/14 08:01	12/04/14 02:39	1
4-Bromophenyl phenyl ether	ND	*	5.2	0.47	ug/L		11/15/14 08:01	12/04/14 02:39	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		11/15/14 08:01	12/04/14 02:39	1
4-Chloroaniline	ND		5.2	0.61	ug/L		11/15/14 08:01	12/04/14 02:39	1
4-Chlorophenyl phenyl ether	ND	*	5.2	0.36	ug/L		11/15/14 08:01	12/04/14 02:39	1
4-Methylphenol	ND		10	0.37	ug/L		11/15/14 08:01	12/04/14 02:39	1
4-Nitroaniline	ND		10	0.26	ug/L		11/15/14 08:01	12/04/14 02:39	1
4-Nitrophenol	ND		10	1.6	ug/L		11/15/14 08:01	12/04/14 02:39	1
Acenaphthene	ND		5.2	0.43	ug/L		11/15/14 08:01	12/04/14 02:39	1
Acenaphthylene	ND		5.2	0.39	ug/L		11/15/14 08:01	12/04/14 02:39	1
Acetophenone	ND		5.2	0.56	ug/L		11/15/14 08:01	12/04/14 02:39	1
Anthracene	ND		5.2	0.29	ug/L		11/15/14 08:01	12/04/14 02:39	1
Atrazine	ND		5.2	0.48	ug/L		11/15/14 08:01	12/04/14 02:39	1
Benzaldehyde	**0.87**	**J B**	5.2	0.28	ug/L		11/15/14 08:01	12/04/14 02:39	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		11/15/14 08:01	12/04/14 02:39	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/15/14 08:01	12/04/14 02:39	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/15/14 08:01	12/04/14 02:39	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/15/14 08:01	12/04/14 02:39	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/15/14 08:01	12/04/14 02:39	1
Biphenyl	ND		5.2	0.68	ug/L		11/15/14 08:01	12/04/14 02:39	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		11/15/14 08:01	12/04/14 02:39	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		11/15/14 08:01	12/04/14 02:39	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 02:39	1
Bis(2-ethylhexyl) phthalate	**3.5**	**J B**	5.2	1.9	ug/L		11/15/14 08:01	12/04/14 02:39	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		11/15/14 08:01	12/04/14 02:39	1
Caprolactam	ND		5.2	2.3	ug/L		11/15/14 08:01	12/04/14 02:39	1
Carbazole	ND		5.2	0.31	ug/L		11/15/14 08:01	12/04/14 02:39	1
Chrysene	ND		5.2	0.34	ug/L		11/15/14 08:01	12/04/14 02:39	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/15/14 08:01	12/04/14 02:39	1
Dibenzofuran	ND		10	0.53	ug/L		11/15/14 08:01	12/04/14 02:39	1
Diethyl phthalate	ND		5.2	0.23	ug/L		11/15/14 08:01	12/04/14 02:39	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		11/15/14 08:01	12/04/14 02:39	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		11/15/14 08:01	12/04/14 02:39	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		11/15/14 08:01	12/04/14 02:39	1

Client Sample ID: SW-CB-19-1114-U
Date Collected: 11/13/14 11:05
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		11/15/14 08:01	12/04/14 02:39	1
Fluorene	ND		5.2	0.37	ug/L		11/15/14 08:01	12/04/14 02:39	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		11/15/14 08:01	12/04/14 02:39	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		11/15/14 08:01	12/04/14 02:39	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		11/15/14 08:01	12/04/14 02:39	1
Hexachloroethane	ND		5.2	0.61	ug/L		11/15/14 08:01	12/04/14 02:39	1
Indeno[1,2,3-cd]pyrene	ND	*	5.2	0.49	ug/L		11/15/14 08:01	12/04/14 02:39	1
Isophorone	ND		5.2	0.45	ug/L		11/15/14 08:01	12/04/14 02:39	1
Naphthalene	ND		5.2	0.79	ug/L		11/15/14 08:01	12/04/14 02:39	1
Nitrobenzene	ND		5.2	0.30	ug/L		11/15/14 08:01	12/04/14 02:39	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		11/15/14 08:01	12/04/14 02:39	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		11/15/14 08:01	12/04/14 02:39	1
Pentachlorophenol	ND		10	2.3	ug/L		11/15/14 08:01	12/04/14 02:39	1
Phenanthrene	ND		5.2	0.46	ug/L		11/15/14 08:01	12/04/14 02:39	1
Phenol	ND		5.2	0.40	ug/L		11/15/14 08:01	12/04/14 02:39	1
Pyrene	ND		5.2	0.35	ug/L		11/15/14 08:01	12/04/14 02:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*73*	*T J*	*ug/L*		*3.16*		*11/15/14 08:01*	*12/04/14 02:39*	*1*
Unknown	*5.5*	*T J*	*ug/L*		*4.60*		*11/15/14 08:01*	*12/04/14 02:39*	*1*
Acrylamide	*8.6*		*ug/L*		*4.83*	*79-06-1*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
Cyclotetrasiloxane, octamethyl-	*11*	*T J N*	*ug/L*		*5.66*	*556-67-2*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
D-Limonene	*3.4*	*T J N*	*ug/L*		*6.06*	*5989-27-5*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
Cyclopentasiloxane, decamethyl-	*5.5*	*T J N*	*ug/L*		*6.60*	*541-02-6*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
n-Hexadecanoic acid	*7.9*	*T J N*	*ug/L*		*10.17*	*57-10-3*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
Unknown	*15*	*T J*	*ug/L*		*10.76*		*11/15/14 08:01*	*12/04/14 02:39*	*1*
Octadecanoic acid	*5.2*	*T J N*	*ug/L*		*10.82*	*57-11-4*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
Unknown	*9.7*	*T J*	*ug/L*		*11.23*		*11/15/14 08:01*	*12/04/14 02:39*	*1*
3,3'-Dimethylbenzidine	*5.5*	*J*	*ug/L*		*11.47*	*119-93-7*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
Unknown	*29*	*T J*	*ug/L*		*11.59*		*11/15/14 08:01*	*12/04/14 02:39*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*11.91*		*11/15/14 08:01*	*12/04/14 02:39*	*1*
Unknown	*14*	*T J*	*ug/L*		*12.15*		*11/15/14 08:01*	*12/04/14 02:39*	*1*
Unknown	*13*	*T J*	*ug/L*		*12.55*		*11/15/14 08:01*	*12/04/14 02:39*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*12.95*		*11/15/14 08:01*	*12/04/14 02:39*	*1*
9-Octadecenamide, (Z)-	*7.3*	*T J N*	*ug/L*		*13.02*	*301-02-0*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
Unknown	*18*	*T J*	*ug/L*		*13.24*		*11/15/14 08:01*	*12/04/14 02:39*	*1*
Unknown	*16*	*T J*	*ug/L*		*14.51*		*11/15/14 08:01*	*12/04/14 02:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*52 - 132*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
2-Fluorobiphenyl	*56*		*48 - 120*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
2-Fluorophenol (Surr)	*60*		*20 - 120*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 120*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
Phenol-d5 (Surr)	*40*		*16 - 120*	*11/15/14 08:01*	*12/04/14 02:39*	*1*
p-Terphenyl-d14 (Surr)	*62*	*X*	*67 - 150*	*11/15/14 08:01*	*12/04/14 02:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 12:01	11/17/14 21:34	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 12:01	11/17/14 21:34	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-19-1114-U
Date Collected: 11/13/14 11:05
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-9
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0056**	**J**	0.015	0.0056	mg/L		11/14/14 12:01	11/17/14 21:34	1
Barium	**0.039**		0.0020	0.00070	mg/L		11/14/14 12:01	11/17/14 21:34	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 12:01	11/17/14 21:34	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 12:01	11/17/14 21:34	1
Calcium	**52.3**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:34	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 12:01	11/17/14 21:34	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 12:01	11/17/14 21:34	1
Copper	**0.0019**	**J ^**	0.010	0.0016	mg/L		11/14/14 12:01	11/17/14 21:34	1
Iron	**0.026**	**J**	0.050	0.019	mg/L		11/14/14 12:01	11/17/14 21:34	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 12:01	11/17/14 21:34	1
Magnesium	**7.0**		0.20	0.043	mg/L		11/14/14 12:01	11/17/14 21:34	1
Manganese	**0.0049**		0.0030	0.00040	mg/L		11/14/14 12:01	11/17/14 21:34	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 12:01	11/17/14 21:34	1
Potassium	**7.1**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:34	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 12:01	11/17/14 21:34	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 12:01	11/17/14 21:34	1
Sodium	**19.1**		1.0	0.32	mg/L		11/14/14 12:01	11/17/14 21:34	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 12:01	11/17/14 21:34	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 12:01	11/17/14 21:34	1
Zinc	**0.0083**	**J B**	0.010	0.0015	mg/L		11/14/14 12:01	11/17/14 21:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 10:25	11/14/14 15:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/24/14 15:35	11/25/14 11:59	1
Cyanide, Available	**0.0039**		0.0020	0.0018	mg/L			11/25/14 12:27	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-19-1114-F
Date Collected: 11/13/14 11:00
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		11/15/14 08:01	12/04/14 03:03	1
2,4,6-Trichlorophenol	ND		5.3	0.64	ug/L		11/15/14 08:01	12/04/14 03:03	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		11/15/14 08:01	12/04/14 03:03	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		11/15/14 08:01	12/04/14 03:03	1
2,4-Dinitrophenol	ND		11	2.3	ug/L		11/15/14 08:01	12/04/14 03:03	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		11/15/14 08:01	12/04/14 03:03	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		11/15/14 08:01	12/04/14 03:03	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		11/15/14 08:01	12/04/14 03:03	1
2-Chlorophenol	ND		5.3	0.56	ug/L		11/15/14 08:01	12/04/14 03:03	1
2-Methylnaphthalene	ND		5.3	0.63	ug/L		11/15/14 08:01	12/04/14 03:03	1
2-Methylphenol	ND		5.3	0.42	ug/L		11/15/14 08:01	12/04/14 03:03	1
2-Nitroaniline	ND		11	0.44	ug/L		11/15/14 08:01	12/04/14 03:03	1
2-Nitrophenol	ND		5.3	0.51	ug/L		11/15/14 08:01	12/04/14 03:03	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		11/15/14 08:01	12/04/14 03:03	1
3-Nitroaniline	ND	*	11	0.51	ug/L		11/15/14 08:01	12/04/14 03:03	1
4,6-Dinitro-2-methylphenol	ND	*	11	2.3	ug/L		11/15/14 08:01	12/04/14 03:03	1
4-Bromophenyl phenyl ether	ND	*	5.3	0.48	ug/L		11/15/14 08:01	12/04/14 03:03	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		11/15/14 08:01	12/04/14 03:03	1
4-Chloroaniline	ND		5.3	0.62	ug/L		11/15/14 08:01	12/04/14 03:03	1
4-Chlorophenyl phenyl ether	ND	*	5.3	0.37	ug/L		11/15/14 08:01	12/04/14 03:03	1
4-Methylphenol	ND		11	0.38	ug/L		11/15/14 08:01	12/04/14 03:03	1
4-Nitroaniline	ND		11	0.26	ug/L		11/15/14 08:01	12/04/14 03:03	1
4-Nitrophenol	ND		11	1.6	ug/L		11/15/14 08:01	12/04/14 03:03	1
Acenaphthene	ND		5.3	0.43	ug/L		11/15/14 08:01	12/04/14 03:03	1
Acenaphthylene	ND		5.3	0.40	ug/L		11/15/14 08:01	12/04/14 03:03	1
Acetophenone	ND		5.3	0.57	ug/L		11/15/14 08:01	12/04/14 03:03	1
Anthracene	ND		5.3	0.30	ug/L		11/15/14 08:01	12/04/14 03:03	1
Atrazine	ND		5.3	0.49	ug/L		11/15/14 08:01	12/04/14 03:03	1
Benzaldehyde	**0.72**	**J B**	5.3	0.28	ug/L		11/15/14 08:01	12/04/14 03:03	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		11/15/14 08:01	12/04/14 03:03	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		11/15/14 08:01	12/04/14 03:03	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		11/15/14 08:01	12/04/14 03:03	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		11/15/14 08:01	12/04/14 03:03	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		11/15/14 08:01	12/04/14 03:03	1
Biphenyl	ND		5.3	0.69	ug/L		11/15/14 08:01	12/04/14 03:03	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		11/15/14 08:01	12/04/14 03:03	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		11/15/14 08:01	12/04/14 03:03	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		11/15/14 08:01	12/04/14 03:03	1
Bis(2-ethylhexyl) phthalate	**3.5**	**J B**	5.3	1.9	ug/L		11/15/14 08:01	12/04/14 03:03	1
Butyl benzyl phthalate	ND		5.3	0.44	ug/L		11/15/14 08:01	12/04/14 03:03	1
Caprolactam	ND		5.3	2.3	ug/L		11/15/14 08:01	12/04/14 03:03	1
Carbazole	ND		5.3	0.32	ug/L		11/15/14 08:01	12/04/14 03:03	1
Chrysene	ND		5.3	0.35	ug/L		11/15/14 08:01	12/04/14 03:03	1
Dibenz(a,h)anthracene	ND		5.3	0.44	ug/L		11/15/14 08:01	12/04/14 03:03	1
Dibenzofuran	ND		11	0.54	ug/L		11/15/14 08:01	12/04/14 03:03	1
Diethyl phthalate	ND		5.3	0.23	ug/L		11/15/14 08:01	12/04/14 03:03	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		11/15/14 08:01	12/04/14 03:03	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		11/15/14 08:01	12/04/14 03:03	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		11/15/14 08:01	12/04/14 03:03	1

Client Sample ID: SW-CB-19-1114-F
Date Collected: 11/13/14 11:00
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.42	ug/L		11/15/14 08:01	12/04/14 03:03	1
Fluorene	ND		5.3	0.38	ug/L		11/15/14 08:01	12/04/14 03:03	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		11/15/14 08:01	12/04/14 03:03	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		11/15/14 08:01	12/04/14 03:03	1
Hexachlorocyclopentadiene	ND		5.3	0.62	ug/L		11/15/14 08:01	12/04/14 03:03	1
Hexachloroethane	ND		5.3	0.62	ug/L		11/15/14 08:01	12/04/14 03:03	1
Indeno[1,2,3-cd]pyrene	ND	*	5.3	0.50	ug/L		11/15/14 08:01	12/04/14 03:03	1
Isophorone	ND		5.3	0.45	ug/L		11/15/14 08:01	12/04/14 03:03	1
Naphthalene	ND		5.3	0.80	ug/L		11/15/14 08:01	12/04/14 03:03	1
Nitrobenzene	ND		5.3	0.31	ug/L		11/15/14 08:01	12/04/14 03:03	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		11/15/14 08:01	12/04/14 03:03	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		11/15/14 08:01	12/04/14 03:03	1
Pentachlorophenol	ND		11	2.3	ug/L		11/15/14 08:01	12/04/14 03:03	1
Phenanthrene	ND		5.3	0.46	ug/L		11/15/14 08:01	12/04/14 03:03	1
Phenol	ND		5.3	0.41	ug/L		11/15/14 08:01	12/04/14 03:03	1
Pyrene	ND		5.3	0.36	ug/L		11/15/14 08:01	12/04/14 03:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*75*	*T J*	*ug/L*		*3.16*		*11/15/14 08:01*	*12/04/14 03:03*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*4.58*		*11/15/14 08:01*	*12/04/14 03:03*	*1*
Unknown	*12*	*T J*	*ug/L*		*4.61*		*11/15/14 08:01*	*12/04/14 03:03*	*1*
Acrylamide	*8.7*		*ug/L*		*4.87*	*79-06-1*	*11/15/14 08:01*	*12/04/14 03:03*	*1*
Cyclotetrasiloxane, octamethyl-	*12*	*T J N*	*ug/L*		*5.66*	*556-67-2*	*11/15/14 08:01*	*12/04/14 03:03*	*1*
Cyclopentasiloxane, decamethyl-	*5.9*	*T J N*	*ug/L*		*6.60*	*541-02-6*	*11/15/14 08:01*	*12/04/14 03:03*	*1*
n-Hexadecanoic acid	*3.1*	*T J N*	*ug/L*		*10.17*	*57-10-3*	*11/15/14 08:01*	*12/04/14 03:03*	*1*
Unknown	*10*	*T J*	*ug/L*		*10.76*		*11/15/14 08:01*	*12/04/14 03:03*	*1*
Octadecanoic acid	*2.3*	*T J N*	*ug/L*		*10.81*	*57-11-4*	*11/15/14 08:01*	*12/04/14 03:03*	*1*
Unknown	*7.8*	*T J*	*ug/L*		*11.23*		*11/15/14 08:01*	*12/04/14 03:03*	*1*
3,3'-Dimethylbenzidine	*5.6*	*J*	*ug/L*		*11.47*	*119-93-7*	*11/15/14 08:01*	*12/04/14 03:03*	*1*
Unknown	*29*	*T J*	*ug/L*		*11.59*		*11/15/14 08:01*	*12/04/14 03:03*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*11.91*		*11/15/14 08:01*	*12/04/14 03:03*	*1*
Unknown	*14*	*T J*	*ug/L*		*12.15*		*11/15/14 08:01*	*12/04/14 03:03*	*1*
Unknown	*7.7*	*T J*	*ug/L*		*12.54*		*11/15/14 08:01*	*12/04/14 03:03*	*1*
Kepone	*2.3*	*J*	*ug/L*		*12.56*	*143-50-0*	*11/15/14 08:01*	*12/04/14 03:03*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*12.94*		*11/15/14 08:01*	*12/04/14 03:03*	*1*
Unknown	*18*	*T J*	*ug/L*		*13.24*		*11/15/14 08:01*	*12/04/14 03:03*	*1*
Unknown	*17*	*T J*	*ug/L*		*14.50*		*11/15/14 08:01*	*12/04/14 03:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*52 - 132*	*11/15/14 08:01*	*12/04/14 03:03*	*1*
2-Fluorobiphenyl	*57*		*48 - 120*	*11/15/14 08:01*	*12/04/14 03:03*	*1*
2-Fluorophenol (Surr)	*58*		*20 - 120*	*11/15/14 08:01*	*12/04/14 03:03*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 120*	*11/15/14 08:01*	*12/04/14 03:03*	*1*
Phenol-d5 (Surr)	*41*		*16 - 120*	*11/15/14 08:01*	*12/04/14 03:03*	*1*
p-Terphenyl-d14 (Surr)	*61*	*X*	*67 - 150*	*11/15/14 08:01*	*12/04/14 03:03*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/14/14 12:01	11/17/14 21:36	1
Antimony	ND		0.020	0.0068	mg/L		11/14/14 12:01	11/17/14 21:36	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-19-1114-F
Date Collected: 11/13/14 11:00
Date Received: 11/13/14 15:50

Lab Sample ID: 480-71360-10
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/14/14 12:01	11/17/14 21:36	1
Barium	**0.036**		0.0020	0.00070	mg/L		11/14/14 12:01	11/17/14 21:36	1
Beryllium	ND		0.0020	0.00030	mg/L		11/14/14 12:01	11/17/14 21:36	1
Cadmium	ND		0.0020	0.00050	mg/L		11/14/14 12:01	11/17/14 21:36	1
Calcium	**48.6**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:36	1
Chromium	ND		0.0040	0.0010	mg/L		11/14/14 12:01	11/17/14 21:36	1
Cobalt	ND		0.0040	0.00063	mg/L		11/14/14 12:01	11/17/14 21:36	1
Copper	**0.0016**	**J ^**	0.010	0.0016	mg/L		11/14/14 12:01	11/17/14 21:36	1
Iron	ND		0.050	0.019	mg/L		11/14/14 12:01	11/17/14 21:36	1
Lead	ND		0.010	0.0030	mg/L		11/14/14 12:01	11/17/14 21:36	1
Magnesium	**7.6**		0.20	0.043	mg/L		11/14/14 12:01	11/17/14 21:36	1
Manganese	**0.0025**	**J**	0.0030	0.00040	mg/L		11/14/14 12:01	11/17/14 21:36	1
Nickel	ND		0.010	0.0013	mg/L		11/14/14 12:01	11/17/14 21:36	1
Potassium	**7.9**		0.50	0.10	mg/L		11/14/14 12:01	11/17/14 21:36	1
Selenium	ND		0.025	0.0087	mg/L		11/14/14 12:01	11/17/14 21:36	1
Silver	ND		0.0060	0.0017	mg/L		11/14/14 12:01	11/17/14 21:36	1
Sodium	**21.1**		1.0	0.32	mg/L		11/14/14 12:01	11/17/14 21:36	1
Thallium	ND		0.020	0.010	mg/L		11/14/14 12:01	11/17/14 21:36	1
Vanadium	ND		0.0050	0.0015	mg/L		11/14/14 12:01	11/17/14 21:36	1
Zinc	**0.012**	**B**	0.010	0.0015	mg/L		11/14/14 12:01	11/17/14 21:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/14/14 10:25	11/14/14 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/24/14 15:35	11/25/14 12:01	1
Cyanide, Available	**0.0022**		0.0020	0.0018	mg/L			11/25/14 12:29	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-13-1114-U

Lab Sample ID: 480-71360-1

Date Collected: 11/12/14 15:40

Matrix: Water

Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214251	11/15/14 08:01	JLS	TAL BUF
Total/NA	Analysis	8270D		1	217013	12/03/14 23:20	JMM	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF
Total/NA	Analysis	6010C		1	215093	11/19/14 21:27	LMH	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF
Total/NA	Analysis	6010C		1	214764	11/17/14 20:53	LMH	TAL BUF
Total/NA	Prep	7470A			214446	11/17/14 13:10	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214718	11/18/14 11:57	LRK	TAL BUF
Total/NA	Prep	9012B			215721	11/24/14 13:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215924	11/25/14 11:00	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 12:05	PGJ	TAL PIT

Client Sample ID: SW-CB-13-1114-F

Lab Sample ID: 480-71360-2

Date Collected: 11/12/14 16:00

Matrix: Water

Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214251	11/15/14 08:01	JLS	TAL BUF
Total/NA	Analysis	8270D		1	217013	12/03/14 23:45	JMM	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF
Total/NA	Analysis	6010C		1	215093	11/19/14 21:41	LMH	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF
Total/NA	Analysis	6010C		1	214764	11/17/14 21:06	LMH	TAL BUF
Total/NA	Prep	7470A			214446	11/17/14 13:10	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214718	11/18/14 11:59	LRK	TAL BUF
Total/NA	Prep	9012B			215721	11/24/14 13:20	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215924	11/25/14 11:01	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 12:15	PGJ	TAL PIT

Client Sample ID: SW-CB-14-1114-U

Lab Sample ID: 480-71360-3

Date Collected: 11/13/14 10:24

Matrix: Water

Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214251	11/15/14 08:01	JLS	TAL BUF
Total/NA	Analysis	8270D		1	217013	12/04/14 00:10	JMM	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF
Total/NA	Analysis	6010C		1	215093	11/19/14 21:44	LMH	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF
Total/NA	Analysis	6010C		1	214764	11/17/14 21:09	LMH	TAL BUF
Total/NA	Prep	7470A			214446	11/17/14 13:10	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214718	11/18/14 11:54	LRK	TAL BUF
Total/NA	Prep	9012B			215728	11/24/14 15:35	EKB	TAL BUF

Client Sample ID: SW-CB-14-1114-U

Lab Sample ID: 480-71360-3

Date Collected: 11/13/14 10:24

Matrix: Water

Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9012B		1	215924	11/25/14 11:14	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 12:18	PGJ	TAL PIT

Client Sample ID: SW-CB-14-1114-F

Lab Sample ID: 480-71360-4

Date Collected: 11/13/14 11:00

Matrix: Water

Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214251	11/15/14 08:01	JLS	TAL BUF
Total/NA	Analysis	8270D		1	217013	12/04/14 00:35	JMM	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF
Total/NA	Analysis	6010C		1	214764	11/17/14 21:20	LMH	TAL BUF
Total/NA	Prep	7470A			214446	11/17/14 13:10	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214718	11/18/14 11:50	LRK	TAL BUF
Total/NA	Prep	9012B			215728	11/24/14 15:35	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215924	11/25/14 11:17	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 12:20	PGJ	TAL PIT

Client Sample ID: SW-CB-17-1114-U

Lab Sample ID: 480-71360-5

Date Collected: 11/13/14 12:25

Matrix: Water

Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214251	11/15/14 08:01	JLS	TAL BUF
Total/NA	Analysis	8270D		1	217013	12/04/14 01:00	JMM	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF
Total/NA	Analysis	6010C		1	214764	11/17/14 21:23	LMH	TAL BUF
Total/NA	Prep	7470A			214108	11/14/14 10:25	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214367	11/14/14 15:07	LRK	TAL BUF
Total/NA	Prep	9012B			215728	11/24/14 15:35	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215924	11/25/14 11:20	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 12:21	PGJ	TAL PIT

Client Sample ID: SW-CB-17-1114-F

Lab Sample ID: 480-71360-6

Date Collected: 11/13/14 12:45

Matrix: Water

Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214251	11/15/14 08:01	JLS	TAL BUF
Total/NA	Analysis	8270D		1	217013	12/04/14 01:25	JMM	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF
Total/NA	Analysis	6010C		1	214764	11/17/14 21:26	LMH	TAL BUF
Total/NA	Prep	7470A			214446	11/17/14 13:10	LRK	TAL BUF

Client Sample ID: SW-CB-17-1114-F

Lab Sample ID: 480-71360-6

Date Collected: 11/13/14 12:45
Matrix: Water
Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7470A		1	214718	11/18/14 11:52	LRK	TAL BUF
Total/NA	Prep	9012B			215728	11/24/14 15:35	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215941	11/25/14 11:53	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 12:23	PGJ	TAL PIT

Client Sample ID: SW-CB-18-1114-U

Lab Sample ID: 480-71360-7

Date Collected: 11/13/14 11:45
Matrix: Water
Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214251	11/15/14 08:01	JLS	TAL BUF
Total/NA	Analysis	8270D		1	217013	12/04/14 01:49	JMM	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF
Total/NA	Analysis	6010C		1	214764	11/17/14 21:28	LMH	TAL BUF
Total/NA	Prep	7470A			214108	11/14/14 10:25	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214367	11/14/14 15:05	LRK	TAL BUF
Total/NA	Prep	9012B			216047	11/26/14 02:10	LAW	TAL BUF
Total/NA	Analysis	9012B		1	216162	11/26/14 10:46	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 12:24	PGJ	TAL PIT

Client Sample ID: SW-CB-18-1114-F

Lab Sample ID: 480-71360-8

Date Collected: 11/13/14 12:10
Matrix: Water
Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214251	11/15/14 08:01	JLS	TAL BUF
Total/NA	Analysis	8270D		1	217013	12/04/14 02:14	JMM	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF
Total/NA	Analysis	6010C		1	214764	11/17/14 21:31	LMH	TAL BUF
Total/NA	Prep	7470A			214108	11/14/14 10:25	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214367	11/14/14 15:12	LRK	TAL BUF
Total/NA	Prep	9012B			215728	11/24/14 15:35	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215941	11/25/14 11:58	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 12:26	PGJ	TAL PIT

Client Sample ID: SW-CB-19-1114-U

Lab Sample ID: 480-71360-9

Date Collected: 11/13/14 11:05
Matrix: Water
Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214251	11/15/14 08:01	JLS	TAL BUF
Total/NA	Analysis	8270D		1	217013	12/04/14 02:39	JMM	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Client Sample ID: SW-CB-19-1114-U

Lab Sample ID: 480-71360-9

Date Collected: 11/13/14 11:05

Matrix: Water

Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	214764	11/17/14 21:34	LMH	TAL BUF
Total/NA	Prep	7470A			214108	11/14/14 10:25	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214367	11/14/14 15:14	LRK	TAL BUF
Total/NA	Prep	9012B			215728	11/24/14 15:35	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215941	11/25/14 11:59	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 12:27	PGJ	TAL PIT

Client Sample ID: SW-CB-19-1114-F

Lab Sample ID: 480-71360-10

Date Collected: 11/13/14 11:00

Matrix: Water

Date Received: 11/13/14 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214251	11/15/14 08:01	JLS	TAL BUF
Total/NA	Analysis	8270D		1	217013	12/04/14 03:03	JMM	TAL BUF
Total/NA	Prep	3005A			214138	11/14/14 12:01	LED	TAL BUF
Total/NA	Analysis	6010C		1	214764	11/17/14 21:36	LMH	TAL BUF
Total/NA	Prep	7470A			214108	11/14/14 10:25	LRK	TAL BUF
Total/NA	Analysis	7470A		1	214367	11/14/14 15:03	LRK	TAL BUF
Total/NA	Prep	9012B			215728	11/24/14 15:35	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215941	11/25/14 12:01	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126440	11/25/14 12:29	PGJ	TAL PIT

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3510C	Water	Acrylamide

Laboratory: TestAmerica Pittsburgh

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-15

Method Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
OIA-1677	Cyanide, Available (Flow Injection)	OI CORP	TAL PIT

Protocol References:

OI CORP = OI Corporation Instrument Manual.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71360-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-71360-1	SW-CB-13-1114-U	Water	11/12/14 15:40	11/13/14 15:50
480-71360-2	SW-CB-13-1114-F	Water	11/12/14 16:00	11/13/14 15:50
480-71360-3	SW-CB-14-1114-U	Water	11/13/14 10:24	11/13/14 15:50
480-71360-4	SW-CB-14-1114-F	Water	11/13/14 11:00	11/13/14 15:50
480-71360-5	SW-CB-17-1114-U	Water	11/13/14 12:25	11/13/14 15:50
480-71360-6	SW-CB-17-1114-F	Water	11/13/14 12:45	11/13/14 15:50
480-71360-7	SW-CB-18-1114-U	Water	11/13/14 11:45	11/13/14 15:50
480-71360-8	SW-CB-18-1114-F	Water	11/13/14 12:10	11/13/14 15:50
480-71360-9	SW-CB-19-1114-U	Water	11/13/14 11:05	11/13/14 15:50
480-71360-10	SW-CB-19-1114-F	Water	11/13/14 11:00	11/13/14 15:50

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

480-71360 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC	Heidi Dudek	11/13/14	278877
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page _____ of _____**
625 Broadway, 12th Floor	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Pickwas	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
~~Albany~~ BCP CN Track down, Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site NO: 915193A, Parcel 4, Lab Call Out			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Acid CN	Total CN	TCL SVOCs+20	Hg, TAL Metals	Special Instructions/ Conditions of Receipt
SW-CB-13-1114-4	11/12/14	15:40		X			X		X		X	X	X	X	X	X	
SW-CB-13-1114-F	11/12/14	16:00		X			X		X		X	Y	X	X	X	X	
SW-CB-14-1114-4	11/13/14	10:24		X			X		X		X	X	X	X	X	X	
SW-CB-14-1114-F	11/13/14	11:00		X			X		X		X	X	X	X	X	X	
SW-CB-17-1114-4	11/13/14	12:25		X			X		X		X	X	X	X	X	X	
SW-CB-17-1114-F	11/13/14	12:45		X			X		X		X	X	X	X	X	X	
SW-CB-18-1114-4	11/13/14	11:45		X			X		X		X	X	X	X	X	X	
SW-CB-18-1114-F	11/13/14	12:10		X			X		X		X	X	X	X	X	X	
SW-CB-19-1114-4	11/13/14	11:05		X			X		X		X	X	X	X	X	X	
SW-CB-19-1114-F	11/13/14	11:00		X			X		X		X	X	X	X	X	X	
~~SW-CB-1114-4~~																	
~~SW-CB-1114-F~~																	

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Amy Pickwas	11/13/14	13:54	1. Received By: Jay Fyler	11/13/14	15:10
2. Relinquished By: Jay Fyler	11/13/14	15:50	2. Received By:	11/13/14	1550
3. Relinquished By:			3. Received By:		

Comments

2 of 4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21471.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-71360-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/25/2014			Preservation Codes:
City: Pittsburgh	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email:	WO #:			Other:
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677	Total Number of containers	Special Instructions/Note:
			Preservation Code						
SW-CB-13-1114-U (480-71360-1)	11/12/14	15:40 Eastern		Water			X	1	
SW-CB-13-1114-F (480-71360-2)	11/12/14	16:00 Eastern		Water			X	1	
SW-CB-14-1114-U (480-71360-3)	11/13/14	10:24 Eastern		Water			X	1	
SW-CB-14-1114-F (480-71360-4)	11/13/14	11:00 Eastern		Water			X	1	
SW-CB-17-1114-U (480-71360-5)	11/13/14	12:25 Eastern		Water			X	1	
SW-CB-17-1114-F (480-71360-6)	11/13/14	12:45 Eastern		Water			X	1	
SW-CB-18-1114-U (480-71360-7)	11/13/14	11:45 Eastern		Water			X	1	
SW-CB-18-1114-F (480-71360-8)	11/13/14	12:10 Eastern		Water			X	1	
SW-CB-19-1114-U (480-71360-9)	11/13/14	11:05 Eastern		Water			X	1	
SW-CB-19-1114-F (480-71360-10)	11/13/14	11:00 Eastern		Water			X	1	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[illegible]	11/14/14 0900	[illegible]	W. Fritz	11-14-14 0908	TAL
W. Fritz	11-14-14 1340	Express	[illegible]	11-14-14 1340	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

12/9/2014

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71360-1

Login Number: 71360

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	DEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71360-1

Login Number: 71360
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 11/14/14 05:20 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-71459-1
Client Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Joseph V. Giacomazza

Authorized for release by:
12/4/2014 9:55:57 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

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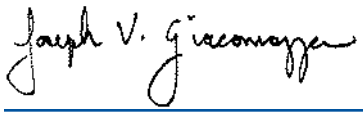
Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
12/4/2014 9:55:57 AM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-71459-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-71459-1

Receipt
The samples were received on 11/14/2014 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

Except:

All of the samples appear to have water in them from the cooler. The samples were shipped from the Buffalo lab to the Pittsburgh lab.

GC/MS Semi VOA
Method(s) 8270D: The following sample were diluted due to the nature of the sample matrix : SS-05-1114 (480-71459-5), SS-06-1114 (480-71459-6), SS-07-1114 (480-71459-7), SS-08-1114 (480-71459-8), SS-09-1114 (480-71459-9), SS-10-1114 (480-71459-10). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: SE-CB12-1114 (480-71459-11), SE-CB13-1114 (480-71459-12), SE-CB14-1114 (480-71459-13), SE-CB19-1114 (480-71459-14), SS-01-1114 (480-71459-1), SS-02-1114 (480-71459-2), SS-03-1114 (480-71459-3), SS-04-1114 (480-71459-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The Low Level Continuing Calibration verification, CCVL 480-215816/34, for analytical batch 215816 contained total iron outside the upper control limit. The associated samples SS-01-1114 (480-71459-1), SS-02-1114 (480-71459-2) contained detects for this analyte at concentrations greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The continuing calibration blank (CCB) for analytical batch 215816 contained total iron above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The continuing calibration blank CCB 480-215816/33 and CCB 480-215816/44 for analytical batch 215816 contained total iron above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The continuing calibration blank CCB 480-215816/44 and CCB 480-215816/51 for analytical batch 215816 contained total iron above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The Low Level Continuing Calibration verification, CCVL 480-215816/34, and CCVL 480-215816/45, for analytical batch 215816 contained total iron outside the upper control limit. The associated samples SS-05-1114 (480-71459-5), SS-06-1114 (480-71459-6), SS-07-1114 (480-71459-7), SS-08-1114 (480-71459-8), SS-09-1114 (480-71459-9), SS-10-1114 (480-71459-10) contained detects for this analyte at concentrations greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The Low Level Continuing Calibration verification, CCVL 480-215816/45, and CCVL 480-215816/52, for analytical batch 215816 contained total iron outside the upper control limit. The associated samples SE-CB12-1114 (480-71459-11), SE-CB13-1114 (480-71459-12), SE-CB14-1114 (480-71459-13), SE-CB19-1114 (480-71459-14) contained detects for this analyte at concentrations greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The following sample was diluted to bring the concentration of the target analytes total iron , and zinc within the calibration range: SS-04-1114 (480-71459-4). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The post digestion spike % recovery for total iron associated with batch 215963 was outside of control limits.

Job ID: 480-71459-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Method(s) 9016: The method blank for batch 460-265585 contained Free Cyanide above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3550C: The following samples: SE-CB12-1114 (480-71459-11), SE-CB13-1114 (480-71459-12), SE-CB14-1114 (480-71459-13), SE-CB19-1114 (480-71459-14) were decanted prior to preparation.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-01-1114
Date Collected: 11/13/14 14:40
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-1
Matrix: Solid
Percent Solids: 78.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1100	290	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
2,4,6-Trichlorophenol	ND		1100	220	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
2,4-Dichlorophenol	ND		1100	120	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
2,4-Dimethylphenol	ND		1100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
2,4-Dinitrophenol	ND		2100	650	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
2,4-Dinitrotoluene	ND		1100	220	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
2,6-Dinitrotoluene	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
2-Chloronaphthalene	ND		1100	180	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
2-Chlorophenol	ND		1100	200	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
2-Methylnaphthalene	ND		1100	220	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
2-Methylphenol	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
2-Nitroaniline	ND		2100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
2-Nitrophenol	ND		1100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
3,3'-Dichlorobenzidine	ND		2100	1300	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
3-Nitroaniline	ND		2100	300	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
4,6-Dinitro-2-methylphenol	ND		2100	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
4-Bromophenyl phenyl ether	ND		1100	150	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
4-Chloro-3-methylphenol	ND		1100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
4-Chloroaniline	ND		1100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
4-Chlorophenyl phenyl ether	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
4-Methylphenol	ND		2100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
4-Nitroaniline	ND		2100	570	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
4-Nitrophenol	ND		2100	760	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Acenaphthene	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Acenaphthylene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Acetophenone	ND		1100	150	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Anthracene	ND		1100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Atrazine	ND		1100	380	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Benzaldehyde	ND		1100	860	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Benzo(a)anthracene	**160**	**J**	1100	110	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Benzo(a)pyrene	**580**	**J**	1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Benzo(b)fluoranthene	**950**	**J**	1100	170	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Benzo(g,h,i)perylene	**150**	**J**	1100	120	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Benzo(k)fluoranthene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Biphenyl	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
bis (2-chloroisopropyl) ether	ND		1100	220	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Bis(2-chloroethoxy)methane	ND		1100	230	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Bis(2-chloroethyl)ether	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Bis(2-ethylhexyl) phthalate	ND		1100	370	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Butyl benzyl phthalate	ND		1100	180	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Caprolactam	ND		1100	330	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Carbazole	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Chrysene	ND		1100	240	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Dibenz(a,h)anthracene	ND		1100	190	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Dibenzofuran	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Diethyl phthalate	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Dimethyl phthalate	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Di-n-butyl phthalate	ND		1100	190	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Di-n-octyl phthalate	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5

Client Sample ID: SS-01-1114
Date Collected: 11/13/14 14:40
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-1
Matrix: Solid
Percent Solids: 78.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**200**	**J**	1100	120	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Fluorene	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Hexachlorobenzene	ND		1100	150	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Hexachlorobutadiene	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Hexachlorocyclopentadiene	ND		1100	150	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Hexachloroethane	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Indeno(1,2,3-cd)pyrene	**970**	**J**	1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Isophorone	ND		1100	230	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Naphthalene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Nitrobenzene	ND		1100	120	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
N-Nitrosodi-n-propylamine	ND		1100	190	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
N-Nitrosodiphenylamine	ND		1100	880	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Pentachlorophenol	ND		2100	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Phenanthrene	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Phenol	ND		1100	170	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5
Pyrene	**180**	**J**	1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 11:50	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3200*	*T J*	*ug/Kg*	☼	*2.29*		*11/19/14 10:58*	*11/20/14 11:50*	*5*
Unknown	*2400*	*T J*	*ug/Kg*	☼	*2.45*		*11/19/14 10:58*	*11/20/14 11:50*	*5*
Methylene Chloride	*950*	*T J N*	*ug/Kg*	☼	*3.26*	*75-09-2*	*11/19/14 10:58*	*11/20/14 11:50*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*39 - 146*	*11/19/14 10:58*	*11/20/14 11:50*	*5*
2-Fluorobiphenyl	*82*		*37 - 120*	*11/19/14 10:58*	*11/20/14 11:50*	*5*
2-Fluorophenol	*74*		*18 - 120*	*11/19/14 10:58*	*11/20/14 11:50*	*5*
Nitrobenzene-d5	*68*		*34 - 132*	*11/19/14 10:58*	*11/20/14 11:50*	*5*
Phenol-d5	*76*		*11 - 120*	*11/19/14 10:58*	*11/20/14 11:50*	*5*
p-Terphenyl-d14	*96*		*65 - 153*	*11/19/14 10:58*	*11/20/14 11:50*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12800**		12.2	5.4	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Antimony	**2.4**	**J**	18.3	0.49	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Arsenic	**10.4**		2.4	0.49	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Barium	**44.2**		0.61	0.13	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Beryllium	**0.48**		0.24	0.034	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Cadmium	**0.45**		0.24	0.037	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Calcium	**4870**	**B**	60.9	4.0	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Chromium	**14.4**		0.61	0.24	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Cobalt	**8.3**		0.61	0.061	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Copper	**28.2**	**B**	1.2	0.26	mg/Kg	☼	11/17/14 16:17	11/25/14 10:58	1
Iron	**26000**	**B ^**	12.2	1.3	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Lead	**47.9**		1.2	0.29	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Magnesium	**3440**		24.3	1.1	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Manganese	**522**	**B**	0.24	0.039	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Nickel	**17.3**		6.1	0.28	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Potassium	**831**		36.5	24.3	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Selenium	**1.3**	**J**	4.9	0.49	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Silver	ND		0.73	0.24	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-01-1114
Date Collected: 11/13/14 14:40
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-1
Matrix: Solid
Percent Solids: 78.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	59.4	J	170	15.8	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Thallium	ND		7.3	0.37	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Vanadium	21.1		0.61	0.13	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1
Zinc	118	B	2.4	0.19	mg/Kg	☼	11/17/14 16:17	11/24/14 22:41	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.045		0.025	0.010	mg/Kg	☼	11/17/14 10:55	11/17/14 14:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	9.4		1.3	0.61	mg/Kg	☼	11/25/14 10:56	11/25/14 14:50	1
Cyanide, Free	0.94	J B	2.7	0.14	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	ND		0.051	0.046	mg/Kg	☼	11/24/14 14:10	11/25/14 15:04	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-02-1114
Date Collected: 11/13/14 14:49
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-2
Matrix: Solid
Percent Solids: 72.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1200	320	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
2,4,6-Trichlorophenol	ND		1200	230	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
2,4-Dichlorophenol	ND		1200	120	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
2,4-Dimethylphenol	ND		1200	280	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
2,4-Dinitrophenol	ND		2300	700	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
2,4-Dinitrotoluene	ND		1200	240	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
2,6-Dinitrotoluene	ND		1200	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
2-Chloronaphthalene	ND		1200	190	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
2-Chlorophenol	ND		1200	210	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
2-Methylnaphthalene	ND		1200	230	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
2-Methylphenol	ND		1200	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
2-Nitroaniline	ND		2300	170	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
2-Nitrophenol	ND		1200	330	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
3,3'-Dichlorobenzidine	ND		2300	1400	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
3-Nitroaniline	ND		2300	320	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
4,6-Dinitro-2-methylphenol	ND		2300	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
4-Bromophenyl phenyl ether	ND		1200	170	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
4-Chloro-3-methylphenol	ND		1200	290	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
4-Chloroaniline	ND		1200	290	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
4-Chlorophenyl phenyl ether	ND		1200	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
4-Methylphenol	ND		2300	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
4-Nitroaniline	ND		2300	610	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
4-Nitrophenol	ND		2300	820	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Acenaphthene	ND		1200	170	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Acenaphthylene	ND		1200	150	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Acetophenone	ND		1200	160	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Anthracene	ND		1200	290	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Atrazine	ND		1200	410	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Benzaldehyde	ND		1200	930	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Benzo(a)anthracene	**300**	**J**	1200	120	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Benzo(a)pyrene	**870**	**J**	1200	170	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Benzo(b)fluoranthene	**1300**		1200	190	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Benzo(g,h,i)perylene	**410**	**J**	1200	120	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Benzo(k)fluoranthene	**260**	**J**	1200	150	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Biphenyl	ND		1200	170	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
bis (2-chloroisopropyl) ether	ND		1200	230	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Bis(2-chloroethoxy)methane	ND		1200	250	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Bis(2-chloroethyl)ether	ND		1200	150	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Bis(2-ethylhexyl) phthalate	ND		1200	400	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Butyl benzyl phthalate	ND		1200	190	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Caprolactam	ND		1200	350	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Carbazole	ND		1200	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Chrysene	**420**	**J**	1200	260	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Dibenz(a,h)anthracene	ND		1200	210	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Dibenzofuran	ND		1200	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Diethyl phthalate	ND		1200	150	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Dimethyl phthalate	ND		1200	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Di-n-butyl phthalate	ND		1200	200	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Di-n-octyl phthalate	ND		1200	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5

Client Sample ID: SS-02-1114
Date Collected: 11/13/14 14:49
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-2
Matrix: Solid
Percent Solids: 72.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**480**	**J**	1200	120	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Fluorene	ND		1200	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Hexachlorobenzene	ND		1200	160	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Hexachlorobutadiene	ND		1200	170	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Hexachlorocyclopentadiene	ND		1200	160	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Hexachloroethane	ND		1200	150	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Indeno(1,2,3-cd)pyrene	**1200**		1200	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Isophorone	ND		1200	250	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Naphthalene	ND		1200	150	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Nitrobenzene	ND		1200	130	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
N-Nitrosodi-n-propylamine	ND		1200	200	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
N-Nitrosodiphenylamine	ND		1200	950	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Pentachlorophenol	ND		2300	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Phenanthrene	**260**	**J**	1200	170	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Phenol	ND		1200	180	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5
Pyrene	**420**	**J**	1200	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:14	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5000*	*T J*	*ug/Kg*	☼	*2.29*		*11/19/14 10:58*	*11/20/14 12:14*	*5*
Unknown	*3300*	*T J*	*ug/Kg*	☼	*2.46*		*11/19/14 10:58*	*11/20/14 12:14*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*39 - 146*	*11/19/14 10:58*	*11/20/14 12:14*	*5*
2-Fluorobiphenyl	*84*		*37 - 120*	*11/19/14 10:58*	*11/20/14 12:14*	*5*
2-Fluorophenol	*72*		*18 - 120*	*11/19/14 10:58*	*11/20/14 12:14*	*5*
Nitrobenzene-d5	*70*		*34 - 132*	*11/19/14 10:58*	*11/20/14 12:14*	*5*
Phenol-d5	*75*		*11 - 120*	*11/19/14 10:58*	*11/20/14 12:14*	*5*
p-Terphenyl-d14	*94*		*65 - 153*	*11/19/14 10:58*	*11/20/14 12:14*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10800**		13.8	6.1	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Antimony	**7.0**	**J**	20.8	0.55	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Arsenic	**14.8**		2.8	0.55	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Barium	**94.5**		0.69	0.15	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Beryllium	**1.7**		0.28	0.039	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Cadmium	**4.2**		0.28	0.042	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Calcium	**45900**	**B**	69.2	4.6	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Chromium	**41.9**		0.69	0.28	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Cobalt	**7.9**		0.69	0.069	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Copper	**121**	**B**	1.4	0.29	mg/Kg	☼	11/17/14 16:17	11/25/14 11:00	1
Iron	**76000**	**B ^**	13.8	1.5	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Lead	**1160**		1.4	0.33	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Magnesium	**7620**		27.7	1.3	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Manganese	**1780**	**B**	0.28	0.044	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Nickel	**45.3**		6.9	0.32	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Potassium	**1300**		41.5	27.7	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Selenium	**1.6**	**J**	5.5	0.55	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Silver	**1.8**		0.83	0.28	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Sodium	**127**	**J**	194	18.0	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-02-1114
Date Collected: 11/13/14 14:49
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-2
Matrix: Solid
Percent Solids: 72.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	1.6	J	8.3	0.42	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Vanadium	36.8		0.69	0.15	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1
Zinc	1470	B	2.8	0.21	mg/Kg	☼	11/17/14 16:17	11/24/14 22:44	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.15		0.026	0.011	mg/Kg	☼	11/17/14 10:55	11/17/14 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	13.2		1.3	0.64	mg/Kg	☼	11/25/14 10:56	11/25/14 14:52	1
Cyanide, Free	0.86	J B	2.9	0.15	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	ND		0.056	0.050	mg/Kg	☼	11/24/14 14:10	11/25/14 15:08	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-03-1114
Date Collected: 11/13/14 14:55
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-3
Matrix: Solid
Percent Solids: 77.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1100	290	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
2,4,6-Trichlorophenol	ND		1100	210	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
2,4-Dichlorophenol	ND		1100	110	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
2,4-Dimethylphenol	ND		1100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
2,4-Dinitrophenol	ND		2100	640	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
2,4-Dinitrotoluene	ND		1100	220	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
2,6-Dinitrotoluene	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
2-Chloronaphthalene	ND		1100	180	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
2-Chlorophenol	ND		1100	190	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
2-Methylnaphthalene	ND		1100	210	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
2-Methylphenol	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
2-Nitroaniline	ND		2100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
2-Nitrophenol	ND		1100	300	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
3,3'-Dichlorobenzidine	ND		2100	1300	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
3-Nitroaniline	ND		2100	290	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
4,6-Dinitro-2-methylphenol	ND		2100	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
4-Bromophenyl phenyl ether	ND		1100	150	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
4-Chloro-3-methylphenol	ND		1100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
4-Chloroaniline	ND		1100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
4-Chlorophenyl phenyl ether	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
4-Methylphenol	ND		2100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
4-Nitroaniline	ND		2100	560	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
4-Nitrophenol	ND		2100	740	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Acenaphthene	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Acenaphthylene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Acetophenone	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Anthracene	ND		1100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Atrazine	ND		1100	370	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Benzaldehyde	ND		1100	840	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Benzo(a)anthracene	**190**	**J**	1100	110	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Benzo(a)pyrene	**820**	**J**	1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Benzo(b)fluoranthene	**1200**		1100	170	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Benzo(g,h,i)perylene	**180**	**J**	1100	110	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Benzo(k)fluoranthene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Biphenyl	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
bis (2-chloroisopropyl) ether	ND		1100	210	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Bis(2-chloroethoxy)methane	ND		1100	230	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Bis(2-chloroethyl)ether	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Bis(2-ethylhexyl) phthalate	ND		1100	360	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Butyl benzyl phthalate	ND		1100	180	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Caprolactam	ND		1100	320	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Carbazole	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Chrysene	**420**	**J**	1100	240	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Dibenz(a,h)anthracene	ND		1100	190	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Dibenzofuran	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Diethyl phthalate	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Dimethyl phthalate	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Di-n-butyl phthalate	ND		1100	180	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Di-n-octyl phthalate	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-03-1114
Date Collected: 11/13/14 14:55
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-3
Matrix: Solid
Percent Solids: 77.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**260**	**J**	1100	110	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Fluorene	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Hexachlorobenzene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Hexachlorobutadiene	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Hexachlorocyclopentadiene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Hexachloroethane	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Indeno(1,2,3-cd)pyrene	**960**	**J**	1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Isophorone	ND		1100	230	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Naphthalene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Nitrobenzene	ND		1100	120	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
N-Nitrosodi-n-propylamine	ND		1100	180	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
N-Nitrosodiphenylamine	ND		1100	860	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Pentachlorophenol	ND		2100	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Phenanthrene	**340**	**J**	1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Phenol	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5
Pyrene	**250**	**J**	1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 12:38	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6600*	*T J*	*ug/Kg*	☼	*2.29*		*11/19/14 10:58*	*11/20/14 12:38*	*5*
Unknown	*3600*	*T J*	*ug/Kg*	☼	*2.45*		*11/19/14 10:58*	*11/20/14 12:38*	*5*
28-Nor-17.alpha.(H)-hopane	*1800*	*T J N*	*ug/Kg*	☼	*15.43*	*53584-60-4*	*11/19/14 10:58*	*11/20/14 12:38*	*5*
Dibenz[a,h]acridine	*360*	*J*	*ug/Kg*	☼	*15.72*	*226-36-8*	*11/19/14 10:58*	*11/20/14 12:38*	*5*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*15.74*		*11/19/14 10:58*	*11/20/14 12:38*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*39 - 146*	*11/19/14 10:58*	*11/20/14 12:38*	*5*
2-Fluorobiphenyl	*84*		*37 - 120*	*11/19/14 10:58*	*11/20/14 12:38*	*5*
2-Fluorophenol	*65*		*18 - 120*	*11/19/14 10:58*	*11/20/14 12:38*	*5*
Nitrobenzene-d5	*70*		*34 - 132*	*11/19/14 10:58*	*11/20/14 12:38*	*5*
Phenol-d5	*70*		*11 - 120*	*11/19/14 10:58*	*11/20/14 12:38*	*5*
p-Terphenyl-d14	*91*		*65 - 153*	*11/19/14 10:58*	*11/20/14 12:38*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7450**		12.9	5.7	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Antimony	**22.7**		19.4	0.52	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Arsenic	**20.6**		2.6	0.52	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Barium	**95.8**		0.65	0.14	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Beryllium	**1.6**		0.26	0.036	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Cadmium	**16.2**		0.26	0.039	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Calcium	**34000**	**B**	64.6	4.3	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Chromium	**126**		0.65	0.26	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Cobalt	**10**		0.65	0.065	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Copper	**360**	**B**	1.3	0.27	mg/Kg	☼	11/17/14 16:17	11/25/14 11:03	1
Iron	**198000**	**B**	129	14.2	mg/Kg	☼	11/17/14 16:17	11/25/14 11:06	10
Lead	**5570**		1.3	0.31	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Magnesium	**6740**		25.8	1.2	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Manganese	**3620**	**B**	0.26	0.041	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Nickel	**88.6**		6.5	0.30	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Potassium	**656**		38.8	25.8	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-03-1114
Date Collected: 11/13/14 14:55
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-3
Matrix: Solid
Percent Solids: 77.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.8		5.2	0.52	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Silver	2.6		0.78	0.26	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Sodium	75.0	J	181	16.8	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Thallium	6.0	J	7.8	0.39	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Vanadium	19.4		0.65	0.14	mg/Kg	☼	11/17/14 16:17	11/24/14 22:47	1
Zinc	5330	B	25.8	2.0	mg/Kg	☼	11/17/14 16:17	11/25/14 11:06	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.29		0.025	0.010	mg/Kg	☼	11/17/14 10:55	11/17/14 14:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	18.6		1.2	0.60	mg/Kg	☼	11/25/14 10:56	11/25/14 14:53	1
Cyanide, Free	1.9	J B	2.8	0.14	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	ND		0.051	0.046	mg/Kg	☼	11/24/14 14:10	11/25/14 15:10	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-04-1114
Date Collected: 11/13/14 15:03
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-4
Matrix: Solid
Percent Solids: 82.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1000	280	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
2,4,6-Trichlorophenol	ND		1000	200	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
2,4-Dichlorophenol	ND		1000	110	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
2,4-Dimethylphenol	ND		1000	250	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
2,4-Dinitrophenol	ND		2000	610	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
2,4-Dinitrotoluene	ND		1000	210	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
2,6-Dinitrotoluene	ND		1000	120	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
2-Chloronaphthalene	ND		1000	170	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
2-Chlorophenol	ND		1000	190	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
2-Methylnaphthalene	ND		1000	200	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
2-Methylphenol	ND		1000	120	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
2-Nitroaniline	ND		2000	150	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
2-Nitrophenol	ND		1000	290	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
3,3'-Dichlorobenzidine	ND		2000	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
3-Nitroaniline	ND		2000	280	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
4,6-Dinitro-2-methylphenol	ND		2000	1000	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
4-Bromophenyl phenyl ether	ND		1000	140	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
4-Chloro-3-methylphenol	ND		1000	250	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
4-Chloroaniline	ND		1000	250	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
4-Chlorophenyl phenyl ether	ND		1000	130	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
4-Methylphenol	ND		2000	120	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
4-Nitroaniline	ND		2000	540	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
4-Nitrophenol	ND		2000	720	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Acenaphthene	ND		1000	150	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Acenaphthylene	ND		1000	130	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Acetophenone	ND		1000	140	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Anthracene	ND		1000	250	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Atrazine	ND		1000	350	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Benzaldehyde	ND		1000	810	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Benzo(a)anthracene	**260**	**J**	1000	100	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Benzo(a)pyrene	**580**	**J**	1000	150	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Benzo(b)fluoranthene	**1100**		1000	160	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Benzo(g,h,i)perylene	**290**	**J**	1000	110	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Benzo(k)fluoranthene	**230**	**J**	1000	130	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Biphenyl	ND		1000	150	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
bis (2-chloroisopropyl) ether	ND		1000	200	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Bis(2-chloroethoxy)methane	ND		1000	220	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Bis(2-chloroethyl)ether	ND		1000	130	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Bis(2-ethylhexyl) phthalate	ND		1000	350	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Butyl benzyl phthalate	ND		1000	170	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Caprolactam	ND		1000	310	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Carbazole	ND		1000	120	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Chrysene	**480**	**J**	1000	230	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Dibenz(a,h)anthracene	ND		1000	180	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Dibenzofuran	ND		1000	120	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Diethyl phthalate	ND		1000	130	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Dimethyl phthalate	ND		1000	120	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Di-n-butyl phthalate	ND		1000	170	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Di-n-octyl phthalate	ND		1000	120	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5

Client Sample ID: SS-04-1114
Date Collected: 11/13/14 15:03
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-4
Matrix: Solid
Percent Solids: 82.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**400**	**J**	1000	110	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Fluorene	ND		1000	120	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Hexachlorobenzene	ND		1000	140	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Hexachlorobutadiene	ND		1000	150	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Hexachlorocyclopentadiene	ND		1000	140	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Hexachloroethane	ND		1000	130	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Indeno(1,2,3-cd)pyrene	**1000**		1000	130	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Isophorone	ND		1000	220	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Naphthalene	ND		1000	130	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Nitrobenzene	ND		1000	110	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
N-Nitrosodi-n-propylamine	ND		1000	170	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
N-Nitrosodiphenylamine	ND		1000	830	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Pentachlorophenol	ND		2000	1000	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Phenanthrene	**240**	**J**	1000	150	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Phenol	ND		1000	160	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5
Pyrene	**340**	**J**	1000	120	ug/Kg	☼	11/19/14 10:58	11/20/14 13:02	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4200*	*T J*	*ug/Kg*	☼	*2.29*		*11/19/14 10:58*	*11/20/14 13:02*	*5*
Unknown	*2900*	*T J*	*ug/Kg*	☼	*2.46*		*11/19/14 10:58*	*11/20/14 13:02*	*5*
Dibenz[a,h]acridine	*360*	*J*	*ug/Kg*	☼	*15.71*	*226-36-8*	*11/19/14 10:58*	*11/20/14 13:02*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*49*		*39 - 146*	*11/19/14 10:58*	*11/20/14 13:02*	*5*
2-Fluorobiphenyl	*84*		*37 - 120*	*11/19/14 10:58*	*11/20/14 13:02*	*5*
2-Fluorophenol	*61*		*18 - 120*	*11/19/14 10:58*	*11/20/14 13:02*	*5*
Nitrobenzene-d5	*67*		*34 - 132*	*11/19/14 10:58*	*11/20/14 13:02*	*5*
Phenol-d5	*69*		*11 - 120*	*11/19/14 10:58*	*11/20/14 13:02*	*5*
p-Terphenyl-d14	*90*		*65 - 153*	*11/19/14 10:58*	*11/20/14 13:02*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8540**		12.0	5.3	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Antimony	**11.0**	**J**	18.0	0.48	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Arsenic	**14.8**		2.4	0.48	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Barium	**112**		0.60	0.13	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Beryllium	**1.9**		0.24	0.034	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Cadmium	**9.3**		0.24	0.036	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Calcium	**35100**	**B**	60.0	4.0	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Chromium	**75.4**		0.60	0.24	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Cobalt	**6.1**		0.60	0.060	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Copper	**128**	**B**	1.2	0.25	mg/Kg	☼	11/17/14 16:17	11/25/14 11:09	1
Iron	**109000**	**B**	60.0	6.6	mg/Kg	☼	11/17/14 16:17	11/25/14 11:31	5
Lead	**2400**		1.2	0.29	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Magnesium	**9360**		24.0	1.1	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Manganese	**2550**	**B**	0.24	0.038	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Nickel	**58.7**		6.0	0.28	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Potassium	**1780**		36.0	24.0	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Selenium	**3.7**	**J**	4.8	0.48	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Silver	**3.6**		0.72	0.24	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-04-1114
Date Collected: 11/13/14 15:03
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-4
Matrix: Solid
Percent Solids: 82.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	296		168	15.6	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Thallium	4.7	J	7.2	0.36	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Vanadium	20.1		0.60	0.13	mg/Kg	☼	11/17/14 16:17	11/24/14 22:49	1
Zinc	2540	B	12.0	0.92	mg/Kg	☼	11/17/14 16:17	11/25/14 11:31	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.065		0.023	0.0093	mg/Kg	☼	11/17/14 10:55	11/17/14 14:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	35.6		1.2	0.57	mg/Kg	☼	11/25/14 10:56	11/25/14 14:54	1
Cyanide, Free	0.87	J B	2.5	0.12	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	ND		0.048	0.044	mg/Kg	☼	11/24/14 14:10	11/25/14 15:11	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-05-1114
Date Collected: 11/13/14 15:13
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-5
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2000	540	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
2,4-Dimethylphenol	ND		2000	490	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
2,4-Dinitrophenol	ND		3900	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
2,6-Dinitrotoluene	ND		2000	240	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
2-Chlorophenol	ND		2000	370	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
2-Methylphenol	ND		2000	240	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
2-Nitroaniline	ND		3900	300	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
2-Nitrophenol	ND		2000	570	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
3,3'-Dichlorobenzidine	ND		3900	2400	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
3-Nitroaniline	ND		3900	560	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
4,6-Dinitro-2-methylphenol	ND		3900	2000	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
4-Chloro-3-methylphenol	ND		2000	500	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
4-Chloroaniline	ND		2000	500	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
4-Chlorophenyl phenyl ether	ND		2000	250	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
4-Methylphenol	ND		3900	240	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
4-Nitroaniline	ND		3900	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
4-Nitrophenol	ND		3900	1400	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Acenaphthene	**370**	**J**	2000	300	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Acenaphthylene	ND		2000	260	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Acetophenone	ND		2000	270	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Anthracene	**1100**	**J**	2000	500	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Atrazine	ND		2000	700	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Benzo(a)anthracene	**3500**		2000	200	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Benzo(a)pyrene	**3800**		2000	300	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Benzo(b)fluoranthene	**5200**		2000	320	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Benzo(g,h,i)perylene	**2100**		2000	210	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Benzo(k)fluoranthene	**1600**	**J**	2000	260	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Biphenyl	ND		2000	300	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Bis(2-chloroethoxy)methane	ND		2000	430	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Bis(2-ethylhexyl) phthalate	ND		2000	690	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Caprolactam	ND		2000	600	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Carbazole	**430**	**J**	2000	240	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Chrysene	**3400**		2000	450	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Dibenz(a,h)anthracene	ND		2000	360	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Dibenzofuran	ND		2000	240	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Diethyl phthalate	ND		2000	260	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Dimethyl phthalate	ND		2000	240	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Di-n-octyl phthalate	ND		2000	240	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-05-1114
Date Collected: 11/13/14 15:13
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-5
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**6800**		2000	210	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Fluorene	**390**	**J**	2000	240	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Hexachlorobenzene	ND		2000	270	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Hexachlorobutadiene	ND		2000	300	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Hexachloroethane	ND		2000	260	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Indeno(1,2,3-cd)pyrene	**3200**		2000	250	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Isophorone	ND		2000	430	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Naphthalene	ND		2000	260	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Pentachlorophenol	ND		3900	2000	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Phenanthrene	**4200**		2000	300	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Phenol	ND		2000	310	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10
Pyrene	**5500**		2000	240	ug/Kg	☼	11/19/14 10:58	11/20/14 13:26	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5900*	*T J*	*ug/Kg*	☼	*2.29*		*11/19/14 10:58*	*11/20/14 13:26*	*10*
Benzo[e]pyrene	*1900*	*T J N*	*ug/Kg*	☼	*14.80*	*192-97-2*	*11/19/14 10:58*	*11/20/14 13:26*	*10*
Dibenz[a,h]acridine	*770*	*J*	*ug/Kg*	☼	*15.71*	*226-36-8*	*11/19/14 10:58*	*11/20/14 13:26*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*39 - 146*	*11/19/14 10:58*	*11/20/14 13:26*	*10*
2-Fluorobiphenyl	*99*		*37 - 120*	*11/19/14 10:58*	*11/20/14 13:26*	*10*
2-Fluorophenol	*87*		*18 - 120*	*11/19/14 10:58*	*11/20/14 13:26*	*10*
Nitrobenzene-d5	*81*		*34 - 132*	*11/19/14 10:58*	*11/20/14 13:26*	*10*
Phenol-d5	*90*		*11 - 120*	*11/19/14 10:58*	*11/20/14 13:26*	*10*
p-Terphenyl-d14	*104*		*65 - 153*	*11/19/14 10:58*	*11/20/14 13:26*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8090**		11.7	5.2	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Antimony	**3.0**	**J**	17.6	0.47	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Arsenic	**9.4**		2.3	0.47	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Barium	**179**		0.59	0.13	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Beryllium	**0.66**		0.23	0.033	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Cadmium	**1.4**		0.23	0.035	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Calcium	**61500**	**B**	58.5	3.9	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Chromium	**21.6**		0.59	0.23	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Cobalt	**6.8**		0.59	0.059	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Copper	**80.9**	**B**	1.2	0.25	mg/Kg	☼	11/17/14 16:17	11/25/14 11:44	1
Iron	**35300**	**B ^**	11.7	1.3	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Lead	**310**		1.2	0.28	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Magnesium	**16200**		23.4	1.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Manganese	**929**	**B**	0.23	0.037	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Nickel	**23.9**		5.9	0.27	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Potassium	**1330**		35.1	23.4	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Selenium	**0.52**	**J**	4.7	0.47	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Silver	ND		0.70	0.23	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-05-1114
Date Collected: 11/13/14 15:13
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-5
Matrix: Solid
Percent Solids: 84.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	167		164	15.2	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Thallium	ND		7.0	0.35	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Vanadium	17.4		0.59	0.13	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1
Zinc	455	B	2.3	0.18	mg/Kg	☼	11/17/14 16:17	11/24/14 23:11	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.15		0.023	0.0095	mg/Kg	☼	11/17/14 10:55	11/17/14 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.5		1.2	0.57	mg/Kg	☼	11/25/14 10:56	11/25/14 14:57	1
Cyanide, Free	1.0	J B	2.6	0.13	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	0.043	J	0.047	0.043	mg/Kg	☼	11/24/14 14:10	11/25/14 15:13	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-06-1114
Date Collected: 11/13/14 15:51
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-6
Matrix: Solid
Percent Solids: 84.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		3900	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
2,4,6-Trichlorophenol	ND		3900	790	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
2,4-Dichlorophenol	ND		3900	420	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
2,4-Dimethylphenol	ND		3900	950	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
2,4-Dinitrophenol	ND		7600	2400	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
2,4-Dinitrotoluene	ND		3900	810	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
2,6-Dinitrotoluene	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
2-Chloronaphthalene	ND		3900	650	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
2-Chlorophenol	ND		3900	720	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
2-Methylnaphthalene	ND		3900	790	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
2-Methylphenol	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
2-Nitroaniline	ND		7600	580	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
2-Nitrophenol	ND		3900	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
3,3'-Dichlorobenzidine	ND		7600	4600	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
3-Nitroaniline	ND		7600	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
4,6-Dinitro-2-methylphenol	ND		7600	3900	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
4-Bromophenyl phenyl ether	ND		3900	560	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
4-Chloro-3-methylphenol	ND		3900	970	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
4-Chloroaniline	ND		3900	970	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
4-Chlorophenyl phenyl ether	ND		3900	490	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
4-Methylphenol	ND		7600	460	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
4-Nitroaniline	ND		7600	2100	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
4-Nitrophenol	ND		7600	2800	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Acenaphthene	ND		3900	580	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Acenaphthylene	**750**	**J**	3900	510	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Acetophenone	ND		3900	530	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Anthracene	ND		3900	970	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Atrazine	ND		3900	1400	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Benzaldehyde	ND		3900	3100	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Benzo(a)anthracene	**3300**	**J**	3900	390	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Benzo(a)pyrene	**4800**		3900	580	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Benzo(b)fluoranthene	**6900**		3900	630	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Benzo(g,h,i)perylene	**2200**	**J**	3900	420	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Benzo(k)fluoranthene	**1300**	**J**	3900	510	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Biphenyl	ND		3900	580	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
bis (2-chloroisopropyl) ether	ND		3900	790	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Bis(2-chloroethoxy)methane	ND		3900	830	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Bis(2-chloroethyl)ether	ND		3900	510	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Bis(2-ethylhexyl) phthalate	ND		3900	1300	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Butyl benzyl phthalate	ND		3900	650	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Caprolactam	ND		3900	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Carbazole	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Chrysene	**3300**	**J**	3900	880	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Dibenz(a,h)anthracene	ND		3900	700	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Dibenzofuran	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Diethyl phthalate	ND		3900	510	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Dimethyl phthalate	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Di-n-butyl phthalate	ND		3900	670	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Di-n-octyl phthalate	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20

Client Sample ID: SS-06-1114
Date Collected: 11/13/14 15:51
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-6
Matrix: Solid
Percent Solids: 84.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**7100**		3900	420	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Fluorene	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Hexachlorobenzene	ND		3900	530	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Hexachlorobutadiene	ND		3900	580	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Hexachlorocyclopentadiene	ND		3900	530	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Hexachloroethane	ND		3900	510	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Indeno(1,2,3-cd)pyrene	**4900**		3900	490	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Isophorone	ND		3900	830	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Naphthalene	ND		3900	510	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Nitrobenzene	ND		3900	440	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
N-Nitrosodi-n-propylamine	ND		3900	670	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
N-Nitrosodiphenylamine	ND		3900	3200	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Pentachlorophenol	ND		7600	3900	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Phenanthrene	**3300**	**J**	3900	580	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Phenol	ND		3900	600	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20
Pyrene	**5500**		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 13:50	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*7100*	*T J*	*ug/Kg*	☼	*2.29*		*11/19/14 10:58*	*11/20/14 13:50*	*20*
Unknown	*7000*	*T J*	*ug/Kg*	☼	*2.45*		*11/19/14 10:58*	*11/20/14 13:50*	*20*
Dibenz[a,h]acridine	*1400*	*J*	*ug/Kg*	☼	*15.71*	*226-36-8*	*11/19/14 10:58*	*11/20/14 13:50*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*39 - 146*	*11/19/14 10:58*	*11/20/14 13:50*	*20*
2-Fluorobiphenyl	*92*		*37 - 120*	*11/19/14 10:58*	*11/20/14 13:50*	*20*
2-Fluorophenol	*83*		*18 - 120*	*11/19/14 10:58*	*11/20/14 13:50*	*20*
Nitrobenzene-d5	*75*		*34 - 132*	*11/19/14 10:58*	*11/20/14 13:50*	*20*
Phenol-d5	*86*		*11 - 120*	*11/19/14 10:58*	*11/20/14 13:50*	*20*
p-Terphenyl-d14	*102*		*65 - 153*	*11/19/14 10:58*	*11/20/14 13:50*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10200**		11.3	5.0	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Antimony	**2.3**	**J**	17.0	0.45	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Arsenic	**8.4**		2.3	0.45	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Barium	**100**		0.57	0.12	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Beryllium	**0.57**		0.23	0.032	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Cadmium	**0.83**		0.23	0.034	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Calcium	**26700**	**B**	56.6	3.7	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Chromium	**22.2**		0.57	0.23	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Cobalt	**9.0**		0.57	0.057	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Copper	**37.7**	**B**	1.1	0.24	mg/Kg	☼	11/17/14 16:17	11/25/14 12:01	1
Iron	**22200**	**B ^**	11.3	1.2	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Lead	**102**		1.1	0.27	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Magnesium	**8580**		22.6	1.0	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Manganese	**603**	**B**	0.23	0.036	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Nickel	**27.8**		5.7	0.26	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Potassium	**1050**		34.0	22.6	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Selenium	**0.98**	**J**	4.5	0.45	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Silver	ND		0.68	0.23	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-06-1114
Date Collected: 11/13/14 15:51
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-6
Matrix: Solid
Percent Solids: 84.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	153	J	159	14.7	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Thallium	ND		6.8	0.34	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Vanadium	17.9		0.57	0.12	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1
Zinc	165	B	2.3	0.17	mg/Kg	☼	11/17/14 16:17	11/24/14 23:14	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.044		0.024	0.0098	mg/Kg	☼	11/17/14 10:55	11/17/14 14:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	J	1.2	0.57	mg/Kg	☼	11/25/14 10:56	11/25/14 15:02	1
Cyanide, Free	1.6	J B	2.5	0.13	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	ND		0.047	0.042	mg/Kg	☼	11/24/14 14:10	11/25/14 15:14	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-07-1114
Date Collected: 11/13/14 15:22
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-7
Matrix: Solid
Percent Solids: 78.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2100	570	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
2,4,6-Trichlorophenol	ND		2100	420	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
2,4-Dimethylphenol	ND		2100	510	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
2,4-Dinitrophenol	ND		4100	1300	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
2,4-Dinitrotoluene	ND		2100	440	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
2,6-Dinitrotoluene	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
2-Chloronaphthalene	ND		2100	350	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
2-Chlorophenol	ND		2100	390	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
2-Methylnaphthalene	ND		2100	420	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
2-Methylphenol	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
2-Nitroaniline	ND		4100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
2-Nitrophenol	ND		2100	600	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
3,3'-Dichlorobenzidine	ND		4100	2500	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
3-Nitroaniline	ND		4100	590	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
4,6-Dinitro-2-methylphenol	ND		4100	2100	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
4-Bromophenyl phenyl ether	ND		2100	300	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
4-Chloro-3-methylphenol	ND		2100	520	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
4-Chloroaniline	ND		2100	520	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
4-Methylphenol	ND		4100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
4-Nitroaniline	ND		4100	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
4-Nitrophenol	ND		4100	1500	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Acenaphthene	ND		2100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Acenaphthylene	ND		2100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Acetophenone	ND		2100	290	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Anthracene	ND		2100	520	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Atrazine	ND		2100	740	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Benzaldehyde	ND		2100	1700	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Benzo(a)anthracene	**490**	**J**	2100	210	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Benzo(a)pyrene	**1300**	**J**	2100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Benzo(b)fluoranthene	**2100**		2100	340	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Benzo(g,h,i)perylene	**370**	**J**	2100	220	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Benzo(k)fluoranthene	ND		2100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Biphenyl	ND		2100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
bis (2-chloroisopropyl) ether	ND		2100	420	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Bis(2-chloroethoxy)methane	ND		2100	450	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Bis(2-ethylhexyl) phthalate	ND		2100	720	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Butyl benzyl phthalate	ND		2100	350	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Caprolactam	ND		2100	640	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Carbazole	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Chrysene	**610**	**J**	2100	470	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Dibenz(a,h)anthracene	ND		2100	370	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Dibenzofuran	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Diethyl phthalate	ND		2100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Dimethyl phthalate	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Di-n-butyl phthalate	ND		2100	360	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Di-n-octyl phthalate	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10

Client Sample ID: SS-07-1114
Date Collected: 11/13/14 15:22
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-7
Matrix: Solid
Percent Solids: 78.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**780**	**J**	2100	220	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Fluorene	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Hexachlorobenzene	ND		2100	290	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Hexachlorocyclopentadiene	ND		2100	290	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Hexachloroethane	ND		2100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Indeno(1,2,3-cd)pyrene	**1900**	**J**	2100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Isophorone	ND		2100	450	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Naphthalene	ND		2100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Nitrobenzene	ND		2100	240	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
N-Nitrosodi-n-propylamine	ND		2100	360	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Pentachlorophenol	ND		4100	2100	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Phenanthrene	**400**	**J**	2100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Phenol	ND		2100	320	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10
Pyrene	**660**	**J**	2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:13	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*7400*	*T J*	*ug/Kg*	☼	*2.28*		*11/19/14 10:58*	*11/20/14 14:13*	*10*
Unknown	*4300*	*T J*	*ug/Kg*	☼	*2.45*		*11/19/14 10:58*	*11/20/14 14:13*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*39 - 146*	*11/19/14 10:58*	*11/20/14 14:13*	*10*
2-Fluorobiphenyl	*87*		*37 - 120*	*11/19/14 10:58*	*11/20/14 14:13*	*10*
2-Fluorophenol	*73*		*18 - 120*	*11/19/14 10:58*	*11/20/14 14:13*	*10*
Nitrobenzene-d5	*72*		*34 - 132*	*11/19/14 10:58*	*11/20/14 14:13*	*10*
Phenol-d5	*75*		*11 - 120*	*11/19/14 10:58*	*11/20/14 14:13*	*10*
p-Terphenyl-d14	*94*		*65 - 153*	*11/19/14 10:58*	*11/20/14 14:13*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14500**		11.9	5.2	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Antimony	**7.1**	**J**	17.8	0.47	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Arsenic	**14.6**		2.4	0.47	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Barium	**124**		0.59	0.13	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Beryllium	**1.5**		0.24	0.033	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Cadmium	**6.7**		0.24	0.036	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Calcium	**45700**	**B**	59.3	3.9	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Chromium	**47.4**		0.59	0.24	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Cobalt	**10.2**		0.59	0.059	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Copper	**147**	**B**	1.2	0.25	mg/Kg	☼	11/17/14 16:17	11/25/14 12:03	1
Iron	**78900**	**B ^**	11.9	1.3	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Lead	**1970**		1.2	0.28	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Magnesium	**10100**		23.7	1.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Manganese	**2180**	**B**	0.24	0.038	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Nickel	**41.8**		5.9	0.27	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Potassium	**2050**		35.6	23.7	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Selenium	**4.4**	**J**	4.7	0.47	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Silver	**2.8**		0.71	0.24	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Sodium	**123**	**J**	166	15.4	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-07-1114
Date Collected: 11/13/14 15:22
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-7
Matrix: Solid
Percent Solids: 78.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	5.3	J	7.1	0.36	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Vanadium	25.3		0.59	0.13	mg/Kg	☼	11/17/14 16:17	11/24/14 23:16	1
Zinc	2930	B	11.9	0.91	mg/Kg	☼	11/17/14 16:17	11/25/14 12:06	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.19		0.024	0.0097	mg/Kg	☼	11/17/14 10:55	11/17/14 14:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	14.4		1.2	0.60	mg/Kg	☼	11/25/14 10:56	11/25/14 15:03	1
Cyanide, Free	0.79	J B	2.7	0.13	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	ND		0.051	0.046	mg/Kg	☼	11/24/14 14:10	11/25/14 15:16	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-08-1114
Date Collected: 11/13/14 15:42
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-8
Matrix: Solid
Percent Solids: 86.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1900	520	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
2,4,6-Trichlorophenol	ND		1900	390	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
2,4-Dichlorophenol	ND		1900	210	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
2,4-Dimethylphenol	ND		1900	470	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
2,4-Dinitrophenol	ND		3800	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
2,4-Dinitrotoluene	ND		1900	400	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
2,6-Dinitrotoluene	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
2-Chloronaphthalene	ND		1900	320	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
2-Chlorophenol	ND		1900	350	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
2-Methylnaphthalene	ND		1900	390	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
2-Methylphenol	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
2-Nitroaniline	ND		3800	290	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
2-Nitrophenol	ND		1900	550	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
3,3'-Dichlorobenzidine	ND		3800	2300	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
3-Nitroaniline	ND		3800	540	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
4,6-Dinitro-2-methylphenol	ND		3800	1900	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
4-Bromophenyl phenyl ether	ND		1900	270	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
4-Chloro-3-methylphenol	ND		1900	480	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
4-Chloroaniline	ND		1900	480	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
4-Chlorophenyl phenyl ether	ND		1900	240	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
4-Methylphenol	ND		3800	230	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
4-Nitroaniline	ND		3800	1000	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
4-Nitrophenol	ND		3800	1400	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Acenaphthene	ND		1900	290	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Acenaphthylene	ND		1900	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Acetophenone	ND		1900	260	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Anthracene	ND		1900	480	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Atrazine	ND		1900	670	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Benzaldehyde	ND		1900	1500	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Benzo(a)anthracene	**310**	**J**	1900	190	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Benzo(a)pyrene	**1000**	**J**	1900	290	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Benzo(b)fluoranthene	**1600**	**J**	1900	310	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Benzo(g,h,i)perylene	ND		1900	210	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Benzo(k)fluoranthene	ND		1900	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Biphenyl	ND		1900	290	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
bis (2-chloroisopropyl) ether	ND		1900	390	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Bis(2-chloroethoxy)methane	ND		1900	410	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Bis(2-chloroethyl)ether	ND		1900	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Bis(2-ethylhexyl) phthalate	ND		1900	660	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Butyl benzyl phthalate	ND		1900	320	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Caprolactam	ND		1900	580	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Carbazole	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Chrysene	ND		1900	430	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Dibenz(a,h)anthracene	ND		1900	340	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Dibenzofuran	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Diethyl phthalate	ND		1900	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Dimethyl phthalate	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Di-n-butyl phthalate	ND		1900	330	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Di-n-octyl phthalate	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10

Client Sample ID: SS-08-1114
Date Collected: 11/13/14 15:42
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-8
Matrix: Solid
Percent Solids: 86.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**510**	**J**	1900	210	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Fluorene	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Hexachlorobenzene	ND		1900	260	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Hexachlorobutadiene	ND		1900	290	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Hexachlorocyclopentadiene	ND		1900	260	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Hexachloroethane	ND		1900	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Indeno(1,2,3-cd)pyrene	**1700**	**J**	1900	240	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Isophorone	ND		1900	410	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Naphthalene	ND		1900	250	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Nitrobenzene	ND		1900	220	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
N-Nitrosodi-n-propylamine	ND		1900	330	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
N-Nitrosodiphenylamine	ND		1900	1600	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Pentachlorophenol	ND		3800	1900	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Phenanthrene	ND		1900	290	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Phenol	ND		1900	300	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10
Pyrene	**420**	**J**	1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 14:37	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6700*	*T J*	*ug/Kg*	☼	*2.29*		*11/19/14 10:58*	*11/20/14 14:37*	*10*
Unknown	*3700*	*T J*	*ug/Kg*	☼	*2.45*		*11/19/14 10:58*	*11/20/14 14:37*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*39 - 146*	*11/19/14 10:58*	*11/20/14 14:37*	*10*
2-Fluorobiphenyl	*89*		*37 - 120*	*11/19/14 10:58*	*11/20/14 14:37*	*10*
2-Fluorophenol	*80*		*18 - 120*	*11/19/14 10:58*	*11/20/14 14:37*	*10*
Nitrobenzene-d5	*72*		*34 - 132*	*11/19/14 10:58*	*11/20/14 14:37*	*10*
Phenol-d5	*79*		*11 - 120*	*11/19/14 10:58*	*11/20/14 14:37*	*10*
p-Terphenyl-d14	*97*		*65 - 153*	*11/19/14 10:58*	*11/20/14 14:37*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11400**		12.2	5.4	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Antimony	**2.6**	**J**	18.3	0.49	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Arsenic	**7.8**		2.4	0.49	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Barium	**78.6**		0.61	0.13	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Beryllium	**0.70**		0.24	0.034	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Cadmium	**1.5**		0.24	0.037	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Calcium	**56100**	**B**	60.9	4.0	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Chromium	**24.8**		0.61	0.24	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Cobalt	**10.3**		0.61	0.061	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Copper	**43.4**	**B**	1.2	0.26	mg/Kg	☼	11/17/14 16:17	11/25/14 12:09	1
Iron	**34200**	**B ^**	12.2	1.3	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Lead	**356**		1.2	0.29	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Magnesium	**12500**		24.4	1.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Manganese	**795**	**B**	0.24	0.039	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Nickel	**32.1**		6.1	0.28	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Potassium	**1710**		36.5	24.4	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Selenium	**0.92**	**J**	4.9	0.49	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Silver	ND		0.73	0.24	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Sodium	**137**	**J**	170	15.8	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-08-1114
Date Collected: 11/13/14 15:42
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-8
Matrix: Solid
Percent Solids: 86.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		7.3	0.37	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Vanadium	**22.8**		0.61	0.13	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1
Zinc	**577**	**B**	2.4	0.19	mg/Kg	☼	11/17/14 16:17	11/24/14 23:19	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.10**		0.023	0.0092	mg/Kg	☼	11/17/14 10:55	11/17/14 14:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**4.1**		1.1	0.55	mg/Kg	☼	11/25/14 10:56	11/25/14 15:06	1
Cyanide, Free	**1.2**	**J B**	2.4	0.12	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	ND		0.046	0.042	mg/Kg	☼	11/24/14 14:10	11/25/14 15:17	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-09-1114
Date Collected: 11/13/14 15:32
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-9
Matrix: Solid
Percent Solids: 85.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		3900	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
2,4,6-Trichlorophenol	ND		3900	790	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
2,4-Dichlorophenol	ND		3900	420	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
2,4-Dimethylphenol	ND		3900	950	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
2,4-Dinitrophenol	ND		7700	2400	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
2,4-Dinitrotoluene	ND		3900	810	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
2,6-Dinitrotoluene	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
2-Chloronaphthalene	ND		3900	650	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
2-Chlorophenol	ND		3900	720	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
2-Methylnaphthalene	ND		3900	790	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
2-Methylphenol	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
2-Nitroaniline	ND		7700	580	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
2-Nitrophenol	ND		3900	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
3,3'-Dichlorobenzidine	ND		7700	4600	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
3-Nitroaniline	ND		7700	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
4,6-Dinitro-2-methylphenol	ND		7700	3900	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
4-Bromophenyl phenyl ether	ND		3900	560	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
4-Chloro-3-methylphenol	ND		3900	970	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
4-Chloroaniline	ND		3900	970	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
4-Chlorophenyl phenyl ether	ND		3900	490	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
4-Methylphenol	ND		7700	460	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
4-Nitroaniline	ND		7700	2100	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
4-Nitrophenol	ND		7700	2800	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Acenaphthene	ND		3900	580	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Acenaphthylene	ND		3900	510	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Acetophenone	ND		3900	530	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Anthracene	ND		3900	970	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Atrazine	ND		3900	1400	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Benzaldehyde	ND		3900	3100	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Benzo(a)anthracene	**670**	**J**	3900	390	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Benzo(a)pyrene	**2300**	**J**	3900	580	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Benzo(b)fluoranthene	**3400**	**J**	3900	630	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Benzo(g,h,i)perylene	**470**	**J**	3900	420	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Benzo(k)fluoranthene	ND		3900	510	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Biphenyl	ND		3900	580	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
bis (2-chloroisopropyl) ether	ND		3900	790	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Bis(2-chloroethoxy)methane	ND		3900	840	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Bis(2-chloroethyl)ether	ND		3900	510	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Bis(2-ethylhexyl) phthalate	ND		3900	1300	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Butyl benzyl phthalate	ND		3900	650	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Caprolactam	ND		3900	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Carbazole	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Chrysene	ND		3900	880	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Dibenz(a,h)anthracene	ND		3900	700	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Dibenzofuran	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Diethyl phthalate	ND		3900	510	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Dimethyl phthalate	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Di-n-butyl phthalate	ND		3900	670	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Di-n-octyl phthalate	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20

Client Sample ID: SS-09-1114
Date Collected: 11/13/14 15:32
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-9
Matrix: Solid
Percent Solids: 85.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1000**	**J**	3900	420	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Fluorene	ND		3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Hexachlorobenzene	ND		3900	530	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Hexachlorobutadiene	ND		3900	580	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Hexachlorocyclopentadiene	ND		3900	530	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Hexachloroethane	ND		3900	510	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Indeno(1,2,3-cd)pyrene	**3500**	**J**	3900	490	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Isophorone	ND		3900	840	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Naphthalene	ND		3900	510	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Nitrobenzene	ND		3900	440	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
N-Nitrosodi-n-propylamine	ND		3900	670	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
N-Nitrosodiphenylamine	ND		3900	3200	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Pentachlorophenol	ND		7700	3900	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Phenanthrene	**660**	**J**	3900	580	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Phenol	ND		3900	600	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20
Pyrene	**890**	**J**	3900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 15:01	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*7000*	*T J*	*ug/Kg*	☼	*2.29*		*11/19/14 10:58*	*11/20/14 15:01*	*20*
Unknown	*5600*	*T J*	*ug/Kg*	☼	*2.45*		*11/19/14 10:58*	*11/20/14 15:01*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*53*		*39 - 146*	*11/19/14 10:58*	*11/20/14 15:01*	*20*
2-Fluorobiphenyl	*91*		*37 - 120*	*11/19/14 10:58*	*11/20/14 15:01*	*20*
2-Fluorophenol	*78*		*18 - 120*	*11/19/14 10:58*	*11/20/14 15:01*	*20*
Nitrobenzene-d5	*74*		*34 - 132*	*11/19/14 10:58*	*11/20/14 15:01*	*20*
Phenol-d5	*84*		*11 - 120*	*11/19/14 10:58*	*11/20/14 15:01*	*20*
p-Terphenyl-d14	*93*		*65 - 153*	*11/19/14 10:58*	*11/20/14 15:01*	*20*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14400**		11.6	5.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Antimony	**3.5**	**J**	17.4	0.46	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Arsenic	**15.1**		2.3	0.46	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Barium	**130**		0.58	0.13	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Beryllium	**1.3**		0.23	0.032	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Cadmium	**2.1**		0.23	0.035	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Calcium	**113000**	**B**	289	19.1	mg/Kg	☼	11/17/14 16:17	11/25/14 12:15	5
Chromium	**39.3**		0.58	0.23	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Cobalt	**7.0**		0.58	0.058	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Copper	**96.5**	**B**	1.2	0.24	mg/Kg	☼	11/17/14 16:17	11/25/14 12:12	1
Iron	**37900**	**B ^**	11.6	1.3	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Lead	**425**		1.2	0.28	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Magnesium	**11600**		23.1	1.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Manganese	**1070**	**B**	0.23	0.037	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Nickel	**25.1**		5.8	0.27	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Potassium	**1450**		34.7	23.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Selenium	**1.8**	**J**	4.6	0.46	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Silver	**0.49**	**J**	0.69	0.23	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Sodium	**342**		162	15.0	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-09-1114
Date Collected: 11/13/14 15:32
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-9
Matrix: Solid
Percent Solids: 85.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		6.9	0.35	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Vanadium	25.3		0.58	0.13	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1
Zinc	584	B	2.3	0.18	mg/Kg	☼	11/17/14 16:17	11/24/14 23:22	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.086		0.023	0.0092	mg/Kg	☼	11/17/14 10:55	11/17/14 14:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	3.1		1.1	0.55	mg/Kg	☼	11/25/14 10:56	11/25/14 15:07	1
Cyanide, Free	0.44	J B	2.3	0.11	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	0.16		0.046	0.042	mg/Kg	☼	11/24/14 14:10	11/25/14 15:19	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-10-1114
Date Collected: 11/13/14 15:47
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-10
Matrix: Solid
Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1900	520	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
2,4,6-Trichlorophenol	ND		1900	380	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
2,4-Dichlorophenol	ND		1900	200	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
2,4-Dimethylphenol	ND		1900	460	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
2,4-Dinitrophenol	ND		3700	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
2,4-Dinitrotoluene	ND		1900	400	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
2,6-Dinitrotoluene	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
2-Chloronaphthalene	ND		1900	320	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
2-Chlorophenol	ND		1900	350	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
2-Methylnaphthalene	ND		1900	380	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
2-Methylphenol	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
2-Nitroaniline	ND		3700	280	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
2-Nitrophenol	ND		1900	540	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
3,3'-Dichlorobenzidine	ND		3700	2300	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
3-Nitroaniline	ND		3700	530	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
4,6-Dinitro-2-methylphenol	ND		3700	1900	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
4-Bromophenyl phenyl ether	ND		1900	270	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
4-Chloro-3-methylphenol	ND		1900	470	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
4-Chloroaniline	ND		1900	470	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
4-Chlorophenyl phenyl ether	ND		1900	240	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
4-Methylphenol	ND		3700	230	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
4-Nitroaniline	ND		3700	1000	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
4-Nitrophenol	ND		3700	1300	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Acenaphthene	ND		1900	280	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Acenaphthylene	ND		1900	250	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Acetophenone	ND		1900	260	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Anthracene	ND		1900	470	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Atrazine	ND		1900	670	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Benzaldehyde	ND		1900	1500	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Benzo(a)anthracene	**310**	**J**	1900	190	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Benzo(a)pyrene	**1000**	**J**	1900	280	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Benzo(b)fluoranthene	**1600**	**J**	1900	300	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Benzo(g,h,i)perylene	ND		1900	200	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Benzo(k)fluoranthene	ND		1900	250	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Biphenyl	ND		1900	280	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
bis (2-chloroisopropyl) ether	ND		1900	380	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Bis(2-chloroethoxy)methane	ND		1900	410	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Bis(2-chloroethyl)ether	ND		1900	250	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Bis(2-ethylhexyl) phthalate	ND		1900	650	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Butyl benzyl phthalate	ND		1900	320	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Caprolactam	ND		1900	580	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Carbazole	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Chrysene	ND		1900	430	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Dibenz(a,h)anthracene	ND		1900	340	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Dibenzofuran	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Diethyl phthalate	ND		1900	250	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Dimethyl phthalate	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Di-n-butyl phthalate	ND		1900	330	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Di-n-octyl phthalate	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10

Client Sample ID: SS-10-1114
Date Collected: 11/13/14 15:47
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-10
Matrix: Solid
Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**390**	**J**	1900	200	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Fluorene	ND		1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Hexachlorobenzene	ND		1900	260	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Hexachlorobutadiene	ND		1900	280	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Hexachlorocyclopentadiene	ND		1900	260	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Hexachloroethane	ND		1900	250	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Indeno(1,2,3-cd)pyrene	**1700**	**J**	1900	240	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Isophorone	ND		1900	410	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Naphthalene	ND		1900	250	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Nitrobenzene	ND		1900	210	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
N-Nitrosodi-n-propylamine	ND		1900	330	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
N-Nitrosodiphenylamine	ND		1900	1600	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Pentachlorophenol	ND		3700	1900	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Phenanthrene	**310**	**J**	1900	280	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Phenol	ND		1900	290	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10
Pyrene	**350**	**J**	1900	230	ug/Kg	☼	11/19/14 10:58	11/20/14 15:25	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6100*	*T J*	*ug/Kg*	☼	*2.28*		*11/19/14 10:58*	*11/20/14 15:25*	*10*
Unknown	*3400*	*T J*	*ug/Kg*	☼	*2.45*		*11/19/14 10:58*	*11/20/14 15:25*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*74*		*39 - 146*	*11/19/14 10:58*	*11/20/14 15:25*	*10*
2-Fluorobiphenyl	*87*		*37 - 120*	*11/19/14 10:58*	*11/20/14 15:25*	*10*
2-Fluorophenol	*73*		*18 - 120*	*11/19/14 10:58*	*11/20/14 15:25*	*10*
Nitrobenzene-d5	*68*		*34 - 132*	*11/19/14 10:58*	*11/20/14 15:25*	*10*
Phenol-d5	*74*		*11 - 120*	*11/19/14 10:58*	*11/20/14 15:25*	*10*
p-Terphenyl-d14	*88*		*65 - 153*	*11/19/14 10:58*	*11/20/14 15:25*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5410**		11.3	5.0	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Antimony	**1.9**	**J**	16.9	0.45	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Arsenic	**5.7**		2.3	0.45	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Barium	**47.2**		0.56	0.12	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Beryllium	**0.44**		0.23	0.032	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Cadmium	**0.78**		0.23	0.034	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Calcium	**69600**	**B**	56.3	3.7	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Chromium	**9.3**		0.56	0.23	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Cobalt	**4.0**		0.56	0.056	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Copper	**20.3**	**B**	1.1	0.24	mg/Kg	☼	11/17/14 16:17	11/25/14 12:17	1
Iron	**22000**	**B ^**	11.3	1.2	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Lead	**177**		1.1	0.27	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Magnesium	**25800**		22.5	1.0	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Manganese	**600**	**B**	0.23	0.036	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Nickel	**10.2**		5.6	0.26	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Potassium	**966**		33.8	22.5	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Selenium	ND		4.5	0.45	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Silver	ND		0.68	0.23	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Sodium	**147**	**J**	158	14.6	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-10-1114
Date Collected: 11/13/14 15:47
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-10
Matrix: Solid
Percent Solids: 87.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		6.8	0.34	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Vanadium	**11.2**		0.56	0.12	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1
Zinc	**240**	**B**	2.3	0.17	mg/Kg	☼	11/17/14 16:17	11/24/14 23:25	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.042**		0.021	0.0087	mg/Kg	☼	11/17/14 10:55	11/17/14 15:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**3.3**		1.1	0.55	mg/Kg	☼	11/25/14 10:56	11/25/14 15:10	1
Cyanide, Free	**1.1**	**J B**	2.4	0.12	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	ND		0.046	0.041	mg/Kg	☼	11/24/14 14:10	11/25/14 15:20	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SE-CB12-1114
Date Collected: 11/14/14 08:45
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-11
Matrix: Solid
Percent Solids: 11.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		7100	1900	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
2,4,6-Trichlorophenol	ND		7100	1400	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
2,4-Dichlorophenol	ND		7100	750	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
2,4-Dimethylphenol	ND		7100	1700	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
2,4-Dinitrophenol	ND		14000	4200	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
2,4-Dinitrotoluene	ND		7100	1500	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
2,6-Dinitrotoluene	ND		7100	830	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
2-Chloronaphthalene	ND		7100	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
2-Chlorophenol	ND		7100	1300	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
2-Methylnaphthalene	ND		7100	1400	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
2-Methylphenol	ND		7100	830	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
2-Nitroaniline	ND		14000	1000	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
2-Nitrophenol	ND		7100	2000	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
3,3'-Dichlorobenzidine	ND		14000	8300	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
3-Nitroaniline	ND		14000	2000	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
4,6-Dinitro-2-methylphenol	ND		14000	7100	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
4-Bromophenyl phenyl ether	ND		7100	1000	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
4-Chloro-3-methylphenol	ND		7100	1700	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
4-Chloroaniline	ND		7100	1700	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
4-Chlorophenyl phenyl ether	ND		7100	870	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
4-Methylphenol	ND		14000	830	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
4-Nitroaniline	ND		14000	3700	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
4-Nitrophenol	ND		14000	5000	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Acenaphthene	ND		7100	1000	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Acenaphthylene	ND		7100	920	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Acetophenone	ND		7100	960	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Anthracene	ND		7100	1700	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Atrazine	ND		7100	2500	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Benzaldehyde	ND		7100	5600	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Benzo(a)anthracene	ND		7100	710	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Benzo(a)pyrene	ND		7100	1000	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Benzo(b)fluoranthene	ND		7100	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Benzo(g,h,i)perylene	ND		7100	750	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Benzo(k)fluoranthene	ND		7100	920	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Biphenyl	ND		7100	1000	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
bis (2-chloroisopropyl) ether	ND		7100	1400	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Bis(2-chloroethoxy)methane	ND		7100	1500	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Bis(2-chloroethyl)ether	ND		7100	920	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Bis(2-ethylhexyl) phthalate	ND		7100	2400	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Butyl benzyl phthalate	ND		7100	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Caprolactam	ND		7100	2100	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Carbazole	ND		7100	830	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Chrysene	ND		7100	1600	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Dibenz(a,h)anthracene	ND		7100	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Dibenzofuran	ND		7100	830	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Diethyl phthalate	ND		7100	920	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Dimethyl phthalate	ND		7100	830	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Di-n-butyl phthalate	ND		7100	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Di-n-octyl phthalate	ND		7100	830	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5

Client Sample ID: SE-CB12-1114
Date Collected: 11/14/14 08:45
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-11
Matrix: Solid
Percent Solids: 11.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		7100	750	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Fluorene	ND		7100	830	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Hexachlorobenzene	ND		7100	960	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Hexachlorobutadiene	ND		7100	1000	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Hexachlorocyclopentadiene	ND		7100	960	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Hexachloroethane	ND		7100	920	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Indeno(1,2,3-cd)pyrene	ND		7100	870	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Isophorone	ND		7100	1500	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Naphthalene	ND		7100	920	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Nitrobenzene	ND		7100	790	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
N-Nitrosodi-n-propylamine	ND		7100	1200	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
N-Nitrosodiphenylamine	ND		7100	5700	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Pentachlorophenol	ND		14000	7100	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Phenanthrene	ND		7100	1000	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Phenol	ND		7100	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5
Pyrene	ND		7100	830	ug/Kg	☼	11/19/14 10:58	11/20/14 15:49	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*46000*	*T J*	*ug/Kg*	☼	*2.29*		*11/19/14 10:58*	*11/20/14 15:49*	*5*
Unknown	*26000*	*T J*	*ug/Kg*	☼	*2.45*		*11/19/14 10:58*	*11/20/14 15:49*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*46*		*39 - 146*	*11/19/14 10:58*	*11/20/14 15:49*	*5*
2-Fluorobiphenyl	*74*		*37 - 120*	*11/19/14 10:58*	*11/20/14 15:49*	*5*
2-Fluorophenol	*62*		*18 - 120*	*11/19/14 10:58*	*11/20/14 15:49*	*5*
Nitrobenzene-d5	*61*		*34 - 132*	*11/19/14 10:58*	*11/20/14 15:49*	*5*
Phenol-d5	*73*		*11 - 120*	*11/19/14 10:58*	*11/20/14 15:49*	*5*
p-Terphenyl-d14	*82*		*65 - 153*	*11/19/14 10:58*	*11/20/14 15:49*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5000**		80.6	35.5	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Antimony	ND		121	3.2	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Arsenic	**14.8**	**J**	16.1	3.2	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Barium	**138**		4.0	0.89	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Beryllium	**0.30**	**J**	1.6	0.23	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Cadmium	**0.35**	**J**	1.6	0.24	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Calcium	**298000**	**B**	403	26.6	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Chromium	**6.7**		4.0	1.6	mg/Kg	☼	11/17/14 16:17	11/25/14 12:31	1
Cobalt	**3.7**	**J**	4.0	0.40	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Copper	**16.7**	**B**	8.1	1.7	mg/Kg	☼	11/17/14 16:17	11/25/14 12:31	1
Iron	**5300**	**B ^**	80.6	8.9	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Lead	**17.9**		8.1	1.9	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Magnesium	**40600**		161	7.5	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Manganese	**1210**	**B**	1.6	0.26	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Nickel	**12.4**	**J**	40.3	1.9	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Potassium	**1470**		242	161	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Selenium	ND		32.2	3.2	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Silver	ND		4.8	1.6	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Sodium	**576**	**J**	1130	105	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SE-CB12-1114
Date Collected: 11/14/14 08:45
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-11
Matrix: Solid
Percent Solids: 11.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		48.4	2.4	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Vanadium	**11.0**		4.0	0.89	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1
Zinc	**72.2**	**B**	16.1	1.2	mg/Kg	☼	11/17/14 16:17	11/24/14 23:38	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.16	0.065	mg/Kg	☼	11/17/14 10:55	11/17/14 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**19.6**		8.2	4.0	mg/Kg	☼	11/25/14 10:56	11/25/14 15:12	1
Cyanide, Free	**8.9**	**J B**	17.8	0.89	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	ND		0.33	0.30	mg/Kg	☼	11/24/14 14:10	11/25/14 15:29	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SE-CB13-1114
Date Collected: 11/14/14 09:15
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-12
Matrix: Solid
Percent Solids: 33.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2500	680	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
2,4,6-Trichlorophenol	ND		2500	500	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
2,4-Dichlorophenol	ND		2500	260	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
2,4-Dimethylphenol	ND		2500	600	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
2,4-Dinitrophenol	ND		4800	1500	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
2,4-Dinitrotoluene	ND		2500	510	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
2,6-Dinitrotoluene	ND		2500	290	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
2-Chloronaphthalene	ND		2500	410	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
2-Chlorophenol	ND		2500	460	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
2-Methylnaphthalene	ND		2500	500	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
2-Methylphenol	ND		2500	290	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
2-Nitroaniline	ND		4800	370	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
2-Nitrophenol	ND		2500	710	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
3,3'-Dichlorobenzidine	ND		4800	2900	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
3-Nitroaniline	ND		4800	690	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
4,6-Dinitro-2-methylphenol	ND		4800	2500	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
4-Bromophenyl phenyl ether	ND		2500	350	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
4-Chloro-3-methylphenol	ND		2500	620	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
4-Chloroaniline	ND		2500	620	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
4-Chlorophenyl phenyl ether	ND		2500	310	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
4-Methylphenol	ND		4800	290	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
4-Nitroaniline	ND		4800	1300	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
4-Nitrophenol	ND		4800	1700	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Acenaphthene	ND		2500	370	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Acenaphthylene	ND		2500	320	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Acetophenone	ND		2500	340	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Anthracene	ND		2500	620	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Atrazine	ND		2500	870	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Benzaldehyde	ND		2500	2000	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Benzo(a)anthracene	**250**	**J**	2500	250	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Benzo(a)pyrene	**1200**	**J**	2500	370	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Benzo(b)fluoranthene	**1800**	**J**	2500	400	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Benzo(g,h,i)perylene	ND		2500	260	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Benzo(k)fluoranthene	ND		2500	320	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Biphenyl	ND		2500	370	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
bis (2-chloroisopropyl) ether	ND		2500	500	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Bis(2-chloroethoxy)methane	ND		2500	530	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Bis(2-chloroethyl)ether	ND		2500	320	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Bis(2-ethylhexyl) phthalate	ND		2500	850	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Butyl benzyl phthalate	ND		2500	410	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Caprolactam	ND		2500	750	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Carbazole	ND		2500	290	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Chrysene	ND		2500	560	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Dibenz(a,h)anthracene	ND		2500	440	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Dibenzofuran	ND		2500	290	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Diethyl phthalate	ND		2500	320	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Dimethyl phthalate	ND		2500	290	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Di-n-butyl phthalate	ND		2500	430	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Di-n-octyl phthalate	ND		2500	290	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5

Client Sample ID: SE-CB13-1114
Date Collected: 11/14/14 09:15
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-12
Matrix: Solid
Percent Solids: 33.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**360**	**J**	2500	260	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Fluorene	ND		2500	290	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Hexachlorobenzene	ND		2500	340	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Hexachlorobutadiene	ND		2500	370	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Hexachlorocyclopentadiene	ND		2500	340	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Hexachloroethane	ND		2500	320	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Indeno(1,2,3-cd)pyrene	**2100**	**J**	2500	310	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Isophorone	ND		2500	530	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Naphthalene	ND		2500	320	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Nitrobenzene	ND		2500	280	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
N-Nitrosodi-n-propylamine	ND		2500	430	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
N-Nitrosodiphenylamine	ND		2500	2000	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Pentachlorophenol	ND		4800	2500	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Phenanthrene	ND		2500	370	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Phenol	ND		2500	380	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5
Pyrene	ND		2500	290	ug/Kg	☼	11/19/14 10:58	11/20/14 16:13	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*15000*	*T J*	*ug/Kg*	☼	*2.30*		*11/19/14 10:58*	*11/20/14 16:13*	*5*
Unknown	*8000*	*T J*	*ug/Kg*	☼	*2.46*		*11/19/14 10:58*	*11/20/14 16:13*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*39*		*39 - 146*	*11/19/14 10:58*	*11/20/14 16:13*	*5*
2-Fluorobiphenyl	*74*		*37 - 120*	*11/19/14 10:58*	*11/20/14 16:13*	*5*
2-Fluorophenol	*62*		*18 - 120*	*11/19/14 10:58*	*11/20/14 16:13*	*5*
Nitrobenzene-d5	*63*		*34 - 132*	*11/19/14 10:58*	*11/20/14 16:13*	*5*
Phenol-d5	*67*		*11 - 120*	*11/19/14 10:58*	*11/20/14 16:13*	*5*
p-Terphenyl-d14	*83*		*65 - 153*	*11/19/14 10:58*	*11/20/14 16:13*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8590**		27.7	12.2	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Antimony	**2.1**	**J**	41.5	1.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Arsenic	**11.2**		5.5	1.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Barium	**147**		1.4	0.30	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Beryllium	**0.53**	**J**	0.55	0.078	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Cadmium	**0.79**		0.55	0.083	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Calcium	**230000**	**B**	138	9.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Chromium	**12.6**		1.4	0.55	mg/Kg	☼	11/17/14 16:17	11/25/14 12:34	1
Cobalt	**5.7**		1.4	0.14	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Copper	**26.6**	**B**	2.8	0.58	mg/Kg	☼	11/17/14 16:17	11/25/14 12:34	1
Iron	**25500**	**B ^**	27.7	3.0	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Lead	**52.9**		2.8	0.66	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Magnesium	**22400**		55.4	2.6	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Manganese	**1440**	**B**	0.55	0.089	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Nickel	**14.1**		13.8	0.64	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Potassium	**1710**		83.0	55.4	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Selenium	ND		11.1	1.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Silver	ND		1.7	0.55	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Sodium	**416**		388	36.0	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SE-CB13-1114
Date Collected: 11/14/14 09:15
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-12
Matrix: Solid
Percent Solids: 33.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		16.6	0.83	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Vanadium	19.9		1.4	0.30	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1
Zinc	192	B	5.5	0.42	mg/Kg	☼	11/17/14 16:17	11/24/14 23:41	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.079		0.059	0.024	mg/Kg	☼	11/17/14 10:55	11/17/14 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	14.8		2.9	1.4	mg/Kg	☼	11/25/14 10:56	11/25/14 15:13	1
Cyanide, Free	1.5	J B	6.2	0.31	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	0.12		0.12	0.11	mg/Kg	☼	11/24/14 14:10	11/25/14 15:34	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SE-CB14-1114
Date Collected: 11/14/14 09:40
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-13
Matrix: Solid
Percent Solids: 40.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2100	560	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
2,4,6-Trichlorophenol	ND		2100	420	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
2,4-Dimethylphenol	ND		2100	500	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
2,4-Dinitrophenol	ND		4100	1300	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
2,4-Dinitrotoluene	ND		2100	430	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
2,6-Dinitrotoluene	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
2-Chloronaphthalene	ND		2100	340	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
2-Chlorophenol	ND		2100	380	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
2-Methylnaphthalene	ND		2100	420	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
2-Methylphenol	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
2-Nitroaniline	ND		4100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
2-Nitrophenol	ND		2100	590	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
3,3'-Dichlorobenzidine	ND		4100	2500	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
3-Nitroaniline	ND		4100	580	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
4,6-Dinitro-2-methylphenol	ND		4100	2100	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
4-Bromophenyl phenyl ether	ND		2100	290	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
4-Chloro-3-methylphenol	ND		2100	520	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
4-Chloroaniline	ND		2100	520	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
4-Methylphenol	ND		4100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
4-Nitroaniline	ND		4100	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
4-Nitrophenol	ND		4100	1500	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Acenaphthene	ND		2100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Acenaphthylene	ND		2100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Acetophenone	ND		2100	280	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Anthracene	ND		2100	520	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Atrazine	ND		2100	720	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Benzaldehyde	ND		2100	1700	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Benzo(a)anthracene	**210**	**J**	2100	210	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Benzo(a)pyrene	**1000**	**J**	2100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Benzo(b)fluoranthene	**1500**	**J**	2100	330	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Benzo(g,h,i)perylene	ND		2100	220	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Benzo(k)fluoranthene	ND		2100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Biphenyl	ND		2100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
bis (2-chloroisopropyl) ether	ND		2100	420	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Bis(2-chloroethoxy)methane	ND		2100	440	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Bis(2-ethylhexyl) phthalate	ND		2100	710	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Butyl benzyl phthalate	ND		2100	340	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Caprolactam	ND		2100	630	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Carbazole	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Chrysene	ND		2100	470	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Dibenz(a,h)anthracene	ND		2100	370	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Dibenzofuran	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Diethyl phthalate	ND		2100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Dimethyl phthalate	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Di-n-butyl phthalate	ND		2100	360	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Di-n-octyl phthalate	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5

Client Sample ID: SE-CB14-1114
Date Collected: 11/14/14 09:40
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-13
Matrix: Solid
Percent Solids: 40.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**370**	**J**	2100	220	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Fluorene	ND		2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Hexachlorobenzene	ND		2100	280	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Hexachlorocyclopentadiene	ND		2100	280	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Hexachloroethane	ND		2100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Indeno(1,2,3-cd)pyrene	**1700**	**J**	2100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Isophorone	ND		2100	440	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Naphthalene	ND		2100	270	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Nitrobenzene	ND		2100	230	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
N-Nitrosodi-n-propylamine	ND		2100	360	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Pentachlorophenol	ND		4100	2100	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Phenanthrene	ND		2100	310	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Phenol	ND		2100	320	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5
Pyrene	**290**	**J**	2100	250	ug/Kg	☼	11/19/14 10:58	11/20/14 16:37	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*15000*	*T J*	*ug/Kg*	☼	*2.29*		*11/19/14 10:58*	*11/20/14 16:37*	*5*
Unknown	*7800*	*T J*	*ug/Kg*	☼	*2.45*		*11/19/14 10:58*	*11/20/14 16:37*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*48*		*39 - 146*	*11/19/14 10:58*	*11/20/14 16:37*	*5*
2-Fluorobiphenyl	*81*		*37 - 120*	*11/19/14 10:58*	*11/20/14 16:37*	*5*
2-Fluorophenol	*70*		*18 - 120*	*11/19/14 10:58*	*11/20/14 16:37*	*5*
Nitrobenzene-d5	*70*		*34 - 132*	*11/19/14 10:58*	*11/20/14 16:37*	*5*
Phenol-d5	*78*		*11 - 120*	*11/19/14 10:58*	*11/20/14 16:37*	*5*
p-Terphenyl-d14	*88*		*65 - 153*	*11/19/14 10:58*	*11/20/14 16:37*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9300**		24.6	10.8	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Antimony	**2.9**	**J**	36.9	0.98	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Arsenic	**13.1**		4.9	0.98	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Barium	**269**		1.2	0.27	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Beryllium	**0.63**		0.49	0.069	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Cadmium	**0.74**		0.49	0.074	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Calcium	**263000**	**B**	615	40.6	mg/Kg	☼	11/17/14 16:17	11/25/14 12:39	5
Chromium	**17.7**		1.2	0.49	mg/Kg	☼	11/17/14 16:17	11/25/14 12:37	1
Cobalt	**7.2**		1.2	0.12	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Copper	**28.9**	**B**	2.5	0.52	mg/Kg	☼	11/17/14 16:17	11/25/14 12:37	1
Iron	**43600**	**B ^**	24.6	2.7	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Lead	**69.3**		2.5	0.59	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Magnesium	**5540**		49.2	2.3	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Manganese	**1090**	**B**	0.49	0.079	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Nickel	**18.6**		12.3	0.57	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Potassium	**1790**		73.8	49.2	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Selenium	ND		9.8	0.98	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Silver	ND		1.5	0.49	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Sodium	**397**		345	32.0	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SE-CB14-1114
Date Collected: 11/14/14 09:40
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-13
Matrix: Solid
Percent Solids: 40.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		14.8	0.74	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Vanadium	22.9		1.2	0.27	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1
Zinc	197	B	4.9	0.38	mg/Kg	☼	11/17/14 16:17	11/24/14 23:44	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.034	J	0.050	0.020	mg/Kg	☼	11/17/14 10:55	11/17/14 15:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.5	J	2.5	1.2	mg/Kg	☼	11/26/14 11:22	11/26/14 13:35	1
Cyanide, Free	0.96	J B	5.0	0.25	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	0.19		0.099	0.089	mg/Kg	☼	11/24/14 14:10	11/25/14 15:35	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SE-CB19-1114
Date Collected: 11/14/14 09:55
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-14
Matrix: Solid
Percent Solids: 33.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2500	690	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
2,4,6-Trichlorophenol	ND		2500	510	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
2,4-Dichlorophenol	ND		2500	270	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
2,4-Dimethylphenol	ND		2500	610	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
2,4-Dinitrophenol	ND		4900	1500	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
2,4-Dinitrotoluene	ND		2500	520	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
2,6-Dinitrotoluene	ND		2500	300	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
2-Chloronaphthalene	ND		2500	420	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
2-Chlorophenol	ND		2500	460	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
2-Methylnaphthalene	ND		2500	510	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
2-Methylphenol	ND		2500	300	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
2-Nitroaniline	ND		4900	370	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
2-Nitrophenol	ND		2500	720	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
3,3'-Dichlorobenzidine	ND		4900	3000	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
3-Nitroaniline	ND		4900	700	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
4,6-Dinitro-2-methylphenol	ND		4900	2500	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
4-Bromophenyl phenyl ether	ND		2500	360	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
4-Chloro-3-methylphenol	ND		2500	630	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
4-Chloroaniline	ND		2500	630	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
4-Chlorophenyl phenyl ether	ND		2500	310	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
4-Methylphenol	ND		4900	300	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
4-Nitroaniline	ND		4900	1300	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
4-Nitrophenol	ND		4900	1800	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Acenaphthene	ND		2500	370	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Acenaphthylene	ND		2500	330	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Acetophenone	ND		2500	340	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Anthracene	ND		2500	630	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Atrazine	ND		2500	880	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Benzaldehyde	ND		2500	2000	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Benzo(a)anthracene	ND		2500	250	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Benzo(a)pyrene	ND		2500	370	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Benzo(b)fluoranthene	ND		2500	400	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Benzo(g,h,i)perylene	ND		2500	270	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Benzo(k)fluoranthene	ND		2500	330	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Biphenyl	ND		2500	370	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
bis (2-chloroisopropyl) ether	ND		2500	510	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Bis(2-chloroethoxy)methane	ND		2500	540	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Bis(2-chloroethyl)ether	ND		2500	330	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Bis(2-ethylhexyl) phthalate	ND		2500	870	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Butyl benzyl phthalate	ND		2500	420	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Caprolactam	ND		2500	760	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Carbazole	ND		2500	300	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Chrysene	ND		2500	570	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Dibenz(a,h)anthracene	ND		2500	450	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Dibenzofuran	ND		2500	300	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Diethyl phthalate	ND		2500	330	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Dimethyl phthalate	ND		2500	300	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Di-n-butyl phthalate	ND		2500	430	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Di-n-octyl phthalate	ND		2500	300	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5

Client Sample ID: SE-CB19-1114
Date Collected: 11/14/14 09:55
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-14
Matrix: Solid
Percent Solids: 33.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		2500	270	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Fluorene	ND		2500	300	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Hexachlorobenzene	ND		2500	340	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Hexachlorobutadiene	ND		2500	370	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Hexachlorocyclopentadiene	ND		2500	340	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Hexachloroethane	ND		2500	330	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Indeno(1,2,3-cd)pyrene	ND		2500	310	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Isophorone	ND		2500	540	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Naphthalene	ND		2500	330	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Nitrobenzene	ND		2500	280	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
N-Nitrosodi-n-propylamine	ND		2500	430	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
N-Nitrosodiphenylamine	ND		2500	2100	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Pentachlorophenol	ND		4900	2500	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Phenanthrene	ND		2500	370	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Phenol	ND		2500	390	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5
Pyrene	ND		2500	300	ug/Kg	☼	11/19/14 10:58	11/20/14 17:00	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*15000*	*T J*	*ug/Kg*	☼	*2.30*		*11/19/14 10:58*	*11/20/14 17:00*	*5*
Unknown	*7500*	*T J*	*ug/Kg*	☼	*2.46*		*11/19/14 10:58*	*11/20/14 17:00*	*5*
n-Hexadecanoic acid	*4100*	*T J N*	*ug/Kg*	☼	*11.82*	*57-10-3*	*11/19/14 10:58*	*11/20/14 17:00*	*5*
Cholestan-3-one	*2500*	*T J N*	*ug/Kg*	☼	*15.57*	*15600-08-5*	*11/19/14 10:58*	*11/20/14 17:00*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*39 - 146*	*11/19/14 10:58*	*11/20/14 17:00*	*5*
2-Fluorobiphenyl	*77*		*37 - 120*	*11/19/14 10:58*	*11/20/14 17:00*	*5*
2-Fluorophenol	*72*		*18 - 120*	*11/19/14 10:58*	*11/20/14 17:00*	*5*
Nitrobenzene-d5	*64*		*34 - 132*	*11/19/14 10:58*	*11/20/14 17:00*	*5*
Phenol-d5	*74*		*11 - 120*	*11/19/14 10:58*	*11/20/14 17:00*	*5*
p-Terphenyl-d14	*83*		*65 - 153*	*11/19/14 10:58*	*11/20/14 17:00*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1320**		28.3	12.4	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Antimony	ND		42.4	1.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Arsenic	**4.9**	**J**	5.7	1.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Barium	**229**		1.4	0.31	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Beryllium	ND		0.57	0.079	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Cadmium	ND		0.57	0.085	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Calcium	**469000**	**B**	706	46.6	mg/Kg	☼	11/17/14 16:17	11/25/14 12:45	5
Chromium	**2.9**		1.4	0.57	mg/Kg	☼	11/17/14 16:17	11/25/14 12:42	1
Cobalt	**0.79**	**J**	1.4	0.14	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Copper	**6.7**	**B**	2.8	0.59	mg/Kg	☼	11/17/14 16:17	11/25/14 12:42	1
Iron	**3220**	**B ^**	28.3	3.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Lead	**5.8**		2.8	0.68	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Magnesium	**5140**		56.5	2.6	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Manganese	**175**	**B**	0.57	0.090	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Nickel	**3.7**	**J**	14.1	0.65	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Potassium	**431**		84.8	56.5	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Selenium	ND		11.3	1.1	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SE-CB19-1114
Date Collected: 11/14/14 09:55
Date Received: 11/14/14 15:30

Lab Sample ID: 480-71459-14
Matrix: Solid
Percent Solids: 33.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.7	0.57	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Sodium	**362**	**J**	396	36.7	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Thallium	ND		17.0	0.85	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Vanadium	**3.3**		1.4	0.31	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1
Zinc	**32.4**	**B**	5.7	0.43	mg/Kg	☼	11/17/14 16:17	11/24/14 23:46	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.057	0.023	mg/Kg	☼	11/17/14 10:55	11/17/14 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**4.3**		2.9	1.4	mg/Kg	☼	11/26/14 11:22	11/26/14 13:37	1
Cyanide, Free	**3.0**	**J B**	6.0	0.30	mg/Kg	☼	11/26/14 22:10	11/26/14 23:40	1
Cyanide, Available	ND		0.12	0.11	mg/Kg	☼	11/24/14 14:10	11/25/14 15:37	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SS-01-1114

Lab Sample ID: 480-71459-1

Date Collected: 11/13/14 14:40
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 78.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		5	215028	11/20/14 11:50	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 22:41	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 10:58	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 14:36	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 14:50	KMF	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126283	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:04	PGJ	TAL PIT

Client Sample ID: SS-02-1114

Lab Sample ID: 480-71459-2

Date Collected: 11/13/14 14:49
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 72.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		5	215028	11/20/14 12:14	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 22:44	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 11:00	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 14:38	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 14:52	KMF	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126283	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:08	PGJ	TAL PIT

Client Sample ID: SS-03-1114

Lab Sample ID: 480-71459-3

Date Collected: 11/13/14 14:55
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		5	215028	11/20/14 12:38	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 22:47	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 11:03	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		10	215963	11/25/14 11:06	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 14:40	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 14:53	KMF	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126283	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:10	PGJ	TAL PIT

Client Sample ID: SS-04-1114

Lab Sample ID: 480-71459-4

Date Collected: 11/13/14 15:03
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		5	215028	11/20/14 13:02	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 22:49	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 11:09	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		5	215963	11/25/14 11:31	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 14:42	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 14:54	KMF	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126283	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:11	PGJ	TAL PIT

Client Sample ID: SS-05-1114

Lab Sample ID: 480-71459-5

Date Collected: 11/13/14 15:13
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		10	215028	11/20/14 13:26	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 23:11	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 11:44	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 14:44	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 14:57	KMF	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126283	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:13	PGJ	TAL PIT

Client Sample ID: SS-06-1114

Lab Sample ID: 480-71459-6

Date Collected: 11/13/14 15:51
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		20	215028	11/20/14 13:50	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 23:14	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 12:01	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 14:54	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 15:02	KMF	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126283	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:14	PGJ	TAL PIT

Client Sample ID: SS-07-1114

Lab Sample ID: 480-71459-7

Date Collected: 11/13/14 15:22
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		10	215028	11/20/14 14:13	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 23:16	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 12:03	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		5	215963	11/25/14 12:06	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 14:56	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 15:03	KMF	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214514	11/17/14 14:09	CW	TAL BUF
Total/NA	Prep	9013A			126283	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:16	PGJ	TAL PIT

Client Sample ID: SS-08-1114

Lab Sample ID: 480-71459-8

Date Collected: 11/13/14 15:42
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		10	215028	11/20/14 14:37	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 23:19	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 12:09	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 14:58	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 15:06	KMF	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126283	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:17	PGJ	TAL PIT

Client Sample ID: SS-09-1114

Lab Sample ID: 480-71459-9

Date Collected: 11/13/14 15:32
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		20	215028	11/20/14 15:01	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 23:22	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 12:12	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		5	215963	11/25/14 12:15	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 14:59	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 15:07	KMF	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126283	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:19	PGJ	TAL PIT

Client Sample ID: SS-10-1114

Lab Sample ID: 480-71459-10

Date Collected: 11/13/14 15:47
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		10	215028	11/20/14 15:25	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 23:25	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 12:17	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 15:01	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 15:10	KMF	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126283	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:20	PGJ	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Client Sample ID: SE-CB12-1114

Lab Sample ID: 480-71459-11

Date Collected: 11/14/14 08:45
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 11.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		5	215028	11/20/14 15:49	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 23:38	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 12:31	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 15:03	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 15:12	KMF	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126287	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:29	PGJ	TAL PIT

Client Sample ID: SE-CB13-1114

Lab Sample ID: 480-71459-12

Date Collected: 11/14/14 09:15
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 33.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		5	215028	11/20/14 16:13	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 23:41	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 12:34	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 15:05	LRK	TAL BUF
Total/NA	Prep	9012B			215913	11/25/14 10:56	EKB	TAL BUF
Total/NA	Analysis	9012B		1	215973	11/25/14 15:13	KMF	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126287	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:34	PGJ	TAL PIT

Client Sample ID: SE-CB14-1114

Lab Sample ID: 480-71459-13

Date Collected: 11/14/14 09:40
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 40.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		5	215028	11/20/14 16:37	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 23:44	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 12:37	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		5	215963	11/25/14 12:39	JRK	TAL BUF
Total/NA	Prep	7471B			214370	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 15:07	LRK	TAL BUF
Total/NA	Prep	9012B			216161	11/26/14 11:22	EKB	TAL BUF
Total/NA	Analysis	9012B		1	216204	11/26/14 13:35	NCH	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126287	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:35	PGJ	TAL PIT

Client Sample ID: SE-CB19-1114

Lab Sample ID: 480-71459-14

Date Collected: 11/14/14 09:55
Matrix: Solid
Date Received: 11/14/14 15:30
Percent Solids: 33.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		5	215028	11/20/14 17:00	LMW	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215816	11/24/14 23:46	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		1	215963	11/25/14 12:42	JRK	TAL BUF
Total/NA	Prep	3050B			214464	11/17/14 16:17	EJT	TAL BUF
Total/NA	Analysis	6010C		5	215963	11/25/14 12:45	JRK	TAL BUF
Total/NA	Prep	7471B			214371	11/17/14 10:55	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214600	11/17/14 15:16	LRK	TAL BUF
Total/NA	Prep	9012B			216161	11/26/14 11:22	EKB	TAL BUF
Total/NA	Analysis	9012B		1	216204	11/26/14 13:37	NCH	TAL BUF
Total/NA	Leach	9016			265478	11/26/14 13:50	PXP	TAL EDI
Total/NA	Prep	9016			265583	11/26/14 22:10	PXP	TAL EDI
Total/NA	Analysis	9016		1	265585	11/26/14 23:40	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	214289	11/15/14 10:47	CMK	TAL BUF
Total/NA	Prep	9013A			126287	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:37	PGJ	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Solid	Dibenz[a,h]acridine
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: TestAmerica Edison

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-15

Laboratory: TestAmerica Pittsburgh

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-15

Method Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
9016	Cyanide, Free	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL BUF
OIA-1677	Cyanide, Available (Flow Injection)	OI CORP	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

OI CORP = OI Corporation Instrument Manual.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71459-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-71459-1	SS-01-1114	Solid	11/13/14 14:40	11/14/14 15:30
480-71459-2	SS-02-1114	Solid	11/13/14 14:49	11/14/14 15:30
480-71459-3	SS-03-1114	Solid	11/13/14 14:55	11/14/14 15:30
480-71459-4	SS-04-1114	Solid	11/13/14 15:03	11/14/14 15:30
480-71459-5	SS-05-1114	Solid	11/13/14 15:13	11/14/14 15:30
480-71459-6	SS-06-1114	Solid	11/13/14 15:51	11/14/14 15:30
480-71459-7	SS-07-1114	Solid	11/13/14 15:22	11/14/14 15:30
480-71459-8	SS-08-1114	Solid	11/13/14 15:42	11/14/14 15:30
480-71459-9	SS-09-1114	Solid	11/13/14 15:32	11/14/14 15:30
480-71459-10	SS-10-1114	Solid	11/13/14 15:47	11/14/14 15:30
480-71459-11	SE-CB12-1114	Solid	11/14/14 08:45	11/14/14 15:30
480-71459-12	SE-CB13-1114	Solid	11/14/14 09:15	11/14/14 15:30
480-71459-13	SE-CB14-1114	Solid	11/14/14 09:40	11/14/14 15:30
480-71459-14	SE-CB19-1114	Solid	11/14/14 09:55	11/14/14 15:30

Chain of Custody Record

480-71459 Chain of Custody

...erature on Receipt _____

...ing Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC	Heidi Dudek	11/14/14	278879
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
625 Broadway, 12th Floor	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Ricevas	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP CN Track Down, Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site No. 915193A, Parcel 4, Lab Callout			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Acid CN	Total CN	TCL SVOCs+20	Hg TAL Metals	Free CN	Special Instructions/ Conditions of Receipt
SS-01-1114	11-13-14	14:40				X	X						X	X	X	X	X	
SS-02-1114	11-13-14	14:49				X	X						X	X	X	X	X	
SS-03-1114	11-13-14	14:55				X	X						X	X	X	X	X	
SS-04-1114	11-13-14	15:03				X	X						X	X	X	X	X	
SS-05-1114	11-13-14	15:13				X	X						X	X	X	X	X	
SS-06-1114	11-13-14	15:51				X	X						X	X	X	X	X	
SS-07-1114	11-13-14	15:22				X	X						X	X	X	X	X	
SS-08-1114	11-13-14	15:42				X	X						X	X	X	X	X	
SS-09-1114	11-13-14	~~15:42~~ 15:32				X	X						X	X	X	X	X	
SS-10-1114	11-13-14	15:47				X	X						X	X	X	X	X	
SE-CB12-1114	11/14/14	08:45			X		X						X	X	X	X	X	
SE-CB13-1114	11/14/14	09:15			X		X						X	X	X	X	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Amy Ricevas	11/14/14	11:32	1. Received By: Mark Young TA Buffalo	11/14/14	1149
2. Relinquished By: Mark Young TA Buffalo	11/14/14	1530	2. Received By:	11/14/14	1530
3. Relinquished By:			3. Received By:		

Comments

2.6 °C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Heidi Dudek	11/14/14	277700
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
625 Broadway, 12th Floor	518-402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Emily Pavras	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BCP CN Trackdown, Buffalo, NY			
Contract/Purchase Order/Quote No.			
Site No. 915193A, Parcel 4, Lab Callout			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Avail CN	Total CN	TCL SVOCs + 2D	Hg, TAL Metals	Free CN	Special Instructions/ Conditions of Receipt
SE-CB14-1114	11/14/14	09:40			X		X						X	X	X	X	X	
SE-CB19-1114	11/14/14	09:55			X		X						X	X	X	X	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

		Date	Time
1. Relinquished By	Emily Pavras	11/14/14	11:40
2. Relinquished By	TA Buffalo	11/14/14	1530
3. Relinquished By			
1. Received By	TA Buffalo	11/14/14	1409
2. Received By		11/14/14	1530
3. Received By			

Comments

2.6 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-71459 Chain of Custody

510.1

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Page 1 of 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com	
Company: TestAmerica Laboratories, Inc.		Analysis Requested	Job #: 480-71459-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/26/2014		Preservation Codes:
City: Pittsburgh	TAT Requested (days):		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: PA, 15238	PO #:		
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	WO #:		Other:
Email:			
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749		
Site:	SSOW#:		

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677/9013A	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SS-01-1114 (480-71459-1)	11/13/14	14:40 Eastern		Solid			X		
SS-02-1114 (480-71459-2)	11/13/14	14:49 Eastern		Solid			X		
SS-03-1114 (480-71459-3)	11/13/14	14:55 Eastern		Solid			X		
SS-04-1114 (480-71459-4)	11/13/14	15:03 Eastern		Solid			X		
SS-05-1114 (480-71459-5)	11/13/14	15:13 Eastern		Solid			X		
SS-06-1114 (480-71459-6)	11/13/14	15:51 Eastern		Solid			X		
SS-07-1114 (480-71459-7)	11/13/14	15:22 Eastern		Solid			X		
SS-08-1114 (480-71459-8)	11/13/14	15:42 Eastern		Solid			X		
SS-09-1114 (480-71459-9)	11/13/14	15:32 Eastern		Solid			X		
SS-10-1114 (480-71459-10)	11/13/14	15:47 Eastern		Solid			X		
SE-CB12-1114 (480-71459-11)	11/14/14	08:45 Eastern		Solid			X		

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Cameron Wallace	11-17-14 1200	TAB		11/18/14 9:40	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

12/4/2014

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21510.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.				Job #: 480-71459-1

Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/26/2014
City: Pittsburgh	TAT Requested (days):
State, Zip: PA, 15238	
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:
Email:	WO #:
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677/9013A	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SE-CB13-1114 (480-71459-12)	11/14/14	09:15 Eastern		Solid			X	1	
SE-CB14-1114 (480-71459-13)	11/14/14	09:40 Eastern		Solid			X	1	
SE-CB19-1114 (480-71459-14)	11/14/14	09:55 Eastern		Solid			X	1	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Cameron Wallace	11-17-14 1100	TAB		11/17/14	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

12/4/2014

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-71459 Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	COC No: 80-21509.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		**Analysis Requested**	Job #: 480-71459-1
Address: 777 New Durham Road, ,	Due Date Requested: 11/26/2014		**Preservation Codes:**
City: Edison	TAT Requested (days):		A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify)
State, Zip: NJ, 08817			
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:		Other:
Email:	WO #:		
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749		
Site:	SSOW#:		

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9016/9016_ExtPrep	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SS-01-1114 (480-71459-1)	11/13/14	14:40 Eastern		Solid			X	1	
SS-02-1114 (480-71459-2)	11/13/14	14:49 Eastern		Solid			X	1	
SS-03-1114 (480-71459-3)	11/13/14	14:55 Eastern		Solid			X	1	
SS-04-1114 (480-71459-4)	11/13/14	15:03 Eastern		Solid			X	1	
SS-05-1114 (480-71459-5)	11/13/14	15:13 Eastern		Solid			X	1	
SS-06-1114 (480-71459-6)	11/13/14	15:51 Eastern		Solid			X	1	
SS-07-1114 (480-71459-7)	11/13/14	15:22 Eastern		Solid			X	1	
SS-08-1114 (480-71459-8)	11/13/14	15:42 Eastern		Solid			X	1	
SS-09-1114 (480-71459-9)	11/13/14	15:32 Eastern		Solid			X	1	
SS-10-1114 (480-71459-10)	11/13/14	15:47 Eastern		Solid			X	1	
SE-CB12-1114 (480-71459-11)	11/14/14	08:45 Eastern		Solid			X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Cameron Wilkie	Date/Time: 11-17-14 1100	Company: TAB	Received by: FEDEX
Relinquished by: FEDEX	Date/Time:	Company	Received by: [signature]
Relinquished by:	Date/Time:	Company	Received by:

Received by:	Date/Time:	Company		
Received by: [signature]	Date/Time: 11/18/14 1030	Company RSTL		
Received by:	Date/Time:	Company		

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.: 233484
Cooler Temperature(s) °C and Other Remarks: 2.1c / 4.1c IR#5

12/4/2014

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10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

12/4/2014

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21509.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-71459-1
Address: 777 New Durham Road, ,	Due Date Requested: 11/26/2014			Preservation Codes:
City: Edison	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9016/9016_ExtPrep	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SE-CB13-1114 (480-71459-12)	11/14/14	09:15 Eastern		Solid			X	1	
SE-CB14-1114 (480-71459-13)	11/14/14	09:40 Eastern		Solid			X	1	
SE-CB19-1114 (480-71459-14)	11/14/14	09:55 Eastern		Solid			X	1	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Cameron Wallace	11-17-14 1700	TAB			
Relinquished by: FEDEX	Date/Time:	Company	Received by:	Date/Time: 11/18/14 1030	Company TestAm
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 233484	Cooler Temperature(s) °C and Other Remarks: 2-1°C / 4-1°C FedEx

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71459-1

Login Number: 71459

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	dec
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71459-1

Login Number: 71459
List Number: 2
Creator: Villadarez, Gerson Timothy S

List Source: TestAmerica Edison
List Creation: 11/18/14 11:49 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	233484
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1°C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71459-1

Login Number: 71459
List Number: 3
Creator: Lonzo, Michael A

List Source: TestAmerica Pittsburgh
List Creation: 11/18/14 12:35 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-71528-1
Client Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Joseph V. Giacomazza

Authorized for release by:
12/18/2014 10:17:46 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

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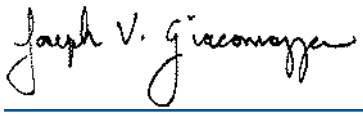
Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
12/18/2014 10:17:46 AM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-71528-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-71528-1

Receipt
The samples were received on 11/17/2014 3:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.3º C and 2.6º C.

GC/MS Semi VOA
Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: SED-CB15-1114 (480-71528-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 10% of the analytes of interest are outside the method-defined %D criteria. (CCVIS 480-217641/5).

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample(s) contained an allowable number of surrogate compounds outside limits: (MB 480-214815/1-A). These results have been reported and qualified.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix : GW-TP10-1114-F (480-71528-11), GW-TP10-1114-U (480-71528-10). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: GW-TP09-1114-F (480-71528-9), GW-TP09-1114-U (480-71528-8), GW-TP09-1114-U (480-71528-8 MS), GW-TP09-1114-U (480-71528-8 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample(s) contained an allowable number of surrogate compounds outside limits: GW-TP10-1114-F (480-71528-11). These results have been reported and qualified.

Method(s) 8270D: Surrogate recovery for the following sample(s) was outside control limits: GW-TP09-1114-F (480-71528-9), GW-TP09-1114-U (480-71528-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 10% of the analytes of interest are outside the method-defined %D criteria. (CCVIS 480-217764/5).

Method(s) 8270D: The laboratory control sample (LCS) for batch 214815 recovered outside control limits for the following analytes: Carbozole. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The analyte Benzaldehyde was outside of routine calibration acceptance limits for the initial calibration curve in analytical batch 215724. As per the method, the calibration model is acceptable as long as no more than 20% of analytes fail acceptance limits. All results for Benzaldehyde should be considered estimates. (CCVIS 480-217641) and (CCVIS 480-217764).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The continuing calibration blanks (CCBs 480-215590/42 and 480-215590/48) contained total iron above the reporting limit (RL). The reported sample SED-CB15-1114 (480-71528-3) associated with these CCBs were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of the sample was not performed.

Method(s) 6010C: The Low Level Continuing Calibration Verification (CCVL 480-215590/43) contained total aluminum, barium, iron,

Job ID: 480-71528-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

manganese, and zinc outside the control limits. All reported samples SED-CB15-1114 (480-71528-3) associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The Low Level Continuing Calibration Verification (CCVL 480-215590/49) contained total iron, manganese, and zinc outside the control limits. All reported samples SED-CB15-1114 (480-71528-3) associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The Low Level Continuing Calibration Verification (CCVL 480-215839/20) contained total aluminum and zinc outside the control limits. All reported samples (LCSSRM 480-214695/2-), (MB 480-214695/1-A) associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

Method(s) 6010C: The following sample was diluted to bring the concentration of the target analyte total calcium within the calibration range: SED-CB15-1114 (480-71528-3). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The continuing calibration verification (CCV 480-215578/13 and 480-215578/25) recovered above the upper control limit for Total Aluminum. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SW-CB15-1114-F (480-71528-2), SW-CB15-1114-U (480-71528-1), SW-CB16-1114-F (480-71528-5), SW-CB16-1114-U (480-71528-4), SW-CB20-1114-U (480-71528-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method(s) 3550C: The following samples: SED-CB15-1114 (480-71528-3) were decanted prior to preparation.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB15-1114-U
Date Collected: 11/17/14 09:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		11/19/14 02:04	12/06/14 14:53	1
2,4,6-Trichlorophenol	ND		4.8	0.59	ug/L		11/19/14 02:04	12/06/14 14:53	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		11/19/14 02:04	12/06/14 14:53	1
2,4-Dimethylphenol	ND		4.8	0.48	ug/L		11/19/14 02:04	12/06/14 14:53	1
2,4-Dinitrophenol	ND		9.6	2.1	ug/L		11/19/14 02:04	12/06/14 14:53	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		11/19/14 02:04	12/06/14 14:53	1
2,6-Dinitrotoluene	ND		4.8	0.39	ug/L		11/19/14 02:04	12/06/14 14:53	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		11/19/14 02:04	12/06/14 14:53	1
2-Chlorophenol	ND		4.8	0.51	ug/L		11/19/14 02:04	12/06/14 14:53	1
2-Methylnaphthalene	ND		4.8	0.58	ug/L		11/19/14 02:04	12/06/14 14:53	1
2-Methylphenol	ND		4.8	0.39	ug/L		11/19/14 02:04	12/06/14 14:53	1
2-Nitroaniline	ND		9.6	0.40	ug/L		11/19/14 02:04	12/06/14 14:53	1
2-Nitrophenol	ND		4.8	0.46	ug/L		11/19/14 02:04	12/06/14 14:53	1
3,3'-Dichlorobenzidine	ND		4.8	0.39	ug/L		11/19/14 02:04	12/06/14 14:53	1
3-Nitroaniline	ND		9.6	0.46	ug/L		11/19/14 02:04	12/06/14 14:53	1
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L		11/19/14 02:04	12/06/14 14:53	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		11/19/14 02:04	12/06/14 14:53	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		11/19/14 02:04	12/06/14 14:53	1
4-Chloroaniline	ND		4.8	0.57	ug/L		11/19/14 02:04	12/06/14 14:53	1
4-Chlorophenyl phenyl ether	ND		4.8	0.34	ug/L		11/19/14 02:04	12/06/14 14:53	1
4-Methylphenol	**0.63**	**J**	9.6	0.35	ug/L		11/19/14 02:04	12/06/14 14:53	1
4-Nitroaniline	ND		9.6	0.24	ug/L		11/19/14 02:04	12/06/14 14:53	1
4-Nitrophenol	ND		9.6	1.5	ug/L		11/19/14 02:04	12/06/14 14:53	1
Acenaphthene	ND		4.8	0.40	ug/L		11/19/14 02:04	12/06/14 14:53	1
Acenaphthylene	ND		4.8	0.37	ug/L		11/19/14 02:04	12/06/14 14:53	1
Acetophenone	ND		4.8	0.52	ug/L		11/19/14 02:04	12/06/14 14:53	1
Anthracene	ND		4.8	0.27	ug/L		11/19/14 02:04	12/06/14 14:53	1
Atrazine	ND		4.8	0.44	ug/L		11/19/14 02:04	12/06/14 14:53	1
Benzaldehyde	**1.2**	**J B**	4.8	0.26	ug/L		11/19/14 02:04	12/06/14 14:53	1
Benzo[a]anthracene	ND		4.8	0.35	ug/L		11/19/14 02:04	12/06/14 14:53	1
Benzo[a]pyrene	ND		4.8	0.45	ug/L		11/19/14 02:04	12/06/14 14:53	1
Benzo[b]fluoranthene	ND		4.8	0.33	ug/L		11/19/14 02:04	12/06/14 14:53	1
Benzo[g,h,i]perylene	ND		4.8	0.34	ug/L		11/19/14 02:04	12/06/14 14:53	1
Benzo[k]fluoranthene	ND		4.8	0.70	ug/L		11/19/14 02:04	12/06/14 14:53	1
Biphenyl	ND		4.8	0.63	ug/L		11/19/14 02:04	12/06/14 14:53	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		11/19/14 02:04	12/06/14 14:53	1
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L		11/19/14 02:04	12/06/14 14:53	1
Bis(2-chloroethyl)ether	ND		4.8	0.39	ug/L		11/19/14 02:04	12/06/14 14:53	1
Bis(2-ethylhexyl) phthalate	**5.1**	**B**	4.8	1.7	ug/L		11/19/14 02:04	12/06/14 14:53	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		11/19/14 02:04	12/06/14 14:53	1
Caprolactam	ND		4.8	2.1	ug/L		11/19/14 02:04	12/06/14 14:53	1
Carbazole	ND	*	4.8	0.29	ug/L		11/19/14 02:04	12/06/14 14:53	1
Chrysene	ND		4.8	0.32	ug/L		11/19/14 02:04	12/06/14 14:53	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		11/19/14 02:04	12/06/14 14:53	1
Dibenzofuran	ND		9.6	0.49	ug/L		11/19/14 02:04	12/06/14 14:53	1
Diethyl phthalate	ND		4.8	0.21	ug/L		11/19/14 02:04	12/06/14 14:53	1
Dimethyl phthalate	ND		4.8	0.35	ug/L		11/19/14 02:04	12/06/14 14:53	1
Di-n-butyl phthalate	ND		4.8	0.30	ug/L		11/19/14 02:04	12/06/14 14:53	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		11/19/14 02:04	12/06/14 14:53	1

Client Sample ID: SW-CB15-1114-U
Date Collected: 11/17/14 09:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.8	0.39	ug/L		11/19/14 02:04	12/06/14 14:53	1
Fluorene	ND		4.8	0.35	ug/L		11/19/14 02:04	12/06/14 14:53	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		11/19/14 02:04	12/06/14 14:53	1
Hexachlorobutadiene	ND		4.8	0.66	ug/L		11/19/14 02:04	12/06/14 14:53	1
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L		11/19/14 02:04	12/06/14 14:53	1
Hexachloroethane	ND		4.8	0.57	ug/L		11/19/14 02:04	12/06/14 14:53	1
Indeno[1,2,3-cd]pyrene	ND		4.8	0.45	ug/L		11/19/14 02:04	12/06/14 14:53	1
Isophorone	ND		4.8	0.41	ug/L		11/19/14 02:04	12/06/14 14:53	1
Naphthalene	ND		4.8	0.73	ug/L		11/19/14 02:04	12/06/14 14:53	1
Nitrobenzene	ND		4.8	0.28	ug/L		11/19/14 02:04	12/06/14 14:53	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		11/19/14 02:04	12/06/14 14:53	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		11/19/14 02:04	12/06/14 14:53	1
Pentachlorophenol	ND		9.6	2.1	ug/L		11/19/14 02:04	12/06/14 14:53	1
Phenanthrene	ND		4.8	0.42	ug/L		11/19/14 02:04	12/06/14 14:53	1
Phenol	**0.74**	**J**	4.8	0.38	ug/L		11/19/14 02:04	12/06/14 14:53	1
Pyrene	ND		4.8	0.33	ug/L		11/19/14 02:04	12/06/14 14:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.5*	*T J*	*ug/L*		*4.76*		*11/19/14 02:04*	*12/06/14 14:53*	*1*
Unknown	*27*	*T J*	*ug/L*		*4.79*		*11/19/14 02:04*	*12/06/14 14:53*	*1*
Benzene, 1,3-dimethyl-	*8.4*	*T J N*	*ug/L*		*5.04*	*108-38-3*	*11/19/14 02:04*	*12/06/14 14:53*	*1*
Decane	*3.5*	*T J N*	*ug/L*		*5.94*	*124-18-5*	*11/19/14 02:04*	*12/06/14 14:53*	*1*
Unknown	*5.3*	*T J*	*ug/L*		*6.13*		*11/19/14 02:04*	*12/06/14 14:53*	*1*
D-Limonene	*3.0*	*T J N*	*ug/L*		*6.17*	*5989-27-5*	*11/19/14 02:04*	*12/06/14 14:53*	*1*
Benzoic acid, 3,4-dichloro-	*7.9*	*T J N*	*ug/L*		*8.64*	*51-44-5*	*11/19/14 02:04*	*12/06/14 14:53*	*1*
Unknown	*5.5*	*T J*	*ug/L*		*9.94*		*11/19/14 02:04*	*12/06/14 14:53*	*1*
n-Hexadecanoic acid	*4.7*	*T J N*	*ug/L*		*10.25*	*57-10-3*	*11/19/14 02:04*	*12/06/14 14:53*	*1*
Unknown	*18*	*T J*	*ug/L*		*10.85*		*11/19/14 02:04*	*12/06/14 14:53*	*1*
Octadecanoic acid	*5.7*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*11/19/14 02:04*	*12/06/14 14:53*	*1*
Unknown	*4.7*	*T J*	*ug/L*		*11.34*		*11/19/14 02:04*	*12/06/14 14:53*	*1*
9-Octadecenamide	*180*	*E*	*ug/L*		*11.72*	*301-02-0*	*11/19/14 02:04*	*12/06/14 14:53*	*1*
Unknown	*9.6*	*T J*	*ug/L*		*12.29*		*11/19/14 02:04*	*12/06/14 14:53*	*1*
Unknown	*8.2*	*T J*	*ug/L*		*12.68*		*11/19/14 02:04*	*12/06/14 14:53*	*1*
Unknown	*5.7*	*T J*	*ug/L*		*13.10*		*11/19/14 02:04*	*12/06/14 14:53*	*1*
Unknown	*6.1*	*T J*	*ug/L*		*13.38*		*11/19/14 02:04*	*12/06/14 14:53*	*1*
Unknown	*15*	*T J*	*ug/L*		*13.41*		*11/19/14 02:04*	*12/06/14 14:53*	*1*
Unknown	*5.9*	*T J*	*ug/L*		*14.34*		*11/19/14 02:04*	*12/06/14 14:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*52 - 132*	*11/19/14 02:04*	*12/06/14 14:53*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*11/19/14 02:04*	*12/06/14 14:53*	*1*
2-Fluorophenol (Surr)	*89*		*20 - 120*	*11/19/14 02:04*	*12/06/14 14:53*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*11/19/14 02:04*	*12/06/14 14:53*	*1*
Phenol-d5 (Surr)	*58*		*16 - 120*	*11/19/14 02:04*	*12/06/14 14:53*	*1*
p-Terphenyl-d14 (Surr)	*96*		*67 - 150*	*11/19/14 02:04*	*12/06/14 14:53*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND	^	0.20	0.060	mg/L		11/18/14 08:57	11/22/14 13:09	1
Antimony	ND		0.020	0.0068	mg/L		11/18/14 08:57	11/22/14 13:09	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB15-1114-U
Date Collected: 11/17/14 09:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		11/18/14 08:57	11/22/14 13:09	1
Barium	**0.16**		0.0020	0.00070	mg/L		11/18/14 08:57	11/22/14 13:09	1
Beryllium	ND		0.0020	0.00030	mg/L		11/18/14 08:57	11/22/14 13:09	1
Cadmium	ND		0.0020	0.00050	mg/L		11/18/14 08:57	11/22/14 13:09	1
Calcium	**211**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:09	1
Chromium	ND		0.0040	0.0010	mg/L		11/18/14 08:57	11/22/14 13:09	1
Cobalt	ND		0.0040	0.00063	mg/L		11/18/14 08:57	11/22/14 13:09	1
Copper	**0.0018**	**J**	0.010	0.0016	mg/L		11/18/14 08:57	11/22/14 13:09	1
Iron	ND		0.050	0.019	mg/L		11/18/14 08:57	11/22/14 13:09	1
Lead	ND		0.010	0.0030	mg/L		11/18/14 08:57	11/22/14 13:09	1
Magnesium	**0.17**	**J**	0.20	0.043	mg/L		11/18/14 08:57	11/22/14 13:09	1
Manganese	**0.0041**		0.0030	0.00040	mg/L		11/18/14 08:57	11/22/14 13:09	1
Nickel	ND		0.010	0.0013	mg/L		11/18/14 08:57	11/22/14 13:09	1
Potassium	**28.6**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:09	1
Selenium	ND		0.025	0.0087	mg/L		11/18/14 08:57	11/22/14 13:09	1
Silver	ND		0.0060	0.0017	mg/L		11/18/14 08:57	11/22/14 13:09	1
Sodium	**49.5**		1.0	0.32	mg/L		11/18/14 08:57	11/22/14 13:09	1
Thallium	ND		0.020	0.010	mg/L		11/18/14 08:57	11/22/14 13:09	1
Vanadium	ND		0.0050	0.0015	mg/L		11/18/14 08:57	11/22/14 13:09	1
Zinc	**0.0076**	**J B**	0.010	0.0015	mg/L		11/18/14 08:57	11/22/14 13:09	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/19/14 09:40	11/19/14 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/26/14 08:43	11/26/14 13:09	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 14:17	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB15-1114-F
Date Collected: 11/17/14 10:10
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/19/14 02:04	12/06/14 15:19	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/19/14 02:04	12/06/14 15:19	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/19/14 02:04	12/06/14 15:19	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/19/14 02:04	12/06/14 15:19	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		11/19/14 02:04	12/06/14 15:19	1
2,4-Dinitrotoluene	ND		5.0	0.44	ug/L		11/19/14 02:04	12/06/14 15:19	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 15:19	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/19/14 02:04	12/06/14 15:19	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/19/14 02:04	12/06/14 15:19	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/19/14 02:04	12/06/14 15:19	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 15:19	1
2-Nitroaniline	ND		9.9	0.42	ug/L		11/19/14 02:04	12/06/14 15:19	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/19/14 02:04	12/06/14 15:19	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 15:19	1
3-Nitroaniline	ND		9.9	0.48	ug/L		11/19/14 02:04	12/06/14 15:19	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		11/19/14 02:04	12/06/14 15:19	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/19/14 02:04	12/06/14 15:19	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/19/14 02:04	12/06/14 15:19	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/19/14 02:04	12/06/14 15:19	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/19/14 02:04	12/06/14 15:19	1
4-Methylphenol	**0.79**	**J**	9.9	0.36	ug/L		11/19/14 02:04	12/06/14 15:19	1
4-Nitroaniline	ND		9.9	0.25	ug/L		11/19/14 02:04	12/06/14 15:19	1
4-Nitrophenol	ND		9.9	1.5	ug/L		11/19/14 02:04	12/06/14 15:19	1
Acenaphthene	ND		5.0	0.41	ug/L		11/19/14 02:04	12/06/14 15:19	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/19/14 02:04	12/06/14 15:19	1
Acetophenone	ND		5.0	0.54	ug/L		11/19/14 02:04	12/06/14 15:19	1
Anthracene	ND		5.0	0.28	ug/L		11/19/14 02:04	12/06/14 15:19	1
Atrazine	ND		5.0	0.46	ug/L		11/19/14 02:04	12/06/14 15:19	1
Benzaldehyde	**1.5**	**J B**	5.0	0.27	ug/L		11/19/14 02:04	12/06/14 15:19	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/19/14 02:04	12/06/14 15:19	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/19/14 02:04	12/06/14 15:19	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/19/14 02:04	12/06/14 15:19	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/19/14 02:04	12/06/14 15:19	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/19/14 02:04	12/06/14 15:19	1
Biphenyl	ND		5.0	0.65	ug/L		11/19/14 02:04	12/06/14 15:19	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/19/14 02:04	12/06/14 15:19	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/19/14 02:04	12/06/14 15:19	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 15:19	1
Bis(2-ethylhexyl) phthalate	**6.0**	**B**	5.0	1.8	ug/L		11/19/14 02:04	12/06/14 15:19	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		11/19/14 02:04	12/06/14 15:19	1
Caprolactam	ND		5.0	2.2	ug/L		11/19/14 02:04	12/06/14 15:19	1
Carbazole	ND	*	5.0	0.30	ug/L		11/19/14 02:04	12/06/14 15:19	1
Chrysene	ND		5.0	0.33	ug/L		11/19/14 02:04	12/06/14 15:19	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/19/14 02:04	12/06/14 15:19	1
Dibenzofuran	ND		9.9	0.51	ug/L		11/19/14 02:04	12/06/14 15:19	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/19/14 02:04	12/06/14 15:19	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/19/14 02:04	12/06/14 15:19	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/19/14 02:04	12/06/14 15:19	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/19/14 02:04	12/06/14 15:19	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB15-1114-F
Date Collected: 11/17/14 10:10
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 15:19	1
Fluorene	ND		5.0	0.36	ug/L		11/19/14 02:04	12/06/14 15:19	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/19/14 02:04	12/06/14 15:19	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/19/14 02:04	12/06/14 15:19	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/19/14 02:04	12/06/14 15:19	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/19/14 02:04	12/06/14 15:19	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/19/14 02:04	12/06/14 15:19	1
Isophorone	ND		5.0	0.43	ug/L		11/19/14 02:04	12/06/14 15:19	1
Naphthalene	ND		5.0	0.75	ug/L		11/19/14 02:04	12/06/14 15:19	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/19/14 02:04	12/06/14 15:19	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/19/14 02:04	12/06/14 15:19	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/19/14 02:04	12/06/14 15:19	1
Pentachlorophenol	ND		9.9	2.2	ug/L		11/19/14 02:04	12/06/14 15:19	1
Phenanthrene	ND		5.0	0.44	ug/L		11/19/14 02:04	12/06/14 15:19	1
Phenol	**0.91**	**J**	5.0	0.39	ug/L		11/19/14 02:04	12/06/14 15:19	1
Pyrene	ND		5.0	0.34	ug/L		11/19/14 02:04	12/06/14 15:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*13*	*T J*	*ug/L*		*4.77*		*11/19/14 02:04*	*12/06/14 15:19*	*1*
p-Xylene	*11*	*T J N*	*ug/L*		*5.04*	*106-42-3*	*11/19/14 02:04*	*12/06/14 15:19*	*1*
Cyclotetrasiloxane, octamethyl-	*120*	*T J N*	*ug/L*		*5.77*	*556-67-2*	*11/19/14 02:04*	*12/06/14 15:19*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*6.13*		*11/19/14 02:04*	*12/06/14 15:19*	*1*
Cyclopentasiloxane, decamethyl-	*38*	*T J N*	*ug/L*		*6.69*	*541-02-6*	*11/19/14 02:04*	*12/06/14 15:19*	*1*
Cyclohexasiloxane, dodecamethyl-	*15*	*T J N*	*ug/L*		*7.55*	*540-97-6*	*11/19/14 02:04*	*12/06/14 15:19*	*1*
Benzoic acid, 2,6-dichloro-	*5.6*	*T J N*	*ug/L*		*8.65*	*50-30-6*	*11/19/14 02:04*	*12/06/14 15:19*	*1*
Unknown	*31*	*T J*	*ug/L*		*10.85*		*11/19/14 02:04*	*12/06/14 15:19*	*1*
Octadecanoic acid	*9.9*	*T J N*	*ug/L*		*10.91*	*57-11-4*	*11/19/14 02:04*	*12/06/14 15:19*	*1*
Unknown	*6.8*	*T J*	*ug/L*		*11.34*		*11/19/14 02:04*	*12/06/14 15:19*	*1*
Unknown	*15*	*T J*	*ug/L*		*11.70*		*11/19/14 02:04*	*12/06/14 15:19*	*1*
Unknown	*19*	*T J*	*ug/L*		*12.29*		*11/19/14 02:04*	*12/06/14 15:19*	*1*
Unknown	*17*	*T J*	*ug/L*		*12.69*		*11/19/14 02:04*	*12/06/14 15:19*	*1*
Unknown	*6.1*	*T J*	*ug/L*		*13.10*		*11/19/14 02:04*	*12/06/14 15:19*	*1*
Unknown	*11*	*T J*	*ug/L*		*13.38*		*11/19/14 02:04*	*12/06/14 15:19*	*1*
Unknown	*20*	*T J*	*ug/L*		*13.41*		*11/19/14 02:04*	*12/06/14 15:19*	*1*
Unknown	*6.2*	*T J*	*ug/L*		*14.36*		*11/19/14 02:04*	*12/06/14 15:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*109*		*52 - 132*	*11/19/14 02:04*	*12/06/14 15:19*	*1*
2-Fluorobiphenyl	*91*		*48 - 120*	*11/19/14 02:04*	*12/06/14 15:19*	*1*
2-Fluorophenol (Surr)	*112*		*20 - 120*	*11/19/14 02:04*	*12/06/14 15:19*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 120*	*11/19/14 02:04*	*12/06/14 15:19*	*1*
Phenol-d5 (Surr)	*74*		*16 - 120*	*11/19/14 02:04*	*12/06/14 15:19*	*1*
p-Terphenyl-d14 (Surr)	*110*		*67 - 150*	*11/19/14 02:04*	*12/06/14 15:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND	^	0.20	0.060	mg/L		11/18/14 08:57	11/22/14 13:12	1
Antimony	ND		0.020	0.0068	mg/L		11/18/14 08:57	11/22/14 13:12	1
Arsenic	ND		0.015	0.0056	mg/L		11/18/14 08:57	11/22/14 13:12	1
Barium	**0.16**		0.0020	0.00070	mg/L		11/18/14 08:57	11/22/14 13:12	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB15-1114-F
Date Collected: 11/17/14 10:10
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		11/18/14 08:57	11/22/14 13:12	1
Cadmium	ND		0.0020	0.00050	mg/L		11/18/14 08:57	11/22/14 13:12	1
Calcium	**202**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:12	1
Chromium	ND		0.0040	0.0010	mg/L		11/18/14 08:57	11/22/14 13:12	1
Cobalt	ND		0.0040	0.00063	mg/L		11/18/14 08:57	11/22/14 13:12	1
Copper	ND		0.010	0.0016	mg/L		11/18/14 08:57	11/22/14 13:12	1
Iron	ND		0.050	0.019	mg/L		11/18/14 08:57	11/22/14 13:12	1
Lead	ND		0.010	0.0030	mg/L		11/18/14 08:57	11/22/14 13:12	1
Magnesium	**0.13**	**J**	0.20	0.043	mg/L		11/18/14 08:57	11/22/14 13:12	1
Manganese	**0.00043**	**J**	0.0030	0.00040	mg/L		11/18/14 08:57	11/22/14 13:12	1
Nickel	ND		0.010	0.0013	mg/L		11/18/14 08:57	11/22/14 13:12	1
Potassium	**28.0**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:12	1
Selenium	ND		0.025	0.0087	mg/L		11/18/14 08:57	11/22/14 13:12	1
Silver	ND		0.0060	0.0017	mg/L		11/18/14 08:57	11/22/14 13:12	1
Sodium	**49.6**		1.0	0.32	mg/L		11/18/14 08:57	11/22/14 13:12	1
Thallium	ND		0.020	0.010	mg/L		11/18/14 08:57	11/22/14 13:12	1
Vanadium	ND		0.0050	0.0015	mg/L		11/18/14 08:57	11/22/14 13:12	1
Zinc	**0.0044**	**J B**	0.010	0.0015	mg/L		11/18/14 08:57	11/22/14 13:12	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/19/14 09:40	11/19/14 15:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/26/14 08:43	11/26/14 13:12	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 14:18	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SED-CB15-1114
Date Collected: 11/17/14 10:30
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-3
Matrix: Solid
Percent Solids: 79.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1100	290	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
2,4,6-Trichlorophenol	ND		1100	210	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
2,4-Dichlorophenol	ND		1100	110	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
2,4-Dimethylphenol	ND		1100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
2,4-Dinitrophenol	ND		2100	640	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
2,4-Dinitrotoluene	ND		1100	220	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
2,6-Dinitrotoluene	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
2-Chloronaphthalene	ND		1100	180	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
2-Chlorophenol	ND		1100	190	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
2-Methylnaphthalene	ND		1100	210	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
2-Methylphenol	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
2-Nitroaniline	ND		2100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
2-Nitrophenol	ND		1100	300	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
3,3'-Dichlorobenzidine	ND		2100	1300	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
3-Nitroaniline	ND		2100	290	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
4,6-Dinitro-2-methylphenol	ND		2100	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
4-Bromophenyl phenyl ether	ND		1100	150	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
4-Chloro-3-methylphenol	ND		1100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
4-Chloroaniline	ND		1100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
4-Chlorophenyl phenyl ether	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
4-Methylphenol	ND		2100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
4-Nitroaniline	ND		2100	560	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
4-Nitrophenol	ND		2100	750	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Acenaphthene	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Acenaphthylene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Acetophenone	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Anthracene	ND		1100	260	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Atrazine	ND		1100	370	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Benzaldehyde	ND		1100	850	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Benzo(a)anthracene	**180**	**J**	1100	110	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Benzo(a)pyrene	**600**	**J**	1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Benzo(b)fluoranthene	**860**	**J**	1100	170	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Benzo(g,h,i)perylene	**110**	**J**	1100	110	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Benzo(k)fluoranthene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Biphenyl	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
bis (2-chloroisopropyl) ether	ND		1100	210	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Bis(2-chloroethoxy)methane	ND		1100	230	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Bis(2-chloroethyl)ether	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Bis(2-ethylhexyl) phthalate	ND		1100	360	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Butyl benzyl phthalate	ND		1100	180	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Caprolactam	ND		1100	320	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Carbazole	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Chrysene	ND		1100	240	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Dibenz(a,h)anthracene	ND		1100	190	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Dibenzofuran	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Diethyl phthalate	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Dimethyl phthalate	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Di-n-butyl phthalate	ND		1100	180	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Di-n-octyl phthalate	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5

Client Sample ID: SED-CB15-1114
Date Collected: 11/17/14 10:30
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-3
Matrix: Solid
Percent Solids: 79.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**310**	**J**	1100	110	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Fluorene	ND		1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Hexachlorobenzene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Hexachlorobutadiene	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Hexachlorocyclopentadiene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Hexachloroethane	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Indeno(1,2,3-cd)pyrene	**940**	**J**	1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Isophorone	ND		1100	230	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Naphthalene	ND		1100	140	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Nitrobenzene	ND		1100	120	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
N-Nitrosodi-n-propylamine	ND		1100	180	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
N-Nitrosodiphenylamine	ND		1100	870	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Pentachlorophenol	ND		2100	1100	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Phenanthrene	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Phenol	ND		1100	160	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5
Pyrene	**220**	**J**	1100	130	ug/Kg	☼	11/19/14 10:58	11/20/14 18:59	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2100*	*T J*	*ug/Kg*	☼	*2.29*		*11/19/14 10:58*	*11/20/14 18:59*	*5*
Unknown	*2400*	*T J*	*ug/Kg*	☼	*2.46*		*11/19/14 10:58*	*11/20/14 18:59*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*39 - 146*	*11/19/14 10:58*	*11/20/14 18:59*	*5*
2-Fluorobiphenyl	*83*		*37 - 120*	*11/19/14 10:58*	*11/20/14 18:59*	*5*
2-Fluorophenol	*72*		*18 - 120*	*11/19/14 10:58*	*11/20/14 18:59*	*5*
Nitrobenzene-d5	*69*		*34 - 132*	*11/19/14 10:58*	*11/20/14 18:59*	*5*
Phenol-d5	*74*		*11 - 120*	*11/19/14 10:58*	*11/20/14 18:59*	*5*
p-Terphenyl-d14	*92*		*65 - 153*	*11/19/14 10:58*	*11/20/14 18:59*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4500**	**^ B**	12.8	5.6	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Antimony	**1.9**	**J**	19.2	0.51	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Arsenic	**8.1**		2.6	0.51	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Barium	**89.3**	**^**	0.64	0.14	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Beryllium	**0.94**		0.26	0.036	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Cadmium	**0.47**		0.26	0.038	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Calcium	**148000**	**B**	320	21.1	mg/Kg	☼	11/18/14 17:05	11/25/14 14:56	5
Chromium	**9.2**		0.64	0.26	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Cobalt	**3.6**		0.64	0.064	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Copper	**14.5**		1.3	0.27	mg/Kg	☼	11/18/14 17:05	11/25/14 14:53	1
Iron	**35300**	**^ B**	12.8	1.4	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Lead	**46.0**		1.3	0.31	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Magnesium	**5590**	**B**	25.6	1.2	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Manganese	**1030**	**^ B**	0.26	0.041	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Nickel	**8.0**	**B**	6.4	0.29	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Potassium	**488**	**B**	38.4	25.6	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Selenium	ND		5.1	0.51	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Silver	ND		0.77	0.26	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Sodium	**153**	**J B**	179	16.6	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SED-CB15-1114
Date Collected: 11/17/14 10:30
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-3
Matrix: Solid
Percent Solids: 79.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		7.7	0.38	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Vanadium	**8.2**		0.64	0.14	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1
Zinc	**152**	**^ B**	2.6	0.20	mg/Kg	☼	11/18/14 17:05	11/22/14 18:13	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.021**	**J**	0.024	0.0099	mg/Kg	☼	11/18/14 11:45	11/19/14 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**5.2**		1.2	0.59	mg/Kg	☼	11/26/14 11:22	11/26/14 13:38	1
Cyanide, Free	**0.64**	**J**	2.6	0.13	mg/Kg	☼	11/30/14 22:27	11/30/14 23:59	1
Cyanide, Available	ND		0.050	0.045	mg/Kg	☼	11/24/14 14:10	11/25/14 15:38	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB16-1114-U
Date Collected: 11/17/14 11:35
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/19/14 02:04	12/06/14 15:46	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/19/14 02:04	12/06/14 15:46	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/19/14 02:04	12/06/14 15:46	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/19/14 02:04	12/06/14 15:46	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/19/14 02:04	12/06/14 15:46	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/19/14 02:04	12/06/14 15:46	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 15:46	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/19/14 02:04	12/06/14 15:46	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/19/14 02:04	12/06/14 15:46	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/19/14 02:04	12/06/14 15:46	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 15:46	1
2-Nitroaniline	ND		10	0.42	ug/L		11/19/14 02:04	12/06/14 15:46	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/19/14 02:04	12/06/14 15:46	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 15:46	1
3-Nitroaniline	ND		10	0.48	ug/L		11/19/14 02:04	12/06/14 15:46	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/19/14 02:04	12/06/14 15:46	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/19/14 02:04	12/06/14 15:46	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/19/14 02:04	12/06/14 15:46	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/19/14 02:04	12/06/14 15:46	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/19/14 02:04	12/06/14 15:46	1
4-Methylphenol	**0.66**	**J**	10	0.36	ug/L		11/19/14 02:04	12/06/14 15:46	1
4-Nitroaniline	ND		10	0.25	ug/L		11/19/14 02:04	12/06/14 15:46	1
4-Nitrophenol	ND		10	1.5	ug/L		11/19/14 02:04	12/06/14 15:46	1
Acenaphthene	ND		5.0	0.41	ug/L		11/19/14 02:04	12/06/14 15:46	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/19/14 02:04	12/06/14 15:46	1
Acetophenone	ND		5.0	0.54	ug/L		11/19/14 02:04	12/06/14 15:46	1
Anthracene	ND		5.0	0.28	ug/L		11/19/14 02:04	12/06/14 15:46	1
Atrazine	ND		5.0	0.46	ug/L		11/19/14 02:04	12/06/14 15:46	1
Benzaldehyde	**1.1**	**J B**	5.0	0.27	ug/L		11/19/14 02:04	12/06/14 15:46	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/19/14 02:04	12/06/14 15:46	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/19/14 02:04	12/06/14 15:46	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/19/14 02:04	12/06/14 15:46	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/19/14 02:04	12/06/14 15:46	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/19/14 02:04	12/06/14 15:46	1
Biphenyl	ND		5.0	0.66	ug/L		11/19/14 02:04	12/06/14 15:46	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/19/14 02:04	12/06/14 15:46	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/19/14 02:04	12/06/14 15:46	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 15:46	1
Bis(2-ethylhexyl) phthalate	**5.7**	**B**	5.0	1.8	ug/L		11/19/14 02:04	12/06/14 15:46	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		11/19/14 02:04	12/06/14 15:46	1
Caprolactam	ND		5.0	2.2	ug/L		11/19/14 02:04	12/06/14 15:46	1
Carbazole	ND	*	5.0	0.30	ug/L		11/19/14 02:04	12/06/14 15:46	1
Chrysene	ND		5.0	0.33	ug/L		11/19/14 02:04	12/06/14 15:46	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/19/14 02:04	12/06/14 15:46	1
Dibenzofuran	ND		10	0.51	ug/L		11/19/14 02:04	12/06/14 15:46	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/19/14 02:04	12/06/14 15:46	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/19/14 02:04	12/06/14 15:46	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/19/14 02:04	12/06/14 15:46	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/19/14 02:04	12/06/14 15:46	1

Client Sample ID: SW-CB16-1114-U
Date Collected: 11/17/14 11:35
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 15:46	1
Fluorene	ND		5.0	0.36	ug/L		11/19/14 02:04	12/06/14 15:46	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/19/14 02:04	12/06/14 15:46	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/19/14 02:04	12/06/14 15:46	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/19/14 02:04	12/06/14 15:46	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/19/14 02:04	12/06/14 15:46	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/19/14 02:04	12/06/14 15:46	1
Isophorone	ND		5.0	0.43	ug/L		11/19/14 02:04	12/06/14 15:46	1
Naphthalene	ND		5.0	0.76	ug/L		11/19/14 02:04	12/06/14 15:46	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/19/14 02:04	12/06/14 15:46	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/19/14 02:04	12/06/14 15:46	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/19/14 02:04	12/06/14 15:46	1
Pentachlorophenol	ND		10	2.2	ug/L		11/19/14 02:04	12/06/14 15:46	1
Phenanthrene	ND		5.0	0.44	ug/L		11/19/14 02:04	12/06/14 15:46	1
Phenol	**0.75**	**J**	5.0	0.39	ug/L		11/19/14 02:04	12/06/14 15:46	1
Pyrene	ND		5.0	0.34	ug/L		11/19/14 02:04	12/06/14 15:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.7*	*T J*	*ug/L*		*4.76*		*11/19/14 02:04*	*12/06/14 15:46*	*1*
Unknown	*13*	*T J*	*ug/L*		*4.78*		*11/19/14 02:04*	*12/06/14 15:46*	*1*
Benzene, 1,3-dimethyl-	*8.8*	*T J N*	*ug/L*		*5.04*	*108-38-3*	*11/19/14 02:04*	*12/06/14 15:46*	*1*
Decane	*3.7*	*T J N*	*ug/L*		*5.94*	*124-18-5*	*11/19/14 02:04*	*12/06/14 15:46*	*1*
n-Octadecane	*8.1*		*ug/L*		*6.13*	*593-45-3*	*11/19/14 02:04*	*12/06/14 15:46*	*1*
D-Limonene	*3.1*	*T J N*	*ug/L*		*6.16*	*5989-27-5*	*11/19/14 02:04*	*12/06/14 15:46*	*1*
Benzoic acid, 2,6-dichloro-	*3.6*	*T J N*	*ug/L*		*8.64*	*50-30-6*	*11/19/14 02:04*	*12/06/14 15:46*	*1*
Unknown	*4.1*	*T J*	*ug/L*		*9.94*		*11/19/14 02:04*	*12/06/14 15:46*	*1*
n-Hexadecanoic acid	*5.2*	*T J N*	*ug/L*		*10.25*	*57-10-3*	*11/19/14 02:04*	*12/06/14 15:46*	*1*
Unknown	*24*	*T J*	*ug/L*		*10.85*		*11/19/14 02:04*	*12/06/14 15:46*	*1*
Octadecanoic acid	*6.7*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*11/19/14 02:04*	*12/06/14 15:46*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*11.34*		*11/19/14 02:04*	*12/06/14 15:46*	*1*
Unknown	*12*	*T J*	*ug/L*		*11.69*		*11/19/14 02:04*	*12/06/14 15:46*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*12.03*		*11/19/14 02:04*	*12/06/14 15:46*	*1*
Unknown	*15*	*T J*	*ug/L*		*12.29*		*11/19/14 02:04*	*12/06/14 15:46*	*1*
Unknown	*14*	*T J*	*ug/L*		*12.68*		*11/19/14 02:04*	*12/06/14 15:46*	*1*
Unknown	*8.9*	*T J*	*ug/L*		*13.11*		*11/19/14 02:04*	*12/06/14 15:46*	*1*
Unknown	*35*	*T J*	*ug/L*		*13.41*		*11/19/14 02:04*	*12/06/14 15:46*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*14.36*		*11/19/14 02:04*	*12/06/14 15:46*	*1*
Unknown	*5.5*	*T J*	*ug/L*		*14.67*		*11/19/14 02:04*	*12/06/14 15:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*52 - 132*	*11/19/14 02:04*	*12/06/14 15:46*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*11/19/14 02:04*	*12/06/14 15:46*	*1*
2-Fluorophenol (Surr)	*92*		*20 - 120*	*11/19/14 02:04*	*12/06/14 15:46*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*11/19/14 02:04*	*12/06/14 15:46*	*1*
Phenol-d5 (Surr)	*60*		*16 - 120*	*11/19/14 02:04*	*12/06/14 15:46*	*1*
p-Terphenyl-d14 (Surr)	*107*		*67 - 150*	*11/19/14 02:04*	*12/06/14 15:46*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND	^	0.20	0.060	mg/L		11/18/14 08:57	11/22/14 13:15	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB16-1114-U
Date Collected: 11/17/14 11:35
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		11/18/14 08:57	11/22/14 13:15	1
Arsenic	ND		0.015	0.0056	mg/L		11/18/14 08:57	11/22/14 13:15	1
Barium	**0.16**		0.0020	0.00070	mg/L		11/18/14 08:57	11/22/14 13:15	1
Beryllium	ND		0.0020	0.00030	mg/L		11/18/14 08:57	11/22/14 13:15	1
Cadmium	ND		0.0020	0.00050	mg/L		11/18/14 08:57	11/22/14 13:15	1
Calcium	**209**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:15	1
Chromium	ND		0.0040	0.0010	mg/L		11/18/14 08:57	11/22/14 13:15	1
Cobalt	ND		0.0040	0.00063	mg/L		11/18/14 08:57	11/22/14 13:15	1
Copper	ND		0.010	0.0016	mg/L		11/18/14 08:57	11/22/14 13:15	1
Iron	ND		0.050	0.019	mg/L		11/18/14 08:57	11/22/14 13:15	1
Lead	ND		0.010	0.0030	mg/L		11/18/14 08:57	11/22/14 13:15	1
Magnesium	**0.18**	**J**	0.20	0.043	mg/L		11/18/14 08:57	11/22/14 13:15	1
Manganese	**0.0035**		0.0030	0.00040	mg/L		11/18/14 08:57	11/22/14 13:15	1
Nickel	ND		0.010	0.0013	mg/L		11/18/14 08:57	11/22/14 13:15	1
Potassium	**28.6**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:15	1
Selenium	ND		0.025	0.0087	mg/L		11/18/14 08:57	11/22/14 13:15	1
Silver	ND		0.0060	0.0017	mg/L		11/18/14 08:57	11/22/14 13:15	1
Sodium	**49.8**		1.0	0.32	mg/L		11/18/14 08:57	11/22/14 13:15	1
Thallium	ND		0.020	0.010	mg/L		11/18/14 08:57	11/22/14 13:15	1
Vanadium	ND		0.0050	0.0015	mg/L		11/18/14 08:57	11/22/14 13:15	1
Zinc	**0.0025**	**J B**	0.010	0.0015	mg/L		11/18/14 08:57	11/22/14 13:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/19/14 09:40	11/19/14 15:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/26/14 08:43	11/26/14 13:17	1
Cyanide, Available	**0.0018**	**J**	0.0020	0.0018	mg/L			11/25/14 14:20	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB16-1114-F
Date Collected: 11/17/14 11:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/19/14 02:04	12/06/14 16:12	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/19/14 02:04	12/06/14 16:12	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/19/14 02:04	12/06/14 16:12	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/19/14 02:04	12/06/14 16:12	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/19/14 02:04	12/06/14 16:12	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/19/14 02:04	12/06/14 16:12	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 16:12	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/19/14 02:04	12/06/14 16:12	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/19/14 02:04	12/06/14 16:12	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/19/14 02:04	12/06/14 16:12	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 16:12	1
2-Nitroaniline	ND		10	0.42	ug/L		11/19/14 02:04	12/06/14 16:12	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/19/14 02:04	12/06/14 16:12	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 16:12	1
3-Nitroaniline	ND		10	0.48	ug/L		11/19/14 02:04	12/06/14 16:12	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/19/14 02:04	12/06/14 16:12	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/19/14 02:04	12/06/14 16:12	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/19/14 02:04	12/06/14 16:12	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/19/14 02:04	12/06/14 16:12	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/19/14 02:04	12/06/14 16:12	1
4-Methylphenol	**0.68**	**J**	10	0.36	ug/L		11/19/14 02:04	12/06/14 16:12	1
4-Nitroaniline	ND		10	0.25	ug/L		11/19/14 02:04	12/06/14 16:12	1
4-Nitrophenol	ND		10	1.5	ug/L		11/19/14 02:04	12/06/14 16:12	1
Acenaphthene	ND		5.0	0.41	ug/L		11/19/14 02:04	12/06/14 16:12	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/19/14 02:04	12/06/14 16:12	1
Acetophenone	ND		5.0	0.54	ug/L		11/19/14 02:04	12/06/14 16:12	1
Anthracene	ND		5.0	0.28	ug/L		11/19/14 02:04	12/06/14 16:12	1
Atrazine	ND		5.0	0.46	ug/L		11/19/14 02:04	12/06/14 16:12	1
Benzaldehyde	**1.2**	**J B**	5.0	0.27	ug/L		11/19/14 02:04	12/06/14 16:12	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/19/14 02:04	12/06/14 16:12	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/19/14 02:04	12/06/14 16:12	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/19/14 02:04	12/06/14 16:12	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/19/14 02:04	12/06/14 16:12	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/19/14 02:04	12/06/14 16:12	1
Biphenyl	ND		5.0	0.65	ug/L		11/19/14 02:04	12/06/14 16:12	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/19/14 02:04	12/06/14 16:12	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/19/14 02:04	12/06/14 16:12	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 16:12	1
Bis(2-ethylhexyl) phthalate	**6.9**	**B**	5.0	1.8	ug/L		11/19/14 02:04	12/06/14 16:12	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		11/19/14 02:04	12/06/14 16:12	1
Caprolactam	ND		5.0	2.2	ug/L		11/19/14 02:04	12/06/14 16:12	1
Carbazole	ND	*	5.0	0.30	ug/L		11/19/14 02:04	12/06/14 16:12	1
Chrysene	ND		5.0	0.33	ug/L		11/19/14 02:04	12/06/14 16:12	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/19/14 02:04	12/06/14 16:12	1
Dibenzofuran	ND		10	0.51	ug/L		11/19/14 02:04	12/06/14 16:12	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/19/14 02:04	12/06/14 16:12	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/19/14 02:04	12/06/14 16:12	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/19/14 02:04	12/06/14 16:12	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/19/14 02:04	12/06/14 16:12	1

Client Sample ID: SW-CB16-1114-F
Date Collected: 11/17/14 11:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 16:12	1
Fluorene	ND		5.0	0.36	ug/L		11/19/14 02:04	12/06/14 16:12	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/19/14 02:04	12/06/14 16:12	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/19/14 02:04	12/06/14 16:12	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/19/14 02:04	12/06/14 16:12	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/19/14 02:04	12/06/14 16:12	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/19/14 02:04	12/06/14 16:12	1
Isophorone	ND		5.0	0.43	ug/L		11/19/14 02:04	12/06/14 16:12	1
Naphthalene	ND		5.0	0.76	ug/L		11/19/14 02:04	12/06/14 16:12	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/19/14 02:04	12/06/14 16:12	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/19/14 02:04	12/06/14 16:12	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/19/14 02:04	12/06/14 16:12	1
Pentachlorophenol	ND		10	2.2	ug/L		11/19/14 02:04	12/06/14 16:12	1
Phenanthrene	ND		5.0	0.44	ug/L		11/19/14 02:04	12/06/14 16:12	1
Phenol	**0.84**	**J**	5.0	0.39	ug/L		11/19/14 02:04	12/06/14 16:12	1
Pyrene	ND		5.0	0.34	ug/L		11/19/14 02:04	12/06/14 16:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.6*	*T J*	*ug/L*		*4.76*		*11/19/14 02:04*	*12/06/14 16:12*	*1*
Unknown	*32*	*T J*	*ug/L*		*4.79*		*11/19/14 02:04*	*12/06/14 16:12*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*6.06*		*11/19/14 02:04*	*12/06/14 16:12*	*1*
n-Octadecane	*8.1*		*ug/L*		*6.12*	*593-45-3*	*11/19/14 02:04*	*12/06/14 16:12*	*1*
Octanoic Acid	*3.1*	*T J N*	*ug/L*		*6.93*	*124-07-2*	*11/19/14 02:04*	*12/06/14 16:12*	*1*
Benzoic acid, 2,6-dichloro-	*2.8*	*T J N*	*ug/L*		*8.64*	*50-30-6*	*11/19/14 02:04*	*12/06/14 16:12*	*1*
n-Hexadecanoic acid	*18*	*T J N*	*ug/L*		*10.26*	*57-10-3*	*11/19/14 02:04*	*12/06/14 16:12*	*1*
Unknown	*17*	*T J*	*ug/L*		*10.85*		*11/19/14 02:04*	*12/06/14 16:12*	*1*
Octadecanoic acid	*11*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*11/19/14 02:04*	*12/06/14 16:12*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*11.34*		*11/19/14 02:04*	*12/06/14 16:12*	*1*
9-Octadecenamide	*95*	*J E*	*ug/L*		*11.70*	*301-02-0*	*11/19/14 02:04*	*12/06/14 16:12*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*12.03*		*11/19/14 02:04*	*12/06/14 16:12*	*1*
Unknown	*9.9*	*T J*	*ug/L*		*12.29*		*11/19/14 02:04*	*12/06/14 16:12*	*1*
Unknown	*13*	*T J*	*ug/L*		*12.69*		*11/19/14 02:04*	*12/06/14 16:12*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*13.11*		*11/19/14 02:04*	*12/06/14 16:12*	*1*
Unknown	*22*	*T J*	*ug/L*		*13.40*		*11/19/14 02:04*	*12/06/14 16:12*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*14.67*		*11/19/14 02:04*	*12/06/14 16:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*52 - 132*	*11/19/14 02:04*	*12/06/14 16:12*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*11/19/14 02:04*	*12/06/14 16:12*	*1*
2-Fluorophenol (Surr)	*108*		*20 - 120*	*11/19/14 02:04*	*12/06/14 16:12*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 120*	*11/19/14 02:04*	*12/06/14 16:12*	*1*
Phenol-d5 (Surr)	*66*		*16 - 120*	*11/19/14 02:04*	*12/06/14 16:12*	*1*
p-Terphenyl-d14 (Surr)	*90*		*67 - 150*	*11/19/14 02:04*	*12/06/14 16:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND	^	0.20	0.060	mg/L		11/18/14 08:57	11/22/14 13:18	1
Antimony	ND		0.020	0.0068	mg/L		11/18/14 08:57	11/22/14 13:18	1
Arsenic	ND		0.015	0.0056	mg/L		11/18/14 08:57	11/22/14 13:18	1
Barium	**0.15**		0.0020	0.00070	mg/L		11/18/14 08:57	11/22/14 13:18	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB16-1114-F
Date Collected: 11/17/14 11:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		11/18/14 08:57	11/22/14 13:18	1
Cadmium	ND		0.0020	0.00050	mg/L		11/18/14 08:57	11/22/14 13:18	1
Calcium	**200**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:18	1
Chromium	ND		0.0040	0.0010	mg/L		11/18/14 08:57	11/22/14 13:18	1
Cobalt	ND		0.0040	0.00063	mg/L		11/18/14 08:57	11/22/14 13:18	1
Copper	ND		0.010	0.0016	mg/L		11/18/14 08:57	11/22/14 13:18	1
Iron	ND		0.050	0.019	mg/L		11/18/14 08:57	11/22/14 13:18	1
Lead	ND		0.010	0.0030	mg/L		11/18/14 08:57	11/22/14 13:18	1
Magnesium	**0.13**	**J**	0.20	0.043	mg/L		11/18/14 08:57	11/22/14 13:18	1
Manganese	ND		0.0030	0.00040	mg/L		11/18/14 08:57	11/22/14 13:18	1
Nickel	ND		0.010	0.0013	mg/L		11/18/14 08:57	11/22/14 13:18	1
Potassium	**28.3**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:18	1
Selenium	ND		0.025	0.0087	mg/L		11/18/14 08:57	11/22/14 13:18	1
Silver	ND		0.0060	0.0017	mg/L		11/18/14 08:57	11/22/14 13:18	1
Sodium	**49.5**		1.0	0.32	mg/L		11/18/14 08:57	11/22/14 13:18	1
Thallium	ND		0.020	0.010	mg/L		11/18/14 08:57	11/22/14 13:18	1
Vanadium	ND		0.0050	0.0015	mg/L		11/18/14 08:57	11/22/14 13:18	1
Zinc	**0.0015**	**J B**	0.010	0.0015	mg/L		11/18/14 08:57	11/22/14 13:18	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/19/14 09:40	11/19/14 15:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/26/14 08:43	11/26/14 13:19	1
Cyanide, Available	**0.0023**		0.0020	0.0018	mg/L			11/25/14 14:21	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB20-1114-U
Date Collected: 11/17/14 12:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.48	ug/L		11/19/14 02:04	12/06/14 16:38	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		11/19/14 02:04	12/06/14 16:38	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		11/19/14 02:04	12/06/14 16:38	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		11/19/14 02:04	12/06/14 16:38	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		11/19/14 02:04	12/06/14 16:38	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		11/19/14 02:04	12/06/14 16:38	1
2,6-Dinitrotoluene	ND		4.9	0.40	ug/L		11/19/14 02:04	12/06/14 16:38	1
2-Chloronaphthalene	ND		4.9	0.46	ug/L		11/19/14 02:04	12/06/14 16:38	1
2-Chlorophenol	ND		4.9	0.52	ug/L		11/19/14 02:04	12/06/14 16:38	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		11/19/14 02:04	12/06/14 16:38	1
2-Methylphenol	ND		4.9	0.40	ug/L		11/19/14 02:04	12/06/14 16:38	1
2-Nitroaniline	ND		9.9	0.42	ug/L		11/19/14 02:04	12/06/14 16:38	1
2-Nitrophenol	ND		4.9	0.48	ug/L		11/19/14 02:04	12/06/14 16:38	1
3,3'-Dichlorobenzidine	ND		4.9	0.40	ug/L		11/19/14 02:04	12/06/14 16:38	1
3-Nitroaniline	ND		9.9	0.48	ug/L		11/19/14 02:04	12/06/14 16:38	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		11/19/14 02:04	12/06/14 16:38	1
4-Bromophenyl phenyl ether	ND		4.9	0.45	ug/L		11/19/14 02:04	12/06/14 16:38	1
4-Chloro-3-methylphenol	ND		4.9	0.45	ug/L		11/19/14 02:04	12/06/14 16:38	1
4-Chloroaniline	ND		4.9	0.58	ug/L		11/19/14 02:04	12/06/14 16:38	1
4-Chlorophenyl phenyl ether	ND		4.9	0.35	ug/L		11/19/14 02:04	12/06/14 16:38	1
4-Methylphenol	**0.71**	**J**	9.9	0.36	ug/L		11/19/14 02:04	12/06/14 16:38	1
4-Nitroaniline	ND		9.9	0.25	ug/L		11/19/14 02:04	12/06/14 16:38	1
4-Nitrophenol	ND		9.9	1.5	ug/L		11/19/14 02:04	12/06/14 16:38	1
Acenaphthene	ND		4.9	0.41	ug/L		11/19/14 02:04	12/06/14 16:38	1
Acenaphthylene	ND		4.9	0.38	ug/L		11/19/14 02:04	12/06/14 16:38	1
Acetophenone	ND		4.9	0.53	ug/L		11/19/14 02:04	12/06/14 16:38	1
Anthracene	ND		4.9	0.28	ug/L		11/19/14 02:04	12/06/14 16:38	1
Atrazine	ND		4.9	0.46	ug/L		11/19/14 02:04	12/06/14 16:38	1
Benzaldehyde	**0.95**	**J B**	4.9	0.26	ug/L		11/19/14 02:04	12/06/14 16:38	1
Benzo[a]anthracene	ND		4.9	0.36	ug/L		11/19/14 02:04	12/06/14 16:38	1
Benzo[a]pyrene	ND		4.9	0.47	ug/L		11/19/14 02:04	12/06/14 16:38	1
Benzo[b]fluoranthene	ND		4.9	0.34	ug/L		11/19/14 02:04	12/06/14 16:38	1
Benzo[g,h,i]perylene	ND		4.9	0.35	ug/L		11/19/14 02:04	12/06/14 16:38	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		11/19/14 02:04	12/06/14 16:38	1
Biphenyl	ND		4.9	0.65	ug/L		11/19/14 02:04	12/06/14 16:38	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		11/19/14 02:04	12/06/14 16:38	1
Bis(2-chloroethoxy)methane	ND		4.9	0.35	ug/L		11/19/14 02:04	12/06/14 16:38	1
Bis(2-chloroethyl)ether	ND		4.9	0.40	ug/L		11/19/14 02:04	12/06/14 16:38	1
Bis(2-ethylhexyl) phthalate	**5.1**	**B**	4.9	1.8	ug/L		11/19/14 02:04	12/06/14 16:38	1
Butyl benzyl phthalate	ND		4.9	0.42	ug/L		11/19/14 02:04	12/06/14 16:38	1
Caprolactam	ND		4.9	2.2	ug/L		11/19/14 02:04	12/06/14 16:38	1
Carbazole	ND	*	4.9	0.30	ug/L		11/19/14 02:04	12/06/14 16:38	1
Chrysene	ND		4.9	0.33	ug/L		11/19/14 02:04	12/06/14 16:38	1
Dibenz(a,h)anthracene	ND		4.9	0.42	ug/L		11/19/14 02:04	12/06/14 16:38	1
Dibenzofuran	ND		9.9	0.50	ug/L		11/19/14 02:04	12/06/14 16:38	1
Diethyl phthalate	ND		4.9	0.22	ug/L		11/19/14 02:04	12/06/14 16:38	1
Dimethyl phthalate	ND		4.9	0.36	ug/L		11/19/14 02:04	12/06/14 16:38	1
Di-n-butyl phthalate	ND		4.9	0.31	ug/L		11/19/14 02:04	12/06/14 16:38	1
Di-n-octyl phthalate	ND		4.9	0.47	ug/L		11/19/14 02:04	12/06/14 16:38	1

Client Sample ID: SW-CB20-1114-U
Date Collected: 11/17/14 12:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.40	ug/L		11/19/14 02:04	12/06/14 16:38	1
Fluorene	ND		4.9	0.36	ug/L		11/19/14 02:04	12/06/14 16:38	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		11/19/14 02:04	12/06/14 16:38	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		11/19/14 02:04	12/06/14 16:38	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		11/19/14 02:04	12/06/14 16:38	1
Hexachloroethane	ND		4.9	0.58	ug/L		11/19/14 02:04	12/06/14 16:38	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.47	ug/L		11/19/14 02:04	12/06/14 16:38	1
Isophorone	ND		4.9	0.43	ug/L		11/19/14 02:04	12/06/14 16:38	1
Naphthalene	ND		4.9	0.75	ug/L		11/19/14 02:04	12/06/14 16:38	1
Nitrobenzene	ND		4.9	0.29	ug/L		11/19/14 02:04	12/06/14 16:38	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		11/19/14 02:04	12/06/14 16:38	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		11/19/14 02:04	12/06/14 16:38	1
Pentachlorophenol	ND		9.9	2.2	ug/L		11/19/14 02:04	12/06/14 16:38	1
Phenanthrene	ND		4.9	0.44	ug/L		11/19/14 02:04	12/06/14 16:38	1
Phenol	**0.90**	**J**	4.9	0.39	ug/L		11/19/14 02:04	12/06/14 16:38	1
Pyrene	ND		4.9	0.34	ug/L		11/19/14 02:04	12/06/14 16:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*110*	*T J*	*ug/L*		*4.82*		*11/19/14 02:04*	*12/06/14 16:38*	*1*
n-Octadecane	*8.8*		*ug/L*		*6.13*	*593-45-3*	*11/19/14 02:04*	*12/06/14 16:38*	*1*
Cyclopentasiloxane, decamethyl-	*1.9*	*T J N*	*ug/L*		*6.69*	*541-02-6*	*11/19/14 02:04*	*12/06/14 16:38*	*1*
Octanoic Acid	*2.6*	*T J N*	*ug/L*		*6.93*	*124-07-2*	*11/19/14 02:04*	*12/06/14 16:38*	*1*
Benzoic acid, 2,6-dichloro-	*3.8*	*T J N*	*ug/L*		*8.64*	*50-30-6*	*11/19/14 02:04*	*12/06/14 16:38*	*1*
Unknown	*22*	*T J*	*ug/L*		*10.85*		*11/19/14 02:04*	*12/06/14 16:38*	*1*
Octadecanoic acid	*6.3*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*11/19/14 02:04*	*12/06/14 16:38*	*1*
Unknown	*5.5*	*T J*	*ug/L*		*11.34*		*11/19/14 02:04*	*12/06/14 16:38*	*1*
Unknown	*14*	*T J*	*ug/L*		*11.70*		*11/19/14 02:04*	*12/06/14 16:38*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*12.03*		*11/19/14 02:04*	*12/06/14 16:38*	*1*
Unknown	*14*	*T J*	*ug/L*		*12.29*		*11/19/14 02:04*	*12/06/14 16:38*	*1*
Unknown	*20*	*T J*	*ug/L*		*12.69*		*11/19/14 02:04*	*12/06/14 16:38*	*1*
Unknown	*6.9*	*T J*	*ug/L*		*13.10*		*11/19/14 02:04*	*12/06/14 16:38*	*1*
Unknown	*27*	*T J*	*ug/L*		*13.41*		*11/19/14 02:04*	*12/06/14 16:38*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*14.36*		*11/19/14 02:04*	*12/06/14 16:38*	*1*
Unknown	*19*	*T J*	*ug/L*		*14.71*		*11/19/14 02:04*	*12/06/14 16:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*11/19/14 02:04*	*12/06/14 16:38*	*1*
2-Fluorobiphenyl	*81*		*48 - 120*	*11/19/14 02:04*	*12/06/14 16:38*	*1*
2-Fluorophenol (Surr)	*106*		*20 - 120*	*11/19/14 02:04*	*12/06/14 16:38*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 120*	*11/19/14 02:04*	*12/06/14 16:38*	*1*
Phenol-d5 (Surr)	*65*		*16 - 120*	*11/19/14 02:04*	*12/06/14 16:38*	*1*
p-Terphenyl-d14 (Surr)	*94*		*67 - 150*	*11/19/14 02:04*	*12/06/14 16:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.19**	**J ^**	0.20	0.060	mg/L		11/18/14 08:57	11/22/14 13:20	1
Antimony	ND		0.020	0.0068	mg/L		11/18/14 08:57	11/22/14 13:20	1
Arsenic	ND		0.015	0.0056	mg/L		11/18/14 08:57	11/22/14 13:20	1
Barium	**0.16**		0.0020	0.00070	mg/L		11/18/14 08:57	11/22/14 13:20	1
Beryllium	ND		0.0020	0.00030	mg/L		11/18/14 08:57	11/22/14 13:20	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB20-1114-U
Date Collected: 11/17/14 12:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-6
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		11/18/14 08:57	11/22/14 13:20	1
Calcium	**232**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:20	1
Chromium	ND		0.0040	0.0010	mg/L		11/18/14 08:57	11/22/14 13:20	1
Cobalt	ND		0.0040	0.00063	mg/L		11/18/14 08:57	11/22/14 13:20	1
Copper	ND		0.010	0.0016	mg/L		11/18/14 08:57	11/22/14 13:20	1
Iron	**0.027**	**J**	0.050	0.019	mg/L		11/18/14 08:57	11/22/14 13:20	1
Lead	ND		0.010	0.0030	mg/L		11/18/14 08:57	11/22/14 13:20	1
Magnesium	**0.99**		0.20	0.043	mg/L		11/18/14 08:57	11/22/14 13:20	1
Manganese	**0.042**		0.0030	0.00040	mg/L		11/18/14 08:57	11/22/14 13:20	1
Nickel	ND		0.010	0.0013	mg/L		11/18/14 08:57	11/22/14 13:20	1
Potassium	**31.5**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:20	1
Selenium	ND		0.025	0.0087	mg/L		11/18/14 08:57	11/22/14 13:20	1
Silver	ND		0.0060	0.0017	mg/L		11/18/14 08:57	11/22/14 13:20	1
Sodium	**50.2**		1.0	0.32	mg/L		11/18/14 08:57	11/22/14 13:20	1
Thallium	ND		0.020	0.010	mg/L		11/18/14 08:57	11/22/14 13:20	1
Vanadium	ND		0.0050	0.0015	mg/L		11/18/14 08:57	11/22/14 13:20	1
Zinc	**0.0069**	**J B**	0.010	0.0015	mg/L		11/18/14 08:57	11/22/14 13:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/19/14 09:40	11/19/14 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/26/14 08:43	11/26/14 13:21	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 14:23	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB20-1114-F
Date Collected: 11/17/14 13:00
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/19/14 02:04	12/06/14 17:04	1
2,4,6-Trichlorophenol	ND		5.0	0.60	ug/L		11/19/14 02:04	12/06/14 17:04	1
2,4-Dichlorophenol	ND		5.0	0.50	ug/L		11/19/14 02:04	12/06/14 17:04	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/19/14 02:04	12/06/14 17:04	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		11/19/14 02:04	12/06/14 17:04	1
2,4-Dinitrotoluene	ND		5.0	0.44	ug/L		11/19/14 02:04	12/06/14 17:04	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 17:04	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/19/14 02:04	12/06/14 17:04	1
2-Chlorophenol	ND		5.0	0.52	ug/L		11/19/14 02:04	12/06/14 17:04	1
2-Methylnaphthalene	ND		5.0	0.59	ug/L		11/19/14 02:04	12/06/14 17:04	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 17:04	1
2-Nitroaniline	ND		9.9	0.42	ug/L		11/19/14 02:04	12/06/14 17:04	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/19/14 02:04	12/06/14 17:04	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 17:04	1
3-Nitroaniline	ND		9.9	0.48	ug/L		11/19/14 02:04	12/06/14 17:04	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		11/19/14 02:04	12/06/14 17:04	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/19/14 02:04	12/06/14 17:04	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/19/14 02:04	12/06/14 17:04	1
4-Chloroaniline	ND		5.0	0.58	ug/L		11/19/14 02:04	12/06/14 17:04	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/19/14 02:04	12/06/14 17:04	1
4-Methylphenol	**0.66**	**J**	9.9	0.36	ug/L		11/19/14 02:04	12/06/14 17:04	1
4-Nitroaniline	ND		9.9	0.25	ug/L		11/19/14 02:04	12/06/14 17:04	1
4-Nitrophenol	ND		9.9	1.5	ug/L		11/19/14 02:04	12/06/14 17:04	1
Acenaphthene	ND		5.0	0.41	ug/L		11/19/14 02:04	12/06/14 17:04	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/19/14 02:04	12/06/14 17:04	1
Acetophenone	ND		5.0	0.53	ug/L		11/19/14 02:04	12/06/14 17:04	1
Anthracene	ND		5.0	0.28	ug/L		11/19/14 02:04	12/06/14 17:04	1
Atrazine	ND		5.0	0.46	ug/L		11/19/14 02:04	12/06/14 17:04	1
Benzaldehyde	ND		5.0	0.26	ug/L		11/19/14 02:04	12/06/14 17:04	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/19/14 02:04	12/06/14 17:04	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/19/14 02:04	12/06/14 17:04	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/19/14 02:04	12/06/14 17:04	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/19/14 02:04	12/06/14 17:04	1
Benzo[k]fluoranthene	ND		5.0	0.72	ug/L		11/19/14 02:04	12/06/14 17:04	1
Biphenyl	ND		5.0	0.65	ug/L		11/19/14 02:04	12/06/14 17:04	1
bis (2-chloroisopropyl) ether	ND		5.0	0.51	ug/L		11/19/14 02:04	12/06/14 17:04	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/19/14 02:04	12/06/14 17:04	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 17:04	1
Bis(2-ethylhexyl) phthalate	**5.3**	**B**	5.0	1.8	ug/L		11/19/14 02:04	12/06/14 17:04	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		11/19/14 02:04	12/06/14 17:04	1
Caprolactam	ND		5.0	2.2	ug/L		11/19/14 02:04	12/06/14 17:04	1
Carbazole	ND	*	5.0	0.30	ug/L		11/19/14 02:04	12/06/14 17:04	1
Chrysene	ND		5.0	0.33	ug/L		11/19/14 02:04	12/06/14 17:04	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/19/14 02:04	12/06/14 17:04	1
Dibenzofuran	ND		9.9	0.50	ug/L		11/19/14 02:04	12/06/14 17:04	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/19/14 02:04	12/06/14 17:04	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/19/14 02:04	12/06/14 17:04	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/19/14 02:04	12/06/14 17:04	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/19/14 02:04	12/06/14 17:04	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB20-1114-F
Date Collected: 11/17/14 13:00
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		11/19/14 02:04	12/06/14 17:04	1
Fluorene	ND		5.0	0.36	ug/L		11/19/14 02:04	12/06/14 17:04	1
Hexachlorobenzene	ND		5.0	0.50	ug/L		11/19/14 02:04	12/06/14 17:04	1
Hexachlorobutadiene	ND		5.0	0.67	ug/L		11/19/14 02:04	12/06/14 17:04	1
Hexachlorocyclopentadiene	ND		5.0	0.58	ug/L		11/19/14 02:04	12/06/14 17:04	1
Hexachloroethane	ND		5.0	0.58	ug/L		11/19/14 02:04	12/06/14 17:04	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/19/14 02:04	12/06/14 17:04	1
Isophorone	ND		5.0	0.43	ug/L		11/19/14 02:04	12/06/14 17:04	1
Naphthalene	ND		5.0	0.75	ug/L		11/19/14 02:04	12/06/14 17:04	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/19/14 02:04	12/06/14 17:04	1
N-Nitrosodi-n-propylamine	ND		5.0	0.53	ug/L		11/19/14 02:04	12/06/14 17:04	1
N-Nitrosodiphenylamine	ND		5.0	0.50	ug/L		11/19/14 02:04	12/06/14 17:04	1
Pentachlorophenol	ND		9.9	2.2	ug/L		11/19/14 02:04	12/06/14 17:04	1
Phenanthrene	ND		5.0	0.44	ug/L		11/19/14 02:04	12/06/14 17:04	1
Phenol	**0.84**	**J**	5.0	0.39	ug/L		11/19/14 02:04	12/06/14 17:04	1
Pyrene	ND		5.0	0.34	ug/L		11/19/14 02:04	12/06/14 17:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*76*	*T J*	*ug/L*		*4.81*		*11/19/14 02:04*	*12/06/14 17:04*	*1*
Benzene, 1,2-dimethyl-	*4.0*	*T J N*	*ug/L*		*5.05*	*95-47-6*	*11/19/14 02:04*	*12/06/14 17:04*	*1*
Decane	*3.5*	*T J N*	*ug/L*		*5.94*	*124-18-5*	*11/19/14 02:04*	*12/06/14 17:04*	*1*
n-Octadecane	*8.0*		*ug/L*		*6.13*	*593-45-3*	*11/19/14 02:04*	*12/06/14 17:04*	*1*
n-Hexadecanoic acid	*9.1*	*T J N*	*ug/L*		*10.26*	*57-10-3*	*11/19/14 02:04*	*12/06/14 17:04*	*1*
Unknown	*20*	*T J*	*ug/L*		*10.85*		*11/19/14 02:04*	*12/06/14 17:04*	*1*
Octadecanoic acid	*7.9*	*T J N*	*ug/L*		*10.90*	*57-11-4*	*11/19/14 02:04*	*12/06/14 17:04*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*11.35*		*11/19/14 02:04*	*12/06/14 17:04*	*1*
Unknown	*11*	*T J*	*ug/L*		*11.70*		*11/19/14 02:04*	*12/06/14 17:04*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*12.04*		*11/19/14 02:04*	*12/06/14 17:04*	*1*
Unknown	*13*	*T J*	*ug/L*		*12.29*		*11/19/14 02:04*	*12/06/14 17:04*	*1*
Unknown	*5.4*	*T J*	*ug/L*		*12.69*		*11/19/14 02:04*	*12/06/14 17:04*	*1*
Unknown	*7.0*	*T J*	*ug/L*		*13.10*		*11/19/14 02:04*	*12/06/14 17:04*	*1*
Unknown	*28*	*T J*	*ug/L*		*13.41*		*11/19/14 02:04*	*12/06/14 17:04*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*14.36*		*11/19/14 02:04*	*12/06/14 17:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*52 - 132*	*11/19/14 02:04*	*12/06/14 17:04*	*1*
2-Fluorobiphenyl	*81*		*48 - 120*	*11/19/14 02:04*	*12/06/14 17:04*	*1*
2-Fluorophenol (Surr)	*102*		*20 - 120*	*11/19/14 02:04*	*12/06/14 17:04*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 120*	*11/19/14 02:04*	*12/06/14 17:04*	*1*
Phenol-d5 (Surr)	*62*		*16 - 120*	*11/19/14 02:04*	*12/06/14 17:04*	*1*
p-Terphenyl-d14 (Surr)	*96*		*67 - 150*	*11/19/14 02:04*	*12/06/14 17:04*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.26**		0.20	0.060	mg/L		11/18/14 08:57	11/24/14 12:50	1
Antimony	ND		0.020	0.0068	mg/L		11/18/14 08:57	11/22/14 13:23	1
Arsenic	ND		0.015	0.0056	mg/L		11/18/14 08:57	11/22/14 13:23	1
Barium	**0.16**		0.0020	0.00070	mg/L		11/18/14 08:57	11/22/14 13:23	1
Beryllium	ND		0.0020	0.00030	mg/L		11/18/14 08:57	11/22/14 13:23	1
Cadmium	ND		0.0020	0.00050	mg/L		11/18/14 08:57	11/22/14 13:23	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB20-1114-F
Date Collected: 11/17/14 13:00
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-7
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**232**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:23	1
Chromium	ND		0.0040	0.0010	mg/L		11/18/14 08:57	11/22/14 13:23	1
Cobalt	ND		0.0040	0.00063	mg/L		11/18/14 08:57	11/22/14 13:23	1
Copper	ND		0.010	0.0016	mg/L		11/18/14 08:57	11/22/14 13:23	1
Iron	ND		0.050	0.019	mg/L		11/18/14 08:57	11/22/14 13:23	1
Lead	ND		0.010	0.0030	mg/L		11/18/14 08:57	11/22/14 13:23	1
Magnesium	**0.15**	**J**	0.20	0.043	mg/L		11/18/14 08:57	11/22/14 13:23	1
Manganese	**0.00060**	**J**	0.0030	0.00040	mg/L		11/18/14 08:57	11/22/14 13:23	1
Nickel	ND		0.010	0.0013	mg/L		11/18/14 08:57	11/22/14 13:23	1
Potassium	**31.7**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:23	1
Selenium	ND		0.025	0.0087	mg/L		11/18/14 08:57	11/22/14 13:23	1
Silver	ND		0.0060	0.0017	mg/L		11/18/14 08:57	11/22/14 13:23	1
Sodium	**50.8**		1.0	0.32	mg/L		11/18/14 08:57	11/22/14 13:23	1
Thallium	ND		0.020	0.010	mg/L		11/18/14 08:57	11/22/14 13:23	1
Vanadium	ND		0.0050	0.0015	mg/L		11/18/14 08:57	11/22/14 13:23	1
Zinc	**0.0017**	**J B**	0.010	0.0015	mg/L		11/18/14 08:57	11/22/14 13:23	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/19/14 09:40	11/19/14 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		11/26/14 08:43	11/26/14 13:22	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			11/25/14 14:24	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: GW-TP09-1114-U
Date Collected: 11/17/14 10:10
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		26	2.5	ug/L		11/19/14 02:04	12/08/14 14:53	5
2,4,6-Trichlorophenol	ND		26	3.1	ug/L		11/19/14 02:04	12/08/14 14:53	5
2,4-Dichlorophenol	ND		26	2.6	ug/L		11/19/14 02:04	12/08/14 14:53	5
2,4-Dimethylphenol	ND		26	2.6	ug/L		11/19/14 02:04	12/08/14 14:53	5
2,4-Dinitrophenol	ND		51	11	ug/L		11/19/14 02:04	12/08/14 14:53	5
2,4-Dinitrotoluene	ND		26	2.3	ug/L		11/19/14 02:04	12/08/14 14:53	5
2,6-Dinitrotoluene	ND		26	2.0	ug/L		11/19/14 02:04	12/08/14 14:53	5
2-Chloronaphthalene	ND		26	2.3	ug/L		11/19/14 02:04	12/08/14 14:53	5
2-Chlorophenol	ND		26	2.7	ug/L		11/19/14 02:04	12/08/14 14:53	5
2-Methylnaphthalene	ND		26	3.1	ug/L		11/19/14 02:04	12/08/14 14:53	5
2-Methylphenol	ND		26	2.0	ug/L		11/19/14 02:04	12/08/14 14:53	5
2-Nitroaniline	ND		51	2.1	ug/L		11/19/14 02:04	12/08/14 14:53	5
2-Nitrophenol	ND		26	2.5	ug/L		11/19/14 02:04	12/08/14 14:53	5
3,3'-Dichlorobenzidine	ND		26	2.0	ug/L		11/19/14 02:04	12/08/14 14:53	5
3-Nitroaniline	ND		51	2.5	ug/L		11/19/14 02:04	12/08/14 14:53	5
4,6-Dinitro-2-methylphenol	ND		51	11	ug/L		11/19/14 02:04	12/08/14 14:53	5
4-Bromophenyl phenyl ether	ND		26	2.3	ug/L		11/19/14 02:04	12/08/14 14:53	5
4-Chloro-3-methylphenol	ND		26	2.3	ug/L		11/19/14 02:04	12/08/14 14:53	5
4-Chloroaniline	ND		26	3.0	ug/L		11/19/14 02:04	12/08/14 14:53	5
4-Chlorophenyl phenyl ether	ND		26	1.8	ug/L		11/19/14 02:04	12/08/14 14:53	5
4-Methylphenol	**4.1**	**J**	51	1.8	ug/L		11/19/14 02:04	12/08/14 14:53	5
4-Nitroaniline	ND		51	1.3	ug/L		11/19/14 02:04	12/08/14 14:53	5
4-Nitrophenol	ND		51	7.8	ug/L		11/19/14 02:04	12/08/14 14:53	5
Acenaphthene	ND		26	2.1	ug/L		11/19/14 02:04	12/08/14 14:53	5
Acenaphthylene	ND		26	1.9	ug/L		11/19/14 02:04	12/08/14 14:53	5
Acetophenone	ND		26	2.8	ug/L		11/19/14 02:04	12/08/14 14:53	5
Anthracene	ND		26	1.4	ug/L		11/19/14 02:04	12/08/14 14:53	5
Atrazine	ND		26	2.3	ug/L		11/19/14 02:04	12/08/14 14:53	5
Benzaldehyde	**1.7**	**J B**	26	1.4	ug/L		11/19/14 02:04	12/08/14 14:53	5
Benzo[a]anthracene	ND		26	1.8	ug/L		11/19/14 02:04	12/08/14 14:53	5
Benzo[a]pyrene	ND		26	2.4	ug/L		11/19/14 02:04	12/08/14 14:53	5
Benzo[b]fluoranthene	ND		26	1.7	ug/L		11/19/14 02:04	12/08/14 14:53	5
Benzo[g,h,i]perylene	ND		26	1.8	ug/L		11/19/14 02:04	12/08/14 14:53	5
Benzo[k]fluoranthene	ND		26	3.7	ug/L		11/19/14 02:04	12/08/14 14:53	5
Biphenyl	ND		26	3.3	ug/L		11/19/14 02:04	12/08/14 14:53	5
bis (2-chloroisopropyl) ether	ND		26	2.7	ug/L		11/19/14 02:04	12/08/14 14:53	5
Bis(2-chloroethoxy)methane	ND		26	1.8	ug/L		11/19/14 02:04	12/08/14 14:53	5
Bis(2-chloroethyl)ether	ND		26	2.0	ug/L		11/19/14 02:04	12/08/14 14:53	5
Bis(2-ethylhexyl) phthalate	ND		26	9.2	ug/L		11/19/14 02:04	12/08/14 14:53	5
Butyl benzyl phthalate	ND		26	2.1	ug/L		11/19/14 02:04	12/08/14 14:53	5
Caprolactam	ND		26	11	ug/L		11/19/14 02:04	12/08/14 14:53	5
Carbazole	ND	*	26	1.5	ug/L		11/19/14 02:04	12/08/14 14:53	5
Chrysene	ND		26	1.7	ug/L		11/19/14 02:04	12/08/14 14:53	5
Dibenz(a,h)anthracene	ND		26	2.1	ug/L		11/19/14 02:04	12/08/14 14:53	5
Dibenzofuran	ND		51	2.6	ug/L		11/19/14 02:04	12/08/14 14:53	5
Diethyl phthalate	ND		26	1.1	ug/L		11/19/14 02:04	12/08/14 14:53	5
Dimethyl phthalate	ND		26	1.8	ug/L		11/19/14 02:04	12/08/14 14:53	5
Di-n-butyl phthalate	ND		26	1.6	ug/L		11/19/14 02:04	12/08/14 14:53	5
Di-n-octyl phthalate	ND		26	2.4	ug/L		11/19/14 02:04	12/08/14 14:53	5

Client Sample ID: GW-TP09-1114-U
Date Collected: 11/17/14 10:10
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		26	2.0	ug/L		11/19/14 02:04	12/08/14 14:53	5
Fluorene	ND		26	1.8	ug/L		11/19/14 02:04	12/08/14 14:53	5
Hexachlorobenzene	ND		26	2.6	ug/L		11/19/14 02:04	12/08/14 14:53	5
Hexachlorobutadiene	ND		26	3.5	ug/L		11/19/14 02:04	12/08/14 14:53	5
Hexachlorocyclopentadiene	ND		26	3.0	ug/L		11/19/14 02:04	12/08/14 14:53	5
Hexachloroethane	ND		26	3.0	ug/L		11/19/14 02:04	12/08/14 14:53	5
Indeno[1,2,3-cd]pyrene	ND		26	2.4	ug/L		11/19/14 02:04	12/08/14 14:53	5
Isophorone	ND		26	2.2	ug/L		11/19/14 02:04	12/08/14 14:53	5
Naphthalene	ND		26	3.9	ug/L		11/19/14 02:04	12/08/14 14:53	5
Nitrobenzene	ND		26	1.5	ug/L		11/19/14 02:04	12/08/14 14:53	5
N-Nitrosodi-n-propylamine	ND		26	2.8	ug/L		11/19/14 02:04	12/08/14 14:53	5
N-Nitrosodiphenylamine	ND		26	2.6	ug/L		11/19/14 02:04	12/08/14 14:53	5
Pentachlorophenol	ND		51	11	ug/L		11/19/14 02:04	12/08/14 14:53	5
Phenanthrene	ND		26	2.2	ug/L		11/19/14 02:04	12/08/14 14:53	5
Phenol	**55**		26	2.0	ug/L		11/19/14 02:04	12/08/14 14:53	5
Pyrene	ND		26	1.7	ug/L		11/19/14 02:04	12/08/14 14:53	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3000*	*T J*	*ug/L*		*2.63*		*11/19/14 02:04*	*12/08/14 14:53*	*5*
Ethene, 1,2-dichloro-, (E)-	*12*	*T J N*	*ug/L*		*2.71*	*156-60-5*	*11/19/14 02:04*	*12/08/14 14:53*	*5*
Cyclohexane	*28*	*T J N*	*ug/L*		*3.20*	*110-82-7*	*11/19/14 02:04*	*12/08/14 14:53*	*5*
Unknown	*120*	*T J*	*ug/L*		*3.29*		*11/19/14 02:04*	*12/08/14 14:53*	*5*
Unknown	*13*	*T J*	*ug/L*		*4.69*		*11/19/14 02:04*	*12/08/14 14:53*	*5*
Unknown	*22*	*T J*	*ug/L*		*4.79*		*11/19/14 02:04*	*12/08/14 14:53*	*5*
Butanoic acid, 2-methyl-	*17*	*T J N*	*ug/L*		*4.91*	*116-53-0*	*11/19/14 02:04*	*12/08/14 14:53*	*5*
Cyclotetrasiloxane, octamethyl-	*11*	*T J N*	*ug/L*		*5.73*	*556-67-2*	*11/19/14 02:04*	*12/08/14 14:53*	*5*
Cyclopentasiloxane, decamethyl-	*9.1*	*T J N*	*ug/L*		*6.66*	*541-02-6*	*11/19/14 02:04*	*12/08/14 14:53*	*5*
Unknown	*35*	*T J*	*ug/L*		*7.36*		*11/19/14 02:04*	*12/08/14 14:53*	*5*
n-Hexadecanoic acid	*18*	*T J N*	*ug/L*		*10.22*	*57-10-3*	*11/19/14 02:04*	*12/08/14 14:53*	*5*
Octadecanoic acid	*24*	*T J N*	*ug/L*		*10.88*	*57-11-4*	*11/19/14 02:04*	*12/08/14 14:53*	*5*
Unknown	*18*	*T J*	*ug/L*		*11.31*		*11/19/14 02:04*	*12/08/14 14:53*	*5*
Unknown	*16*	*T J*	*ug/L*		*11.66*		*11/19/14 02:04*	*12/08/14 14:53*	*5*
Unknown	*43*	*T J*	*ug/L*		*12.25*		*11/19/14 02:04*	*12/08/14 14:53*	*5*
Unknown	*14*	*T J*	*ug/L*		*13.06*		*11/19/14 02:04*	*12/08/14 14:53*	*5*
Unknown	*49*	*T J*	*ug/L*		*13.36*		*11/19/14 02:04*	*12/08/14 14:53*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*41*	*X*	*52 - 132*	*11/19/14 02:04*	*12/08/14 14:53*	*5*
2-Fluorobiphenyl	*38*	*X*	*48 - 120*	*11/19/14 02:04*	*12/08/14 14:53*	*5*
2-Fluorophenol (Surr)	*54*		*20 - 120*	*11/19/14 02:04*	*12/08/14 14:53*	*5*
Nitrobenzene-d5 (Surr)	*39*	*X*	*46 - 120*	*11/19/14 02:04*	*12/08/14 14:53*	*5*
Phenol-d5 (Surr)	*43*		*16 - 120*	*11/19/14 02:04*	*12/08/14 14:53*	*5*
p-Terphenyl-d14 (Surr)	*40*	*X*	*67 - 150*	*11/19/14 02:04*	*12/08/14 14:53*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7.0**		0.20	0.060	mg/L		11/18/14 08:57	11/24/14 12:53	1
Antimony	ND		0.020	0.0068	mg/L		11/18/14 08:57	11/22/14 13:35	1
Arsenic	**0.096**		0.015	0.0056	mg/L		11/18/14 08:57	11/22/14 13:35	1
Barium	**0.0096**		0.0020	0.00070	mg/L		11/18/14 08:57	11/22/14 13:35	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: GW-TP09-1114-U
Date Collected: 11/17/14 10:10
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-8
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		11/18/14 08:57	11/22/14 13:35	1
Cadmium	ND		0.0020	0.00050	mg/L		11/18/14 08:57	11/22/14 13:35	1
Calcium	**45.6**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:35	1
Chromium	**0.034**		0.0040	0.0010	mg/L		11/18/14 08:57	11/22/14 13:35	1
Cobalt	**0.0028**	**J**	0.0040	0.00063	mg/L		11/18/14 08:57	11/22/14 13:35	1
Copper	**0.0050**	**J**	0.010	0.0016	mg/L		11/18/14 08:57	11/22/14 13:35	1
Iron	**1.1**		0.050	0.019	mg/L		11/18/14 08:57	11/22/14 13:35	1
Lead	**0.0043**	**J**	0.010	0.0030	mg/L		11/18/14 08:57	11/22/14 13:35	1
Magnesium	**0.18**	**J**	0.20	0.043	mg/L		11/18/14 08:57	11/22/14 13:35	1
Manganese	**0.033**		0.0030	0.00040	mg/L		11/18/14 08:57	11/22/14 13:35	1
Nickel	**0.095**		0.010	0.0013	mg/L		11/18/14 08:57	11/22/14 13:35	1
Potassium	**1310**		2.5	0.50	mg/L		11/18/14 08:57	11/24/14 13:07	5
Selenium	**0.016**	**J**	0.025	0.0087	mg/L		11/18/14 08:57	11/22/14 13:35	1
Silver	ND		0.0060	0.0017	mg/L		11/18/14 08:57	11/22/14 13:35	1
Sodium	**110**		1.0	0.32	mg/L		11/18/14 08:57	11/22/14 13:35	1
Thallium	ND		0.020	0.010	mg/L		11/18/14 08:57	11/22/14 13:35	1
Vanadium	**0.22**		0.0050	0.0015	mg/L		11/18/14 08:57	11/22/14 13:35	1
Zinc	**0.029**	**B**	0.010	0.0015	mg/L		11/18/14 08:57	11/22/14 13:35	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/19/14 09:40	11/19/14 15:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.15**		0.010	0.0050	mg/L		12/01/14 01:45	12/01/14 10:25	1
Cyanide, Available	**0.0067**		0.0020	0.0018	mg/L			11/25/14 14:26	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: GW-TP09-1114-F
Date Collected: 11/17/14 11:30
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		11/19/14 02:04	12/08/14 15:19	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		11/19/14 02:04	12/08/14 15:19	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		11/19/14 02:04	12/08/14 15:19	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		11/19/14 02:04	12/08/14 15:19	5
2,4-Dinitrophenol	ND		51	11	ug/L		11/19/14 02:04	12/08/14 15:19	5
2,4-Dinitrotoluene	ND		25	2.3	ug/L		11/19/14 02:04	12/08/14 15:19	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		11/19/14 02:04	12/08/14 15:19	5
2-Chloronaphthalene	ND		25	2.3	ug/L		11/19/14 02:04	12/08/14 15:19	5
2-Chlorophenol	ND		25	2.7	ug/L		11/19/14 02:04	12/08/14 15:19	5
2-Methylnaphthalene	ND		25	3.0	ug/L		11/19/14 02:04	12/08/14 15:19	5
2-Methylphenol	ND		25	2.0	ug/L		11/19/14 02:04	12/08/14 15:19	5
2-Nitroaniline	ND		51	2.1	ug/L		11/19/14 02:04	12/08/14 15:19	5
2-Nitrophenol	ND		25	2.4	ug/L		11/19/14 02:04	12/08/14 15:19	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		11/19/14 02:04	12/08/14 15:19	5
3-Nitroaniline	ND		51	2.4	ug/L		11/19/14 02:04	12/08/14 15:19	5
4,6-Dinitro-2-methylphenol	ND		51	11	ug/L		11/19/14 02:04	12/08/14 15:19	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		11/19/14 02:04	12/08/14 15:19	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		11/19/14 02:04	12/08/14 15:19	5
4-Chloroaniline	ND		25	3.0	ug/L		11/19/14 02:04	12/08/14 15:19	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		11/19/14 02:04	12/08/14 15:19	5
4-Methylphenol	**3.9**	**J**	51	1.8	ug/L		11/19/14 02:04	12/08/14 15:19	5
4-Nitroaniline	ND		51	1.3	ug/L		11/19/14 02:04	12/08/14 15:19	5
4-Nitrophenol	ND		51	7.7	ug/L		11/19/14 02:04	12/08/14 15:19	5
Acenaphthene	ND		25	2.1	ug/L		11/19/14 02:04	12/08/14 15:19	5
Acenaphthylene	ND		25	1.9	ug/L		11/19/14 02:04	12/08/14 15:19	5
Acetophenone	ND		25	2.7	ug/L		11/19/14 02:04	12/08/14 15:19	5
Anthracene	ND		25	1.4	ug/L		11/19/14 02:04	12/08/14 15:19	5
Atrazine	ND		25	2.3	ug/L		11/19/14 02:04	12/08/14 15:19	5
Benzaldehyde	**2.4**	**J B**	25	1.4	ug/L		11/19/14 02:04	12/08/14 15:19	5
Benzo[a]anthracene	ND		25	1.8	ug/L		11/19/14 02:04	12/08/14 15:19	5
Benzo[a]pyrene	ND		25	2.4	ug/L		11/19/14 02:04	12/08/14 15:19	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		11/19/14 02:04	12/08/14 15:19	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		11/19/14 02:04	12/08/14 15:19	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		11/19/14 02:04	12/08/14 15:19	5
Biphenyl	ND		25	3.3	ug/L		11/19/14 02:04	12/08/14 15:19	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		11/19/14 02:04	12/08/14 15:19	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		11/19/14 02:04	12/08/14 15:19	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		11/19/14 02:04	12/08/14 15:19	5
Bis(2-ethylhexyl) phthalate	ND		25	9.1	ug/L		11/19/14 02:04	12/08/14 15:19	5
Butyl benzyl phthalate	ND		25	2.1	ug/L		11/19/14 02:04	12/08/14 15:19	5
Caprolactam	ND		25	11	ug/L		11/19/14 02:04	12/08/14 15:19	5
Carbazole	ND	*	25	1.5	ug/L		11/19/14 02:04	12/08/14 15:19	5
Chrysene	ND		25	1.7	ug/L		11/19/14 02:04	12/08/14 15:19	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/19/14 02:04	12/08/14 15:19	5
Dibenzofuran	ND		51	2.6	ug/L		11/19/14 02:04	12/08/14 15:19	5
Diethyl phthalate	ND		25	1.1	ug/L		11/19/14 02:04	12/08/14 15:19	5
Dimethyl phthalate	ND		25	1.8	ug/L		11/19/14 02:04	12/08/14 15:19	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		11/19/14 02:04	12/08/14 15:19	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		11/19/14 02:04	12/08/14 15:19	5

Client Sample ID: GW-TP09-1114-F
Date Collected: 11/17/14 11:30
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		25	2.0	ug/L		11/19/14 02:04	12/08/14 15:19	5
Fluorene	ND		25	1.8	ug/L		11/19/14 02:04	12/08/14 15:19	5
Hexachlorobenzene	ND		25	2.6	ug/L		11/19/14 02:04	12/08/14 15:19	5
Hexachlorobutadiene	ND		25	3.4	ug/L		11/19/14 02:04	12/08/14 15:19	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		11/19/14 02:04	12/08/14 15:19	5
Hexachloroethane	ND		25	3.0	ug/L		11/19/14 02:04	12/08/14 15:19	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		11/19/14 02:04	12/08/14 15:19	5
Isophorone	ND		25	2.2	ug/L		11/19/14 02:04	12/08/14 15:19	5
Naphthalene	ND		25	3.8	ug/L		11/19/14 02:04	12/08/14 15:19	5
Nitrobenzene	ND		25	1.5	ug/L		11/19/14 02:04	12/08/14 15:19	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		11/19/14 02:04	12/08/14 15:19	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		11/19/14 02:04	12/08/14 15:19	5
Pentachlorophenol	ND		51	11	ug/L		11/19/14 02:04	12/08/14 15:19	5
Phenanthrene	ND		25	2.2	ug/L		11/19/14 02:04	12/08/14 15:19	5
Phenol	**57**		25	2.0	ug/L		11/19/14 02:04	12/08/14 15:19	5
Pyrene	ND		25	1.7	ug/L		11/19/14 02:04	12/08/14 15:19	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*27*	*T J N*	*ug/L*		*3.20*	*110-82-7*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
Unknown	*14*	*T J*	*ug/L*		*3.25*		*11/19/14 02:04*	*12/08/14 15:19*	*5*
Unknown	*110*	*T J*	*ug/L*		*3.29*		*11/19/14 02:04*	*12/08/14 15:19*	*5*
Unknown	*18*	*T J*	*ug/L*		*4.69*		*11/19/14 02:04*	*12/08/14 15:19*	*5*
Unknown	*45*	*T J*	*ug/L*		*4.85*		*11/19/14 02:04*	*12/08/14 15:19*	*5*
Butanoic acid, 2-methyl-	*18*	*T J N*	*ug/L*		*4.93*	*116-53-0*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
Pentanoic acid	*11*	*T J N*	*ug/L*		*5.11*	*109-52-4*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
Cyclotetrasiloxane, octamethyl-	*25*	*T J N*	*ug/L*		*5.73*	*556-67-2*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
Benzeneacetic acid	*36*	*T J N*	*ug/L*		*7.36*	*103-82-2*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
n-Hexadecanoic acid	*22*	*T J N*	*ug/L*		*10.23*	*57-10-3*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
Unknown	*61*	*T J*	*ug/L*		*10.82*		*11/19/14 02:04*	*12/08/14 15:19*	*5*
Octadecanoic acid	*25*	*T J N*	*ug/L*		*10.87*	*57-11-4*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
Unknown	*19*	*T J*	*ug/L*		*11.30*		*11/19/14 02:04*	*12/08/14 15:19*	*5*
9-Octadecenamide	*200*	*J*	*ug/L*		*11.65*	*301-02-0*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
Unknown	*38*	*T J*	*ug/L*		*12.24*		*11/19/14 02:04*	*12/08/14 15:19*	*5*
Unknown	*11*	*T J*	*ug/L*		*13.33*		*11/19/14 02:04*	*12/08/14 15:19*	*5*
Unknown	*31*	*T J*	*ug/L*		*13.36*		*11/19/14 02:04*	*12/08/14 15:19*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*26*	*X*	*52 - 132*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
2-Fluorobiphenyl	*25*	*X*	*48 - 120*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
2-Fluorophenol (Surr)	*53*		*20 - 120*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
Nitrobenzene-d5 (Surr)	*29*	*X*	*46 - 120*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
Phenol-d5 (Surr)	*39*		*16 - 120*	*11/19/14 02:04*	*12/08/14 15:19*	*5*
p-Terphenyl-d14 (Surr)	*27*	*X*	*67 - 150*	*11/19/14 02:04*	*12/08/14 15:19*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9.8**		0.20	0.060	mg/L		11/18/14 08:57	11/24/14 13:29	1
Antimony	ND		0.020	0.0068	mg/L		11/18/14 08:57	11/22/14 13:48	1
Arsenic	**0.20**		0.015	0.0056	mg/L		11/18/14 08:57	11/22/14 13:48	1
Barium	**0.0078**		0.0020	0.00070	mg/L		11/18/14 08:57	11/22/14 13:48	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: GW-TP09-1114-F
Date Collected: 11/17/14 11:30
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-9
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.00079	J	0.0020	0.00030	mg/L		11/18/14 08:57	11/22/14 13:48	1
Cadmium	0.00056	J	0.0020	0.00050	mg/L		11/18/14 08:57	11/22/14 13:48	1
Calcium	39.5		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:48	1
Chromium	0.084		0.0040	0.0010	mg/L		11/18/14 08:57	11/22/14 13:48	1
Cobalt	0.0059		0.0040	0.00063	mg/L		11/18/14 08:57	11/22/14 13:48	1
Copper	0.0072	J	0.010	0.0016	mg/L		11/18/14 08:57	11/22/14 13:48	1
Iron	1.7		0.050	0.019	mg/L		11/18/14 08:57	11/22/14 13:48	1
Lead	ND		0.010	0.0030	mg/L		11/18/14 08:57	11/22/14 13:48	1
Magnesium	0.063	J	0.20	0.043	mg/L		11/18/14 08:57	11/22/14 13:48	1
Manganese	0.041		0.0030	0.00040	mg/L		11/18/14 08:57	11/22/14 13:48	1
Nickel	0.22		0.010	0.0013	mg/L		11/18/14 08:57	11/22/14 13:48	1
Potassium	1970		2.5	0.50	mg/L		11/18/14 08:57	11/25/14 11:01	5
Selenium	0.023	J	0.025	0.0087	mg/L		11/18/14 08:57	11/22/14 13:48	1
Silver	ND		0.0060	0.0017	mg/L		11/18/14 08:57	11/22/14 13:48	1
Sodium	146		1.0	0.32	mg/L		11/18/14 08:57	11/22/14 13:48	1
Thallium	ND		0.020	0.010	mg/L		11/18/14 08:57	11/22/14 13:48	1
Vanadium	0.50		0.0050	0.0015	mg/L		11/18/14 08:57	11/22/14 13:48	1
Zinc	0.035	B	0.010	0.0015	mg/L		11/18/14 08:57	11/22/14 13:48	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/19/14 09:40	11/19/14 15:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.15		0.010	0.0050	mg/L		11/26/14 08:43	11/26/14 13:24	1
Cyanide, Available	0.013		0.0020	0.0018	mg/L			11/25/14 14:30	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: GW-TP10-1114-U
Date Collected: 11/17/14 13:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		52	5.0	ug/L		11/19/14 02:04	12/08/14 11:50	10
2,4,6-Trichlorophenol	ND		52	6.3	ug/L		11/19/14 02:04	12/08/14 11:50	10
2,4-Dichlorophenol	ND		52	5.3	ug/L		11/19/14 02:04	12/08/14 11:50	10
2,4-Dimethylphenol	ND		52	5.2	ug/L		11/19/14 02:04	12/08/14 11:50	10
2,4-Dinitrophenol	ND		100	23	ug/L		11/19/14 02:04	12/08/14 11:50	10
2,4-Dinitrotoluene	ND		52	4.7	ug/L		11/19/14 02:04	12/08/14 11:50	10
2,6-Dinitrotoluene	ND		52	4.2	ug/L		11/19/14 02:04	12/08/14 11:50	10
2-Chloronaphthalene	ND		52	4.8	ug/L		11/19/14 02:04	12/08/14 11:50	10
2-Chlorophenol	ND		52	5.5	ug/L		11/19/14 02:04	12/08/14 11:50	10
2-Methylnaphthalene	ND		52	6.2	ug/L		11/19/14 02:04	12/08/14 11:50	10
2-Methylphenol	ND		52	4.2	ug/L		11/19/14 02:04	12/08/14 11:50	10
2-Nitroaniline	ND		100	4.4	ug/L		11/19/14 02:04	12/08/14 11:50	10
2-Nitrophenol	ND		52	5.0	ug/L		11/19/14 02:04	12/08/14 11:50	10
3,3'-Dichlorobenzidine	ND		52	4.2	ug/L		11/19/14 02:04	12/08/14 11:50	10
3-Nitroaniline	ND		100	5.0	ug/L		11/19/14 02:04	12/08/14 11:50	10
4,6-Dinitro-2-methylphenol	ND		100	23	ug/L		11/19/14 02:04	12/08/14 11:50	10
4-Bromophenyl phenyl ether	ND		52	4.7	ug/L		11/19/14 02:04	12/08/14 11:50	10
4-Chloro-3-methylphenol	ND		52	4.7	ug/L		11/19/14 02:04	12/08/14 11:50	10
4-Chloroaniline	ND		52	6.1	ug/L		11/19/14 02:04	12/08/14 11:50	10
4-Chlorophenyl phenyl ether	ND		52	3.6	ug/L		11/19/14 02:04	12/08/14 11:50	10
4-Methylphenol	**13**	**J**	100	3.7	ug/L		11/19/14 02:04	12/08/14 11:50	10
4-Nitroaniline	ND		100	2.6	ug/L		11/19/14 02:04	12/08/14 11:50	10
4-Nitrophenol	ND		100	16	ug/L		11/19/14 02:04	12/08/14 11:50	10
Acenaphthene	ND		52	4.3	ug/L		11/19/14 02:04	12/08/14 11:50	10
Acenaphthylene	ND		52	4.0	ug/L		11/19/14 02:04	12/08/14 11:50	10
Acetophenone	ND		52	5.6	ug/L		11/19/14 02:04	12/08/14 11:50	10
Anthracene	ND		52	2.9	ug/L		11/19/14 02:04	12/08/14 11:50	10
Atrazine	ND		52	4.8	ug/L		11/19/14 02:04	12/08/14 11:50	10
Benzaldehyde	**3.5**	**J B**	52	2.8	ug/L		11/19/14 02:04	12/08/14 11:50	10
Benzo[a]anthracene	ND		52	3.7	ug/L		11/19/14 02:04	12/08/14 11:50	10
Benzo[a]pyrene	ND		52	4.9	ug/L		11/19/14 02:04	12/08/14 11:50	10
Benzo[b]fluoranthene	ND		52	3.5	ug/L		11/19/14 02:04	12/08/14 11:50	10
Benzo[g,h,i]perylene	ND		52	3.6	ug/L		11/19/14 02:04	12/08/14 11:50	10
Benzo[k]fluoranthene	ND		52	7.6	ug/L		11/19/14 02:04	12/08/14 11:50	10
Biphenyl	ND		52	6.8	ug/L		11/19/14 02:04	12/08/14 11:50	10
bis (2-chloroisopropyl) ether	ND		52	5.4	ug/L		11/19/14 02:04	12/08/14 11:50	10
Bis(2-chloroethoxy)methane	ND		52	3.6	ug/L		11/19/14 02:04	12/08/14 11:50	10
Bis(2-chloroethyl)ether	ND		52	4.2	ug/L		11/19/14 02:04	12/08/14 11:50	10
Bis(2-ethylhexyl) phthalate	ND		52	19	ug/L		11/19/14 02:04	12/08/14 11:50	10
Butyl benzyl phthalate	ND		52	4.4	ug/L		11/19/14 02:04	12/08/14 11:50	10
Caprolactam	ND		52	23	ug/L		11/19/14 02:04	12/08/14 11:50	10
Carbazole	ND	*	52	3.1	ug/L		11/19/14 02:04	12/08/14 11:50	10
Chrysene	ND		52	3.4	ug/L		11/19/14 02:04	12/08/14 11:50	10
Dibenz(a,h)anthracene	ND		52	4.4	ug/L		11/19/14 02:04	12/08/14 11:50	10
Dibenzofuran	ND		100	5.3	ug/L		11/19/14 02:04	12/08/14 11:50	10
Diethyl phthalate	ND		52	2.3	ug/L		11/19/14 02:04	12/08/14 11:50	10
Dimethyl phthalate	ND		52	3.7	ug/L		11/19/14 02:04	12/08/14 11:50	10
Di-n-butyl phthalate	ND		52	3.2	ug/L		11/19/14 02:04	12/08/14 11:50	10
Di-n-octyl phthalate	ND		52	4.9	ug/L		11/19/14 02:04	12/08/14 11:50	10

Client Sample ID: GW-TP10-1114-U
Date Collected: 11/17/14 13:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		52	4.2	ug/L		11/19/14 02:04	12/08/14 11:50	10
Fluorene	ND		52	3.7	ug/L		11/19/14 02:04	12/08/14 11:50	10
Hexachlorobenzene	ND		52	5.3	ug/L		11/19/14 02:04	12/08/14 11:50	10
Hexachlorobutadiene	ND		52	7.1	ug/L		11/19/14 02:04	12/08/14 11:50	10
Hexachlorocyclopentadiene	ND		52	6.1	ug/L		11/19/14 02:04	12/08/14 11:50	10
Hexachloroethane	ND		52	6.1	ug/L		11/19/14 02:04	12/08/14 11:50	10
Indeno[1,2,3-cd]pyrene	ND		52	4.9	ug/L		11/19/14 02:04	12/08/14 11:50	10
Isophorone	ND		52	4.5	ug/L		11/19/14 02:04	12/08/14 11:50	10
Naphthalene	ND		52	7.9	ug/L		11/19/14 02:04	12/08/14 11:50	10
Nitrobenzene	ND		52	3.0	ug/L		11/19/14 02:04	12/08/14 11:50	10
N-Nitrosodi-n-propylamine	ND		52	5.6	ug/L		11/19/14 02:04	12/08/14 11:50	10
N-Nitrosodiphenylamine	ND		52	5.3	ug/L		11/19/14 02:04	12/08/14 11:50	10
Pentachlorophenol	ND		100	23	ug/L		11/19/14 02:04	12/08/14 11:50	10
Phenanthrene	ND		52	4.6	ug/L		11/19/14 02:04	12/08/14 11:50	10
Phenol	**100**		52	4.1	ug/L		11/19/14 02:04	12/08/14 11:50	10
Pyrene	ND		52	3.5	ug/L		11/19/14 02:04	12/08/14 11:50	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isosafrole	*90*	*J*	*ug/L*		*8.06*	*120-58-1*	*11/19/14 02:04*	*12/08/14 11:50*	*10*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/14 02:04*	*12/08/14 11:50*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*52 - 132*	*11/19/14 02:04*	*12/08/14 11:50*	*10*
2-Fluorobiphenyl	*90*		*48 - 120*	*11/19/14 02:04*	*12/08/14 11:50*	*10*
2-Fluorophenol (Surr)	*82*		*20 - 120*	*11/19/14 02:04*	*12/08/14 11:50*	*10*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*	*11/19/14 02:04*	*12/08/14 11:50*	*10*
Phenol-d5 (Surr)	*71*		*16 - 120*	*11/19/14 02:04*	*12/08/14 11:50*	*10*
p-Terphenyl-d14 (Surr)	*74*		*67 - 150*	*11/19/14 02:04*	*12/08/14 11:50*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6.3**		0.20	0.060	mg/L		11/18/14 08:57	11/24/14 13:32	1
Antimony	ND		0.020	0.0068	mg/L		11/18/14 08:57	11/22/14 13:51	1
Arsenic	**0.11**		0.015	0.0056	mg/L		11/18/14 08:57	11/22/14 13:51	1
Barium	**0.013**		0.0020	0.00070	mg/L		11/18/14 08:57	11/22/14 13:51	1
Beryllium	ND		0.0020	0.00030	mg/L		11/18/14 08:57	11/22/14 13:51	1
Cadmium	ND		0.0020	0.00050	mg/L		11/18/14 08:57	11/22/14 13:51	1
Calcium	**25.5**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:51	1
Chromium	**0.017**		0.0040	0.0010	mg/L		11/18/14 08:57	11/22/14 13:51	1
Cobalt	**0.0082**		0.0040	0.00063	mg/L		11/18/14 08:57	11/22/14 13:51	1
Copper	**0.0050**	**J**	0.010	0.0016	mg/L		11/18/14 08:57	11/22/14 13:51	1
Iron	**6.2**		0.050	0.019	mg/L		11/18/14 08:57	11/22/14 13:51	1
Lead	**0.025**		0.010	0.0030	mg/L		11/18/14 08:57	11/22/14 13:51	1
Magnesium	**0.34**		0.20	0.043	mg/L		11/18/14 08:57	11/22/14 13:51	1
Manganese	**0.028**		0.0030	0.00040	mg/L		11/18/14 08:57	11/22/14 13:51	1
Nickel	**0.049**		0.010	0.0013	mg/L		11/18/14 08:57	11/22/14 13:51	1
Potassium	**1580**		2.5	0.50	mg/L		11/18/14 08:57	11/25/14 21:49	5
Selenium	**0.013**	**J**	0.025	0.0087	mg/L		11/18/14 08:57	11/22/14 13:51	1
Silver	ND		0.0060	0.0017	mg/L		11/18/14 08:57	11/22/14 13:51	1
Sodium	**151**		1.0	0.32	mg/L		11/18/14 08:57	11/22/14 13:51	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: GW-TP10-1114-U
Date Collected: 11/17/14 13:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-10
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		0.020	0.010	mg/L		11/18/14 08:57	11/22/14 13:51	1
Vanadium	0.14		0.0050	0.0015	mg/L		11/18/14 08:57	11/22/14 13:51	1
Zinc	0.038	B	0.010	0.0015	mg/L		11/18/14 08:57	11/22/14 13:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/19/14 09:40	11/19/14 15:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	7.3		0.50	0.25	mg/L		11/26/14 08:43	11/26/14 14:05	50
Cyanide, Available	0.0068		0.0020	0.0018	mg/L			11/25/14 14:41	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: GW-TP10-1114-F
Date Collected: 11/17/14 14:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		51	4.9	ug/L		11/19/14 02:04	12/08/14 12:16	10
2,4,6-Trichlorophenol	ND		51	6.2	ug/L		11/19/14 02:04	12/08/14 12:16	10
2,4-Dichlorophenol	ND		51	5.2	ug/L		11/19/14 02:04	12/08/14 12:16	10
2,4-Dimethylphenol	ND		51	5.1	ug/L		11/19/14 02:04	12/08/14 12:16	10
2,4-Dinitrophenol	ND		100	23	ug/L		11/19/14 02:04	12/08/14 12:16	10
2,4-Dinitrotoluene	ND		51	4.6	ug/L		11/19/14 02:04	12/08/14 12:16	10
2,6-Dinitrotoluene	ND		51	4.1	ug/L		11/19/14 02:04	12/08/14 12:16	10
2-Chloronaphthalene	**7.4**	**J**	51	4.7	ug/L		11/19/14 02:04	12/08/14 12:16	10
2-Chlorophenol	ND		51	5.4	ug/L		11/19/14 02:04	12/08/14 12:16	10
2-Methylnaphthalene	ND		51	6.1	ug/L		11/19/14 02:04	12/08/14 12:16	10
2-Methylphenol	ND		51	4.1	ug/L		11/19/14 02:04	12/08/14 12:16	10
2-Nitroaniline	ND		100	4.3	ug/L		11/19/14 02:04	12/08/14 12:16	10
2-Nitrophenol	ND		51	4.9	ug/L		11/19/14 02:04	12/08/14 12:16	10
3,3'-Dichlorobenzidine	ND		51	4.1	ug/L		11/19/14 02:04	12/08/14 12:16	10
3-Nitroaniline	ND		100	4.9	ug/L		11/19/14 02:04	12/08/14 12:16	10
4,6-Dinitro-2-methylphenol	ND		100	22	ug/L		11/19/14 02:04	12/08/14 12:16	10
4-Bromophenyl phenyl ether	ND		51	4.6	ug/L		11/19/14 02:04	12/08/14 12:16	10
4-Chloro-3-methylphenol	ND		51	4.6	ug/L		11/19/14 02:04	12/08/14 12:16	10
4-Chloroaniline	ND		51	6.0	ug/L		11/19/14 02:04	12/08/14 12:16	10
4-Chlorophenyl phenyl ether	ND		51	3.6	ug/L		11/19/14 02:04	12/08/14 12:16	10
4-Methylphenol	**12**	**J**	100	3.7	ug/L		11/19/14 02:04	12/08/14 12:16	10
4-Nitroaniline	ND		100	2.5	ug/L		11/19/14 02:04	12/08/14 12:16	10
4-Nitrophenol	ND		100	15	ug/L		11/19/14 02:04	12/08/14 12:16	10
Acenaphthene	ND		51	4.2	ug/L		11/19/14 02:04	12/08/14 12:16	10
Acenaphthylene	ND		51	3.9	ug/L		11/19/14 02:04	12/08/14 12:16	10
Acetophenone	ND		51	5.5	ug/L		11/19/14 02:04	12/08/14 12:16	10
Anthracene	ND		51	2.9	ug/L		11/19/14 02:04	12/08/14 12:16	10
Atrazine	ND		51	4.7	ug/L		11/19/14 02:04	12/08/14 12:16	10
Benzaldehyde	**4.2**	**J B**	51	2.7	ug/L		11/19/14 02:04	12/08/14 12:16	10
Benzo[a]anthracene	ND		51	3.7	ug/L		11/19/14 02:04	12/08/14 12:16	10
Benzo[a]pyrene	ND		51	4.8	ug/L		11/19/14 02:04	12/08/14 12:16	10
Benzo[b]fluoranthene	ND		51	3.5	ug/L		11/19/14 02:04	12/08/14 12:16	10
Benzo[g,h,i]perylene	ND		51	3.6	ug/L		11/19/14 02:04	12/08/14 12:16	10
Benzo[k]fluoranthene	ND		51	7.4	ug/L		11/19/14 02:04	12/08/14 12:16	10
Biphenyl	ND		51	6.7	ug/L		11/19/14 02:04	12/08/14 12:16	10
bis (2-chloroisopropyl) ether	ND		51	5.3	ug/L		11/19/14 02:04	12/08/14 12:16	10
Bis(2-chloroethoxy)methane	ND		51	3.6	ug/L		11/19/14 02:04	12/08/14 12:16	10
Bis(2-chloroethyl)ether	ND		51	4.1	ug/L		11/19/14 02:04	12/08/14 12:16	10
Bis(2-ethylhexyl) phthalate	ND		51	18	ug/L		11/19/14 02:04	12/08/14 12:16	10
Butyl benzyl phthalate	ND		51	4.3	ug/L		11/19/14 02:04	12/08/14 12:16	10
Caprolactam	ND		51	22	ug/L		11/19/14 02:04	12/08/14 12:16	10
Carbazole	ND	*	51	3.1	ug/L		11/19/14 02:04	12/08/14 12:16	10
Chrysene	ND		51	3.4	ug/L		11/19/14 02:04	12/08/14 12:16	10
Dibenz(a,h)anthracene	ND		51	4.3	ug/L		11/19/14 02:04	12/08/14 12:16	10
Dibenzofuran	ND		100	5.2	ug/L		11/19/14 02:04	12/08/14 12:16	10
Diethyl phthalate	ND		51	2.2	ug/L		11/19/14 02:04	12/08/14 12:16	10
Dimethyl phthalate	ND		51	3.7	ug/L		11/19/14 02:04	12/08/14 12:16	10
Di-n-butyl phthalate	ND		51	3.2	ug/L		11/19/14 02:04	12/08/14 12:16	10
Di-n-octyl phthalate	ND		51	4.8	ug/L		11/19/14 02:04	12/08/14 12:16	10

Client Sample ID: GW-TP10-1114-F

Date Collected: 11/17/14 14:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-11

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		51	4.1	ug/L		11/19/14 02:04	12/08/14 12:16	10
Fluorene	ND		51	3.7	ug/L		11/19/14 02:04	12/08/14 12:16	10
Hexachlorobenzene	ND		51	5.2	ug/L		11/19/14 02:04	12/08/14 12:16	10
Hexachlorobutadiene	ND		51	6.9	ug/L		11/19/14 02:04	12/08/14 12:16	10
Hexachlorocyclopentadiene	ND		51	6.0	ug/L		11/19/14 02:04	12/08/14 12:16	10
Hexachloroethane	ND		51	6.0	ug/L		11/19/14 02:04	12/08/14 12:16	10
Indeno[1,2,3-cd]pyrene	ND		51	4.8	ug/L		11/19/14 02:04	12/08/14 12:16	10
Isophorone	ND		51	4.4	ug/L		11/19/14 02:04	12/08/14 12:16	10
Naphthalene	ND		51	7.7	ug/L		11/19/14 02:04	12/08/14 12:16	10
Nitrobenzene	ND		51	3.0	ug/L		11/19/14 02:04	12/08/14 12:16	10
N-Nitrosodi-n-propylamine	ND		51	5.5	ug/L		11/19/14 02:04	12/08/14 12:16	10
N-Nitrosodiphenylamine	ND		51	5.2	ug/L		11/19/14 02:04	12/08/14 12:16	10
Pentachlorophenol	ND		100	22	ug/L		11/19/14 02:04	12/08/14 12:16	10
Phenanthrene	ND		51	4.5	ug/L		11/19/14 02:04	12/08/14 12:16	10
Phenol	**100**		51	4.0	ug/L		11/19/14 02:04	12/08/14 12:16	10
Pyrene	ND		51	3.5	ug/L		11/19/14 02:04	12/08/14 12:16	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Triethyl amine	*7400*	*E*	*ug/L*		*2.63*	*121-44-8*	*11/19/14 02:04*	*12/08/14 12:16*	*10*
Isosafrole	*86*	*J*	*ug/L*		*8.06*	*120-58-1*	*11/19/14 02:04*	*12/08/14 12:16*	*10*
Tentatively Identified Compound	*None*		*ug/L*				*11/19/14 02:04*	*12/08/14 12:16*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*52 - 132*	*11/19/14 02:04*	*12/08/14 12:16*	*10*
2-Fluorobiphenyl	*84*		*48 - 120*	*11/19/14 02:04*	*12/08/14 12:16*	*10*
2-Fluorophenol (Surr)	*88*		*20 - 120*	*11/19/14 02:04*	*12/08/14 12:16*	*10*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*11/19/14 02:04*	*12/08/14 12:16*	*10*
Phenol-d5 (Surr)	*75*		*16 - 120*	*11/19/14 02:04*	*12/08/14 12:16*	*10*
p-Terphenyl-d14 (Surr)	*64*	*X*	*67 - 150*	*11/19/14 02:04*	*12/08/14 12:16*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5.3**		0.20	0.060	mg/L		11/18/14 08:57	11/24/14 13:35	1
Antimony	ND		0.020	0.0068	mg/L		11/18/14 08:57	11/22/14 13:54	1
Arsenic	**0.10**		0.015	0.0056	mg/L		11/18/14 08:57	11/22/14 13:54	1
Barium	**0.0054**		0.0020	0.00070	mg/L		11/18/14 08:57	11/22/14 13:54	1
Beryllium	ND		0.0020	0.00030	mg/L		11/18/14 08:57	11/22/14 13:54	1
Cadmium	ND		0.0020	0.00050	mg/L		11/18/14 08:57	11/22/14 13:54	1
Calcium	**24.9**		0.50	0.10	mg/L		11/18/14 08:57	11/22/14 13:54	1
Chromium	**0.012**		0.0040	0.0010	mg/L		11/18/14 08:57	11/22/14 13:54	1
Cobalt	**0.0072**		0.0040	0.00063	mg/L		11/18/14 08:57	11/22/14 13:54	1
Copper	**0.0022**	**J**	0.010	0.0016	mg/L		11/18/14 08:57	11/22/14 13:54	1
Iron	**4.9**		0.050	0.019	mg/L		11/18/14 08:57	11/22/14 13:54	1
Lead	**0.0069**	**J**	0.010	0.0030	mg/L		11/18/14 08:57	11/22/14 13:54	1
Magnesium	**0.074**	**J**	0.20	0.043	mg/L		11/18/14 08:57	11/22/14 13:54	1
Manganese	**0.0079**		0.0030	0.00040	mg/L		11/18/14 08:57	11/22/14 13:54	1
Nickel	**0.043**		0.010	0.0013	mg/L		11/18/14 08:57	11/22/14 13:54	1
Potassium	**1580**		2.5	0.50	mg/L		11/18/14 08:57	11/25/14 21:52	5
Selenium	**0.015**	**J**	0.025	0.0087	mg/L		11/18/14 08:57	11/22/14 13:54	1
Silver	ND		0.0060	0.0017	mg/L		11/18/14 08:57	11/22/14 13:54	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: GW-TP10-1114-F
Date Collected: 11/17/14 14:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-11
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	155		1.0	0.32	mg/L		11/18/14 08:57	11/22/14 13:54	1
Thallium	ND		0.020	0.010	mg/L		11/18/14 08:57	11/22/14 13:54	1
Vanadium	0.12		0.0050	0.0015	mg/L		11/18/14 08:57	11/22/14 13:54	1
Zinc	0.013	B	0.010	0.0015	mg/L		11/18/14 08:57	11/22/14 13:54	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/19/14 09:40	11/19/14 15:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	8.4		0.50	0.25	mg/L		11/26/14 08:43	11/26/14 14:07	50
Cyanide, Available	0.0063		0.0020	0.0018	mg/L			11/25/14 14:42	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: SW-CB15-1114-U

Lab Sample ID: 480-71528-1

Date Collected: 11/17/14 09:50

Matrix: Water

Date Received: 11/17/14 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214815	11/19/14 02:04	TRG	TAL BUF
Total/NA	Analysis	8270D		1	217641	12/06/14 14:53	LMW	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215578	11/22/14 13:09	TRB	TAL BUF
Total/NA	Prep	7470A			214843	11/19/14 09:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	215003	11/19/14 15:05	LRK	TAL BUF
Total/NA	Prep	9012B			216154	11/26/14 08:43	EKB	TAL BUF
Total/NA	Analysis	9012B		1	216204	11/26/14 13:09	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 14:17	PGJ	TAL PIT

Client Sample ID: SW-CB15-1114-F

Lab Sample ID: 480-71528-2

Date Collected: 11/17/14 10:10

Matrix: Water

Date Received: 11/17/14 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214815	11/19/14 02:04	TRG	TAL BUF
Total/NA	Analysis	8270D		1	217641	12/06/14 15:19	LMW	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215578	11/22/14 13:12	TRB	TAL BUF
Total/NA	Prep	7470A			214843	11/19/14 09:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	215003	11/19/14 15:06	LRK	TAL BUF
Total/NA	Prep	9012B			216154	11/26/14 08:43	EKB	TAL BUF
Total/NA	Analysis	9012B		1	216204	11/26/14 13:12	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 14:18	PGJ	TAL PIT

Client Sample ID: SED-CB15-1114

Lab Sample ID: 480-71528-3

Date Collected: 11/17/14 10:30

Matrix: Solid

Date Received: 11/17/14 15:15

Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			214879	11/19/14 10:58	CAM	TAL BUF
Total/NA	Analysis	8270D		5	215028	11/20/14 18:59	LMW	TAL BUF
Total/NA	Prep	3050B			214695	11/18/14 17:05	LED	TAL BUF
Total/NA	Analysis	6010C		1	216087	11/25/14 14:53	JRK	TAL BUF
Total/NA	Prep	3050B			214695	11/18/14 17:05	LED	TAL BUF
Total/NA	Analysis	6010C		5	216087	11/25/14 14:56	JRK	TAL BUF
Total/NA	Prep	3050B			214695	11/18/14 17:05	LED	TAL BUF
Total/NA	Analysis	6010C		1	215590	11/22/14 18:13	LMH	TAL BUF
Total/NA	Prep	7471B			214661	11/18/14 11:45	TAS	TAL BUF
Total/NA	Analysis	7471B		1	214916	11/19/14 11:46	LRK	TAL BUF
Total/NA	Prep	9012B			216161	11/26/14 11:22	EKB	TAL BUF
Total/NA	Analysis	9012B		1	216204	11/26/14 13:38	NCH	TAL BUF
Total/NA	Leach	9016			266069	11/30/14 14:00	PXP	TAL EDI

Client Sample ID: SED-CB15-1114

Lab Sample ID: 480-71528-3

Date Collected: 11/17/14 10:30
Matrix: Solid
Date Received: 11/17/14 15:15
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9016			266081	11/30/14 22:27	PXP	TAL EDI
Total/NA	Analysis	9016		1	266103	11/30/14 23:59	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	215145	11/20/14 18:12	CMK	TAL BUF
Total/NA	Prep	9013A			126287	11/24/14 14:10	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 15:38	PGJ	TAL PIT

Client Sample ID: SW-CB16-1114-U

Lab Sample ID: 480-71528-4

Date Collected: 11/17/14 11:35
Matrix: Water
Date Received: 11/17/14 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214815	11/19/14 02:04	TRG	TAL BUF
Total/NA	Analysis	8270D		1	217641	12/06/14 15:46	LMW	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215578	11/22/14 13:15	TRB	TAL BUF
Total/NA	Prep	7470A			214843	11/19/14 09:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	215003	11/19/14 15:08	LRK	TAL BUF
Total/NA	Prep	9012B			216154	11/26/14 08:43	EKB	TAL BUF
Total/NA	Analysis	9012B		1	216204	11/26/14 13:17	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 14:20	PGJ	TAL PIT

Client Sample ID: SW-CB16-1114-F

Lab Sample ID: 480-71528-5

Date Collected: 11/17/14 11:50
Matrix: Water
Date Received: 11/17/14 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214815	11/19/14 02:04	TRG	TAL BUF
Total/NA	Analysis	8270D		1	217641	12/06/14 16:12	LMW	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215578	11/22/14 13:18	TRB	TAL BUF
Total/NA	Prep	7470A			214848	11/19/14 09:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	215003	11/19/14 15:13	LRK	TAL BUF
Total/NA	Prep	9012B			216154	11/26/14 08:43	EKB	TAL BUF
Total/NA	Analysis	9012B		1	216204	11/26/14 13:19	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 14:21	PGJ	TAL PIT

Client Sample ID: SW-CB20-1114-U

Lab Sample ID: 480-71528-6

Date Collected: 11/17/14 12:50
Matrix: Water
Date Received: 11/17/14 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214815	11/19/14 02:04	TRG	TAL BUF
Total/NA	Analysis	8270D		1	217641	12/06/14 16:38	LMW	TAL BUF

Client Sample ID: SW-CB20-1114-U

Lab Sample ID: 480-71528-6

Date Collected: 11/17/14 12:50

Matrix: Water

Date Received: 11/17/14 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215578	11/22/14 13:20	TRB	TAL BUF
Total/NA	Prep	7470A			214848	11/19/14 09:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	215003	11/19/14 15:15	LRK	TAL BUF
Total/NA	Prep	9012B			216154	11/26/14 08:43	EKB	TAL BUF
Total/NA	Analysis	9012B		1	216204	11/26/14 13:21	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 14:23	PGJ	TAL PIT

Client Sample ID: SW-CB20-1114-F

Lab Sample ID: 480-71528-7

Date Collected: 11/17/14 13:00

Matrix: Water

Date Received: 11/17/14 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214815	11/19/14 02:04	TRG	TAL BUF
Total/NA	Analysis	8270D		1	217641	12/06/14 17:04	LMW	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215578	11/22/14 13:23	TRB	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215834	11/24/14 12:50	TRB	TAL BUF
Total/NA	Prep	7470A			214848	11/19/14 09:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	215003	11/19/14 15:16	LRK	TAL BUF
Total/NA	Prep	9012B			216154	11/26/14 08:43	EKB	TAL BUF
Total/NA	Analysis	9012B		1	216204	11/26/14 13:22	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 14:24	PGJ	TAL PIT

Client Sample ID: GW-TP09-1114-U

Lab Sample ID: 480-71528-8

Date Collected: 11/17/14 10:10

Matrix: Water

Date Received: 11/17/14 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214815	11/19/14 02:04	TRG	TAL BUF
Total/NA	Analysis	8270D		5	217764	12/08/14 14:53	LMW	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215578	11/22/14 13:35	TRB	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215834	11/24/14 12:53	TRB	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		5	215834	11/24/14 13:07	TRB	TAL BUF
Total/NA	Prep	7470A			214848	11/19/14 09:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	215003	11/19/14 15:21	LRK	TAL BUF
Total/NA	Prep	9012B			216496	12/01/14 01:45	LAW	TAL BUF
Total/NA	Analysis	9012B		1	216572	12/01/14 10:25	KMF	TAL BUF
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 14:26	PGJ	TAL PIT

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: GW-TP09-1114-F

Lab Sample ID: 480-71528-9

Date Collected: 11/17/14 11:30
Matrix: Water
Date Received: 11/17/14 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214815	11/19/14 02:04	TRG	TAL BUF
Total/NA	Analysis	8270D		5	217764	12/08/14 15:19	LMW	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215578	11/22/14 13:48	TRB	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215834	11/24/14 13:29	TRB	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		5	216897	11/25/14 11:01	LMH	TAL BUF
Total/NA	Prep	7470A			214848	11/19/14 09:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	215003	11/19/14 15:28	LRK	TAL BUF
Total/NA	Prep	9012B			216154	11/26/14 08:43	EKB	TAL BUF
Total/NA	Analysis	9012B		1	216204	11/26/14 13:24	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 14:30	PGJ	TAL PIT

Client Sample ID: GW-TP10-1114-U

Lab Sample ID: 480-71528-10

Date Collected: 11/17/14 13:50
Matrix: Water
Date Received: 11/17/14 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214815	11/19/14 02:04	TRG	TAL BUF
Total/NA	Analysis	8270D		10	217764	12/08/14 11:50	LMW	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215578	11/22/14 13:51	TRB	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215834	11/24/14 13:32	TRB	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		5	216897	11/25/14 21:49	LMH	TAL BUF
Total/NA	Prep	7470A			214848	11/19/14 09:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	215003	11/19/14 15:30	LRK	TAL BUF
Total/NA	Prep	9012B			216154	11/26/14 08:43	EKB	TAL BUF
Total/NA	Analysis	9012B		50	216204	11/26/14 14:05	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 14:41	PGJ	TAL PIT

Client Sample ID: GW-TP10-1114-F

Lab Sample ID: 480-71528-11

Date Collected: 11/17/14 14:50
Matrix: Water
Date Received: 11/17/14 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			214815	11/19/14 02:04	TRG	TAL BUF
Total/NA	Analysis	8270D		10	217764	12/08/14 12:16	LMW	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		1	215578	11/22/14 13:54	TRB	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Client Sample ID: GW-TP10-1114-F
Date Collected: 11/17/14 14:50
Date Received: 11/17/14 15:15

Lab Sample ID: 480-71528-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	215834	11/24/14 13:35	TRB	TAL BUF
Total/NA	Prep	3005A			214682	11/18/14 08:57	LED	TAL BUF
Total/NA	Analysis	6010C		5	216897	11/25/14 21:52	LMH	TAL BUF
Total/NA	Prep	7470A			214848	11/19/14 09:40	TAS	TAL BUF
Total/NA	Analysis	7470A		1	215003	11/19/14 15:31	LRK	TAL BUF
Total/NA	Prep	9012B			216154	11/26/14 08:43	EKB	TAL BUF
Total/NA	Analysis	9012B		50	216204	11/26/14 14:07	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	126467	11/25/14 14:42	PGJ	TAL PIT

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3510C	Water	9-Octadecenamide
8270D	3510C	Water	Triethyl amine

Laboratory: TestAmerica Edison

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-15

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
OIA-1677	9013A	Solid	Cyanide, Available

Method Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
9016	Cyanide, Free	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL BUF
OIA-1677	Cyanide, Available (Flow Injection)	OI CORP	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

OI CORP = OI Corporation Instrument Manual.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-71528-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-71528-1	SW-CB15-1114-U	Water	11/17/14 09:50	11/17/14 15:15
480-71528-2	SW-CB15-1114-F	Water	11/17/14 10:10	11/17/14 15:15
480-71528-3	SED-CB15-1114	Solid	11/17/14 10:30	11/17/14 15:15
480-71528-4	SW-CB16-1114-U	Water	11/17/14 11:35	11/17/14 15:15
480-71528-5	SW-CB16-1114-F	Water	11/17/14 11:50	11/17/14 15:15
480-71528-6	SW-CB20-1114-U	Water	11/17/14 12:50	11/17/14 15:15
480-71528-7	SW-CB20-1114-F	Water	11/17/14 13:00	11/17/14 15:15
480-71528-8	GW-TP09-1114-U	Water	11/17/14 10:10	11/17/14 15:15
480-71528-9	GW-TP09-1114-F	Water	11/17/14 11:30	11/17/14 15:15
480-71528-10	GW-TP10-1114-U	Water	11/17/14 13:50	11/17/14 15:15
480-71528-11	GW-TP10-1114-F	Water	11/17/14 14:50	11/17/14 15:15

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: NYSDEC	Project Manager: Heidi Dudek	Date: 11/17/14	Chain of Custody Number: 278882
Address: 625 Broadway, 12th Floor	Telephone Number (Area Code)/Fax Number: (518) 402-9813	Lab Number:	Page _____ of _____
City: Albany; State: NY; Zip Code: 12233-7017	Site Contact: Amy Picunas	Lab Contact: Brian Fischer	
Project Name and Location (State): BLCP GW Trackdown, Buffalo, NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: BLCP Parcel 4 Site 915193A Lab Call Out			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Avail CN	TCL SVOCs+20	+tics, TAL Metals	Free CN	Total CN	Special Instructions/ Conditions of Receipt
SW-CB15-1114-U	11/17/14	09:50		X			X		X		X		X	X	X		X	
SW-CB15-1114-F	11/17/14	10:10		X			X		X		X		X	X	X		X	
SED-CB15-1114	11/17/14	10:30			X		X						X	X	X	X	X	
SW-CB16-1114-U	11/17/14	11:35		X			X		X		X		X	X	X	X	X	
SW-CB16-1114-F	11/17/14	11:50		X			X		X		X		X	X	X	X	X	
SW-CB20-1114-U	11/17/14	12:50		X			X		X		X		X	X	X	X	X	
SW-CB20-1114-F	11/17/14	13:00		X			X		X		X		X	X	X	X	X	
GW-TP09-1114-U	11/17/14	10:10		X			X		X		X		X	X	X		X	
GW-TP09-1114-F	11/17/14	11:30		X			X		X		X		X	X	X		X	
GW-TP09-1114-U-MS/MSD	11/17/14	10:10		X			X		X		X		X	X	X		X	
GW-TP10-1114-U	11/17/14	13:50		X			X		X		X		X	X	X		X	
GW-TP10-1114-F	11/17/14	14:50		X			X		X		X		X	X	X		X	

480-71528 Chain of Custody

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Amy Picunas	11/17/14	14:25	1. Received By:	11/17/14	14:45
2. Relinquished By:	11/17/14	15:15	2. Received By: TA BUF	11/17/14	15:15
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments: #1 2.3, 2.6

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-71528 Chain of Custody

TestAmerica — LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	No: -21574.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com	Page 1 of 2
Company: TestAmerica Laboratories, Inc.			Job #: 480-71528-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/28/2014		
City: Pittsburgh	TAT Requested (days):		
State, Zip: PA, 15238			
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:		
Email:	WO #:		
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677	1677/9013A	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
SW-CB15-1114-U (480-71528-1)	11/17/14	09:50 Eastern		Water			X			
SW-CB15-1114-F (480-71528-2)	11/17/14	10:10 Eastern		Water			X			
SED-CB15-1114 (480-71528-3)	11/17/14	10:30 Eastern		Solid				X		
SW-CB16-1114-U (480-71528-4)	11/17/14	11:35 Eastern		Water			X			
SW-CB16-1114-F (480-71528-5)	11/17/14	11:50 Eastern		Water			X			
SW-CB20-1114-U (480-71528-6)	11/17/14	12:50 Eastern		Water			X			
SW-CB20-1114-F (480-71528-7)	11/17/14	13:00 Eastern		Water			X			
GW-TP09-1114-U (480-71528-8)	11/17/14	10:10 Eastern		Water			X			
GW-TP09-1114-U (480-71528-8MS)	11/17/14	10:10 Eastern	MS	Water			X			
GW-TP09-1114-U (480-71528-8MSD)	11/17/14	10:10 Eastern	MSD	Water			X			
GW-TP09-1114-F (480-71528-9)	11/17/14	11:30 Eastern		Water			X			

11/18/14 Rec'd

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by: Conrad von Wallbe	Date/Time: 11-18-14 1700	Company: TAL	Received by:	Date/Time: 11/19/14 0950	Company: TAL BUF	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

12/18/2014

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-21574.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-71528-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/28/2014			Preservation Codes:
City: Pittsburgh	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677	1677/9013A	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
GW-TP10-1114-U (480-71528-10)	11/17/14	13:50 Eastern		Water			X			
GW-TP10-1114-F (480-71528-11)	11/17/14	14:50 Eastern		Water			X			

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Cameron Wallace	11-18-14 1700	TAB		11/19/14 0950	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

12/18/2014

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-71528 Chain of Custody

estAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	Carrier No: 480-21573.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: brian.fischer@testamericainc.com	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.			Job #: 480-71528-1
Address: 777 New Durham Road,	Due Date Requested: 11/28/2014		
City: Edison	TAT Requested (days):		
State, Zip: NJ, 08817			
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:		
Email:	WO #:		
Project Name: NYSDEC-Buffalo Lakeside:Site# 915193A	Project #: 48010749		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9016/9016_ExtPrep	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SED-CB15-1114 (480-71528-3)	11/17/14	10:30 Eastern		Solid			X	1	

Possible Hazard Identification	**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Cameron Wallace	Date/Time: 11-18-14 1700	Company TAB	Received by: [signature] (Fedex)
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Date/Time: 11/19/14 9:20	Company TAB		
Date/Time:	Company		
Date/Time:	Company		

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 233164

Cooler Temperature(s) °C and Other Remarks: IR #5 0.1/2.1°C

12/18/2014

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71528-1

Login Number: 71528

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	nysdec
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71528-1

Login Number: 71528
List Number: 2
Creator: Villadarez, Gerson Timothy S

List Source: TestAmerica Edison
List Creation: 11/19/14 12:01 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	233464
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1°C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71528-1

Login Number: 71528
List Number: 3
Creator: Kovitch, Christina M

List Source: TestAmerica Pittsburgh
List Creation: 11/19/14 03:40 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-71528-1

Login Number: 71528
List Number: 4
Creator: Kovitch, Christina M

List Source: TestAmerica Pittsburgh
List Creation: 11/19/14 04:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-72717-1
Client Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Joseph V. Giacomazza

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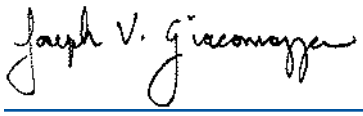
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
12/29/2014 10:31:15 AM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Job ID: 480-72717-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-72717-1

Receipt
The samples were received on 12/9/2014 4:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.1º C and 2.4º C.

GC/MS Semi VOA
Method(s) 8270D: The large number of analytes included in the continuing calibration verification (CCV) for TALS batch 218989 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 218989 was outside the method criteria for the following analyte(s): 2,2'-oxybis[1-chloropropane]. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method(s) 8270D: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for batch 218382 recovered outside control limits for the following analytes: 3-Nitroaniline, 4-Nitroaniline and 4-Chloroaniline. These analytes have been identified as a poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270D: The laboratory control sample (LCS) for batch 218382 recovered outside control limits for Carbazole. Four analytes are allowed outside limits when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified. (LCS 480-218382/2-A)

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: GW-TP1-1214-F (480-72717-6), GW-TP1-1214-U (480-72717-5). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The Low Level Continuing Calibration Verification (CCVL 480-219124/37) contained total potassium outside the control limits. All reported samples (480-72717-1 MSD), DUP-1-1214 (480-72717-15), GW-TP11-1214-F (480-72717-2), GW-TP1-1214-F (480-72717-6), GW-TP1-1214-U (480-72717-5), GW-TP2-1214-F (480-72717-8), GW-TP2-1214-U (480-72717-7), GW-TP3-1214-F (480-72717-10), GW-TP3-1214-U (480-72717-9), GW-TP4-1214-F (480-72717-12), GW-TP4-1214-U (480-72717-11), GW-TP5-1214-F (480-72717-14), GW-TP5-1214-U (480-72717-13), GW-TP6-1214-F (480-72717-17), GW-TP6-1214-U (480-72717-16), GW-TP8-1214-F (480-72717-4), GW-TP8-1214-U (480-72717-3) associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method(s) 9012B: The method blank for batch 220150 contained Cyanide above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.GW-TP8-1214-F (480-72717-4), GW-TP8-1214-U (480-72717-3)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 218382.

Job ID: 480-72717-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP11-1214-U
Date Collected: 12/08/14 15:20
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/10/14 14:46	12/13/14 15:42	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/10/14 14:46	12/13/14 15:42	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/10/14 14:46	12/13/14 15:42	1
2,4-Dimethylphenol	**1.1**	**J**	5.0	0.50	ug/L		12/10/14 14:46	12/13/14 15:42	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		12/10/14 14:46	12/13/14 15:42	1
2,4-Dinitrotoluene	ND		5.0	0.44	ug/L		12/10/14 14:46	12/13/14 15:42	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 15:42	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/10/14 14:46	12/13/14 15:42	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/10/14 14:46	12/13/14 15:42	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/10/14 14:46	12/13/14 15:42	1
2-Methylphenol	**0.54**	**J**	5.0	0.40	ug/L		12/10/14 14:46	12/13/14 15:42	1
2-Nitroaniline	ND		9.9	0.42	ug/L		12/10/14 14:46	12/13/14 15:42	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/10/14 14:46	12/13/14 15:42	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 15:42	1
3-Nitroaniline	ND	*	9.9	0.48	ug/L		12/10/14 14:46	12/13/14 15:42	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		12/10/14 14:46	12/13/14 15:42	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/10/14 14:46	12/13/14 15:42	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/10/14 14:46	12/13/14 15:42	1
4-Chloroaniline	ND	*	5.0	0.59	ug/L		12/10/14 14:46	12/13/14 15:42	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/10/14 14:46	12/13/14 15:42	1
4-Methylphenol	**1.9**	**J**	9.9	0.36	ug/L		12/10/14 14:46	12/13/14 15:42	1
4-Nitroaniline	ND	*	9.9	0.25	ug/L		12/10/14 14:46	12/13/14 15:42	1
4-Nitrophenol	ND		9.9	1.5	ug/L		12/10/14 14:46	12/13/14 15:42	1
Acenaphthene	ND		5.0	0.41	ug/L		12/10/14 14:46	12/13/14 15:42	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/10/14 14:46	12/13/14 15:42	1
Acetophenone	**0.65**	**J**	5.0	0.54	ug/L		12/10/14 14:46	12/13/14 15:42	1
Anthracene	ND		5.0	0.28	ug/L		12/10/14 14:46	12/13/14 15:42	1
Atrazine	ND		5.0	0.46	ug/L		12/10/14 14:46	12/13/14 15:42	1
Benzaldehyde	ND		5.0	0.27	ug/L		12/10/14 14:46	12/13/14 15:42	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/10/14 14:46	12/13/14 15:42	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/10/14 14:46	12/13/14 15:42	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/10/14 14:46	12/13/14 15:42	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/10/14 14:46	12/13/14 15:42	1
Benzo[k]fluoranthene	ND		5.0	0.72	ug/L		12/10/14 14:46	12/13/14 15:42	1
Biphenyl	ND		5.0	0.65	ug/L		12/10/14 14:46	12/13/14 15:42	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/10/14 14:46	12/13/14 15:42	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/10/14 14:46	12/13/14 15:42	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 15:42	1
Bis(2-ethylhexyl) phthalate	**4.8**	**J B**	5.0	1.8	ug/L		12/10/14 14:46	12/13/14 15:42	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		12/10/14 14:46	12/13/14 15:42	1
Caprolactam	ND		5.0	2.2	ug/L		12/10/14 14:46	12/13/14 15:42	1
Carbazole	ND	*	5.0	0.30	ug/L		12/10/14 14:46	12/13/14 15:42	1
Chrysene	ND		5.0	0.33	ug/L		12/10/14 14:46	12/13/14 15:42	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/10/14 14:46	12/13/14 15:42	1
Dibenzofuran	ND		9.9	0.51	ug/L		12/10/14 14:46	12/13/14 15:42	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/10/14 14:46	12/13/14 15:42	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/10/14 14:46	12/13/14 15:42	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/10/14 14:46	12/13/14 15:42	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/10/14 14:46	12/13/14 15:42	1

Client Sample ID: GW-TP11-1214-U
Date Collected: 12/08/14 15:20
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 15:42	1
Fluorene	ND		5.0	0.36	ug/L		12/10/14 14:46	12/13/14 15:42	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/10/14 14:46	12/13/14 15:42	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/10/14 14:46	12/13/14 15:42	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/10/14 14:46	12/13/14 15:42	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/10/14 14:46	12/13/14 15:42	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/10/14 14:46	12/13/14 15:42	1
Isophorone	ND		5.0	0.43	ug/L		12/10/14 14:46	12/13/14 15:42	1
Naphthalene	**0.80**	**J**	5.0	0.75	ug/L		12/10/14 14:46	12/13/14 15:42	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/10/14 14:46	12/13/14 15:42	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/10/14 14:46	12/13/14 15:42	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/10/14 14:46	12/13/14 15:42	1
Pentachlorophenol	ND		9.9	2.2	ug/L		12/10/14 14:46	12/13/14 15:42	1
Phenanthrene	ND		5.0	0.44	ug/L		12/10/14 14:46	12/13/14 15:42	1
Phenol	**13**		5.0	0.39	ug/L		12/10/14 14:46	12/13/14 15:42	1
Pyrene	ND		5.0	0.34	ug/L		12/10/14 14:46	12/13/14 15:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*42*	*T J B*	*ug/L*		*2.84*		*12/10/14 14:46*	*12/13/14 15:42*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*4.64*		*12/10/14 14:46*	*12/13/14 15:42*	*1*
Cyclotetrasiloxane, octamethyl-	*2.8*	*T J N B*	*ug/L*		*5.56*	*556-67-2*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
D-Limonene	*3.2*	*T J N*	*ug/L*		*5.97*	*5989-27-5*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
Benzyl alcohol	*0.52*	*J B*	*ug/L*		*6.06*	*100-51-6*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*6.37*		*12/10/14 14:46*	*12/13/14 15:42*	*1*
Cyclopentasiloxane, decamethyl-	*3.0*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	*3.1*	*T J N*	*ug/L*		*6.73*	*464-49-3*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
Benzeneacetic acid	*8.6*	*T J N*	*ug/L*		*7.26*	*103-82-2*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.1*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
Unknown	*1.8*	*T J B*	*ug/L*		*8.14*		*12/10/14 14:46*	*12/13/14 15:42*	*1*
n-Hexadecanoic acid	*7.2*	*T J N B*	*ug/L*		*10.09*	*57-10-3*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
Octadecanoic acid	*9.1*	*T J N*	*ug/L*		*10.73*	*57-11-4*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
Unknown	*7.2*	*T J B*	*ug/L*		*11.14*		*12/10/14 14:46*	*12/13/14 15:42*	*1*
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	*3.5*	*T J N*	*ug/L*		*11.74*	*1740-19-8*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
Unknown	*10*	*T J B*	*ug/L*		*12.04*		*12/10/14 14:46*	*12/13/14 15:42*	*1*
Unknown	*18*	*T J B*	*ug/L*		*13.10*		*12/10/14 14:46*	*12/13/14 15:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*52 - 132*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
2-Fluorophenol (Surr)	*71*		*20 - 120*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 120*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
Phenol-d5 (Surr)	*42*		*16 - 120*	*12/10/14 14:46*	*12/13/14 15:42*	*1*
p-Terphenyl-d14 (Surr)	*91*		*67 - 150*	*12/10/14 14:46*	*12/13/14 15:42*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.1**		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 10:26	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 17:11	1
Arsenic	**0.033**		0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 17:11	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP11-1214-U
Date Collected: 12/08/14 15:20
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.056		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 17:11	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 17:11	1
Cadmium	0.0012	J	0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 17:11	1
Calcium	136		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 17:11	1
Chromium	0.0034	J	0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 17:11	1
Cobalt	0.0021	J	0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 17:11	1
Copper	0.0048	J	0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 17:11	1
Iron	4.0		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 17:11	1
Lead	0.022		0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 17:11	1
Magnesium	3.5		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 17:11	1
Manganese	0.096		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 17:11	1
Nickel	0.011		0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 17:11	1
Potassium	276		0.50	0.10	mg/L		12/10/14 12:22	12/12/14 10:26	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 17:11	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 17:11	1
Sodium	32.3		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 17:11	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 17:11	1
Vanadium	0.0068		0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 17:11	1
Zinc	0.027	B	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 17:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 14:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.024		0.010	0.0050	mg/L		12/17/14 13:26	12/19/14 09:52	1
Cyanide, Available	0.0044		0.0020	0.0018	mg/L			12/12/14 10:45	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP11-1214-F
Date Collected: 12/08/14 15:40
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		12/10/14 14:46	12/13/14 16:07	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		12/10/14 14:46	12/13/14 16:07	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		12/10/14 14:46	12/13/14 16:07	1
2,4-Dimethylphenol	**1.2**	**J**	4.9	0.49	ug/L		12/10/14 14:46	12/13/14 16:07	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		12/10/14 14:46	12/13/14 16:07	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		12/10/14 14:46	12/13/14 16:07	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 16:07	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		12/10/14 14:46	12/13/14 16:07	1
2-Chlorophenol	ND		4.9	0.52	ug/L		12/10/14 14:46	12/13/14 16:07	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		12/10/14 14:46	12/13/14 16:07	1
2-Methylphenol	**0.62**	**J**	4.9	0.39	ug/L		12/10/14 14:46	12/13/14 16:07	1
2-Nitroaniline	ND		9.8	0.41	ug/L		12/10/14 14:46	12/13/14 16:07	1
2-Nitrophenol	ND		4.9	0.47	ug/L		12/10/14 14:46	12/13/14 16:07	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 16:07	1
3-Nitroaniline	ND	*	9.8	0.47	ug/L		12/10/14 14:46	12/13/14 16:07	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.2	ug/L		12/10/14 14:46	12/13/14 16:07	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		12/10/14 14:46	12/13/14 16:07	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		12/10/14 14:46	12/13/14 16:07	1
4-Chloroaniline	ND	*	4.9	0.58	ug/L		12/10/14 14:46	12/13/14 16:07	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		12/10/14 14:46	12/13/14 16:07	1
4-Methylphenol	**2.1**	**J**	9.8	0.35	ug/L		12/10/14 14:46	12/13/14 16:07	1
4-Nitroaniline	ND	*	9.8	0.24	ug/L		12/10/14 14:46	12/13/14 16:07	1
4-Nitrophenol	ND		9.8	1.5	ug/L		12/10/14 14:46	12/13/14 16:07	1
Acenaphthene	ND		4.9	0.40	ug/L		12/10/14 14:46	12/13/14 16:07	1
Acenaphthylene	ND		4.9	0.37	ug/L		12/10/14 14:46	12/13/14 16:07	1
Acetophenone	ND		4.9	0.53	ug/L		12/10/14 14:46	12/13/14 16:07	1
Anthracene	ND		4.9	0.27	ug/L		12/10/14 14:46	12/13/14 16:07	1
Atrazine	ND		4.9	0.45	ug/L		12/10/14 14:46	12/13/14 16:07	1
Benzaldehyde	**0.33**	**J**	4.9	0.26	ug/L		12/10/14 14:46	12/13/14 16:07	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		12/10/14 14:46	12/13/14 16:07	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		12/10/14 14:46	12/13/14 16:07	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		12/10/14 14:46	12/13/14 16:07	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		12/10/14 14:46	12/13/14 16:07	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		12/10/14 14:46	12/13/14 16:07	1
Biphenyl	ND		4.9	0.64	ug/L		12/10/14 14:46	12/13/14 16:07	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		12/10/14 14:46	12/13/14 16:07	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		12/10/14 14:46	12/13/14 16:07	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 16:07	1
Bis(2-ethylhexyl) phthalate	**4.6**	**J B**	4.9	1.8	ug/L		12/10/14 14:46	12/13/14 16:07	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		12/10/14 14:46	12/13/14 16:07	1
Caprolactam	ND		4.9	2.2	ug/L		12/10/14 14:46	12/13/14 16:07	1
Carbazole	ND	*	4.9	0.29	ug/L		12/10/14 14:46	12/13/14 16:07	1
Chrysene	ND		4.9	0.32	ug/L		12/10/14 14:46	12/13/14 16:07	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		12/10/14 14:46	12/13/14 16:07	1
Dibenzofuran	ND		9.8	0.50	ug/L		12/10/14 14:46	12/13/14 16:07	1
Diethyl phthalate	**0.36**	**J**	4.9	0.22	ug/L		12/10/14 14:46	12/13/14 16:07	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		12/10/14 14:46	12/13/14 16:07	1
Di-n-butyl phthalate	ND		4.9	0.30	ug/L		12/10/14 14:46	12/13/14 16:07	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		12/10/14 14:46	12/13/14 16:07	1

Client Sample ID: GW-TP11-1214-F
Date Collected: 12/08/14 15:40
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 16:07	1
Fluorene	ND		4.9	0.35	ug/L		12/10/14 14:46	12/13/14 16:07	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		12/10/14 14:46	12/13/14 16:07	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		12/10/14 14:46	12/13/14 16:07	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		12/10/14 14:46	12/13/14 16:07	1
Hexachloroethane	ND		4.9	0.58	ug/L		12/10/14 14:46	12/13/14 16:07	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		12/10/14 14:46	12/13/14 16:07	1
Isophorone	ND		4.9	0.42	ug/L		12/10/14 14:46	12/13/14 16:07	1
Naphthalene	**0.77**	**J**	4.9	0.74	ug/L		12/10/14 14:46	12/13/14 16:07	1
Nitrobenzene	ND		4.9	0.28	ug/L		12/10/14 14:46	12/13/14 16:07	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		12/10/14 14:46	12/13/14 16:07	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		12/10/14 14:46	12/13/14 16:07	1
Pentachlorophenol	ND		9.8	2.2	ug/L		12/10/14 14:46	12/13/14 16:07	1
Phenanthrene	ND		4.9	0.43	ug/L		12/10/14 14:46	12/13/14 16:07	1
Phenol	**14**		4.9	0.38	ug/L		12/10/14 14:46	12/13/14 16:07	1
Pyrene	ND		4.9	0.33	ug/L		12/10/14 14:46	12/13/14 16:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*55*	*T J B*	*ug/L*		*2.84*		*12/10/14 14:46*	*12/13/14 16:07*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*4.64*		*12/10/14 14:46*	*12/13/14 16:07*	*1*
Cyclotetrasiloxane, octamethyl-	*3.2*	*T J N B*	*ug/L*		*5.57*	*556-67-2*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
D-Limonene	*4.9*	*T J N*	*ug/L*		*5.97*	*5989-27-5*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimet	*2.8*	*T J N*	*ug/L*		*6.37*	*1195-79-5*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
Cyclopentasiloxane, decamethyl-	*3.2*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
Camphor	*3.8*	*T J N*	*ug/L*		*6.72*	*76-22-2*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*6.80*		*12/10/14 14:46*	*12/13/14 16:07*	*1*
Benzeneacetic acid	*11*	*T J N*	*ug/L*		*7.26*	*103-82-2*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.5*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
Unknown	*1.9*	*T J B*	*ug/L*		*8.14*		*12/10/14 14:46*	*12/13/14 16:07*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*2.3*	*T J N*	*ug/L*		*8.41*	*96-76-4*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
n-Hexadecanoic acid	*8.9*	*T J N*	*ug/L*		*10.09*	*57-10-3*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
Octadecanoic acid	*6.7*	*T J N*	*ug/L*		*10.73*	*57-11-4*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
Unknown	*3.7*	*T J B*	*ug/L*		*11.14*		*12/10/14 14:46*	*12/13/14 16:07*	*1*
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	*3.3*	*T J N*	*ug/L*		*11.74*	*1740-19-8*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
Unknown	*9.8*	*T J B*	*ug/L*		*12.04*		*12/10/14 14:46*	*12/13/14 16:07*	*1*
Unknown	*16*	*T J B*	*ug/L*		*13.10*		*12/10/14 14:46*	*12/13/14 16:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*52 - 132*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
2-Fluorobiphenyl	*93*		*48 - 120*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
2-Fluorophenol (Surr)	*86*		*20 - 120*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 120*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
Phenol-d5 (Surr)	*50*		*16 - 120*	*12/10/14 14:46*	*12/13/14 16:07*	*1*
p-Terphenyl-d14 (Surr)	*89*		*67 - 150*	*12/10/14 14:46*	*12/13/14 16:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.14**	**J**	0.20	0.060	mg/L		12/10/14 12:22	12/12/14 10:47	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 17:25	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP11-1214-F
Date Collected: 12/08/14 15:40
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.031**		0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 17:25	1
Barium	**0.051**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 17:25	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 17:25	1
Cadmium	**0.0015**	**J**	0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 17:25	1
Calcium	**124**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 17:25	1
Chromium	ND		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 17:25	1
Cobalt	ND		0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 17:25	1
Copper	ND		0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 17:25	1
Iron	**0.38**		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 17:25	1
Lead	**0.014**		0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 17:25	1
Magnesium	**2.7**		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 17:25	1
Manganese	**0.016**		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 17:25	1
Nickel	**0.0057**	**J**	0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 17:25	1
Potassium	**288**	**^**	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 10:47	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 17:25	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 17:25	1
Sodium	**31.6**		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 17:25	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 17:25	1
Vanadium	**0.0035**	**J**	0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 17:25	1
Zinc	**0.0079**	**J B**	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 17:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 14:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.030**		0.010	0.0050	mg/L		12/17/14 13:26	12/19/14 09:54	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			12/12/14 10:46	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP8-1214-U
Date Collected: 12/08/14 16:40
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	**0.69**	**J**	4.8	0.46	ug/L		12/10/14 14:46	12/13/14 16:33	1
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L		12/10/14 14:46	12/13/14 16:33	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		12/10/14 14:46	12/13/14 16:33	1
2,4-Dimethylphenol	**1.5**	**J**	4.8	0.48	ug/L		12/10/14 14:46	12/13/14 16:33	1
2,4-Dinitrophenol	ND		9.6	2.1	ug/L		12/10/14 14:46	12/13/14 16:33	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		12/10/14 14:46	12/13/14 16:33	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 16:33	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		12/10/14 14:46	12/13/14 16:33	1
2-Chlorophenol	ND		4.8	0.51	ug/L		12/10/14 14:46	12/13/14 16:33	1
2-Methylnaphthalene	**1.9**	**J**	4.8	0.57	ug/L		12/10/14 14:46	12/13/14 16:33	1
2-Methylphenol	**1.2**	**J**	4.8	0.38	ug/L		12/10/14 14:46	12/13/14 16:33	1
2-Nitroaniline	ND		9.6	0.40	ug/L		12/10/14 14:46	12/13/14 16:33	1
2-Nitrophenol	ND		4.8	0.46	ug/L		12/10/14 14:46	12/13/14 16:33	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 16:33	1
3-Nitroaniline	ND	*	9.6	0.46	ug/L		12/10/14 14:46	12/13/14 16:33	1
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L		12/10/14 14:46	12/13/14 16:33	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		12/10/14 14:46	12/13/14 16:33	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		12/10/14 14:46	12/13/14 16:33	1
4-Chloroaniline	ND	*	4.8	0.57	ug/L		12/10/14 14:46	12/13/14 16:33	1
4-Chlorophenyl phenyl ether	ND		4.8	0.34	ug/L		12/10/14 14:46	12/13/14 16:33	1
4-Methylphenol	**3.5**	**J**	9.6	0.34	ug/L		12/10/14 14:46	12/13/14 16:33	1
4-Nitroaniline	ND	*	9.6	0.24	ug/L		12/10/14 14:46	12/13/14 16:33	1
4-Nitrophenol	ND		9.6	1.5	ug/L		12/10/14 14:46	12/13/14 16:33	1
Acenaphthene	**1.2**	**J**	4.8	0.39	ug/L		12/10/14 14:46	12/13/14 16:33	1
Acenaphthylene	ND		4.8	0.36	ug/L		12/10/14 14:46	12/13/14 16:33	1
Acetophenone	**1.0**	**J**	4.8	0.52	ug/L		12/10/14 14:46	12/13/14 16:33	1
Anthracene	ND		4.8	0.27	ug/L		12/10/14 14:46	12/13/14 16:33	1
Atrazine	ND		4.8	0.44	ug/L		12/10/14 14:46	12/13/14 16:33	1
Benzaldehyde	ND		4.8	0.26	ug/L		12/10/14 14:46	12/13/14 16:33	1
Benzo[a]anthracene	ND		4.8	0.34	ug/L		12/10/14 14:46	12/13/14 16:33	1
Benzo[a]pyrene	ND		4.8	0.45	ug/L		12/10/14 14:46	12/13/14 16:33	1
Benzo[b]fluoranthene	ND		4.8	0.33	ug/L		12/10/14 14:46	12/13/14 16:33	1
Benzo[g,h,i]perylene	ND		4.8	0.34	ug/L		12/10/14 14:46	12/13/14 16:33	1
Benzo[k]fluoranthene	ND		4.8	0.70	ug/L		12/10/14 14:46	12/13/14 16:33	1
Biphenyl	ND		4.8	0.63	ug/L		12/10/14 14:46	12/13/14 16:33	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		12/10/14 14:46	12/13/14 16:33	1
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L		12/10/14 14:46	12/13/14 16:33	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 16:33	1
Bis(2-ethylhexyl) phthalate	**4.3**	**J B**	4.8	1.7	ug/L		12/10/14 14:46	12/13/14 16:33	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		12/10/14 14:46	12/13/14 16:33	1
Caprolactam	ND		4.8	2.1	ug/L		12/10/14 14:46	12/13/14 16:33	1
Carbazole	**1.2**	**J ***	4.8	0.29	ug/L		12/10/14 14:46	12/13/14 16:33	1
Chrysene	ND		4.8	0.32	ug/L		12/10/14 14:46	12/13/14 16:33	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		12/10/14 14:46	12/13/14 16:33	1
Dibenzofuran	ND		9.6	0.49	ug/L		12/10/14 14:46	12/13/14 16:33	1
Diethyl phthalate	ND		4.8	0.21	ug/L		12/10/14 14:46	12/13/14 16:33	1
Dimethyl phthalate	ND		4.8	0.34	ug/L		12/10/14 14:46	12/13/14 16:33	1
Di-n-butyl phthalate	ND		4.8	0.30	ug/L		12/10/14 14:46	12/13/14 16:33	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		12/10/14 14:46	12/13/14 16:33	1

Client Sample ID: GW-TP8-1214-U
Date Collected: 12/08/14 16:40
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 16:33	1
Fluorene	**0.79**	**J**	4.8	0.34	ug/L		12/10/14 14:46	12/13/14 16:33	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		12/10/14 14:46	12/13/14 16:33	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		12/10/14 14:46	12/13/14 16:33	1
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L		12/10/14 14:46	12/13/14 16:33	1
Hexachloroethane	ND		4.8	0.57	ug/L		12/10/14 14:46	12/13/14 16:33	1
Indeno[1,2,3-cd]pyrene	ND		4.8	0.45	ug/L		12/10/14 14:46	12/13/14 16:33	1
Isophorone	ND		4.8	0.41	ug/L		12/10/14 14:46	12/13/14 16:33	1
Naphthalene	**7.9**		4.8	0.73	ug/L		12/10/14 14:46	12/13/14 16:33	1
Nitrobenzene	ND		4.8	0.28	ug/L		12/10/14 14:46	12/13/14 16:33	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		12/10/14 14:46	12/13/14 16:33	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		12/10/14 14:46	12/13/14 16:33	1
Pentachlorophenol	**8.7**	**J**	9.6	2.1	ug/L		12/10/14 14:46	12/13/14 16:33	1
Phenanthrene	**1.1**	**J**	4.8	0.42	ug/L		12/10/14 14:46	12/13/14 16:33	1
Phenol	**0.67**	**J**	4.8	0.37	ug/L		12/10/14 14:46	12/13/14 16:33	1
Pyrene	ND		4.8	0.33	ug/L		12/10/14 14:46	12/13/14 16:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*43*	*T J B*	*ug/L*		*2.81*		*12/10/14 14:46*	*12/13/14 16:33*	*1*
D-Limonene	*4.0*	*T J N*	*ug/L*		*5.96*	*5989-27-5*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimet	*4.2*	*T J N*	*ug/L*		*6.37*	*4695-62-9*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Cyclopentasiloxane, decamethyl-	*3.1*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Camphor	*7.3*	*T J N*	*ug/L*		*6.73*	*76-22-2*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Nonanoic acid	*3.2*	*T J N*	*ug/L*		*7.30*	*112-05-0*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.7*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
1H-Inden-1-one, 2,3-dihydro-	*2.4*	*T J N*	*ug/L*		*7.43*	*83-33-0*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Cyclohexanemethanol, 4-hydroxy-.alpha.,.	*2.7*	*T J N*	*ug/L*		*7.58*	*80-53-5*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Phenol, 3,4-dichloro-	*3.8*	*T J N*	*ug/L*		*7.97*	*95-77-2*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Naphthalene, 2,3-dimethyl-	*2.3*	*T J N*	*ug/L*		*8.10*	*581-40-8*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
4-Nitro-4'-chlorodiphenylsulphoxide	*2.8*	*T J N B*	*ug/L*		*8.14*	*24535-53-3*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Benzoic acid, 2,6-dichloro-	*2.3*	*T J N*	*ug/L*		*8.51*	*50-30-6*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*8.67*		*12/10/14 14:46*	*12/13/14 16:33*	*1*
Tetradecanoic acid	*5.3*	*T J N B*	*ug/L*		*10.10*	*544-63-8*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Podocarpa-8,11,13-trien-15-oic acid, 13-	*19*	*T J N B*	*ug/L*		*11.76*	*1000164-00-3*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Unknown	*10*	*T J B*	*ug/L*		*12.05*		*12/10/14 14:46*	*12/13/14 16:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*52 - 132*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
2-Fluorophenol (Surr)	*64*		*20 - 120*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 120*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
Phenol-d5 (Surr)	*40*		*16 - 120*	*12/10/14 14:46*	*12/13/14 16:33*	*1*
p-Terphenyl-d14 (Surr)	*74*		*67 - 150*	*12/10/14 14:46*	*12/13/14 16:33*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.5**		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 10:50	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 17:27	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP8-1214-U
Date Collected: 12/08/14 16:40
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015		0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 17:27	1
Barium	0.053		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 17:27	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 17:27	1
Cadmium	ND		0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 17:27	1
Calcium	111		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 17:27	1
Chromium	0.0021	J	0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 17:27	1
Cobalt	0.0019	J	0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 17:27	1
Copper	0.0045	J	0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 17:27	1
Iron	5.6		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 17:27	1
Lead	0.018		0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 17:27	1
Magnesium	0.71		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 17:27	1
Manganese	0.11		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 17:27	1
Nickel	0.0087	J	0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 17:27	1
Potassium	307	^	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 10:50	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 17:27	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 17:27	1
Sodium	58.0		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 17:27	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 17:27	1
Vanadium	0.0036	J	0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 17:27	1
Zinc	0.052	B	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 17:27	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	8.0	B	0.20	0.10	mg/L		12/18/14 09:21	12/19/14 11:12	20
Cyanide, Available	0.024		0.0020	0.0018	mg/L			12/12/14 10:48	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP8-1214-F
Date Collected: 12/08/14 17:00
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	**0.76**	**J**	5.2	0.50	ug/L		12/10/14 14:46	12/13/14 16:58	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		12/10/14 14:46	12/13/14 16:58	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		12/10/14 14:46	12/13/14 16:58	1
2,4-Dimethylphenol	**1.8**	**J**	5.2	0.52	ug/L		12/10/14 14:46	12/13/14 16:58	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		12/10/14 14:46	12/13/14 16:58	1
2,4-Dinitrotoluene	ND		5.2	0.46	ug/L		12/10/14 14:46	12/13/14 16:58	1
2,6-Dinitrotoluene	ND		5.2	0.41	ug/L		12/10/14 14:46	12/13/14 16:58	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		12/10/14 14:46	12/13/14 16:58	1
2-Chlorophenol	ND		5.2	0.55	ug/L		12/10/14 14:46	12/13/14 16:58	1
2-Methylnaphthalene	**1.5**	**J**	5.2	0.62	ug/L		12/10/14 14:46	12/13/14 16:58	1
2-Methylphenol	**1.4**	**J**	5.2	0.41	ug/L		12/10/14 14:46	12/13/14 16:58	1
2-Nitroaniline	ND		10	0.43	ug/L		12/10/14 14:46	12/13/14 16:58	1
2-Nitrophenol	ND		5.2	0.50	ug/L		12/10/14 14:46	12/13/14 16:58	1
3,3'-Dichlorobenzidine	ND		5.2	0.41	ug/L		12/10/14 14:46	12/13/14 16:58	1
3-Nitroaniline	ND	*	10	0.50	ug/L		12/10/14 14:46	12/13/14 16:58	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		12/10/14 14:46	12/13/14 16:58	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		12/10/14 14:46	12/13/14 16:58	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		12/10/14 14:46	12/13/14 16:58	1
4-Chloroaniline	ND	*	5.2	0.61	ug/L		12/10/14 14:46	12/13/14 16:58	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		12/10/14 14:46	12/13/14 16:58	1
4-Methylphenol	**4.2**	**J**	10	0.37	ug/L		12/10/14 14:46	12/13/14 16:58	1
4-Nitroaniline	ND	*	10	0.26	ug/L		12/10/14 14:46	12/13/14 16:58	1
4-Nitrophenol	ND		10	1.6	ug/L		12/10/14 14:46	12/13/14 16:58	1
Acenaphthene	**0.97**	**J**	5.2	0.42	ug/L		12/10/14 14:46	12/13/14 16:58	1
Acenaphthylene	ND		5.2	0.39	ug/L		12/10/14 14:46	12/13/14 16:58	1
Acetophenone	**0.96**	**J**	5.2	0.56	ug/L		12/10/14 14:46	12/13/14 16:58	1
Anthracene	ND		5.2	0.29	ug/L		12/10/14 14:46	12/13/14 16:58	1
Atrazine	ND		5.2	0.48	ug/L		12/10/14 14:46	12/13/14 16:58	1
Benzaldehyde	**0.38**	**J**	5.2	0.28	ug/L		12/10/14 14:46	12/13/14 16:58	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		12/10/14 14:46	12/13/14 16:58	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		12/10/14 14:46	12/13/14 16:58	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		12/10/14 14:46	12/13/14 16:58	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		12/10/14 14:46	12/13/14 16:58	1
Benzo[k]fluoranthene	ND		5.2	0.75	ug/L		12/10/14 14:46	12/13/14 16:58	1
Biphenyl	ND		5.2	0.67	ug/L		12/10/14 14:46	12/13/14 16:58	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		12/10/14 14:46	12/13/14 16:58	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		12/10/14 14:46	12/13/14 16:58	1
Bis(2-chloroethyl)ether	ND		5.2	0.41	ug/L		12/10/14 14:46	12/13/14 16:58	1
Bis(2-ethylhexyl) phthalate	**4.9**	**J B**	5.2	1.9	ug/L		12/10/14 14:46	12/13/14 16:58	1
Butyl benzyl phthalate	ND		5.2	0.43	ug/L		12/10/14 14:46	12/13/14 16:58	1
Caprolactam	ND		5.2	2.3	ug/L		12/10/14 14:46	12/13/14 16:58	1
Carbazole	ND	*	5.2	0.31	ug/L		12/10/14 14:46	12/13/14 16:58	1
Chrysene	ND		5.2	0.34	ug/L		12/10/14 14:46	12/13/14 16:58	1
Dibenz(a,h)anthracene	ND		5.2	0.43	ug/L		12/10/14 14:46	12/13/14 16:58	1
Dibenzofuran	ND		10	0.53	ug/L		12/10/14 14:46	12/13/14 16:58	1
Diethyl phthalate	ND		5.2	0.23	ug/L		12/10/14 14:46	12/13/14 16:58	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		12/10/14 14:46	12/13/14 16:58	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		12/10/14 14:46	12/13/14 16:58	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		12/10/14 14:46	12/13/14 16:58	1

Client Sample ID: GW-TP8-1214-F
Date Collected: 12/08/14 17:00
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.41	ug/L		12/10/14 14:46	12/13/14 16:58	1
Fluorene	ND		5.2	0.37	ug/L		12/10/14 14:46	12/13/14 16:58	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		12/10/14 14:46	12/13/14 16:58	1
Hexachlorobutadiene	ND		5.2	0.70	ug/L		12/10/14 14:46	12/13/14 16:58	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		12/10/14 14:46	12/13/14 16:58	1
Hexachloroethane	ND		5.2	0.61	ug/L		12/10/14 14:46	12/13/14 16:58	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		12/10/14 14:46	12/13/14 16:58	1
Isophorone	ND		5.2	0.44	ug/L		12/10/14 14:46	12/13/14 16:58	1
Naphthalene	**8.2**		5.2	0.79	ug/L		12/10/14 14:46	12/13/14 16:58	1
Nitrobenzene	ND		5.2	0.30	ug/L		12/10/14 14:46	12/13/14 16:58	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		12/10/14 14:46	12/13/14 16:58	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		12/10/14 14:46	12/13/14 16:58	1
Pentachlorophenol	**9.5**	**J**	10	2.3	ug/L		12/10/14 14:46	12/13/14 16:58	1
Phenanthrene	ND		5.2	0.45	ug/L		12/10/14 14:46	12/13/14 16:58	1
Phenol	**0.81**	**J**	5.2	0.40	ug/L		12/10/14 14:46	12/13/14 16:58	1
Pyrene	ND		5.2	0.35	ug/L		12/10/14 14:46	12/13/14 16:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*62*	*T J*	*ug/L*		*2.83*		*12/10/14 14:46*	*12/13/14 16:58*	*1*
Cyclotetrasiloxane, octamethyl-	*2.8*	*T J N B*	*ug/L*		*5.56*	*556-67-2*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
D-Limonene	*6.8*	*T J N*	*ug/L*		*5.97*	*5989-27-5*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
L-Fenchone	*4.8*	*T J N*	*ug/L*		*6.37*	*126-21-6*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
Cyclopentasiloxane, decamethyl-	*3.1*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
Camphor	*7.4*	*T J N*	*ug/L*		*6.73*	*76-22-2*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
Unknown	*4.4*	*T J*	*ug/L*		*6.82*		*12/10/14 14:46*	*12/13/14 16:58*	*1*
3-Cyclohexen-1-ol, 4-methyl-1-(1-methyle	*2.7*	*T J N*	*ug/L*		*6.89*	*562-74-3*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
Nonanoic acid	*2.7*	*T J N*	*ug/L*		*7.31*	*112-05-0*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.4*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*7.59*		*12/10/14 14:46*	*12/13/14 16:58*	*1*
Phenol, 3,5-dichloro-	*3.9*	*T J N*	*ug/L*		*7.98*	*591-35-5*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
Unknown	*2.2*	*T J B*	*ug/L*		*8.14*		*12/10/14 14:46*	*12/13/14 16:58*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*8.67*		*12/10/14 14:46*	*12/13/14 16:58*	*1*
n-Hexadecanoic acid	*9.9*	*T J N B*	*ug/L*		*10.10*	*57-10-3*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
Octadecanoic acid	*8.8*	*T J N*	*ug/L*		*10.74*	*57-11-4*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
1-Phenanthrenecarboxylic acid, 1,2,3,4,4	*20*	*T J N*	*ug/L*		*11.77*	*5155-70-4*	*12/10/14 14:46*	*12/13/14 16:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*52 - 132*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
2-Fluorophenol (Surr)	*82*		*20 - 120*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 120*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
Phenol-d5 (Surr)	*48*		*16 - 120*	*12/10/14 14:46*	*12/13/14 16:58*	*1*
p-Terphenyl-d14 (Surr)	*89*		*67 - 150*	*12/10/14 14:46*	*12/13/14 16:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.97**		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 10:53	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 17:38	1
Arsenic	**0.011**	**J**	0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 17:38	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP8-1214-F
Date Collected: 12/08/14 17:00
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.046**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 17:38	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 17:38	1
Cadmium	**0.0012**	**J**	0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 17:38	1
Calcium	**109**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 17:38	1
Chromium	ND		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 17:38	1
Cobalt	**0.0016**	**J**	0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 17:38	1
Copper	**0.029**		0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 17:38	1
Iron	**2.5**		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 17:38	1
Lead	**0.013**		0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 17:38	1
Magnesium	**0.049**	**J**	0.20	0.043	mg/L		12/10/14 12:22	12/11/14 17:38	1
Manganese	**0.00043**	**J**	0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 17:38	1
Nickel	**0.011**		0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 17:38	1
Potassium	**294**	**^**	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 10:53	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 17:38	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 17:38	1
Sodium	**57.5**		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 17:38	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 17:38	1
Vanadium	**0.0037**	**J**	0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 17:38	1
Zinc	**0.0098**	**J B**	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 17:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 14:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**6.9**	**B**	0.20	0.10	mg/L		12/18/14 09:21	12/19/14 11:17	20
Cyanide, Available	**0.12**		0.0020	0.0018	mg/L			12/12/14 10:49	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP1-1214-U
Date Collected: 12/09/14 08:05
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		12/10/14 14:46	12/13/14 17:23	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		12/10/14 14:46	12/13/14 17:23	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		12/10/14 14:46	12/13/14 17:23	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		12/10/14 14:46	12/13/14 17:23	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		12/10/14 14:46	12/13/14 17:23	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		12/10/14 14:46	12/13/14 17:23	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 17:23	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		12/10/14 14:46	12/13/14 17:23	1
2-Chlorophenol	ND		4.9	0.52	ug/L		12/10/14 14:46	12/13/14 17:23	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		12/10/14 14:46	12/13/14 17:23	1
2-Methylphenol	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 17:23	1
2-Nitroaniline	ND		9.8	0.41	ug/L		12/10/14 14:46	12/13/14 17:23	1
2-Nitrophenol	ND		4.9	0.47	ug/L		12/10/14 14:46	12/13/14 17:23	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 17:23	1
3-Nitroaniline	ND	*	9.8	0.47	ug/L		12/10/14 14:46	12/13/14 17:23	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.2	ug/L		12/10/14 14:46	12/13/14 17:23	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		12/10/14 14:46	12/13/14 17:23	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		12/10/14 14:46	12/13/14 17:23	1
4-Chloroaniline	ND	*	4.9	0.58	ug/L		12/10/14 14:46	12/13/14 17:23	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		12/10/14 14:46	12/13/14 17:23	1
4-Methylphenol	ND		9.8	0.35	ug/L		12/10/14 14:46	12/13/14 17:23	1
4-Nitroaniline	ND	*	9.8	0.25	ug/L		12/10/14 14:46	12/13/14 17:23	1
4-Nitrophenol	ND		9.8	1.5	ug/L		12/10/14 14:46	12/13/14 17:23	1
Acenaphthene	**11**		4.9	0.40	ug/L		12/10/14 14:46	12/13/14 17:23	1
Acenaphthylene	ND		4.9	0.37	ug/L		12/10/14 14:46	12/13/14 17:23	1
Acetophenone	ND		4.9	0.53	ug/L		12/10/14 14:46	12/13/14 17:23	1
Anthracene	**1.6**	**J**	4.9	0.28	ug/L		12/10/14 14:46	12/13/14 17:23	1
Atrazine	ND		4.9	0.45	ug/L		12/10/14 14:46	12/13/14 17:23	1
Benzaldehyde	**0.84**	**J**	4.9	0.26	ug/L		12/10/14 14:46	12/13/14 17:23	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		12/10/14 14:46	12/13/14 17:23	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		12/10/14 14:46	12/13/14 17:23	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		12/10/14 14:46	12/13/14 17:23	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		12/10/14 14:46	12/13/14 17:23	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		12/10/14 14:46	12/13/14 17:23	1
Biphenyl	ND		4.9	0.64	ug/L		12/10/14 14:46	12/13/14 17:23	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		12/10/14 14:46	12/13/14 17:23	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		12/10/14 14:46	12/13/14 17:23	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 17:23	1
Bis(2-ethylhexyl) phthalate	**4.3**	**J B**	4.9	1.8	ug/L		12/10/14 14:46	12/13/14 17:23	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		12/10/14 14:46	12/13/14 17:23	1
Caprolactam	ND		4.9	2.2	ug/L		12/10/14 14:46	12/13/14 17:23	1
Carbazole	**12**	*****	4.9	0.30	ug/L		12/10/14 14:46	12/13/14 17:23	1
Chrysene	ND		4.9	0.32	ug/L		12/10/14 14:46	12/13/14 17:23	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		12/10/14 14:46	12/13/14 17:23	1
Dibenzofuran	**3.9**	**J**	9.8	0.50	ug/L		12/10/14 14:46	12/13/14 17:23	1
Diethyl phthalate	ND		4.9	0.22	ug/L		12/10/14 14:46	12/13/14 17:23	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		12/10/14 14:46	12/13/14 17:23	1
Di-n-butyl phthalate	ND		4.9	0.31	ug/L		12/10/14 14:46	12/13/14 17:23	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		12/10/14 14:46	12/13/14 17:23	1

Client Sample ID: GW-TP1-1214-U
Date Collected: 12/09/14 08:05
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1.5**	**J**	4.9	0.39	ug/L		12/10/14 14:46	12/13/14 17:23	1
Fluorene	**9.4**		4.9	0.35	ug/L		12/10/14 14:46	12/13/14 17:23	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		12/10/14 14:46	12/13/14 17:23	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		12/10/14 14:46	12/13/14 17:23	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		12/10/14 14:46	12/13/14 17:23	1
Hexachloroethane	ND		4.9	0.58	ug/L		12/10/14 14:46	12/13/14 17:23	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		12/10/14 14:46	12/13/14 17:23	1
Isophorone	ND		4.9	0.42	ug/L		12/10/14 14:46	12/13/14 17:23	1
Naphthalene	ND		4.9	0.75	ug/L		12/10/14 14:46	12/13/14 17:23	1
Nitrobenzene	ND		4.9	0.29	ug/L		12/10/14 14:46	12/13/14 17:23	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		12/10/14 14:46	12/13/14 17:23	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		12/10/14 14:46	12/13/14 17:23	1
Pentachlorophenol	ND		9.8	2.2	ug/L		12/10/14 14:46	12/13/14 17:23	1
Phenanthrene	**0.57**	**J**	4.9	0.43	ug/L		12/10/14 14:46	12/13/14 17:23	1
Phenol	ND		4.9	0.38	ug/L		12/10/14 14:46	12/13/14 17:23	1
Pyrene	**1.0**	**J**	4.9	0.33	ug/L		12/10/14 14:46	12/13/14 17:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*46*	*T J B*	*ug/L*		*2.84*		*12/10/14 14:46*	*12/13/14 17:23*	*1*
D-Limonene	*7.3*	*T J N*	*ug/L*		*5.97*	*5989-27-5*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Indane	*3.4*	*T J N B*	*ug/L*		*6.02*	*496-11-7*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Benzyl alcohol	*1.0*	*J B*	*ug/L*		*6.04*	*100-51-6*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Cyclopentasiloxane, decamethyl-	*3.0*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Bicyclo[3.1.1]heptan-2-one, 6,6-dimethyl	*2.2*	*T J N*	*ug/L*		*6.68*	*38651-65-9*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Nonanoic acid	*2.2*	*T J N*	*ug/L*		*7.31*	*112-05-0*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.2*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Unknown	*1.7*	*T J B*	*ug/L*		*8.14*		*12/10/14 14:46*	*12/13/14 17:23*	*1*
Benzoic acid, 2,6-dichloro-	*2.7*	*T J N*	*ug/L*		*8.52*	*50-30-6*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Tributyl phosphate	*1.1*	*J B*	*ug/L*		*8.95*	*126-73-8*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Benzenesulfonamide, N-ethyl-4-methyl-	*2.6*	*T J N*	*ug/L*		*9.32*	*80-39-7*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
n-Hexadecanoic acid	*3.1*	*T J N B*	*ug/L*		*10.09*	*57-10-3*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*10.13*		*12/10/14 14:46*	*12/13/14 17:23*	*1*
Methylcarbazole	*1.9*	*T J N*	*ug/L*		*10.26*	*27323-29-1*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Unknown	*6.7*	*T J B*	*ug/L*		*11.14*		*12/10/14 14:46*	*12/13/14 17:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*52 - 132*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
2-Fluorophenol (Surr)	*77*		*20 - 120*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 120*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
Phenol-d5 (Surr)	*46*		*16 - 120*	*12/10/14 14:46*	*12/13/14 17:23*	*1*
p-Terphenyl-d14 (Surr)	*61*	*X*	*67 - 150*	*12/10/14 14:46*	*12/13/14 17:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.12**	**J**	0.20	0.060	mg/L		12/10/14 12:22	12/12/14 10:55	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 17:41	1
Arsenic	ND		0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 17:41	1
Barium	**0.44**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 17:41	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP1-1214-U
Date Collected: 12/09/14 08:05
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 17:41	1
Cadmium	**0.00054**	**J**	0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 17:41	1
Calcium	**76.7**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 17:41	1
Chromium	ND		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 17:41	1
Cobalt	ND		0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 17:41	1
Copper	**0.0023**	**J**	0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 17:41	1
Iron	**2.9**		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 17:41	1
Lead	**0.028**		0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 17:41	1
Magnesium	**139**		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 17:41	1
Manganese	**0.091**		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 17:41	1
Nickel	ND		0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 17:41	1
Potassium	**199**	**^**	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 10:55	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 17:41	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 17:41	1
Sodium	**42.5**		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 17:41	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 17:41	1
Vanadium	**0.0032**	**J**	0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 17:41	1
Zinc	**0.026**	**B**	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 17:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 14:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.047**		0.010	0.0050	mg/L		12/17/14 13:26	12/19/14 09:57	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			12/12/14 10:51	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP1-1214-F
Date Collected: 12/09/14 08:15
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		12/10/14 14:46	12/13/14 17:48	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		12/10/14 14:46	12/13/14 17:48	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		12/10/14 14:46	12/13/14 17:48	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		12/10/14 14:46	12/13/14 17:48	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		12/10/14 14:46	12/13/14 17:48	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		12/10/14 14:46	12/13/14 17:48	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 17:48	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		12/10/14 14:46	12/13/14 17:48	1
2-Chlorophenol	ND		4.9	0.52	ug/L		12/10/14 14:46	12/13/14 17:48	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		12/10/14 14:46	12/13/14 17:48	1
2-Methylphenol	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 17:48	1
2-Nitroaniline	ND		9.8	0.41	ug/L		12/10/14 14:46	12/13/14 17:48	1
2-Nitrophenol	ND		4.9	0.47	ug/L		12/10/14 14:46	12/13/14 17:48	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 17:48	1
3-Nitroaniline	ND	*	9.8	0.47	ug/L		12/10/14 14:46	12/13/14 17:48	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.2	ug/L		12/10/14 14:46	12/13/14 17:48	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		12/10/14 14:46	12/13/14 17:48	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		12/10/14 14:46	12/13/14 17:48	1
4-Chloroaniline	ND	*	4.9	0.58	ug/L		12/10/14 14:46	12/13/14 17:48	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		12/10/14 14:46	12/13/14 17:48	1
4-Methylphenol	ND		9.8	0.35	ug/L		12/10/14 14:46	12/13/14 17:48	1
4-Nitroaniline	ND	*	9.8	0.24	ug/L		12/10/14 14:46	12/13/14 17:48	1
4-Nitrophenol	ND		9.8	1.5	ug/L		12/10/14 14:46	12/13/14 17:48	1
Acenaphthene	**10**		4.9	0.40	ug/L		12/10/14 14:46	12/13/14 17:48	1
Acenaphthylene	ND		4.9	0.37	ug/L		12/10/14 14:46	12/13/14 17:48	1
Acetophenone	ND		4.9	0.53	ug/L		12/10/14 14:46	12/13/14 17:48	1
Anthracene	**0.28**	**J**	4.9	0.27	ug/L		12/10/14 14:46	12/13/14 17:48	1
Atrazine	ND		4.9	0.45	ug/L		12/10/14 14:46	12/13/14 17:48	1
Benzaldehyde	**0.89**	**J**	4.9	0.26	ug/L		12/10/14 14:46	12/13/14 17:48	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		12/10/14 14:46	12/13/14 17:48	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		12/10/14 14:46	12/13/14 17:48	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		12/10/14 14:46	12/13/14 17:48	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		12/10/14 14:46	12/13/14 17:48	1
Benzo[k]fluoranthene	ND		4.9	0.71	ug/L		12/10/14 14:46	12/13/14 17:48	1
Biphenyl	ND		4.9	0.64	ug/L		12/10/14 14:46	12/13/14 17:48	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		12/10/14 14:46	12/13/14 17:48	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		12/10/14 14:46	12/13/14 17:48	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 17:48	1
Bis(2-ethylhexyl) phthalate	**4.3**	**J B**	4.9	1.8	ug/L		12/10/14 14:46	12/13/14 17:48	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		12/10/14 14:46	12/13/14 17:48	1
Caprolactam	ND		4.9	2.2	ug/L		12/10/14 14:46	12/13/14 17:48	1
Carbazole	**6.0**	*****	4.9	0.29	ug/L		12/10/14 14:46	12/13/14 17:48	1
Chrysene	ND		4.9	0.32	ug/L		12/10/14 14:46	12/13/14 17:48	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		12/10/14 14:46	12/13/14 17:48	1
Dibenzofuran	**1.8**	**J**	9.8	0.50	ug/L		12/10/14 14:46	12/13/14 17:48	1
Diethyl phthalate	ND		4.9	0.22	ug/L		12/10/14 14:46	12/13/14 17:48	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		12/10/14 14:46	12/13/14 17:48	1
Di-n-butyl phthalate	**0.35**	**J**	4.9	0.30	ug/L		12/10/14 14:46	12/13/14 17:48	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		12/10/14 14:46	12/13/14 17:48	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP1-1214-F
Date Collected: 12/09/14 08:15
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 17:48	1
Fluorene	**5.6**		4.9	0.35	ug/L		12/10/14 14:46	12/13/14 17:48	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		12/10/14 14:46	12/13/14 17:48	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		12/10/14 14:46	12/13/14 17:48	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		12/10/14 14:46	12/13/14 17:48	1
Hexachloroethane	ND		4.9	0.58	ug/L		12/10/14 14:46	12/13/14 17:48	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		12/10/14 14:46	12/13/14 17:48	1
Isophorone	ND		4.9	0.42	ug/L		12/10/14 14:46	12/13/14 17:48	1
Naphthalene	ND		4.9	0.74	ug/L		12/10/14 14:46	12/13/14 17:48	1
Nitrobenzene	ND		4.9	0.28	ug/L		12/10/14 14:46	12/13/14 17:48	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		12/10/14 14:46	12/13/14 17:48	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		12/10/14 14:46	12/13/14 17:48	1
Pentachlorophenol	ND		9.8	2.2	ug/L		12/10/14 14:46	12/13/14 17:48	1
Phenanthrene	ND		4.9	0.43	ug/L		12/10/14 14:46	12/13/14 17:48	1
Phenol	ND		4.9	0.38	ug/L		12/10/14 14:46	12/13/14 17:48	1
Pyrene	ND		4.9	0.33	ug/L		12/10/14 14:46	12/13/14 17:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*49*	*T J B*	*ug/L*		*2.85*		*12/10/14 14:46*	*12/13/14 17:48*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*4.46*		*12/10/14 14:46*	*12/13/14 17:48*	*1*
Cyclotetrasiloxane, octamethyl-	*2.8*	*T J N B*	*ug/L*		*5.57*	*556-67-2*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
1-Hexanol, 2-ethyl-	*8.1*	*T J N*	*ug/L*		*5.97*	*104-76-7*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Indane	*3.1*	*T J N B*	*ug/L*		*6.02*	*496-11-7*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Cyclopentasiloxane, decamethyl-	*3.1*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Bicyclo[3.1.1]heptan-2-one, 6,6-dimethyl	*2.3*	*T J N*	*ug/L*		*6.68*	*38651-65-9*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Nonanoic acid	*5.2*	*T J N*	*ug/L*		*7.32*	*112-05-0*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.0*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*7.62*		*12/10/14 14:46*	*12/13/14 17:48*	*1*
Unknown	*1.7*	*T J B*	*ug/L*		*8.14*		*12/10/14 14:46*	*12/13/14 17:48*	*1*
Benzoic acid, 2,4-dichloro-	*2.1*	*T J N*	*ug/L*		*8.53*	*50-84-0*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Tributyl phosphate	*1.1*	*J B*	*ug/L*		*8.95*	*126-73-8*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*9.08*		*12/10/14 14:46*	*12/13/14 17:48*	*1*
Benzenesulfonamide, 4-methyl-	*1.8*	*T J N*	*ug/L*		*9.15*	*70-55-3*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Benzenesulfonamide, N-ethyl-4-methyl-	*2.3*	*T J N*	*ug/L*		*9.32*	*80-39-7*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Tetradecanoic acid	*17*	*T J N*	*ug/L*		*10.10*	*544-63-8*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Octadecanoic acid	*6.3*	*T J N*	*ug/L*		*10.74*	*57-11-4*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Erucylamide	*3.7*	*T J N*	*ug/L*		*12.90*	*112-84-5*	*12/10/14 14:46*	*12/13/14 17:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*52 - 132*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
2-Fluorophenol (Surr)	*77*		*20 - 120*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 120*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
Phenol-d5 (Surr)	*45*		*16 - 120*	*12/10/14 14:46*	*12/13/14 17:48*	*1*
p-Terphenyl-d14 (Surr)	*61*	*X*	*67 - 150*	*12/10/14 14:46*	*12/13/14 17:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 10:58	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP1-1214-F
Date Collected: 12/09/14 08:15
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-6
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 17:44	1
Arsenic	ND		0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 17:44	1
Barium	**0.43**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 17:44	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 17:44	1
Cadmium	ND		0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 17:44	1
Calcium	**72.5**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 17:44	1
Chromium	ND		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 17:44	1
Cobalt	ND		0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 17:44	1
Copper	ND		0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 17:44	1
Iron	**1.8**		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 17:44	1
Lead	**0.0050**	**J**	0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 17:44	1
Magnesium	**134**		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 17:44	1
Manganese	**0.079**		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 17:44	1
Nickel	ND		0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 17:44	1
Potassium	**199**	**^**	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 10:58	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 17:44	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 17:44	1
Sodium	**40.8**		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 17:44	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 17:44	1
Vanadium	**0.0026**	**J**	0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 17:44	1
Zinc	**0.0054**	**J B**	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 17:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 14:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.047**		0.010	0.0050	mg/L		12/17/14 13:26	12/19/14 09:59	1
Cyanide, Available	**0.0040**		0.0020	0.0018	mg/L			12/12/14 10:52	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP2-1214-U
Date Collected: 12/09/14 09:15
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/10/14 14:46	12/13/14 18:12	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/10/14 14:46	12/13/14 18:12	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/10/14 14:46	12/13/14 18:12	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		12/10/14 14:46	12/13/14 18:12	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		12/10/14 14:46	12/13/14 18:12	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/10/14 14:46	12/13/14 18:12	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 18:12	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/10/14 14:46	12/13/14 18:12	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/10/14 14:46	12/13/14 18:12	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/10/14 14:46	12/13/14 18:12	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 18:12	1
2-Nitroaniline	ND		10	0.42	ug/L		12/10/14 14:46	12/13/14 18:12	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/10/14 14:46	12/13/14 18:12	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 18:12	1
3-Nitroaniline	ND	*	10	0.48	ug/L		12/10/14 14:46	12/13/14 18:12	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/10/14 14:46	12/13/14 18:12	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/10/14 14:46	12/13/14 18:12	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/10/14 14:46	12/13/14 18:12	1
4-Chloroaniline	ND	*	5.0	0.59	ug/L		12/10/14 14:46	12/13/14 18:12	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/10/14 14:46	12/13/14 18:12	1
4-Methylphenol	ND		10	0.36	ug/L		12/10/14 14:46	12/13/14 18:12	1
4-Nitroaniline	ND	*	10	0.25	ug/L		12/10/14 14:46	12/13/14 18:12	1
4-Nitrophenol	ND		10	1.5	ug/L		12/10/14 14:46	12/13/14 18:12	1
Acenaphthene	ND		5.0	0.41	ug/L		12/10/14 14:46	12/13/14 18:12	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/10/14 14:46	12/13/14 18:12	1
Acetophenone	ND		5.0	0.54	ug/L		12/10/14 14:46	12/13/14 18:12	1
Anthracene	ND		5.0	0.28	ug/L		12/10/14 14:46	12/13/14 18:12	1
Atrazine	ND		5.0	0.46	ug/L		12/10/14 14:46	12/13/14 18:12	1
Benzaldehyde	ND		5.0	0.27	ug/L		12/10/14 14:46	12/13/14 18:12	1
Benzo[a]anthracene	**0.43**	**J**	5.0	0.36	ug/L		12/10/14 14:46	12/13/14 18:12	1
Benzo[a]pyrene	**0.77**	**J**	5.0	0.47	ug/L		12/10/14 14:46	12/13/14 18:12	1
Benzo[b]fluoranthene	**1.0**	**J**	5.0	0.34	ug/L		12/10/14 14:46	12/13/14 18:12	1
Benzo[g,h,i]perylene	**0.56**	**J**	5.0	0.35	ug/L		12/10/14 14:46	12/13/14 18:12	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/10/14 14:46	12/13/14 18:12	1
Biphenyl	ND		5.0	0.65	ug/L		12/10/14 14:46	12/13/14 18:12	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/10/14 14:46	12/13/14 18:12	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/10/14 14:46	12/13/14 18:12	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 18:12	1
Bis(2-ethylhexyl) phthalate	**5.8**	**B**	5.0	1.8	ug/L		12/10/14 14:46	12/13/14 18:12	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		12/10/14 14:46	12/13/14 18:12	1
Caprolactam	ND		5.0	2.2	ug/L		12/10/14 14:46	12/13/14 18:12	1
Carbazole	ND	*	5.0	0.30	ug/L		12/10/14 14:46	12/13/14 18:12	1
Chrysene	**0.47**	**J**	5.0	0.33	ug/L		12/10/14 14:46	12/13/14 18:12	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/10/14 14:46	12/13/14 18:12	1
Dibenzofuran	ND		10	0.51	ug/L		12/10/14 14:46	12/13/14 18:12	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/10/14 14:46	12/13/14 18:12	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/10/14 14:46	12/13/14 18:12	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/10/14 14:46	12/13/14 18:12	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/10/14 14:46	12/13/14 18:12	1

Client Sample ID: GW-TP2-1214-U
Date Collected: 12/09/14 09:15
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**0.50**	**J**	5.0	0.40	ug/L		12/10/14 14:46	12/13/14 18:12	1
Fluorene	ND		5.0	0.36	ug/L		12/10/14 14:46	12/13/14 18:12	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/10/14 14:46	12/13/14 18:12	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/10/14 14:46	12/13/14 18:12	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/10/14 14:46	12/13/14 18:12	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/10/14 14:46	12/13/14 18:12	1
Indeno[1,2,3-cd]pyrene	**0.52**	**J**	5.0	0.47	ug/L		12/10/14 14:46	12/13/14 18:12	1
Isophorone	ND		5.0	0.43	ug/L		12/10/14 14:46	12/13/14 18:12	1
Naphthalene	ND		5.0	0.76	ug/L		12/10/14 14:46	12/13/14 18:12	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/10/14 14:46	12/13/14 18:12	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/10/14 14:46	12/13/14 18:12	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/10/14 14:46	12/13/14 18:12	1
Pentachlorophenol	ND		10	2.2	ug/L		12/10/14 14:46	12/13/14 18:12	1
Phenanthrene	ND		5.0	0.44	ug/L		12/10/14 14:46	12/13/14 18:12	1
Phenol	ND		5.0	0.39	ug/L		12/10/14 14:46	12/13/14 18:12	1
Pyrene	**0.53**	**J**	5.0	0.34	ug/L		12/10/14 14:46	12/13/14 18:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*63*	*T J*	*ug/L*		*2.91*		*12/10/14 14:46*	*12/13/14 18:12*	*1*
Unknown	*27*	*T J*	*ug/L*		*4.49*		*12/10/14 14:46*	*12/13/14 18:12*	*1*
Cyclotetrasiloxane, octamethyl-	*3.5*	*T J N B*	*ug/L*		*5.57*	*556-67-2*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
1-Hexanol, 2-ethyl-	*8.3*	*T J N*	*ug/L*		*5.97*	*104-76-7*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
Benzyl alcohol	*0.75*	*J B*	*ug/L*		*6.04*	*100-51-6*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
Cyclopentasiloxane, decamethyl-	*3.7*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
Nonanoic acid	*1.9*	*T J N*	*ug/L*		*7.31*	*112-05-0*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.4*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
n-Hexadecanoic acid	*6.2*	*T J N*	*ug/L*		*10.10*	*57-10-3*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
Octadecanoic acid	*5.5*	*T J N*	*ug/L*		*10.74*	*57-11-4*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
Unknown	*7.6*	*T J B*	*ug/L*		*11.14*		*12/10/14 14:46*	*12/13/14 18:12*	*1*
Unknown	*14*	*T J B*	*ug/L*		*12.04*		*12/10/14 14:46*	*12/13/14 18:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*52 - 132*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
2-Fluorophenol (Surr)	*83*		*20 - 120*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
Phenol-d5 (Surr)	*51*		*16 - 120*	*12/10/14 14:46*	*12/13/14 18:12*	*1*
p-Terphenyl-d14 (Surr)	*81*		*67 - 150*	*12/10/14 14:46*	*12/13/14 18:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**32.7**		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 11:01	1
Antimony	**0.013**	**J**	0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 17:47	1
Arsenic	**0.047**		0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 17:47	1
Barium	**0.30**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 17:47	1
Beryllium	**0.0025**		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 17:47	1
Cadmium	**0.0045**		0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 17:47	1
Calcium	**188**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 17:47	1
Chromium	**0.10**		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 17:47	1
Cobalt	**0.016**		0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 17:47	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP2-1214-U
Date Collected: 12/09/14 09:15
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-7
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.43		0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 17:47	1
Iron	132		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 17:47	1
Lead	0.74		0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 17:47	1
Magnesium	34.4		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 17:47	1
Manganese	4.3		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 17:47	1
Nickel	0.076		0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 17:47	1
Potassium	196	^	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 11:01	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 17:47	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 17:47	1
Sodium	74.5		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 17:47	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 17:47	1
Vanadium	0.061		0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 17:47	1
Zinc	1.4	B	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 17:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00028		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 14:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.24		0.010	0.0050	mg/L		12/17/14 13:26	12/19/14 10:01	1
Cyanide, Available	0.0050		0.0020	0.0018	mg/L			12/12/14 10:54	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP2-1214-F
Date Collected: 12/09/14 09:25
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/10/14 14:46	12/13/14 18:37	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/10/14 14:46	12/13/14 18:37	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/10/14 14:46	12/13/14 18:37	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		12/10/14 14:46	12/13/14 18:37	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		12/10/14 14:46	12/13/14 18:37	1
2,4-Dinitrotoluene	ND		5.0	0.44	ug/L		12/10/14 14:46	12/13/14 18:37	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 18:37	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/10/14 14:46	12/13/14 18:37	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/10/14 14:46	12/13/14 18:37	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/10/14 14:46	12/13/14 18:37	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 18:37	1
2-Nitroaniline	ND		9.9	0.42	ug/L		12/10/14 14:46	12/13/14 18:37	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/10/14 14:46	12/13/14 18:37	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 18:37	1
3-Nitroaniline	ND	*	9.9	0.48	ug/L		12/10/14 14:46	12/13/14 18:37	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		12/10/14 14:46	12/13/14 18:37	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/10/14 14:46	12/13/14 18:37	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/10/14 14:46	12/13/14 18:37	1
4-Chloroaniline	ND	*	5.0	0.59	ug/L		12/10/14 14:46	12/13/14 18:37	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/10/14 14:46	12/13/14 18:37	1
4-Methylphenol	**0.43**	**J**	9.9	0.36	ug/L		12/10/14 14:46	12/13/14 18:37	1
4-Nitroaniline	ND	*	9.9	0.25	ug/L		12/10/14 14:46	12/13/14 18:37	1
4-Nitrophenol	ND		9.9	1.5	ug/L		12/10/14 14:46	12/13/14 18:37	1
Acenaphthene	ND		5.0	0.41	ug/L		12/10/14 14:46	12/13/14 18:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/10/14 14:46	12/13/14 18:37	1
Acetophenone	ND		5.0	0.54	ug/L		12/10/14 14:46	12/13/14 18:37	1
Anthracene	ND		5.0	0.28	ug/L		12/10/14 14:46	12/13/14 18:37	1
Atrazine	ND		5.0	0.46	ug/L		12/10/14 14:46	12/13/14 18:37	1
Benzaldehyde	**0.92**	**J**	5.0	0.27	ug/L		12/10/14 14:46	12/13/14 18:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/10/14 14:46	12/13/14 18:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/10/14 14:46	12/13/14 18:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/10/14 14:46	12/13/14 18:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/10/14 14:46	12/13/14 18:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/10/14 14:46	12/13/14 18:37	1
Biphenyl	ND		5.0	0.65	ug/L		12/10/14 14:46	12/13/14 18:37	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/10/14 14:46	12/13/14 18:37	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/10/14 14:46	12/13/14 18:37	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 18:37	1
Bis(2-ethylhexyl) phthalate	**4.5**	**J B**	5.0	1.8	ug/L		12/10/14 14:46	12/13/14 18:37	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		12/10/14 14:46	12/13/14 18:37	1
Caprolactam	ND		5.0	2.2	ug/L		12/10/14 14:46	12/13/14 18:37	1
Carbazole	ND	*	5.0	0.30	ug/L		12/10/14 14:46	12/13/14 18:37	1
Chrysene	ND		5.0	0.33	ug/L		12/10/14 14:46	12/13/14 18:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/10/14 14:46	12/13/14 18:37	1
Dibenzofuran	ND		9.9	0.51	ug/L		12/10/14 14:46	12/13/14 18:37	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/10/14 14:46	12/13/14 18:37	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/10/14 14:46	12/13/14 18:37	1
Di-n-butyl phthalate	**0.36**	**J**	5.0	0.31	ug/L		12/10/14 14:46	12/13/14 18:37	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/10/14 14:46	12/13/14 18:37	1

Client Sample ID: GW-TP2-1214-F
Date Collected: 12/09/14 09:25
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 18:37	1
Fluorene	ND		5.0	0.36	ug/L		12/10/14 14:46	12/13/14 18:37	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/10/14 14:46	12/13/14 18:37	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/10/14 14:46	12/13/14 18:37	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/10/14 14:46	12/13/14 18:37	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/10/14 14:46	12/13/14 18:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/10/14 14:46	12/13/14 18:37	1
Isophorone	ND		5.0	0.43	ug/L		12/10/14 14:46	12/13/14 18:37	1
Naphthalene	ND		5.0	0.76	ug/L		12/10/14 14:46	12/13/14 18:37	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/10/14 14:46	12/13/14 18:37	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/10/14 14:46	12/13/14 18:37	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/10/14 14:46	12/13/14 18:37	1
Pentachlorophenol	ND		9.9	2.2	ug/L		12/10/14 14:46	12/13/14 18:37	1
Phenanthrene	ND		5.0	0.44	ug/L		12/10/14 14:46	12/13/14 18:37	1
Phenol	ND		5.0	0.39	ug/L		12/10/14 14:46	12/13/14 18:37	1
Pyrene	ND		5.0	0.34	ug/L		12/10/14 14:46	12/13/14 18:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*58*	*T J B*	*ug/L*		*2.86*		*12/10/14 14:46*	*12/13/14 18:37*	*1*
Unknown	*12*	*T J*	*ug/L*		*4.47*		*12/10/14 14:46*	*12/13/14 18:37*	*1*
Benzene, 1-ethyl-3-methyl-	*4.1*	*T J N*	*ug/L*		*5.48*	*620-14-4*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Cyclotetrasiloxane, octamethyl-	*2.8*	*T J N B*	*ug/L*		*5.57*	*556-67-2*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Benzene, 1,2,3-trimethyl-	*8.0*	*T J N*	*ug/L*		*5.73*	*526-73-8*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Limonene	*7.2*	*T J N*	*ug/L*		*5.97*	*138-86-3*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Benzyl alcohol	*0.80*	*J B*	*ug/L*		*6.05*	*100-51-6*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Cyclopentasiloxane, decamethyl-	*3.2*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Octanoic Acid	*1.7*	*T J N*	*ug/L*		*6.81*	*124-07-2*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.8*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*2.5*	*T J N*	*ug/L*		*8.41*	*96-76-4*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Diphenyl sulfone	*9.8*	*T J N*	*ug/L*		*10.10*	*127-63-9*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Octadecanoic acid	*6.3*	*T J N*	*ug/L*		*10.74*	*57-11-4*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Unknown	*9.5*	*T J B*	*ug/L*		*11.14*		*12/10/14 14:46*	*12/13/14 18:37*	*1*
Unknown	*16*	*T J B*	*ug/L*		*12.04*		*12/10/14 14:46*	*12/13/14 18:37*	*1*
Unknown	*16*	*T J B*	*ug/L*		*13.10*		*12/10/14 14:46*	*12/13/14 18:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
2-Fluorobiphenyl	*93*		*48 - 120*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
2-Fluorophenol (Surr)	*86*		*20 - 120*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 120*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
Phenol-d5 (Surr)	*50*		*16 - 120*	*12/10/14 14:46*	*12/13/14 18:37*	*1*
p-Terphenyl-d14 (Surr)	*73*		*67 - 150*	*12/10/14 14:46*	*12/13/14 18:37*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 11:04	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 17:49	1
Arsenic	**0.0070**	**J**	0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 17:49	1
Barium	**0.059**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 17:49	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 17:49	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP2-1214-F
Date Collected: 12/09/14 09:25
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-8
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.00050	J	0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 17:49	1
Calcium	104		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 17:49	1
Chromium	ND		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 17:49	1
Cobalt	ND		0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 17:49	1
Copper	0.0043	J	0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 17:49	1
Iron	0.56		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 17:49	1
Lead	0.0046	J	0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 17:49	1
Magnesium	17.7		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 17:49	1
Manganese	0.32		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 17:49	1
Nickel	0.0029	J	0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 17:49	1
Potassium	166	^	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 11:04	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 17:49	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 17:49	1
Sodium	67.6		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 17:49	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 17:49	1
Vanadium	ND		0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 17:49	1
Zinc	0.0075	J B	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 17:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 14:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.14		0.010	0.0050	mg/L		12/17/14 13:26	12/19/14 10:02	1
Cyanide, Available	0.0035		0.0020	0.0018	mg/L			12/12/14 10:55	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP3-1214-U
Date Collected: 12/09/14 10:25
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		12/10/14 14:46	12/13/14 19:01	1
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L		12/10/14 14:46	12/13/14 19:01	1
2,4-Dichlorophenol	ND		4.8	0.48	ug/L		12/10/14 14:46	12/13/14 19:01	1
2,4-Dimethylphenol	ND		4.8	0.48	ug/L		12/10/14 14:46	12/13/14 19:01	1
2,4-Dinitrophenol	ND		9.5	2.1	ug/L		12/10/14 14:46	12/13/14 19:01	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		12/10/14 14:46	12/13/14 19:01	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 19:01	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		12/10/14 14:46	12/13/14 19:01	1
2-Chlorophenol	ND		4.8	0.50	ug/L		12/10/14 14:46	12/13/14 19:01	1
2-Methylnaphthalene	ND		4.8	0.57	ug/L		12/10/14 14:46	12/13/14 19:01	1
2-Methylphenol	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 19:01	1
2-Nitroaniline	ND		9.5	0.40	ug/L		12/10/14 14:46	12/13/14 19:01	1
2-Nitrophenol	ND		4.8	0.46	ug/L		12/10/14 14:46	12/13/14 19:01	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 19:01	1
3-Nitroaniline	ND	*	9.5	0.46	ug/L		12/10/14 14:46	12/13/14 19:01	1
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L		12/10/14 14:46	12/13/14 19:01	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		12/10/14 14:46	12/13/14 19:01	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		12/10/14 14:46	12/13/14 19:01	1
4-Chloroaniline	ND	*	4.8	0.56	ug/L		12/10/14 14:46	12/13/14 19:01	1
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L		12/10/14 14:46	12/13/14 19:01	1
4-Methylphenol	**20**		9.5	0.34	ug/L		12/10/14 14:46	12/13/14 19:01	1
4-Nitroaniline	ND	*	9.5	0.24	ug/L		12/10/14 14:46	12/13/14 19:01	1
4-Nitrophenol	ND		9.5	1.4	ug/L		12/10/14 14:46	12/13/14 19:01	1
Acenaphthene	ND		4.8	0.39	ug/L		12/10/14 14:46	12/13/14 19:01	1
Acenaphthylene	ND		4.8	0.36	ug/L		12/10/14 14:46	12/13/14 19:01	1
Acetophenone	ND		4.8	0.51	ug/L		12/10/14 14:46	12/13/14 19:01	1
Anthracene	ND		4.8	0.27	ug/L		12/10/14 14:46	12/13/14 19:01	1
Atrazine	ND		4.8	0.44	ug/L		12/10/14 14:46	12/13/14 19:01	1
Benzaldehyde	ND		4.8	0.25	ug/L		12/10/14 14:46	12/13/14 19:01	1
Benzo[a]anthracene	ND		4.8	0.34	ug/L		12/10/14 14:46	12/13/14 19:01	1
Benzo[a]pyrene	ND		4.8	0.45	ug/L		12/10/14 14:46	12/13/14 19:01	1
Benzo[b]fluoranthene	ND		4.8	0.32	ug/L		12/10/14 14:46	12/13/14 19:01	1
Benzo[g,h,i]perylene	ND		4.8	0.33	ug/L		12/10/14 14:46	12/13/14 19:01	1
Benzo[k]fluoranthene	ND		4.8	0.69	ug/L		12/10/14 14:46	12/13/14 19:01	1
Biphenyl	ND		4.8	0.62	ug/L		12/10/14 14:46	12/13/14 19:01	1
bis (2-chloroisopropyl) ether	ND		4.8	0.49	ug/L		12/10/14 14:46	12/13/14 19:01	1
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L		12/10/14 14:46	12/13/14 19:01	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 19:01	1
Bis(2-ethylhexyl) phthalate	**4.7**	**J B**	4.8	1.7	ug/L		12/10/14 14:46	12/13/14 19:01	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		12/10/14 14:46	12/13/14 19:01	1
Caprolactam	ND		4.8	2.1	ug/L		12/10/14 14:46	12/13/14 19:01	1
Carbazole	ND	*	4.8	0.29	ug/L		12/10/14 14:46	12/13/14 19:01	1
Chrysene	ND		4.8	0.31	ug/L		12/10/14 14:46	12/13/14 19:01	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		12/10/14 14:46	12/13/14 19:01	1
Dibenzofuran	ND		9.5	0.48	ug/L		12/10/14 14:46	12/13/14 19:01	1
Diethyl phthalate	ND		4.8	0.21	ug/L		12/10/14 14:46	12/13/14 19:01	1
Dimethyl phthalate	ND		4.8	0.34	ug/L		12/10/14 14:46	12/13/14 19:01	1
Di-n-butyl phthalate	ND		4.8	0.29	ug/L		12/10/14 14:46	12/13/14 19:01	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		12/10/14 14:46	12/13/14 19:01	1

Client Sample ID: GW-TP3-1214-U
Date Collected: 12/09/14 10:25
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 19:01	1
Fluorene	ND		4.8	0.34	ug/L		12/10/14 14:46	12/13/14 19:01	1
Hexachlorobenzene	ND		4.8	0.48	ug/L		12/10/14 14:46	12/13/14 19:01	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		12/10/14 14:46	12/13/14 19:01	1
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L		12/10/14 14:46	12/13/14 19:01	1
Hexachloroethane	ND		4.8	0.56	ug/L		12/10/14 14:46	12/13/14 19:01	1
Indeno[1,2,3-cd]pyrene	ND		4.8	0.45	ug/L		12/10/14 14:46	12/13/14 19:01	1
Isophorone	ND		4.8	0.41	ug/L		12/10/14 14:46	12/13/14 19:01	1
Naphthalene	ND		4.8	0.72	ug/L		12/10/14 14:46	12/13/14 19:01	1
Nitrobenzene	ND		4.8	0.28	ug/L		12/10/14 14:46	12/13/14 19:01	1
N-Nitrosodi-n-propylamine	ND		4.8	0.51	ug/L		12/10/14 14:46	12/13/14 19:01	1
N-Nitrosodiphenylamine	ND		4.8	0.48	ug/L		12/10/14 14:46	12/13/14 19:01	1
Pentachlorophenol	ND		9.5	2.1	ug/L		12/10/14 14:46	12/13/14 19:01	1
Phenanthrene	ND		4.8	0.42	ug/L		12/10/14 14:46	12/13/14 19:01	1
Phenol	**7.7**		4.8	0.37	ug/L		12/10/14 14:46	12/13/14 19:01	1
Pyrene	ND		4.8	0.32	ug/L		12/10/14 14:46	12/13/14 19:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*56*	*T J*	*ug/L*		*2.91*		*12/10/14 14:46*	*12/13/14 19:01*	*1*
Unknown	*12*	*T J*	*ug/L*		*4.49*		*12/10/14 14:46*	*12/13/14 19:01*	*1*
Unknown	*9.8*	*T J*	*ug/L*		*4.95*		*12/10/14 14:46*	*12/13/14 19:01*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*5.11*		*12/10/14 14:46*	*12/13/14 19:01*	*1*
Cyclotetrasiloxane, octamethyl-	*6.1*	*T J N B*	*ug/L*		*5.57*	*556-67-2*	*12/10/14 14:46*	*12/13/14 19:01*	*1*
Unknown	*8.3*	*T J*	*ug/L*		*5.97*		*12/10/14 14:46*	*12/13/14 19:01*	*1*
Unknown	*4.4*	*T J*	*ug/L*		*6.14*		*12/10/14 14:46*	*12/13/14 19:01*	*1*
Butanoic acid, 4-(methylthio)-	*8.8*	*T J N*	*ug/L*		*6.99*	*32391-97-2*	*12/10/14 14:46*	*12/13/14 19:01*	*1*
Benzeneacetic acid	*7.5*	*T J N*	*ug/L*		*7.26*	*103-82-2*	*12/10/14 14:46*	*12/13/14 19:01*	*1*
Indolizine	*5.0*	*T J N*	*ug/L*		*7.50*	*274-40-8*	*12/10/14 14:46*	*12/13/14 19:01*	*1*
Unknown	*22*	*T J*	*ug/L*		*7.70*		*12/10/14 14:46*	*12/13/14 19:01*	*1*
Benzenepropanoic acid	*45*	*T J N*	*ug/L*		*7.76*	*501-52-0*	*12/10/14 14:46*	*12/13/14 19:01*	*1*
Unknown	*11*	*T J*	*ug/L*		*9.47*		*12/10/14 14:46*	*12/13/14 19:01*	*1*
n-Hexadecanoic acid	*5.4*	*T J N B*	*ug/L*		*10.09*	*57-10-3*	*12/10/14 14:46*	*12/13/14 19:01*	*1*
Unknown	*13*	*T J B*	*ug/L*		*10.67*		*12/10/14 14:46*	*12/13/14 19:01*	*1*
Unknown	*5.2*	*T J B*	*ug/L*		*11.14*		*12/10/14 14:46*	*12/13/14 19:01*	*1*
Unknown	*17*	*T J B*	*ug/L*		*11.50*		*12/10/14 14:46*	*12/13/14 19:01*	*1*
Unknown	*9.9*	*T J B*	*ug/L*		*12.02*		*12/10/14 14:46*	*12/13/14 19:01*	*1*
Unknown	*15*	*T J*	*ug/L*		*13.09*		*12/10/14 14:46*	*12/13/14 19:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*52 - 132*	*12/10/14 14:46*	*12/13/14 19:01*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*12/10/14 14:46*	*12/13/14 19:01*	*1*
2-Fluorophenol (Surr)	*80*		*20 - 120*	*12/10/14 14:46*	*12/13/14 19:01*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 120*	*12/10/14 14:46*	*12/13/14 19:01*	*1*
Phenol-d5 (Surr)	*46*		*16 - 120*	*12/10/14 14:46*	*12/13/14 19:01*	*1*
p-Terphenyl-d14 (Surr)	*87*		*67 - 150*	*12/10/14 14:46*	*12/13/14 19:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.7**		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 11:06	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 17:52	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP3-1214-U
Date Collected: 12/09/14 10:25
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-9
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 17:52	1
Barium	**0.052**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 17:52	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 17:52	1
Cadmium	**0.00078**	**J**	0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 17:52	1
Calcium	**40.4**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 17:52	1
Chromium	**0.0042**		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 17:52	1
Cobalt	**0.00082**	**J**	0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 17:52	1
Copper	**0.0048**	**J**	0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 17:52	1
Iron	**2.7**		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 17:52	1
Lead	**0.014**		0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 17:52	1
Magnesium	**11.0**		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 17:52	1
Manganese	**0.24**		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 17:52	1
Nickel	**0.0028**	**J**	0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 17:52	1
Potassium	**61.8**	**^**	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 11:06	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 17:52	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 17:52	1
Sodium	**26.1**		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 17:52	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 17:52	1
Vanadium	**0.0040**	**J**	0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 17:52	1
Zinc	**0.022**	**B**	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 17:52	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 14:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.12**		0.010	0.0050	mg/L		12/17/14 13:26	12/19/14 10:07	1
Cyanide, Available	**0.0020**		0.0020	0.0018	mg/L			12/12/14 10:57	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP3-1214-F
Date Collected: 12/09/14 10:35
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		12/10/14 14:46	12/13/14 19:26	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		12/10/14 14:46	12/13/14 19:26	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		12/10/14 14:46	12/13/14 19:26	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		12/10/14 14:46	12/13/14 19:26	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		12/10/14 14:46	12/13/14 19:26	1
2,4-Dinitrotoluene	ND		5.1	0.45	ug/L		12/10/14 14:46	12/13/14 19:26	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 19:26	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		12/10/14 14:46	12/13/14 19:26	1
2-Chlorophenol	ND		5.1	0.54	ug/L		12/10/14 14:46	12/13/14 19:26	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		12/10/14 14:46	12/13/14 19:26	1
2-Methylphenol	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 19:26	1
2-Nitroaniline	ND		10	0.43	ug/L		12/10/14 14:46	12/13/14 19:26	1
2-Nitrophenol	ND		5.1	0.49	ug/L		12/10/14 14:46	12/13/14 19:26	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 19:26	1
3-Nitroaniline	ND	*	10	0.49	ug/L		12/10/14 14:46	12/13/14 19:26	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/10/14 14:46	12/13/14 19:26	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		12/10/14 14:46	12/13/14 19:26	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		12/10/14 14:46	12/13/14 19:26	1
4-Chloroaniline	ND	*	5.1	0.60	ug/L		12/10/14 14:46	12/13/14 19:26	1
4-Chlorophenyl phenyl ether	ND		5.1	0.35	ug/L		12/10/14 14:46	12/13/14 19:26	1
4-Methylphenol	**24**		10	0.37	ug/L		12/10/14 14:46	12/13/14 19:26	1
4-Nitroaniline	ND	*	10	0.25	ug/L		12/10/14 14:46	12/13/14 19:26	1
4-Nitrophenol	ND		10	1.5	ug/L		12/10/14 14:46	12/13/14 19:26	1
Acenaphthene	ND		5.1	0.42	ug/L		12/10/14 14:46	12/13/14 19:26	1
Acenaphthylene	ND		5.1	0.39	ug/L		12/10/14 14:46	12/13/14 19:26	1
Acetophenone	ND		5.1	0.55	ug/L		12/10/14 14:46	12/13/14 19:26	1
Anthracene	ND		5.1	0.28	ug/L		12/10/14 14:46	12/13/14 19:26	1
Atrazine	ND		5.1	0.47	ug/L		12/10/14 14:46	12/13/14 19:26	1
Benzaldehyde	**0.27**	**J**	5.1	0.27	ug/L		12/10/14 14:46	12/13/14 19:26	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		12/10/14 14:46	12/13/14 19:26	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		12/10/14 14:46	12/13/14 19:26	1
Benzo[b]fluoranthene	ND		5.1	0.34	ug/L		12/10/14 14:46	12/13/14 19:26	1
Benzo[g,h,i]perylene	ND		5.1	0.35	ug/L		12/10/14 14:46	12/13/14 19:26	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		12/10/14 14:46	12/13/14 19:26	1
Biphenyl	ND		5.1	0.66	ug/L		12/10/14 14:46	12/13/14 19:26	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		12/10/14 14:46	12/13/14 19:26	1
Bis(2-chloroethoxy)methane	ND		5.1	0.35	ug/L		12/10/14 14:46	12/13/14 19:26	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 19:26	1
Bis(2-ethylhexyl) phthalate	**5.2**	**B**	5.1	1.8	ug/L		12/10/14 14:46	12/13/14 19:26	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		12/10/14 14:46	12/13/14 19:26	1
Caprolactam	ND		5.1	2.2	ug/L		12/10/14 14:46	12/13/14 19:26	1
Carbazole	ND	*	5.1	0.30	ug/L		12/10/14 14:46	12/13/14 19:26	1
Chrysene	ND		5.1	0.33	ug/L		12/10/14 14:46	12/13/14 19:26	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		12/10/14 14:46	12/13/14 19:26	1
Dibenzofuran	ND		10	0.52	ug/L		12/10/14 14:46	12/13/14 19:26	1
Diethyl phthalate	ND		5.1	0.22	ug/L		12/10/14 14:46	12/13/14 19:26	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		12/10/14 14:46	12/13/14 19:26	1
Di-n-butyl phthalate	**0.36**	**J**	5.1	0.31	ug/L		12/10/14 14:46	12/13/14 19:26	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		12/10/14 14:46	12/13/14 19:26	1

Client Sample ID: GW-TP3-1214-F
Date Collected: 12/09/14 10:35
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 19:26	1
Fluorene	ND		5.1	0.37	ug/L		12/10/14 14:46	12/13/14 19:26	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		12/10/14 14:46	12/13/14 19:26	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		12/10/14 14:46	12/13/14 19:26	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		12/10/14 14:46	12/13/14 19:26	1
Hexachloroethane	ND		5.1	0.60	ug/L		12/10/14 14:46	12/13/14 19:26	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		12/10/14 14:46	12/13/14 19:26	1
Isophorone	ND		5.1	0.44	ug/L		12/10/14 14:46	12/13/14 19:26	1
Naphthalene	ND		5.1	0.77	ug/L		12/10/14 14:46	12/13/14 19:26	1
Nitrobenzene	ND		5.1	0.29	ug/L		12/10/14 14:46	12/13/14 19:26	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		12/10/14 14:46	12/13/14 19:26	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		12/10/14 14:46	12/13/14 19:26	1
Pentachlorophenol	ND		10	2.2	ug/L		12/10/14 14:46	12/13/14 19:26	1
Phenanthrene	ND		5.1	0.45	ug/L		12/10/14 14:46	12/13/14 19:26	1
Phenol	**8.6**		5.1	0.40	ug/L		12/10/14 14:46	12/13/14 19:26	1
Pyrene	ND		5.1	0.34	ug/L		12/10/14 14:46	12/13/14 19:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*54*	*T J B*	*ug/L*		*2.86*		*12/10/14 14:46*	*12/13/14 19:26*	*1*
Unknown	*6.9*	*T J*	*ug/L*		*5.09*		*12/10/14 14:46*	*12/13/14 19:26*	*1*
Cyclotetrasiloxane, octamethyl-	*5.9*	*T J N B*	*ug/L*		*5.57*	*556-67-2*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
Decane	*4.6*	*T J N*	*ug/L*		*5.74*	*124-18-5*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
Cyclohexene, 1-methyl-4-(1-methylethenyl	*10*	*T J N*	*ug/L*		*5.97*	*5989-54-8*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
Unknown	*4.8*	*T J*	*ug/L*		*6.14*		*12/10/14 14:46*	*12/13/14 19:26*	*1*
Octanoic Acid	*4.9*	*T J N*	*ug/L*		*6.83*	*124-07-2*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
Butanoic acid, 4-(methylthio)-	*7.8*	*T J N*	*ug/L*		*6.98*	*32391-97-2*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
Benzeneacetic acid	*11*	*T J N*	*ug/L*		*7.28*	*103-82-2*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
Indole	*6.1*	*T J N*	*ug/L*		*7.50*	*120-72-9*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
Benzenepropanoic acid	*56*	*T J N*	*ug/L*		*7.76*	*501-52-0*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
n-Hexadecanoic acid	*9.3*	*T J N B*	*ug/L*		*10.09*	*57-10-3*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
Unknown	*15*	*T J B*	*ug/L*		*10.67*		*12/10/14 14:46*	*12/13/14 19:26*	*1*
Octadecanoic acid	*4.8*	*T J N*	*ug/L*		*10.72*	*57-11-4*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
Unknown	*6.0*	*T J B*	*ug/L*		*11.14*		*12/10/14 14:46*	*12/13/14 19:26*	*1*
Unknown	*35*	*T J B*	*ug/L*		*11.50*		*12/10/14 14:46*	*12/13/14 19:26*	*1*
Unknown	*12*	*T J B*	*ug/L*		*12.02*		*12/10/14 14:46*	*12/13/14 19:26*	*1*
Unknown	*5.0*	*T J B*	*ug/L*		*12.80*		*12/10/14 14:46*	*12/13/14 19:26*	*1*
Unknown	*20*	*T J*	*ug/L*		*13.09*		*12/10/14 14:46*	*12/13/14 19:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*52 - 132*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
2-Fluorophenol (Surr)	*83*		*20 - 120*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
Nitrobenzene-d5 (Surr)	*95*		*46 - 120*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
Phenol-d5 (Surr)	*46*		*16 - 120*	*12/10/14 14:46*	*12/13/14 19:26*	*1*
p-Terphenyl-d14 (Surr)	*96*		*67 - 150*	*12/10/14 14:46*	*12/13/14 19:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 11:17	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP3-1214-F
Date Collected: 12/09/14 10:35
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-10
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 17:55	1
Arsenic	**0.0059**	**J**	0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 17:55	1
Barium	**0.039**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 17:55	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 17:55	1
Cadmium	ND		0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 17:55	1
Calcium	**37.7**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 17:55	1
Chromium	ND		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 17:55	1
Cobalt	ND		0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 17:55	1
Copper	ND		0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 17:55	1
Iron	**0.097**		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 17:55	1
Lead	**0.0031**	**J**	0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 17:55	1
Magnesium	**10.0**		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 17:55	1
Manganese	**0.069**		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 17:55	1
Nickel	**0.0014**	**J**	0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 17:55	1
Potassium	**60.1**	**^**	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 11:17	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 17:55	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 17:55	1
Sodium	**27.2**		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 17:55	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 17:55	1
Vanadium	ND		0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 17:55	1
Zinc	**0.0059**	**J B**	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 17:55	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 14:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.10**		0.010	0.0050	mg/L		12/17/14 13:26	12/19/14 10:08	1
Cyanide, Available	**0.0091**		0.0020	0.0018	mg/L			12/12/14 10:58	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP4-1214-U
Date Collected: 12/09/14 11:45
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		12/10/14 14:46	12/13/14 19:51	1
2,4,6-Trichlorophenol	ND		4.7	0.57	ug/L		12/10/14 14:46	12/13/14 19:51	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		12/10/14 14:46	12/13/14 19:51	1
2,4-Dimethylphenol	ND		4.7	0.47	ug/L		12/10/14 14:46	12/13/14 19:51	1
2,4-Dinitrophenol	ND		9.3	2.1	ug/L		12/10/14 14:46	12/13/14 19:51	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		12/10/14 14:46	12/13/14 19:51	1
2,6-Dinitrotoluene	ND		4.7	0.37	ug/L		12/10/14 14:46	12/13/14 19:51	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		12/10/14 14:46	12/13/14 19:51	1
2-Chlorophenol	ND		4.7	0.49	ug/L		12/10/14 14:46	12/13/14 19:51	1
2-Methylnaphthalene	ND		4.7	0.56	ug/L		12/10/14 14:46	12/13/14 19:51	1
2-Methylphenol	ND		4.7	0.37	ug/L		12/10/14 14:46	12/13/14 19:51	1
2-Nitroaniline	ND		9.3	0.39	ug/L		12/10/14 14:46	12/13/14 19:51	1
2-Nitrophenol	ND		4.7	0.45	ug/L		12/10/14 14:46	12/13/14 19:51	1
3,3'-Dichlorobenzidine	ND		4.7	0.37	ug/L		12/10/14 14:46	12/13/14 19:51	1
3-Nitroaniline	ND	*	9.3	0.45	ug/L		12/10/14 14:46	12/13/14 19:51	1
4,6-Dinitro-2-methylphenol	ND		9.3	2.1	ug/L		12/10/14 14:46	12/13/14 19:51	1
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		12/10/14 14:46	12/13/14 19:51	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		12/10/14 14:46	12/13/14 19:51	1
4-Chloroaniline	ND	*	4.7	0.55	ug/L		12/10/14 14:46	12/13/14 19:51	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		12/10/14 14:46	12/13/14 19:51	1
4-Methylphenol	ND		9.3	0.34	ug/L		12/10/14 14:46	12/13/14 19:51	1
4-Nitroaniline	ND	*	9.3	0.23	ug/L		12/10/14 14:46	12/13/14 19:51	1
4-Nitrophenol	ND		9.3	1.4	ug/L		12/10/14 14:46	12/13/14 19:51	1
Acenaphthene	**0.45**	**J**	4.7	0.38	ug/L		12/10/14 14:46	12/13/14 19:51	1
Acenaphthylene	ND		4.7	0.35	ug/L		12/10/14 14:46	12/13/14 19:51	1
Acetophenone	ND		4.7	0.50	ug/L		12/10/14 14:46	12/13/14 19:51	1
Anthracene	ND		4.7	0.26	ug/L		12/10/14 14:46	12/13/14 19:51	1
Atrazine	ND		4.7	0.43	ug/L		12/10/14 14:46	12/13/14 19:51	1
Benzaldehyde	ND		4.7	0.25	ug/L		12/10/14 14:46	12/13/14 19:51	1
Benzo[a]anthracene	ND		4.7	0.34	ug/L		12/10/14 14:46	12/13/14 19:51	1
Benzo[a]pyrene	ND		4.7	0.44	ug/L		12/10/14 14:46	12/13/14 19:51	1
Benzo[b]fluoranthene	ND		4.7	0.32	ug/L		12/10/14 14:46	12/13/14 19:51	1
Benzo[g,h,i]perylene	ND		4.7	0.33	ug/L		12/10/14 14:46	12/13/14 19:51	1
Benzo[k]fluoranthene	ND		4.7	0.68	ug/L		12/10/14 14:46	12/13/14 19:51	1
Biphenyl	ND		4.7	0.61	ug/L		12/10/14 14:46	12/13/14 19:51	1
bis (2-chloroisopropyl) ether	ND		4.7	0.48	ug/L		12/10/14 14:46	12/13/14 19:51	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		12/10/14 14:46	12/13/14 19:51	1
Bis(2-chloroethyl)ether	ND		4.7	0.37	ug/L		12/10/14 14:46	12/13/14 19:51	1
Bis(2-ethylhexyl) phthalate	**4.6**	**J B**	4.7	1.7	ug/L		12/10/14 14:46	12/13/14 19:51	1
Butyl benzyl phthalate	ND		4.7	0.39	ug/L		12/10/14 14:46	12/13/14 19:51	1
Caprolactam	ND		4.7	2.1	ug/L		12/10/14 14:46	12/13/14 19:51	1
Carbazole	ND	*	4.7	0.28	ug/L		12/10/14 14:46	12/13/14 19:51	1
Chrysene	ND		4.7	0.31	ug/L		12/10/14 14:46	12/13/14 19:51	1
Dibenz(a,h)anthracene	ND		4.7	0.39	ug/L		12/10/14 14:46	12/13/14 19:51	1
Dibenzofuran	ND		9.3	0.48	ug/L		12/10/14 14:46	12/13/14 19:51	1
Diethyl phthalate	ND		4.7	0.21	ug/L		12/10/14 14:46	12/13/14 19:51	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		12/10/14 14:46	12/13/14 19:51	1
Di-n-butyl phthalate	ND		4.7	0.29	ug/L		12/10/14 14:46	12/13/14 19:51	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		12/10/14 14:46	12/13/14 19:51	1

Client Sample ID: GW-TP4-1214-U
Date Collected: 12/09/14 11:45
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.7	0.37	ug/L		12/10/14 14:46	12/13/14 19:51	1
Fluorene	**0.36**	**J**	4.7	0.34	ug/L		12/10/14 14:46	12/13/14 19:51	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		12/10/14 14:46	12/13/14 19:51	1
Hexachlorobutadiene	ND		4.7	0.63	ug/L		12/10/14 14:46	12/13/14 19:51	1
Hexachlorocyclopentadiene	ND		4.7	0.55	ug/L		12/10/14 14:46	12/13/14 19:51	1
Hexachloroethane	ND		4.7	0.55	ug/L		12/10/14 14:46	12/13/14 19:51	1
Indeno[1,2,3-cd]pyrene	ND		4.7	0.44	ug/L		12/10/14 14:46	12/13/14 19:51	1
Isophorone	ND		4.7	0.40	ug/L		12/10/14 14:46	12/13/14 19:51	1
Naphthalene	ND		4.7	0.71	ug/L		12/10/14 14:46	12/13/14 19:51	1
Nitrobenzene	ND		4.7	0.27	ug/L		12/10/14 14:46	12/13/14 19:51	1
N-Nitrosodi-n-propylamine	ND		4.7	0.50	ug/L		12/10/14 14:46	12/13/14 19:51	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		12/10/14 14:46	12/13/14 19:51	1
Pentachlorophenol	ND		9.3	2.1	ug/L		12/10/14 14:46	12/13/14 19:51	1
Phenanthrene	**0.44**	**J**	4.7	0.41	ug/L		12/10/14 14:46	12/13/14 19:51	1
Phenol	ND		4.7	0.36	ug/L		12/10/14 14:46	12/13/14 19:51	1
Pyrene	ND		4.7	0.32	ug/L		12/10/14 14:46	12/13/14 19:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*40*	*T J B*	*ug/L*		*2.85*		*12/10/14 14:46*	*12/13/14 19:51*	*1*
Unknown	*11*	*T J*	*ug/L*		*4.46*		*12/10/14 14:46*	*12/13/14 19:51*	*1*
Cyclotetrasiloxane, octamethyl-	*2.2*	*T J N*	*ug/L*		*5.56*	*556-67-2*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
1-Hexanol, 2-ethyl-	*5.0*	*T J N*	*ug/L*		*5.95*	*104-76-7*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
Benzyl alcohol	*0.68*	*J B*	*ug/L*		*6.04*	*100-51-6*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
Cyclopentasiloxane, decamethyl-	*2.5*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
Octanoic Acid	*4.3*	*T J N*	*ug/L*		*6.82*	*124-07-2*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
Nonanoic acid	*3.0*	*T J N*	*ug/L*		*7.30*	*112-05-0*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.0*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
Unknown	*1.6*	*T J B*	*ug/L*		*8.14*		*12/10/14 14:46*	*12/13/14 19:51*	*1*
n-Hexadecanoic acid	*5.8*	*T J N B*	*ug/L*		*10.09*	*57-10-3*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
Octadecanoic acid	*5.3*	*T J N*	*ug/L*		*10.73*	*57-11-4*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
Unknown	*5.3*	*T J B*	*ug/L*		*11.14*		*12/10/14 14:46*	*12/13/14 19:51*	*1*
Unknown	*11*	*T J B*	*ug/L*		*12.04*		*12/10/14 14:46*	*12/13/14 19:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*52 - 132*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
2-Fluorophenol (Surr)	*70*		*20 - 120*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 120*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
Phenol-d5 (Surr)	*41*		*16 - 120*	*12/10/14 14:46*	*12/13/14 19:51*	*1*
p-Terphenyl-d14 (Surr)	*76*		*67 - 150*	*12/10/14 14:46*	*12/13/14 19:51*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.56**		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 11:20	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 17:57	1
Arsenic	ND		0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 17:57	1
Barium	**0.079**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 17:57	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 17:57	1
Cadmium	ND		0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 17:57	1
Calcium	**120**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 17:57	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP4-1214-U
Date Collected: 12/09/14 11:45
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-11
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.0015**	**J**	0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 17:57	1
Cobalt	ND		0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 17:57	1
Copper	**0.0016**	**J**	0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 17:57	1
Iron	**1.3**		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 17:57	1
Lead	**0.0085**	**J**	0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 17:57	1
Magnesium	**21.6**		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 17:57	1
Manganese	**0.65**		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 17:57	1
Nickel	**0.0027**	**J**	0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 17:57	1
Potassium	**33.5**	**^**	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 11:20	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 17:57	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 17:57	1
Sodium	**24.0**		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 17:57	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 17:57	1
Vanadium	ND		0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 17:57	1
Zinc	**0.015**	**B**	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 17:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.070**		0.010	0.0050	mg/L		12/17/14 13:26	12/19/14 10:11	1
Cyanide, Available	**0.012**		0.0020	0.0018	mg/L			12/12/14 11:09	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP4-1214-F
Date Collected: 12/09/14 11:55
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-12
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		12/10/14 14:46	12/13/14 20:15	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		12/10/14 14:46	12/13/14 20:15	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		12/10/14 14:46	12/13/14 20:15	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		12/10/14 14:46	12/13/14 20:15	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		12/10/14 14:46	12/13/14 20:15	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		12/10/14 14:46	12/13/14 20:15	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 20:15	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		12/10/14 14:46	12/13/14 20:15	1
2-Chlorophenol	ND		5.1	0.54	ug/L		12/10/14 14:46	12/13/14 20:15	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		12/10/14 14:46	12/13/14 20:15	1
2-Methylphenol	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 20:15	1
2-Nitroaniline	ND		10	0.43	ug/L		12/10/14 14:46	12/13/14 20:15	1
2-Nitrophenol	ND		5.1	0.49	ug/L		12/10/14 14:46	12/13/14 20:15	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 20:15	1
3-Nitroaniline	ND	*	10	0.49	ug/L		12/10/14 14:46	12/13/14 20:15	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/10/14 14:46	12/13/14 20:15	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		12/10/14 14:46	12/13/14 20:15	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		12/10/14 14:46	12/13/14 20:15	1
4-Chloroaniline	ND	*	5.1	0.60	ug/L		12/10/14 14:46	12/13/14 20:15	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		12/10/14 14:46	12/13/14 20:15	1
4-Methylphenol	ND		10	0.37	ug/L		12/10/14 14:46	12/13/14 20:15	1
4-Nitroaniline	ND	*	10	0.25	ug/L		12/10/14 14:46	12/13/14 20:15	1
4-Nitrophenol	ND		10	1.5	ug/L		12/10/14 14:46	12/13/14 20:15	1
Acenaphthene	ND		5.1	0.42	ug/L		12/10/14 14:46	12/13/14 20:15	1
Acenaphthylene	ND		5.1	0.39	ug/L		12/10/14 14:46	12/13/14 20:15	1
Acetophenone	ND		5.1	0.55	ug/L		12/10/14 14:46	12/13/14 20:15	1
Anthracene	ND		5.1	0.29	ug/L		12/10/14 14:46	12/13/14 20:15	1
Atrazine	ND		5.1	0.47	ug/L		12/10/14 14:46	12/13/14 20:15	1
Benzaldehyde	ND		5.1	0.27	ug/L		12/10/14 14:46	12/13/14 20:15	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		12/10/14 14:46	12/13/14 20:15	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		12/10/14 14:46	12/13/14 20:15	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		12/10/14 14:46	12/13/14 20:15	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		12/10/14 14:46	12/13/14 20:15	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		12/10/14 14:46	12/13/14 20:15	1
Biphenyl	ND		5.1	0.67	ug/L		12/10/14 14:46	12/13/14 20:15	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		12/10/14 14:46	12/13/14 20:15	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		12/10/14 14:46	12/13/14 20:15	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 20:15	1
Bis(2-ethylhexyl) phthalate	**5.0**	**J B**	5.1	1.8	ug/L		12/10/14 14:46	12/13/14 20:15	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		12/10/14 14:46	12/13/14 20:15	1
Caprolactam	ND		5.1	2.2	ug/L		12/10/14 14:46	12/13/14 20:15	1
Carbazole	ND	*	5.1	0.31	ug/L		12/10/14 14:46	12/13/14 20:15	1
Chrysene	ND		5.1	0.34	ug/L		12/10/14 14:46	12/13/14 20:15	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		12/10/14 14:46	12/13/14 20:15	1
Dibenzofuran	ND		10	0.52	ug/L		12/10/14 14:46	12/13/14 20:15	1
Diethyl phthalate	ND		5.1	0.22	ug/L		12/10/14 14:46	12/13/14 20:15	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		12/10/14 14:46	12/13/14 20:15	1
Di-n-butyl phthalate	**0.35**	**J**	5.1	0.32	ug/L		12/10/14 14:46	12/13/14 20:15	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		12/10/14 14:46	12/13/14 20:15	1

Client Sample ID: GW-TP4-1214-F
Date Collected: 12/09/14 11:55
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-12
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 20:15	1
Fluorene	ND		5.1	0.37	ug/L		12/10/14 14:46	12/13/14 20:15	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		12/10/14 14:46	12/13/14 20:15	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		12/10/14 14:46	12/13/14 20:15	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		12/10/14 14:46	12/13/14 20:15	1
Hexachloroethane	ND		5.1	0.60	ug/L		12/10/14 14:46	12/13/14 20:15	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		12/10/14 14:46	12/13/14 20:15	1
Isophorone	ND		5.1	0.44	ug/L		12/10/14 14:46	12/13/14 20:15	1
Naphthalene	ND		5.1	0.77	ug/L		12/10/14 14:46	12/13/14 20:15	1
Nitrobenzene	ND		5.1	0.30	ug/L		12/10/14 14:46	12/13/14 20:15	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		12/10/14 14:46	12/13/14 20:15	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		12/10/14 14:46	12/13/14 20:15	1
Pentachlorophenol	ND		10	2.2	ug/L		12/10/14 14:46	12/13/14 20:15	1
Phenanthrene	ND		5.1	0.45	ug/L		12/10/14 14:46	12/13/14 20:15	1
Phenol	ND		5.1	0.40	ug/L		12/10/14 14:46	12/13/14 20:15	1
Pyrene	ND		5.1	0.35	ug/L		12/10/14 14:46	12/13/14 20:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*69*	*T J*	*ug/L*		*2.92*		*12/10/14 14:46*	*12/13/14 20:15*	*1*
Unknown	*32*	*T J*	*ug/L*		*4.50*		*12/10/14 14:46*	*12/13/14 20:15*	*1*
Cyclotetrasiloxane, octamethyl-	*3.5*	*T J N B*	*ug/L*		*5.57*	*556-67-2*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*5.96*		*12/10/14 14:46*	*12/13/14 20:15*	*1*
D-Limonene	*7.9*	*T J N*	*ug/L*		*5.97*	*5989-27-5*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
Benzyl alcohol	*0.85*	*J B*	*ug/L*		*6.04*	*100-51-6*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
Cyclopentasiloxane, decamethyl-	*3.6*	*T J N B*	*ug/L*		*6.52*	*541-02-6*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
Octanoic Acid	*4.2*	*T J N*	*ug/L*		*6.82*	*124-07-2*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
Nonanoic acid	*2.8*	*T J N*	*ug/L*		*7.30*	*112-05-0*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.3*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
Unknown	*2.1*	*T J B*	*ug/L*		*8.14*		*12/10/14 14:46*	*12/13/14 20:15*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*2.4*	*T J N*	*ug/L*		*8.41*	*96-76-4*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
n-Hexadecanoic acid	*8.5*	*T J N B*	*ug/L*		*10.09*	*57-10-3*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
Octadecanoic acid	*4.7*	*T J N*	*ug/L*		*10.73*	*57-11-4*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
Unknown	*11*	*T J B*	*ug/L*		*12.04*		*12/10/14 14:46*	*12/13/14 20:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*52 - 132*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
2-Fluorobiphenyl	*93*		*48 - 120*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
2-Fluorophenol (Surr)	*86*		*20 - 120*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 120*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
Phenol-d5 (Surr)	*53*		*16 - 120*	*12/10/14 14:46*	*12/13/14 20:15*	*1*
p-Terphenyl-d14 (Surr)	*87*		*67 - 150*	*12/10/14 14:46*	*12/13/14 20:15*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 11:23	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 18:00	1
Arsenic	**0.0065**	**J**	0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 18:00	1
Barium	**0.075**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 18:00	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 18:00	1
Cadmium	ND		0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 18:00	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP4-1214-F
Date Collected: 12/09/14 11:55
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-12
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**114**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 18:00	1
Chromium	ND		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 18:00	1
Cobalt	ND		0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 18:00	1
Copper	ND		0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 18:00	1
Iron	**0.078**		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 18:00	1
Lead	**0.0045**	**J**	0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 18:00	1
Magnesium	**21.0**		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 18:00	1
Manganese	**0.60**		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 18:00	1
Nickel	ND		0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 18:00	1
Potassium	**34.4**	**^**	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 11:23	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 18:00	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 18:00	1
Sodium	**23.8**		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 18:00	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 18:00	1
Vanadium	ND		0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 18:00	1
Zinc	**0.0051**	**J B**	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 18:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.078**		0.010	0.0050	mg/L		12/17/14 13:26	12/19/14 10:12	1
Cyanide, Available	**0.0038**		0.0020	0.0018	mg/L			12/12/14 11:10	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP5-1214-U
Date Collected: 12/09/14 13:00
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-13
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		12/10/14 14:46	12/13/14 20:40	1
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L		12/10/14 14:46	12/13/14 20:40	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		12/10/14 14:46	12/13/14 20:40	1
2,4-Dimethylphenol	ND		4.8	0.48	ug/L		12/10/14 14:46	12/13/14 20:40	1
2,4-Dinitrophenol	ND		9.6	2.1	ug/L		12/10/14 14:46	12/13/14 20:40	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		12/10/14 14:46	12/13/14 20:40	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 20:40	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		12/10/14 14:46	12/13/14 20:40	1
2-Chlorophenol	ND		4.8	0.51	ug/L		12/10/14 14:46	12/13/14 20:40	1
2-Methylnaphthalene	ND		4.8	0.58	ug/L		12/10/14 14:46	12/13/14 20:40	1
2-Methylphenol	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 20:40	1
2-Nitroaniline	ND		9.6	0.40	ug/L		12/10/14 14:46	12/13/14 20:40	1
2-Nitrophenol	ND		4.8	0.46	ug/L		12/10/14 14:46	12/13/14 20:40	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 20:40	1
3-Nitroaniline	ND	*	9.6	0.46	ug/L		12/10/14 14:46	12/13/14 20:40	1
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L		12/10/14 14:46	12/13/14 20:40	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		12/10/14 14:46	12/13/14 20:40	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		12/10/14 14:46	12/13/14 20:40	1
4-Chloroaniline	ND	*	4.8	0.57	ug/L		12/10/14 14:46	12/13/14 20:40	1
4-Chlorophenyl phenyl ether	ND		4.8	0.34	ug/L		12/10/14 14:46	12/13/14 20:40	1
4-Methylphenol	ND		9.6	0.35	ug/L		12/10/14 14:46	12/13/14 20:40	1
4-Nitroaniline	ND	*	9.6	0.24	ug/L		12/10/14 14:46	12/13/14 20:40	1
4-Nitrophenol	ND		9.6	1.5	ug/L		12/10/14 14:46	12/13/14 20:40	1
Acenaphthene	ND		4.8	0.39	ug/L		12/10/14 14:46	12/13/14 20:40	1
Acenaphthylene	ND		4.8	0.36	ug/L		12/10/14 14:46	12/13/14 20:40	1
Acetophenone	ND		4.8	0.52	ug/L		12/10/14 14:46	12/13/14 20:40	1
Anthracene	ND		4.8	0.27	ug/L		12/10/14 14:46	12/13/14 20:40	1
Atrazine	ND		4.8	0.44	ug/L		12/10/14 14:46	12/13/14 20:40	1
Benzaldehyde	ND		4.8	0.26	ug/L		12/10/14 14:46	12/13/14 20:40	1
Benzo[a]anthracene	ND		4.8	0.35	ug/L		12/10/14 14:46	12/13/14 20:40	1
Benzo[a]pyrene	ND		4.8	0.45	ug/L		12/10/14 14:46	12/13/14 20:40	1
Benzo[b]fluoranthene	**0.48**	**J**	4.8	0.33	ug/L		12/10/14 14:46	12/13/14 20:40	1
Benzo[g,h,i]perylene	ND		4.8	0.34	ug/L		12/10/14 14:46	12/13/14 20:40	1
Benzo[k]fluoranthene	ND		4.8	0.70	ug/L		12/10/14 14:46	12/13/14 20:40	1
Biphenyl	ND		4.8	0.63	ug/L		12/10/14 14:46	12/13/14 20:40	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		12/10/14 14:46	12/13/14 20:40	1
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L		12/10/14 14:46	12/13/14 20:40	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 20:40	1
Bis(2-ethylhexyl) phthalate	**4.8**	**B**	4.8	1.7	ug/L		12/10/14 14:46	12/13/14 20:40	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		12/10/14 14:46	12/13/14 20:40	1
Caprolactam	ND		4.8	2.1	ug/L		12/10/14 14:46	12/13/14 20:40	1
Carbazole	ND	*	4.8	0.29	ug/L		12/10/14 14:46	12/13/14 20:40	1
Chrysene	ND		4.8	0.32	ug/L		12/10/14 14:46	12/13/14 20:40	1
Dibenz(a,h)anthracene	**0.43**	**J**	4.8	0.40	ug/L		12/10/14 14:46	12/13/14 20:40	1
Dibenzofuran	ND		9.6	0.49	ug/L		12/10/14 14:46	12/13/14 20:40	1
Diethyl phthalate	ND		4.8	0.21	ug/L		12/10/14 14:46	12/13/14 20:40	1
Dimethyl phthalate	ND		4.8	0.35	ug/L		12/10/14 14:46	12/13/14 20:40	1
Di-n-butyl phthalate	ND		4.8	0.30	ug/L		12/10/14 14:46	12/13/14 20:40	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		12/10/14 14:46	12/13/14 20:40	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP5-1214-U
Date Collected: 12/09/14 13:00
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-13
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.8	0.38	ug/L		12/10/14 14:46	12/13/14 20:40	1
Fluorene	ND		4.8	0.35	ug/L		12/10/14 14:46	12/13/14 20:40	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		12/10/14 14:46	12/13/14 20:40	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		12/10/14 14:46	12/13/14 20:40	1
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L		12/10/14 14:46	12/13/14 20:40	1
Hexachloroethane	ND		4.8	0.57	ug/L		12/10/14 14:46	12/13/14 20:40	1
Indeno[1,2,3-cd]pyrene	ND		4.8	0.45	ug/L		12/10/14 14:46	12/13/14 20:40	1
Isophorone	ND		4.8	0.41	ug/L		12/10/14 14:46	12/13/14 20:40	1
Naphthalene	ND		4.8	0.73	ug/L		12/10/14 14:46	12/13/14 20:40	1
Nitrobenzene	ND		4.8	0.28	ug/L		12/10/14 14:46	12/13/14 20:40	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		12/10/14 14:46	12/13/14 20:40	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		12/10/14 14:46	12/13/14 20:40	1
Pentachlorophenol	ND		9.6	2.1	ug/L		12/10/14 14:46	12/13/14 20:40	1
Phenanthrene	ND		4.8	0.42	ug/L		12/10/14 14:46	12/13/14 20:40	1
Phenol	ND		4.8	0.37	ug/L		12/10/14 14:46	12/13/14 20:40	1
Pyrene	ND		4.8	0.33	ug/L		12/10/14 14:46	12/13/14 20:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*59*	*T J*	*ug/L*		*2.88*		*12/10/14 14:46*	*12/13/14 20:40*	*1*
Unknown	*13*	*T J*	*ug/L*		*4.48*		*12/10/14 14:46*	*12/13/14 20:40*	*1*
Cyclotetrasiloxane, octamethyl-	*2.7*	*T J N B*	*ug/L*		*5.57*	*556-67-2*	*12/10/14 14:46*	*12/13/14 20:40*	*1*
1-Hexanol, 2-ethyl-	*7.4*	*T J N*	*ug/L*		*5.97*	*104-76-7*	*12/10/14 14:46*	*12/13/14 20:40*	*1*
Cyclopentasiloxane, decamethyl-	*2.9*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 20:40*	*1*
Nonanoic acid	*2.7*	*T J N*	*ug/L*		*7.30*	*112-05-0*	*12/10/14 14:46*	*12/13/14 20:40*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.0*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 20:40*	*1*
Unknown	*1.6*	*T J B*	*ug/L*		*8.14*		*12/10/14 14:46*	*12/13/14 20:40*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*9.79*		*12/10/14 14:46*	*12/13/14 20:40*	*1*
n-Hexadecanoic acid	*4.6*	*T J N B*	*ug/L*		*10.08*	*57-10-3*	*12/10/14 14:46*	*12/13/14 20:40*	*1*
Unknown	*15*	*T J B*	*ug/L*		*10.67*		*12/10/14 14:46*	*12/13/14 20:40*	*1*
Octadecanoic acid	*4.7*	*T J N*	*ug/L*		*10.72*	*57-11-4*	*12/10/14 14:46*	*12/13/14 20:40*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*10.77*		*12/10/14 14:46*	*12/13/14 20:40*	*1*
Unknown	*5.9*	*T J B*	*ug/L*		*11.14*		*12/10/14 14:46*	*12/13/14 20:40*	*1*
Unknown	*28*	*T J B*	*ug/L*		*11.50*		*12/10/14 14:46*	*12/13/14 20:40*	*1*
Unknown	*2.9*	*T J B*	*ug/L*		*11.79*		*12/10/14 14:46*	*12/13/14 20:40*	*1*
Unknown	*12*	*T J B*	*ug/L*		*12.03*		*12/10/14 14:46*	*12/13/14 20:40*	*1*
Unknown	*5.1*	*T J B*	*ug/L*		*12.42*		*12/10/14 14:46*	*12/13/14 20:40*	*1*
Unknown	*3.5*	*T J B*	*ug/L*		*12.80*		*12/10/14 14:46*	*12/13/14 20:40*	*1*
Unknown	*14*	*T J B*	*ug/L*		*13.09*		*12/10/14 14:46*	*12/13/14 20:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*52 - 132*	*12/10/14 14:46*	*12/13/14 20:40*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*12/10/14 14:46*	*12/13/14 20:40*	*1*
2-Fluorophenol (Surr)	*87*		*20 - 120*	*12/10/14 14:46*	*12/13/14 20:40*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 120*	*12/10/14 14:46*	*12/13/14 20:40*	*1*
Phenol-d5 (Surr)	*52*		*16 - 120*	*12/10/14 14:46*	*12/13/14 20:40*	*1*
p-Terphenyl-d14 (Surr)	*97*		*67 - 150*	*12/10/14 14:46*	*12/13/14 20:40*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.65**		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 11:25	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP5-1214-U
Date Collected: 12/09/14 13:00
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-13
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 18:11	1
Arsenic	ND		0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 18:11	1
Barium	**0.034**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 18:11	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 18:11	1
Cadmium	ND		0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 18:11	1
Calcium	**65.1**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 18:11	1
Chromium	ND		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 18:11	1
Cobalt	ND		0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 18:11	1
Copper	**0.0017**	**J**	0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 18:11	1
Iron	**3.1**		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 18:11	1
Lead	**0.0033**	**J**	0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 18:11	1
Magnesium	**40.0**		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 18:11	1
Manganese	**0.46**		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 18:11	1
Nickel	ND		0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 18:11	1
Potassium	**36.2**	**^**	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 11:25	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 18:11	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 18:11	1
Sodium	**17.3**		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 18:11	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 18:11	1
Vanadium	ND		0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 18:11	1
Zinc	**0.0082**	**J B**	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 18:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 15:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.035**		0.010	0.0050	mg/L		12/17/14 13:26	12/19/14 10:14	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			12/12/14 11:12	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP5-1214-F
Date Collected: 12/09/14 13:10
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-14
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		12/10/14 14:46	12/13/14 21:05	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		12/10/14 14:46	12/13/14 21:05	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		12/10/14 14:46	12/13/14 21:05	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		12/10/14 14:46	12/13/14 21:05	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		12/10/14 14:46	12/13/14 21:05	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		12/10/14 14:46	12/13/14 21:05	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		12/10/14 14:46	12/13/14 21:05	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		12/10/14 14:46	12/13/14 21:05	1
2-Chlorophenol	ND		5.2	0.55	ug/L		12/10/14 14:46	12/13/14 21:05	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		12/10/14 14:46	12/13/14 21:05	1
2-Methylphenol	ND		5.2	0.42	ug/L		12/10/14 14:46	12/13/14 21:05	1
2-Nitroaniline	ND		10	0.44	ug/L		12/10/14 14:46	12/13/14 21:05	1
2-Nitrophenol	ND		5.2	0.50	ug/L		12/10/14 14:46	12/13/14 21:05	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		12/10/14 14:46	12/13/14 21:05	1
3-Nitroaniline	ND	*	10	0.50	ug/L		12/10/14 14:46	12/13/14 21:05	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		12/10/14 14:46	12/13/14 21:05	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		12/10/14 14:46	12/13/14 21:05	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		12/10/14 14:46	12/13/14 21:05	1
4-Chloroaniline	ND	*	5.2	0.62	ug/L		12/10/14 14:46	12/13/14 21:05	1
4-Chlorophenyl phenyl ether	ND		5.2	0.37	ug/L		12/10/14 14:46	12/13/14 21:05	1
4-Methylphenol	ND		10	0.38	ug/L		12/10/14 14:46	12/13/14 21:05	1
4-Nitroaniline	ND	*	10	0.26	ug/L		12/10/14 14:46	12/13/14 21:05	1
4-Nitrophenol	ND		10	1.6	ug/L		12/10/14 14:46	12/13/14 21:05	1
Acenaphthene	ND		5.2	0.43	ug/L		12/10/14 14:46	12/13/14 21:05	1
Acenaphthylene	ND		5.2	0.40	ug/L		12/10/14 14:46	12/13/14 21:05	1
Acetophenone	ND		5.2	0.56	ug/L		12/10/14 14:46	12/13/14 21:05	1
Anthracene	ND		5.2	0.29	ug/L		12/10/14 14:46	12/13/14 21:05	1
Atrazine	ND		5.2	0.48	ug/L		12/10/14 14:46	12/13/14 21:05	1
Benzaldehyde	ND		5.2	0.28	ug/L		12/10/14 14:46	12/13/14 21:05	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		12/10/14 14:46	12/13/14 21:05	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		12/10/14 14:46	12/13/14 21:05	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		12/10/14 14:46	12/13/14 21:05	1
Benzo[g,h,i]perylene	ND		5.2	0.37	ug/L		12/10/14 14:46	12/13/14 21:05	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		12/10/14 14:46	12/13/14 21:05	1
Biphenyl	ND		5.2	0.68	ug/L		12/10/14 14:46	12/13/14 21:05	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		12/10/14 14:46	12/13/14 21:05	1
Bis(2-chloroethoxy)methane	ND		5.2	0.37	ug/L		12/10/14 14:46	12/13/14 21:05	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		12/10/14 14:46	12/13/14 21:05	1
Bis(2-ethylhexyl) phthalate	**5.2**	**B**	5.2	1.9	ug/L		12/10/14 14:46	12/13/14 21:05	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		12/10/14 14:46	12/13/14 21:05	1
Caprolactam	ND		5.2	2.3	ug/L		12/10/14 14:46	12/13/14 21:05	1
Carbazole	ND	*	5.2	0.31	ug/L		12/10/14 14:46	12/13/14 21:05	1
Chrysene	ND		5.2	0.34	ug/L		12/10/14 14:46	12/13/14 21:05	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		12/10/14 14:46	12/13/14 21:05	1
Dibenzofuran	ND		10	0.53	ug/L		12/10/14 14:46	12/13/14 21:05	1
Diethyl phthalate	ND		5.2	0.23	ug/L		12/10/14 14:46	12/13/14 21:05	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		12/10/14 14:46	12/13/14 21:05	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		12/10/14 14:46	12/13/14 21:05	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		12/10/14 14:46	12/13/14 21:05	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP5-1214-F
Date Collected: 12/09/14 13:10
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-14
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		12/10/14 14:46	12/13/14 21:05	1
Fluorene	ND		5.2	0.38	ug/L		12/10/14 14:46	12/13/14 21:05	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		12/10/14 14:46	12/13/14 21:05	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		12/10/14 14:46	12/13/14 21:05	1
Hexachlorocyclopentadiene	ND		5.2	0.62	ug/L		12/10/14 14:46	12/13/14 21:05	1
Hexachloroethane	ND		5.2	0.62	ug/L		12/10/14 14:46	12/13/14 21:05	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		12/10/14 14:46	12/13/14 21:05	1
Isophorone	ND		5.2	0.45	ug/L		12/10/14 14:46	12/13/14 21:05	1
Naphthalene	ND		5.2	0.79	ug/L		12/10/14 14:46	12/13/14 21:05	1
Nitrobenzene	ND		5.2	0.30	ug/L		12/10/14 14:46	12/13/14 21:05	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		12/10/14 14:46	12/13/14 21:05	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		12/10/14 14:46	12/13/14 21:05	1
Pentachlorophenol	ND		10	2.3	ug/L		12/10/14 14:46	12/13/14 21:05	1
Phenanthrene	ND		5.2	0.46	ug/L		12/10/14 14:46	12/13/14 21:05	1
Phenol	ND		5.2	0.41	ug/L		12/10/14 14:46	12/13/14 21:05	1
Pyrene	ND		5.2	0.35	ug/L		12/10/14 14:46	12/13/14 21:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*68*	*T J B*	*ug/L*		*2.88*		*12/10/14 14:46*	*12/13/14 21:05*	*1*
Unknown	*16*	*T J*	*ug/L*		*4.48*		*12/10/14 14:46*	*12/13/14 21:05*	*1*
Cyclotetrasiloxane, octamethyl-	*3.2*	*T J N B*	*ug/L*		*5.57*	*556-67-2*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
D-Limonene	*5.3*	*T J N*	*ug/L*		*5.97*	*5989-27-5*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
Cyclopentasiloxane, decamethyl-	*3.5*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
Nonanoic acid	*4.0*	*T J N*	*ug/L*		*7.30*	*112-05-0*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.5*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
n-Hexadecanoic acid	*10*	*T J N B*	*ug/L*		*10.08*	*57-10-3*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
Unknown	*14*	*T J B*	*ug/L*		*10.68*		*12/10/14 14:46*	*12/13/14 21:05*	*1*
Octadecanoic acid	*6.6*	*T J N*	*ug/L*		*10.72*	*57-11-4*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
Unknown	*6.0*	*T J B*	*ug/L*		*11.14*		*12/10/14 14:46*	*12/13/14 21:05*	*1*
Unknown	*19*	*T J*	*ug/L*		*11.50*		*12/10/14 14:46*	*12/13/14 21:05*	*1*
Unknown	*3.0*	*T J B*	*ug/L*		*11.79*		*12/10/14 14:46*	*12/13/14 21:05*	*1*
Unknown	*13*	*T J B*	*ug/L*		*12.03*		*12/10/14 14:46*	*12/13/14 21:05*	*1*
Unknown	*12*	*T J B*	*ug/L*		*12.43*		*12/10/14 14:46*	*12/13/14 21:05*	*1*
Unknown	*3.7*	*T J B*	*ug/L*		*12.80*		*12/10/14 14:46*	*12/13/14 21:05*	*1*
Erucylamide	*2.8*	*T J N*	*ug/L*		*12.87*	*112-84-5*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
Unknown	*16*	*T J B*	*ug/L*		*13.09*		*12/10/14 14:46*	*12/13/14 21:05*	*1*
Unknown	*17*	*T J B*	*ug/L*		*14.33*		*12/10/14 14:46*	*12/13/14 21:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*52 - 132*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
2-Fluorobiphenyl	*92*		*48 - 120*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
2-Fluorophenol (Surr)	*83*		*20 - 120*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 120*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
Phenol-d5 (Surr)	*51*		*16 - 120*	*12/10/14 14:46*	*12/13/14 21:05*	*1*
p-Terphenyl-d14 (Surr)	*89*		*67 - 150*	*12/10/14 14:46*	*12/13/14 21:05*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 11:28	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 18:14	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP5-1214-F
Date Collected: 12/09/14 13:10
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-14
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 18:14	1
Barium	**0.036**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 18:14	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 18:14	1
Cadmium	ND		0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 18:14	1
Calcium	**69.3**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 18:14	1
Chromium	ND		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 18:14	1
Cobalt	ND		0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 18:14	1
Copper	ND		0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 18:14	1
Iron	**2.5**		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 18:14	1
Lead	**0.0035**	**J**	0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 18:14	1
Magnesium	**43.1**		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 18:14	1
Manganese	**0.49**		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 18:14	1
Nickel	ND		0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 18:14	1
Potassium	**41.6**	**^**	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 11:28	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 18:14	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 18:14	1
Sodium	**18.6**		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 18:14	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 18:14	1
Vanadium	ND		0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 18:14	1
Zinc	**0.0057**	**J B**	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 18:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 15:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.035**		0.010	0.0050	mg/L		12/17/14 13:26	12/19/14 10:15	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			12/12/14 11:13	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: DUP-1-1214
Date Collected: 12/09/14 00:00
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-15
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		12/10/14 14:46	12/13/14 21:30	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		12/10/14 14:46	12/13/14 21:30	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		12/10/14 14:46	12/13/14 21:30	1
2,4-Dimethylphenol	**0.59**	**J**	4.9	0.49	ug/L		12/10/14 14:46	12/13/14 21:30	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		12/10/14 14:46	12/13/14 21:30	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		12/10/14 14:46	12/13/14 21:30	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 21:30	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		12/10/14 14:46	12/13/14 21:30	1
2-Chlorophenol	ND		4.9	0.52	ug/L		12/10/14 14:46	12/13/14 21:30	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		12/10/14 14:46	12/13/14 21:30	1
2-Methylphenol	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 21:30	1
2-Nitroaniline	ND		9.8	0.41	ug/L		12/10/14 14:46	12/13/14 21:30	1
2-Nitrophenol	ND		4.9	0.47	ug/L		12/10/14 14:46	12/13/14 21:30	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 21:30	1
3-Nitroaniline	ND	*	9.8	0.47	ug/L		12/10/14 14:46	12/13/14 21:30	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.2	ug/L		12/10/14 14:46	12/13/14 21:30	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		12/10/14 14:46	12/13/14 21:30	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		12/10/14 14:46	12/13/14 21:30	1
4-Chloroaniline	ND	*	4.9	0.58	ug/L		12/10/14 14:46	12/13/14 21:30	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		12/10/14 14:46	12/13/14 21:30	1
4-Methylphenol	**0.88**	**J**	9.8	0.35	ug/L		12/10/14 14:46	12/13/14 21:30	1
4-Nitroaniline	ND	*	9.8	0.25	ug/L		12/10/14 14:46	12/13/14 21:30	1
4-Nitrophenol	ND		9.8	1.5	ug/L		12/10/14 14:46	12/13/14 21:30	1
Acenaphthene	ND		4.9	0.40	ug/L		12/10/14 14:46	12/13/14 21:30	1
Acenaphthylene	ND		4.9	0.37	ug/L		12/10/14 14:46	12/13/14 21:30	1
Acetophenone	ND		4.9	0.53	ug/L		12/10/14 14:46	12/13/14 21:30	1
Anthracene	ND		4.9	0.27	ug/L		12/10/14 14:46	12/13/14 21:30	1
Atrazine	ND		4.9	0.45	ug/L		12/10/14 14:46	12/13/14 21:30	1
Benzaldehyde	**0.27**	**J**	4.9	0.26	ug/L		12/10/14 14:46	12/13/14 21:30	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		12/10/14 14:46	12/13/14 21:30	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		12/10/14 14:46	12/13/14 21:30	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		12/10/14 14:46	12/13/14 21:30	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		12/10/14 14:46	12/13/14 21:30	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		12/10/14 14:46	12/13/14 21:30	1
Biphenyl	ND		4.9	0.64	ug/L		12/10/14 14:46	12/13/14 21:30	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		12/10/14 14:46	12/13/14 21:30	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		12/10/14 14:46	12/13/14 21:30	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 21:30	1
Bis(2-ethylhexyl) phthalate	**4.6**	**J B**	4.9	1.8	ug/L		12/10/14 14:46	12/13/14 21:30	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		12/10/14 14:46	12/13/14 21:30	1
Caprolactam	ND		4.9	2.2	ug/L		12/10/14 14:46	12/13/14 21:30	1
Carbazole	ND	*	4.9	0.29	ug/L		12/10/14 14:46	12/13/14 21:30	1
Chrysene	ND		4.9	0.32	ug/L		12/10/14 14:46	12/13/14 21:30	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		12/10/14 14:46	12/13/14 21:30	1
Dibenzofuran	ND		9.8	0.50	ug/L		12/10/14 14:46	12/13/14 21:30	1
Diethyl phthalate	ND		4.9	0.22	ug/L		12/10/14 14:46	12/13/14 21:30	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		12/10/14 14:46	12/13/14 21:30	1
Di-n-butyl phthalate	ND		4.9	0.30	ug/L		12/10/14 14:46	12/13/14 21:30	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		12/10/14 14:46	12/13/14 21:30	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: DUP-1-1214
Date Collected: 12/09/14 00:00
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-15
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		12/10/14 14:46	12/13/14 21:30	1
Fluorene	ND		4.9	0.35	ug/L		12/10/14 14:46	12/13/14 21:30	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		12/10/14 14:46	12/13/14 21:30	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		12/10/14 14:46	12/13/14 21:30	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		12/10/14 14:46	12/13/14 21:30	1
Hexachloroethane	ND		4.9	0.58	ug/L		12/10/14 14:46	12/13/14 21:30	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		12/10/14 14:46	12/13/14 21:30	1
Isophorone	ND		4.9	0.42	ug/L		12/10/14 14:46	12/13/14 21:30	1
Naphthalene	ND		4.9	0.75	ug/L		12/10/14 14:46	12/13/14 21:30	1
Nitrobenzene	ND		4.9	0.28	ug/L		12/10/14 14:46	12/13/14 21:30	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		12/10/14 14:46	12/13/14 21:30	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		12/10/14 14:46	12/13/14 21:30	1
Pentachlorophenol	ND		9.8	2.2	ug/L		12/10/14 14:46	12/13/14 21:30	1
Phenanthrene	ND		4.9	0.43	ug/L		12/10/14 14:46	12/13/14 21:30	1
Phenol	**6.4**		4.9	0.38	ug/L		12/10/14 14:46	12/13/14 21:30	1
Pyrene	ND		4.9	0.33	ug/L		12/10/14 14:46	12/13/14 21:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*47*	*T J B*	*ug/L*		*2.85*		*12/10/14 14:46*	*12/13/14 21:30*	*1*
Unknown	*11*	*T J*	*ug/L*		*4.46*		*12/10/14 14:46*	*12/13/14 21:30*	*1*
Cyclotetrasiloxane, octamethyl-	*2.8*	*T J N B*	*ug/L*		*5.56*	*556-67-2*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
D-Limonene	*7.0*	*T J N*	*ug/L*		*5.97*	*5989-27-5*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
Benzyl alcohol	*0.79*	*J B*	*ug/L*		*6.04*	*100-51-6*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
Cyclopentasiloxane, decamethyl-	*3.2*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	*1.8*	*T J N*	*ug/L*		*6.72*	*464-49-3*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
Benzeneacetic acid	*6.2*	*T J N*	*ug/L*		*7.26*	*103-82-2*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
Nonanoic acid	*1.9*	*T J N*	*ug/L*		*7.31*	*112-05-0*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.2*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
Unknown	*2.3*	*T J B*	*ug/L*		*8.14*		*12/10/14 14:46*	*12/13/14 21:30*	*1*
2,3,4,6-Tetrachlorophenol	*0.47*	*J*	*ug/L*		*8.69*	*58-90-2*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
n-Hexadecanoic acid	*8.9*	*T J N B*	*ug/L*		*10.10*	*57-10-3*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
Octadecanoic acid	*7.4*	*T J N*	*ug/L*		*10.74*	*57-11-4*	*12/10/14 14:46*	*12/13/14 21:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*52 - 132*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
2-Fluorophenol (Surr)	*63*		*20 - 120*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 120*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
Phenol-d5 (Surr)	*37*		*16 - 120*	*12/10/14 14:46*	*12/13/14 21:30*	*1*
p-Terphenyl-d14 (Surr)	*81*		*67 - 150*	*12/10/14 14:46*	*12/13/14 21:30*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.37**		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 11:31	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 18:16	1
Arsenic	**0.0091**	**J**	0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 18:16	1
Barium	**0.019**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 18:16	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 18:16	1
Cadmium	**0.00071**	**J**	0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 18:16	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: DUP-1-1214
Date Collected: 12/09/14 00:00
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-15
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	36.8		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 18:16	1
Chromium	0.016		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 18:16	1
Cobalt	0.00091	J	0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 18:16	1
Copper	0.0054	J	0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 18:16	1
Iron	0.99		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 18:16	1
Lead	0.0086	J	0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 18:16	1
Magnesium	35.6		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 18:16	1
Manganese	0.092		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 18:16	1
Nickel	0.0026	J	0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 18:16	1
Potassium	102	^	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 11:31	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 18:16	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 18:16	1
Sodium	84.6		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 18:16	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 18:16	1
Vanadium	0.0050		0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 18:16	1
Zinc	0.018	B	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 18:16	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.59		0.050	0.025	mg/L		12/17/14 13:26	12/19/14 12:39	5
Cyanide, Available	0.11		0.0020	0.0018	mg/L			12/12/14 11:15	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP6-1214-U
Date Collected: 12/09/14 14:30
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-16
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/10/14 14:46	12/13/14 21:55	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/10/14 14:46	12/13/14 21:55	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/10/14 14:46	12/13/14 21:55	1
2,4-Dimethylphenol	**0.60**	**J**	5.0	0.50	ug/L		12/10/14 14:46	12/13/14 21:55	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		12/10/14 14:46	12/13/14 21:55	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/10/14 14:46	12/13/14 21:55	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 21:55	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/10/14 14:46	12/13/14 21:55	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/10/14 14:46	12/13/14 21:55	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/10/14 14:46	12/13/14 21:55	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 21:55	1
2-Nitroaniline	ND		10	0.42	ug/L		12/10/14 14:46	12/13/14 21:55	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/10/14 14:46	12/13/14 21:55	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 21:55	1
3-Nitroaniline	ND	*	10	0.48	ug/L		12/10/14 14:46	12/13/14 21:55	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/10/14 14:46	12/13/14 21:55	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/10/14 14:46	12/13/14 21:55	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/10/14 14:46	12/13/14 21:55	1
4-Chloroaniline	ND	*	5.0	0.59	ug/L		12/10/14 14:46	12/13/14 21:55	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/10/14 14:46	12/13/14 21:55	1
4-Methylphenol	**0.91**	**J**	10	0.36	ug/L		12/10/14 14:46	12/13/14 21:55	1
4-Nitroaniline	ND	*	10	0.25	ug/L		12/10/14 14:46	12/13/14 21:55	1
4-Nitrophenol	ND		10	1.5	ug/L		12/10/14 14:46	12/13/14 21:55	1
Acenaphthene	ND		5.0	0.41	ug/L		12/10/14 14:46	12/13/14 21:55	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/10/14 14:46	12/13/14 21:55	1
Acetophenone	ND		5.0	0.54	ug/L		12/10/14 14:46	12/13/14 21:55	1
Anthracene	ND		5.0	0.28	ug/L		12/10/14 14:46	12/13/14 21:55	1
Atrazine	ND		5.0	0.46	ug/L		12/10/14 14:46	12/13/14 21:55	1
Benzaldehyde	ND		5.0	0.27	ug/L		12/10/14 14:46	12/13/14 21:55	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/10/14 14:46	12/13/14 21:55	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/10/14 14:46	12/13/14 21:55	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/10/14 14:46	12/13/14 21:55	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/10/14 14:46	12/13/14 21:55	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/10/14 14:46	12/13/14 21:55	1
Biphenyl	ND		5.0	0.65	ug/L		12/10/14 14:46	12/13/14 21:55	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/10/14 14:46	12/13/14 21:55	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/10/14 14:46	12/13/14 21:55	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 21:55	1
Bis(2-ethylhexyl) phthalate	**4.7**	**J B**	5.0	1.8	ug/L		12/10/14 14:46	12/13/14 21:55	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		12/10/14 14:46	12/13/14 21:55	1
Caprolactam	ND		5.0	2.2	ug/L		12/10/14 14:46	12/13/14 21:55	1
Carbazole	ND	*	5.0	0.30	ug/L		12/10/14 14:46	12/13/14 21:55	1
Chrysene	ND		5.0	0.33	ug/L		12/10/14 14:46	12/13/14 21:55	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/10/14 14:46	12/13/14 21:55	1
Dibenzofuran	ND		10	0.51	ug/L		12/10/14 14:46	12/13/14 21:55	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/10/14 14:46	12/13/14 21:55	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/10/14 14:46	12/13/14 21:55	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/10/14 14:46	12/13/14 21:55	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/10/14 14:46	12/13/14 21:55	1

Client Sample ID: GW-TP6-1214-U

Date Collected: 12/09/14 14:30
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-16

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		12/10/14 14:46	12/13/14 21:55	1
Fluorene	ND		5.0	0.36	ug/L		12/10/14 14:46	12/13/14 21:55	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/10/14 14:46	12/13/14 21:55	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/10/14 14:46	12/13/14 21:55	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/10/14 14:46	12/13/14 21:55	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/10/14 14:46	12/13/14 21:55	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/10/14 14:46	12/13/14 21:55	1
Isophorone	ND		5.0	0.43	ug/L		12/10/14 14:46	12/13/14 21:55	1
Naphthalene	ND		5.0	0.76	ug/L		12/10/14 14:46	12/13/14 21:55	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/10/14 14:46	12/13/14 21:55	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/10/14 14:46	12/13/14 21:55	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/10/14 14:46	12/13/14 21:55	1
Pentachlorophenol	ND		10	2.2	ug/L		12/10/14 14:46	12/13/14 21:55	1
Phenanthrene	ND		5.0	0.44	ug/L		12/10/14 14:46	12/13/14 21:55	1
Phenol	**6.5**		5.0	0.39	ug/L		12/10/14 14:46	12/13/14 21:55	1
Pyrene	ND		5.0	0.34	ug/L		12/10/14 14:46	12/13/14 21:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*45*	*T J B*	*ug/L*		*2.84*		*12/10/14 14:46*	*12/13/14 21:55*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*4.45*		*12/10/14 14:46*	*12/13/14 21:55*	*1*
Cyclotetrasiloxane, octamethyl-	*3.0*	*T J N B*	*ug/L*		*5.56*	*556-67-2*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
D-Limonene	*7.1*	*T J N B*	*ug/L*		*5.97*	*5989-27-5*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
Benzyl alcohol	*0.85*	*J B*	*ug/L*		*6.04*	*100-51-6*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
Cyclopentasiloxane, decamethyl-	*3.4*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	*1.7*	*T J N*	*ug/L*		*6.73*	*464-49-3*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
Benzeneacetic acid	*6.6*	*T J N*	*ug/L*		*7.26*	*103-82-2*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.2*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
Unknown	*2.3*	*T J B*	*ug/L*		*8.14*		*12/10/14 14:46*	*12/13/14 21:55*	*1*
2,3,4,6-Tetrachlorophenol	*0.45*	*J*	*ug/L*		*8.69*	*58-90-2*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
n-Hexadecanoic acid	*6.0*	*T J N B*	*ug/L*		*10.10*	*57-10-3*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
Octadecanoic acid	*5.3*	*T J N*	*ug/L*		*10.74*	*57-11-4*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
Unknown	*5.8*	*T J B*	*ug/L*		*11.14*		*12/10/14 14:46*	*12/13/14 21:55*	*1*
Unknown	*13*	*T J B*	*ug/L*		*12.04*		*12/10/14 14:46*	*12/13/14 21:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*52 - 132*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
2-Fluorobiphenyl	*81*		*48 - 120*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
2-Fluorophenol (Surr)	*59*		*20 - 120*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
Phenol-d5 (Surr)	*36*		*16 - 120*	*12/10/14 14:46*	*12/13/14 21:55*	*1*
p-Terphenyl-d14 (Surr)	*82*		*67 - 150*	*12/10/14 14:46*	*12/13/14 21:55*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.40**		0.20	0.060	mg/L		12/10/14 12:22	12/12/14 11:33	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 18:19	1
Arsenic	**0.0084**	**J**	0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 18:19	1
Barium	**0.019**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 18:19	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 18:19	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP6-1214-U
Date Collected: 12/09/14 14:30
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-16
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 18:19	1
Calcium	**36.4**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 18:19	1
Chromium	**0.017**		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 18:19	1
Cobalt	**0.00069**	**J**	0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 18:19	1
Copper	**0.0058**	**J**	0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 18:19	1
Iron	**1.2**		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 18:19	1
Lead	**0.0081**	**J**	0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 18:19	1
Magnesium	**36.8**		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 18:19	1
Manganese	**0.099**		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 18:19	1
Nickel	**0.0035**	**J**	0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 18:19	1
Potassium	**98.1**	**^**	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 11:33	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 18:19	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 18:19	1
Sodium	**83.7**		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 18:19	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 18:19	1
Vanadium	**0.0054**		0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 18:19	1
Zinc	**0.019**	**B**	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 18:19	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 15:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.63**		0.020	0.010	mg/L		12/22/14 01:20	12/22/14 19:54	2
Cyanide, Available	**0.066**		0.0020	0.0018	mg/L			12/12/14 11:16	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP6-1214-F
Date Collected: 12/09/14 14:40
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-17
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		12/10/14 14:46	12/13/14 22:20	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		12/10/14 14:46	12/13/14 22:20	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		12/10/14 14:46	12/13/14 22:20	1
2,4-Dimethylphenol	**0.64**	**J**	5.1	0.51	ug/L		12/10/14 14:46	12/13/14 22:20	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		12/10/14 14:46	12/13/14 22:20	1
2,4-Dinitrotoluene	ND		5.1	0.45	ug/L		12/10/14 14:46	12/13/14 22:20	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 22:20	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		12/10/14 14:46	12/13/14 22:20	1
2-Chlorophenol	ND		5.1	0.54	ug/L		12/10/14 14:46	12/13/14 22:20	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		12/10/14 14:46	12/13/14 22:20	1
2-Methylphenol	**0.41**	**J**	5.1	0.41	ug/L		12/10/14 14:46	12/13/14 22:20	1
2-Nitroaniline	ND		10	0.43	ug/L		12/10/14 14:46	12/13/14 22:20	1
2-Nitrophenol	ND		5.1	0.49	ug/L		12/10/14 14:46	12/13/14 22:20	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 22:20	1
3-Nitroaniline	ND	*	10	0.49	ug/L		12/10/14 14:46	12/13/14 22:20	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/10/14 14:46	12/13/14 22:20	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		12/10/14 14:46	12/13/14 22:20	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		12/10/14 14:46	12/13/14 22:20	1
4-Chloroaniline	ND	*	5.1	0.60	ug/L		12/10/14 14:46	12/13/14 22:20	1
4-Chlorophenyl phenyl ether	ND		5.1	0.35	ug/L		12/10/14 14:46	12/13/14 22:20	1
4-Methylphenol	**1.1**	**J**	10	0.37	ug/L		12/10/14 14:46	12/13/14 22:20	1
4-Nitroaniline	ND	*	10	0.25	ug/L		12/10/14 14:46	12/13/14 22:20	1
4-Nitrophenol	ND		10	1.5	ug/L		12/10/14 14:46	12/13/14 22:20	1
Acenaphthene	ND		5.1	0.42	ug/L		12/10/14 14:46	12/13/14 22:20	1
Acenaphthylene	ND		5.1	0.39	ug/L		12/10/14 14:46	12/13/14 22:20	1
Acetophenone	ND		5.1	0.55	ug/L		12/10/14 14:46	12/13/14 22:20	1
Anthracene	ND		5.1	0.28	ug/L		12/10/14 14:46	12/13/14 22:20	1
Atrazine	ND		5.1	0.47	ug/L		12/10/14 14:46	12/13/14 22:20	1
Benzaldehyde	**0.30**	**J**	5.1	0.27	ug/L		12/10/14 14:46	12/13/14 22:20	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		12/10/14 14:46	12/13/14 22:20	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		12/10/14 14:46	12/13/14 22:20	1
Benzo[b]fluoranthene	ND		5.1	0.34	ug/L		12/10/14 14:46	12/13/14 22:20	1
Benzo[g,h,i]perylene	ND		5.1	0.35	ug/L		12/10/14 14:46	12/13/14 22:20	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		12/10/14 14:46	12/13/14 22:20	1
Biphenyl	ND		5.1	0.66	ug/L		12/10/14 14:46	12/13/14 22:20	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		12/10/14 14:46	12/13/14 22:20	1
Bis(2-chloroethoxy)methane	ND		5.1	0.35	ug/L		12/10/14 14:46	12/13/14 22:20	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 22:20	1
Bis(2-ethylhexyl) phthalate	**5.0**	**J B**	5.1	1.8	ug/L		12/10/14 14:46	12/13/14 22:20	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		12/10/14 14:46	12/13/14 22:20	1
Caprolactam	ND		5.1	2.2	ug/L		12/10/14 14:46	12/13/14 22:20	1
Carbazole	ND	*	5.1	0.30	ug/L		12/10/14 14:46	12/13/14 22:20	1
Chrysene	ND		5.1	0.33	ug/L		12/10/14 14:46	12/13/14 22:20	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		12/10/14 14:46	12/13/14 22:20	1
Dibenzofuran	ND		10	0.52	ug/L		12/10/14 14:46	12/13/14 22:20	1
Diethyl phthalate	ND		5.1	0.22	ug/L		12/10/14 14:46	12/13/14 22:20	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		12/10/14 14:46	12/13/14 22:20	1
Di-n-butyl phthalate	**0.37**	**J**	5.1	0.31	ug/L		12/10/14 14:46	12/13/14 22:20	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		12/10/14 14:46	12/13/14 22:20	1

Client Sample ID: GW-TP6-1214-F

Date Collected: 12/09/14 14:40
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-17

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		12/10/14 14:46	12/13/14 22:20	1
Fluorene	ND		5.1	0.37	ug/L		12/10/14 14:46	12/13/14 22:20	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		12/10/14 14:46	12/13/14 22:20	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		12/10/14 14:46	12/13/14 22:20	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		12/10/14 14:46	12/13/14 22:20	1
Hexachloroethane	ND		5.1	0.60	ug/L		12/10/14 14:46	12/13/14 22:20	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		12/10/14 14:46	12/13/14 22:20	1
Isophorone	ND		5.1	0.44	ug/L		12/10/14 14:46	12/13/14 22:20	1
Naphthalene	ND		5.1	0.77	ug/L		12/10/14 14:46	12/13/14 22:20	1
Nitrobenzene	ND		5.1	0.29	ug/L		12/10/14 14:46	12/13/14 22:20	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		12/10/14 14:46	12/13/14 22:20	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		12/10/14 14:46	12/13/14 22:20	1
Pentachlorophenol	ND		10	2.2	ug/L		12/10/14 14:46	12/13/14 22:20	1
Phenanthrene	ND		5.1	0.45	ug/L		12/10/14 14:46	12/13/14 22:20	1
Phenol	**8.1**		5.1	0.40	ug/L		12/10/14 14:46	12/13/14 22:20	1
Pyrene	ND		5.1	0.34	ug/L		12/10/14 14:46	12/13/14 22:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*8.3*	*T J*	*ug/L*		*2.84*		*12/10/14 14:46*	*12/13/14 22:20*	*1*
Unknown	*46*	*T J B*	*ug/L*		*2.86*		*12/10/14 14:46*	*12/13/14 22:20*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*4.47*		*12/10/14 14:46*	*12/13/14 22:20*	*1*
Cyclotetrasiloxane, octamethyl-	*3.1*	*T J N B*	*ug/L*		*5.57*	*556-67-2*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
D-Limonene	*6.5*	*T J N*	*ug/L*		*5.97*	*5989-27-5*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
Benzyl alcohol	*0.79*	*J B*	*ug/L*		*6.04*	*100-51-6*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
Cyclopentasiloxane, decamethyl-	*3.3*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	*1.9*	*T J N*	*ug/L*		*6.73*	*464-48-2*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
Benzeneacetic acid	*7.5*	*T J N*	*ug/L*		*7.27*	*103-82-2*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.6*	*T J N B*	*ug/L*		*7.38*	*540-97-6*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
Unknown	*2.2*	*T J B*	*ug/L*		*8.14*		*12/10/14 14:46*	*12/13/14 22:20*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*1.8*	*T J N*	*ug/L*		*8.41*	*96-76-4*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
2,3,4,6-Tetrachlorophenol	*0.52*	*J*	*ug/L*		*8.69*	*58-90-2*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
n-Hexadecanoic acid	*13*	*T J N*	*ug/L*		*10.10*	*57-10-3*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
Octadecanoic acid	*5.3*	*T J N*	*ug/L*		*10.74*	*57-11-4*	*12/10/14 14:46*	*12/13/14 22:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*52 - 132*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
2-Fluorophenol (Surr)	*69*		*20 - 120*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 120*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
Phenol-d5 (Surr)	*42*		*16 - 120*	*12/10/14 14:46*	*12/13/14 22:20*	*1*
p-Terphenyl-d14 (Surr)	*84*		*67 - 150*	*12/10/14 14:46*	*12/13/14 22:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.11**	**J**	0.20	0.060	mg/L		12/10/14 12:22	12/12/14 11:36	1
Antimony	ND		0.020	0.0068	mg/L		12/10/14 12:22	12/11/14 18:22	1
Arsenic	**0.0093**	**J**	0.015	0.0056	mg/L		12/10/14 12:22	12/11/14 18:22	1
Barium	**0.017**		0.0020	0.00070	mg/L		12/10/14 12:22	12/11/14 18:22	1
Beryllium	ND		0.0020	0.00030	mg/L		12/10/14 12:22	12/11/14 18:22	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP6-1214-F
Date Collected: 12/09/14 14:40
Date Received: 12/09/14 16:10

Lab Sample ID: 480-72717-17
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		12/10/14 12:22	12/11/14 18:22	1
Calcium	**36.7**		0.50	0.10	mg/L		12/10/14 12:22	12/11/14 18:22	1
Chromium	**0.0093**		0.0040	0.0010	mg/L		12/10/14 12:22	12/11/14 18:22	1
Cobalt	**0.00091**	**J**	0.0040	0.00063	mg/L		12/10/14 12:22	12/11/14 18:22	1
Copper	**0.0027**	**J**	0.010	0.0016	mg/L		12/10/14 12:22	12/11/14 18:22	1
Iron	**0.32**		0.050	0.019	mg/L		12/10/14 12:22	12/11/14 18:22	1
Lead	**0.0045**	**J**	0.010	0.0030	mg/L		12/10/14 12:22	12/11/14 18:22	1
Magnesium	**36.8**		0.20	0.043	mg/L		12/10/14 12:22	12/11/14 18:22	1
Manganese	**0.073**		0.0030	0.00040	mg/L		12/10/14 12:22	12/11/14 18:22	1
Nickel	**0.0027**	**J**	0.010	0.0013	mg/L		12/10/14 12:22	12/11/14 18:22	1
Potassium	**100**	**^**	0.50	0.10	mg/L		12/10/14 12:22	12/12/14 11:36	1
Selenium	ND		0.025	0.0087	mg/L		12/10/14 12:22	12/11/14 18:22	1
Silver	ND		0.0060	0.0017	mg/L		12/10/14 12:22	12/11/14 18:22	1
Sodium	**85.6**		1.0	0.32	mg/L		12/10/14 12:22	12/11/14 18:22	1
Thallium	ND		0.020	0.010	mg/L		12/10/14 12:22	12/11/14 18:22	1
Vanadium	**0.0039**	**J**	0.0050	0.0015	mg/L		12/10/14 12:22	12/11/14 18:22	1
Zinc	**0.0074**	**J B**	0.010	0.0015	mg/L		12/10/14 12:22	12/11/14 18:22	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/10/14 09:15	12/10/14 15:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.59**		0.020	0.010	mg/L		12/22/14 01:20	12/22/14 19:56	2
Cyanide, Available	**0.12**		0.0020	0.0018	mg/L			12/12/14 11:18	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP11-1214-U

Lab Sample ID: 480-72717-1

Date Collected: 12/08/14 15:20

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 15:42	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 17:11	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 10:26	LMH	TAL BUF
Total/NA	Prep	7470A			218238	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 14:30	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220124	12/19/14 09:52	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 10:45	PGJ	TAL PIT

Client Sample ID: GW-TP11-1214-F

Lab Sample ID: 480-72717-2

Date Collected: 12/08/14 15:40

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 16:07	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 17:25	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 10:47	LMH	TAL BUF
Total/NA	Prep	7470A			218238	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 14:32	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220124	12/19/14 09:54	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 10:46	PGJ	TAL PIT

Client Sample ID: GW-TP8-1214-U

Lab Sample ID: 480-72717-3

Date Collected: 12/08/14 16:40

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 16:33	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 17:27	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 10:50	LMH	TAL BUF
Total/NA	Prep	7470A			218238	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 14:33	LRK	TAL BUF
Total/NA	Prep	9012B			219877	12/18/14 09:21	EKB	TAL BUF

Client Sample ID: GW-TP8-1214-U

Lab Sample ID: 480-72717-3

Date Collected: 12/08/14 16:40

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9012B		20	220150	12/19/14 11:12	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 10:48	PGJ	TAL PIT

Client Sample ID: GW-TP8-1214-F

Lab Sample ID: 480-72717-4

Date Collected: 12/08/14 17:00

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 16:58	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 17:38	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 10:53	LMH	TAL BUF
Total/NA	Prep	7470A			218238	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 14:35	LRK	TAL BUF
Total/NA	Prep	9012B			219877	12/18/14 09:21	EKB	TAL BUF
Total/NA	Analysis	9012B		20	220150	12/19/14 11:17	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 10:49	PGJ	TAL PIT

Client Sample ID: GW-TP1-1214-U

Lab Sample ID: 480-72717-5

Date Collected: 12/09/14 08:05

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 17:23	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 17:41	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 10:55	LMH	TAL BUF
Total/NA	Prep	7470A			218238	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 14:37	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220124	12/19/14 09:57	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 10:51	PGJ	TAL PIT

Client Sample ID: GW-TP1-1214-F

Lab Sample ID: 480-72717-6

Date Collected: 12/09/14 08:15

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF

Client Sample ID: GW-TP1-1214-F

Lab Sample ID: 480-72717-6

Date Collected: 12/09/14 08:15
Matrix: Water
Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	218989	12/13/14 17:48	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 17:44	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 10:58	LMH	TAL BUF
Total/NA	Prep	7470A			218238	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 14:42	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220124	12/19/14 09:59	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 10:52	PGJ	TAL PIT

Client Sample ID: GW-TP2-1214-U

Lab Sample ID: 480-72717-7

Date Collected: 12/09/14 09:15
Matrix: Water
Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 18:12	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 17:47	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 11:01	LMH	TAL BUF
Total/NA	Prep	7470A			218238	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 14:43	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220124	12/19/14 10:01	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 10:54	PGJ	TAL PIT

Client Sample ID: GW-TP2-1214-F

Lab Sample ID: 480-72717-8

Date Collected: 12/09/14 09:25
Matrix: Water
Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 18:37	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 17:49	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 11:04	LMH	TAL BUF
Total/NA	Prep	7470A			218238	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 14:45	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220124	12/19/14 10:02	NCH	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP2-1214-F

Lab Sample ID: 480-72717-8

Date Collected: 12/09/14 09:25
Matrix: Water
Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 10:55	PGJ	TAL PIT

Client Sample ID: GW-TP3-1214-U

Lab Sample ID: 480-72717-9

Date Collected: 12/09/14 10:25
Matrix: Water
Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 19:01	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 17:52	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 11:06	LMH	TAL BUF
Total/NA	Prep	7470A			218238	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 14:47	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220124	12/19/14 10:07	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 10:57	PGJ	TAL PIT

Client Sample ID: GW-TP3-1214-F

Lab Sample ID: 480-72717-10

Date Collected: 12/09/14 10:35
Matrix: Water
Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 19:26	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 17:55	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 11:17	LMH	TAL BUF
Total/NA	Prep	7470A			218238	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 14:48	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220124	12/19/14 10:08	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 10:58	PGJ	TAL PIT

Client Sample ID: GW-TP4-1214-U

Lab Sample ID: 480-72717-11

Date Collected: 12/09/14 11:45
Matrix: Water
Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 19:51	PJQ	TAL BUF

Client Sample ID: GW-TP4-1214-U

Lab Sample ID: 480-72717-11

Date Collected: 12/09/14 11:45

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 17:57	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 11:20	LMH	TAL BUF
Total/NA	Prep	7470A			218239	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 15:03	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220124	12/19/14 10:11	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 11:09	PGJ	TAL PIT

Client Sample ID: GW-TP4-1214-F

Lab Sample ID: 480-72717-12

Date Collected: 12/09/14 11:55

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 20:15	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 18:00	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 11:23	LMH	TAL BUF
Total/NA	Prep	7470A			218239	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 15:05	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220124	12/19/14 10:12	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 11:10	PGJ	TAL PIT

Client Sample ID: GW-TP5-1214-U

Lab Sample ID: 480-72717-13

Date Collected: 12/09/14 13:00

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 20:40	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 18:11	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 11:25	LMH	TAL BUF
Total/NA	Prep	7470A			218239	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 15:07	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220124	12/19/14 10:14	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 11:12	PGJ	TAL PIT

Client Sample ID: GW-TP5-1214-F

Lab Sample ID: 480-72717-14

Date Collected: 12/09/14 13:10

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 21:05	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 18:14	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 11:28	LMH	TAL BUF
Total/NA	Prep	7470A			218239	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 15:09	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220124	12/19/14 10:15	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 11:13	PGJ	TAL PIT

Client Sample ID: DUP-1-1214

Lab Sample ID: 480-72717-15

Date Collected: 12/09/14 00:00

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 21:30	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 18:16	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 11:31	LMH	TAL BUF
Total/NA	Prep	7470A			218239	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 15:11	LRK	TAL BUF
Total/NA	Prep	9012B			219666	12/17/14 13:26	EKB	TAL BUF
Total/NA	Analysis	9012B		5	220150	12/19/14 12:39	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 11:15	PGJ	TAL PIT

Client Sample ID: GW-TP6-1214-U

Lab Sample ID: 480-72717-16

Date Collected: 12/09/14 14:30

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 21:55	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 18:19	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 11:33	LMH	TAL BUF
Total/NA	Prep	7470A			218239	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 15:12	LRK	TAL BUF
Total/NA	Prep	9012B			220374	12/22/14 01:20	LAW	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Client Sample ID: GW-TP6-1214-U

Lab Sample ID: 480-72717-16

Date Collected: 12/09/14 14:30

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9012B		2	220486	12/22/14 19:54	RS	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 11:16	PGJ	TAL PIT

Client Sample ID: GW-TP6-1214-F

Lab Sample ID: 480-72717-17

Date Collected: 12/09/14 14:40

Matrix: Water

Date Received: 12/09/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218382	12/10/14 14:46	CPH	TAL BUF
Total/NA	Analysis	8270D		1	218989	12/13/14 22:20	PJQ	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	218700	12/11/14 18:22	LMH	TAL BUF
Total/NA	Prep	3005A			218268	12/10/14 12:22	LED	TAL BUF
Total/NA	Analysis	6010C		1	219124	12/12/14 11:36	LMH	TAL BUF
Total/NA	Prep	7470A			218239	12/10/14 09:15	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218464	12/10/14 15:14	LRK	TAL BUF
Total/NA	Prep	9012B			220374	12/22/14 01:20	LAW	TAL BUF
Total/NA	Analysis	9012B		2	220486	12/22/14 19:56	RS	TAL BUF
Total/NA	Analysis	OIA-1677		1	128183	12/12/14 11:18	PGJ	TAL PIT

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3510C	Water	Tributyl phosphate

Laboratory: TestAmerica Pittsburgh

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-15

Method Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
OIA-1677	Cyanide, Available (Flow Injection)	OI CORP	TAL PIT

Protocol References:

OI CORP = OI Corporation Instrument Manual.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72717-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-72717-1	GW-TP11-1214-U	Water	12/08/14 15:20	12/09/14 16:10
480-72717-2	GW-TP11-1214-F	Water	12/08/14 15:40	12/09/14 16:10
480-72717-3	GW-TP8-1214-U	Water	12/08/14 16:40	12/09/14 16:10
480-72717-4	GW-TP8-1214-F	Water	12/08/14 17:00	12/09/14 16:10
480-72717-5	GW-TP1-1214-U	Water	12/09/14 08:05	12/09/14 16:10
480-72717-6	GW-TP1-1214-F	Water	12/09/14 08:15	12/09/14 16:10
480-72717-7	GW-TP2-1214-U	Water	12/09/14 09:15	12/09/14 16:10
480-72717-8	GW-TP2-1214-F	Water	12/09/14 09:25	12/09/14 16:10
480-72717-9	GW-TP3-1214-U	Water	12/09/14 10:25	12/09/14 16:10
480-72717-10	GW-TP3-1214-F	Water	12/09/14 10:35	12/09/14 16:10
480-72717-11	GW-TP4-1214-U	Water	12/09/14 11:45	12/09/14 16:10
480-72717-12	GW-TP4-1214-F	Water	12/09/14 11:55	12/09/14 16:10
480-72717-13	GW-TP5-1214-U	Water	12/09/14 13:00	12/09/14 16:10
480-72717-14	GW-TP5-1214-F	Water	12/09/14 13:10	12/09/14 16:10
480-72717-15	DUP-1-1214	Water	12/09/14 00:00	12/09/14 16:10
480-72717-16	GW-TP6-1214-U	Water	12/09/14 14:30	12/09/14 16:10
480-72717-17	GW-TP6-1214-F	Water	12/09/14 14:40	12/09/14 16:10

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

480-72717 Chain of Custody

THE LEADER IN ENV...

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSDEC	Heidi Dudek	12/9/14	277702
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
625 Broadway, 12th Floor	(518) 402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233-7017	Amy Pierpont	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BCP Trackdown, Buffalo, NY			
Contract/Purchase Order/Quote No.			
BCP Parcel 4 Site 915193A Lab Call Out			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): Avail CN	TCL SVOC + 20	Tal Metals + Hg	Total CN
GW-TP11-1214-U	12-8-14	1520		X			X		X		X		X	X	X	X
GW-TP11-1214-F	12-8-14	1540		X			X		X		X		X	X	X	X
GW-TP8-1214-U	12-8-14	1640		X			X		X		X		X	X	X	X
GW-TP8-1214-F	12-8-14	1700		X			X		X		X		X	X	X	X
GW-TP-1-1214-U	12-9-14	905		X			X		X		X		X	X	X	X
GW-TP1-1214-F	12-9-14	915		X			X		X		X		X	X	X	X
GW-TP2-1214-U	12-9-14	915		X			X		X		X		X	X	X	X
GW-TP2-1214-F	12-9-14	925		X			X		X		X		X	X	X	X
GW-TP3-1214-U	12-9-14	1025		X			X		X		X		X	X	X	X
GW-TP3-1214-F	12-9-14	1035		X			X		X		X		X	X	X	X
GW-TP4-1214-U	12-9-14	1145		X			X		X		X		X	X	X	X
GW-TP4-1214 F	12-9-14	1155		X			X		X		X		X	X	X	X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.		12/9/14	1510		12/9/14	15:10
2.		12/9/14	16:10		12/9/14	1610
3.						

Comments

2.1, 2.4 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

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TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC	Heidi Dudek	12/9/14	277701
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 2 of ____
625 Broadway, 12th Floor	(518) 402-9813		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233	Amy Pickens	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BCP Trackdown, Buffalo, NY			
Contract/Purchase Order/Quote No.			
BCP Parcel 4 Site 915193A Lab Called			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Anal. CN	Tot. Metals + Hg	TCL SVOCs	Total CN	Special Instructions/ Conditions of Receipt
GW-TP5-1214-U	12.9.14	1300		X			X		X		X		X	X	X	X	
GW-TP5-1214-F	12.9.14	1310		X			X		X		X		X	X	XX		
DUP-1-1214	12.9.14	—		X			X		X		X		X	X	X	X	
GW-TP6-1214-U	12.9.14	1430		X			X		X		X		X	X	X	X	
GW-TP6-1214-F	12.9.14	1440		X			X		X		X		X	X	X	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	12/9/14	1510	1. Received By	12/9/14	15:10
2. Relinquished By	12/9/14	16:10	2. Received By	12/9/14	1610
3. Relinquished By			3. Received By		

Comments

2.1, 2.4 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-72717-1

Login Number: 72717

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	dec
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-72717-1

Login Number: 72717
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 12/11/14 12:14 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-72809-1
Client Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Authorized for release by:
12/31/2014 10:03:00 AM

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

Review your project results through TotalAccess

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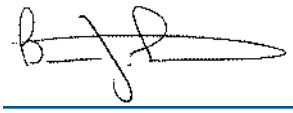
Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Brian Fischer
Manager of Project Management
12/31/2014 10:03:00 AM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
*	RPD of the LCS and LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-72809-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-72809-1

Comments
No additional comments.

Receipt
The samples were received on 12/10/2014 4:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7° C.

GC/MS Semi VOA
Method(s) 8270D: The large number of analytes included in the continuing calibration verification (CCV) for TALS batch 219105 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 219105 was outside the method criteria for the following analytes: 2,2'-oxybis[1-chloropropane, 3,3'-Dichlorobenzidine and 3-Nitroaniline. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes are considered estimated.

Method(s) 8270D: The method blank associated with preparation batch 218460 contained Bis(2-ethylhexyl)Phthalate greater than the reporting limit (RL). The associated samples have results above the RL for the analyte and will need to be re-extracted with a compliant batch method blank. The sample results have been qualified and reported.

Method(s) 8270D: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for batch 218460 recovered outside control limits for the following analytes: 4-Nitroaniline in the LCS and 3-Nitroaniline, 4-Nitroaniline and 4-Chloroaniline in the LCSD. These analytes have been identified as a poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270D: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: (MB 480-218460/1-A). These results have been reported and qualified.

Method(s) 8270D: The following samples were diluted due to dark color and particles of soil in the samples: SED-CB21-1214 (480-72809-5), SED-CB22-1214 (480-72809-6), SED-CB24-1214 (480-72809-8). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The laboratory control sample (LCS) for batch 218466 recovered outside control limits for the following analytes: 3-Nitroaniline, 4-Chloroaniline. These analytes have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method(s) 8270D: The laboratory control sample (LCS) for batch 218466 recovered outside control limits for the following analyte(s): Acetophone and 1,1'-Biphenyl when analyzing this number of compounds 3 failures are permitted under this method.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 219595 was outside the method criteria for the following analyte(s):2,2'oxybis[1-chloropropane]. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: Surrogate recovery for the following sample(s) was outside control limits: SED-CB21-1214 (480-72809-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: Surrogate recovery for the following sample(s) was outside control limits: SED-CB23-1214 (480-72809-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: The large number of analytes included in the continuing calibration verification (CCV) for TALS batch 220247 gives a

Job ID: 480-72809-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 7470A: Analyst missed spike for MSD sample, MS/MSD samples changed to MD/MS samples. (480-72809-4 MD), (480-72809-4 MS)

Method(s) 6010C: The recovery of Post Spike, (480-72809-5 PDS), in batch 480-218574 exhibited a result outside the quality control limits for total iron. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method(s) 3550C: The following samples: SED-CB22-1214 (480-72809-6), SED-CB23-1214 (480-72809-7), SED-CB24-1214 (480-72809-8) were decanted prior to preparation.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 218460.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 220165.

Method(s) 3510C: Re-extraction of the following samples was performed outside of the preparation holding time due to a detection above the RL of Bis(2-ethyl hexyl) phthalate in the MB of the original batch: GW-TP12-1214-F (480-72809-4), GW-TP12-1214-U (480-72809-3), GW-TP7-1214-F (480-72809-2), GW-TP7-1214-U (480-72809-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: GW-TP7-1214-U
Date Collected: 12/09/14 16:05
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		12/11/14 05:44	12/15/14 15:01	1
2,4,6-Trichlorophenol	ND		4.7	0.57	ug/L		12/11/14 05:44	12/15/14 15:01	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		12/11/14 05:44	12/15/14 15:01	1
2,4-Dimethylphenol	ND		4.7	0.47	ug/L		12/11/14 05:44	12/15/14 15:01	1
2,4-Dinitrophenol	ND		9.4	2.1	ug/L		12/11/14 05:44	12/15/14 15:01	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		12/11/14 05:44	12/15/14 15:01	1
2,6-Dinitrotoluene	ND		4.7	0.37	ug/L		12/11/14 05:44	12/15/14 15:01	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		12/11/14 05:44	12/15/14 15:01	1
2-Chlorophenol	ND		4.7	0.50	ug/L		12/11/14 05:44	12/15/14 15:01	1
2-Methylnaphthalene	ND		4.7	0.56	ug/L		12/11/14 05:44	12/15/14 15:01	1
2-Methylphenol	ND		4.7	0.37	ug/L		12/11/14 05:44	12/15/14 15:01	1
2-Nitroaniline	ND		9.4	0.39	ug/L		12/11/14 05:44	12/15/14 15:01	1
2-Nitrophenol	ND		4.7	0.45	ug/L		12/11/14 05:44	12/15/14 15:01	1
3,3'-Dichlorobenzidine	ND		4.7	0.37	ug/L		12/11/14 05:44	12/15/14 15:01	1
3-Nitroaniline	ND	*	9.4	0.45	ug/L		12/11/14 05:44	12/15/14 15:01	1
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L		12/11/14 05:44	12/15/14 15:01	1
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		12/11/14 05:44	12/15/14 15:01	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		12/11/14 05:44	12/15/14 15:01	1
4-Chloroaniline	ND	*	4.7	0.55	ug/L		12/11/14 05:44	12/15/14 15:01	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		12/11/14 05:44	12/15/14 15:01	1
4-Methylphenol	ND		9.4	0.34	ug/L		12/11/14 05:44	12/15/14 15:01	1
4-Nitroaniline	ND	*	9.4	0.23	ug/L		12/11/14 05:44	12/15/14 15:01	1
4-Nitrophenol	ND		9.4	1.4	ug/L		12/11/14 05:44	12/15/14 15:01	1
Acenaphthene	ND		4.7	0.38	ug/L		12/11/14 05:44	12/15/14 15:01	1
Acenaphthylene	ND		4.7	0.36	ug/L		12/11/14 05:44	12/15/14 15:01	1
Acetophenone	**0.57**	**J**	4.7	0.51	ug/L		12/11/14 05:44	12/15/14 15:01	1
Anthracene	ND		4.7	0.26	ug/L		12/11/14 05:44	12/15/14 15:01	1
Atrazine	ND		4.7	0.43	ug/L		12/11/14 05:44	12/15/14 15:01	1
Benzaldehyde	ND		4.7	0.25	ug/L		12/11/14 05:44	12/15/14 15:01	1
Benzo[a]anthracene	ND		4.7	0.34	ug/L		12/11/14 05:44	12/15/14 15:01	1
Benzo[a]pyrene	ND		4.7	0.44	ug/L		12/11/14 05:44	12/15/14 15:01	1
Benzo[b]fluoranthene	ND		4.7	0.32	ug/L		12/11/14 05:44	12/15/14 15:01	1
Benzo[g,h,i]perylene	ND		4.7	0.33	ug/L		12/11/14 05:44	12/15/14 15:01	1
Benzo[k]fluoranthene	ND		4.7	0.68	ug/L		12/11/14 05:44	12/15/14 15:01	1
Biphenyl	ND		4.7	0.61	ug/L		12/11/14 05:44	12/15/14 15:01	1
bis (2-chloroisopropyl) ether	ND		4.7	0.49	ug/L		12/11/14 05:44	12/15/14 15:01	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		12/11/14 05:44	12/15/14 15:01	1
Bis(2-chloroethyl)ether	ND		4.7	0.37	ug/L		12/11/14 05:44	12/15/14 15:01	1
Bis(2-ethylhexyl) phthalate	**5.3**	**B**	4.7	1.7	ug/L		12/11/14 05:44	12/15/14 15:01	1
Butyl benzyl phthalate	ND		4.7	0.39	ug/L		12/11/14 05:44	12/15/14 15:01	1
Caprolactam	ND		4.7	2.1	ug/L		12/11/14 05:44	12/15/14 15:01	1
Carbazole	ND		4.7	0.28	ug/L		12/11/14 05:44	12/15/14 15:01	1
Chrysene	ND		4.7	0.31	ug/L		12/11/14 05:44	12/15/14 15:01	1
Dibenz(a,h)anthracene	ND		4.7	0.39	ug/L		12/11/14 05:44	12/15/14 15:01	1
Dibenzofuran	ND		9.4	0.48	ug/L		12/11/14 05:44	12/15/14 15:01	1
Diethyl phthalate	ND		4.7	0.21	ug/L		12/11/14 05:44	12/15/14 15:01	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		12/11/14 05:44	12/15/14 15:01	1
Di-n-butyl phthalate	ND		4.7	0.29	ug/L		12/11/14 05:44	12/15/14 15:01	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		12/11/14 05:44	12/15/14 15:01	1

Client Sample ID: GW-TP7-1214-U
Date Collected: 12/09/14 16:05
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.7	0.37	ug/L		12/11/14 05:44	12/15/14 15:01	1
Fluorene	ND		4.7	0.34	ug/L		12/11/14 05:44	12/15/14 15:01	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		12/11/14 05:44	12/15/14 15:01	1
Hexachlorobutadiene	ND		4.7	0.64	ug/L		12/11/14 05:44	12/15/14 15:01	1
Hexachlorocyclopentadiene	ND		4.7	0.55	ug/L		12/11/14 05:44	12/15/14 15:01	1
Hexachloroethane	ND		4.7	0.55	ug/L		12/11/14 05:44	12/15/14 15:01	1
Indeno[1,2,3-cd]pyrene	ND		4.7	0.44	ug/L		12/11/14 05:44	12/15/14 15:01	1
Isophorone	ND		4.7	0.40	ug/L		12/11/14 05:44	12/15/14 15:01	1
Naphthalene	**0.84**	**J**	4.7	0.71	ug/L		12/11/14 05:44	12/15/14 15:01	1
Nitrobenzene	ND		4.7	0.27	ug/L		12/11/14 05:44	12/15/14 15:01	1
N-Nitrosodi-n-propylamine	ND		4.7	0.51	ug/L		12/11/14 05:44	12/15/14 15:01	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		12/11/14 05:44	12/15/14 15:01	1
Pentachlorophenol	ND		9.4	2.1	ug/L		12/11/14 05:44	12/15/14 15:01	1
Phenanthrene	ND		4.7	0.41	ug/L		12/11/14 05:44	12/15/14 15:01	1
Phenol	ND		4.7	0.37	ug/L		12/11/14 05:44	12/15/14 15:01	1
Pyrene	ND		4.7	0.32	ug/L		12/11/14 05:44	12/15/14 15:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*60*	*T J B*	*ug/L*		*2.81*		*12/11/14 05:44*	*12/15/14 15:01*	*1*
Cyclotetrasiloxane, octamethyl-	*5.0*	*T J N B*	*ug/L*		*5.55*	*556-67-2*	*12/11/14 05:44*	*12/15/14 15:01*	*1*
1-Hexanol, 2-ethyl-	*7.1*	*T J N B*	*ug/L*		*5.96*	*104-76-7*	*12/11/14 05:44*	*12/15/14 15:01*	*1*
Benzyl alcohol	*0.67*	*J B*	*ug/L*		*6.04*	*100-51-6*	*12/11/14 05:44*	*12/15/14 15:01*	*1*
Cyclopentasiloxane, decamethyl-	*3.1*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/11/14 05:44*	*12/15/14 15:01*	*1*
Benzoic acid, 2,6-dichloro-	*1.9*	*T J N*	*ug/L*		*8.51*	*50-30-6*	*12/11/14 05:44*	*12/15/14 15:01*	*1*
n-Hexadecanoic acid	*7.4*	*T J N*	*ug/L*		*10.09*	*57-10-3*	*12/11/14 05:44*	*12/15/14 15:01*	*1*
Octadecanoic acid	*6.1*	*T J N B*	*ug/L*		*10.73*	*57-11-4*	*12/11/14 05:44*	*12/15/14 15:01*	*1*
Unknown	*4.1*	*T J B*	*ug/L*		*11.14*		*12/11/14 05:44*	*12/15/14 15:01*	*1*
Unknown	*8.4*	*T J B*	*ug/L*		*12.04*		*12/11/14 05:44*	*12/15/14 15:01*	*1*
Unknown	*7.7*	*T J B*	*ug/L*		*13.09*		*12/11/14 05:44*	*12/15/14 15:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*52 - 132*	*12/11/14 05:44*	*12/15/14 15:01*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*12/11/14 05:44*	*12/15/14 15:01*	*1*
2-Fluorophenol (Surr)	*86*		*20 - 120*	*12/11/14 05:44*	*12/15/14 15:01*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 120*	*12/11/14 05:44*	*12/15/14 15:01*	*1*
Phenol-d5 (Surr)	*58*		*16 - 120*	*12/11/14 05:44*	*12/15/14 15:01*	*1*
p-Terphenyl-d14 (Surr)	*79*		*67 - 150*	*12/11/14 05:44*	*12/15/14 15:01*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H	4.9	1.8	ug/L		12/19/14 14:25	12/20/14 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*52 - 132*	*12/19/14 14:25*	*12/20/14 21:43*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*12/19/14 14:25*	*12/20/14 21:43*	*1*
2-Fluorophenol (Surr)	*70*		*20 - 120*	*12/19/14 14:25*	*12/20/14 21:43*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 120*	*12/19/14 14:25*	*12/20/14 21:43*	*1*
Phenol-d5 (Surr)	*44*		*16 - 120*	*12/19/14 14:25*	*12/20/14 21:43*	*1*
p-Terphenyl-d14 (Surr)	*70*		*67 - 150*	*12/19/14 14:25*	*12/20/14 21:43*	*1*

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: GW-TP7-1214-U
Date Collected: 12/09/14 16:05
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-1
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.23**		0.20	0.060	mg/L		12/11/14 10:01	12/12/14 16:22	1
Antimony	ND		0.020	0.0068	mg/L		12/11/14 10:01	12/12/14 16:22	1
Arsenic	ND		0.015	0.0056	mg/L		12/11/14 10:01	12/12/14 16:22	1
Barium	**0.020**		0.0020	0.00070	mg/L		12/11/14 10:01	12/12/14 16:22	1
Beryllium	ND		0.0020	0.00030	mg/L		12/11/14 10:01	12/12/14 16:22	1
Cadmium	ND		0.0020	0.00050	mg/L		12/11/14 10:01	12/12/14 16:22	1
Calcium	**50.6**		0.50	0.10	mg/L		12/11/14 10:01	12/12/14 16:22	1
Chromium	**0.0012**	**J**	0.0040	0.0010	mg/L		12/11/14 10:01	12/12/14 16:22	1
Cobalt	ND		0.0040	0.00063	mg/L		12/11/14 10:01	12/12/14 16:22	1
Copper	**0.0028**	**J**	0.010	0.0016	mg/L		12/11/14 10:01	12/12/14 16:22	1
Iron	**2.6**		0.050	0.019	mg/L		12/11/14 10:01	12/12/14 16:22	1
Lead	**0.0055**	**J**	0.010	0.0030	mg/L		12/11/14 10:01	12/12/14 16:22	1
Magnesium	**56.6**		0.20	0.043	mg/L		12/11/14 10:01	12/12/14 16:22	1
Manganese	**0.22**	**B**	0.0030	0.00040	mg/L		12/11/14 10:01	12/12/14 16:22	1
Nickel	ND		0.010	0.0013	mg/L		12/11/14 10:01	12/12/14 16:22	1
Potassium	**110**		0.50	0.10	mg/L		12/11/14 10:01	12/12/14 16:22	1
Selenium	ND		0.025	0.0087	mg/L		12/11/14 10:01	12/12/14 16:22	1
Silver	ND		0.0060	0.0017	mg/L		12/11/14 10:01	12/12/14 16:22	1
Sodium	**33.4**		1.0	0.32	mg/L		12/11/14 10:01	12/12/14 16:22	1
Thallium	ND		0.020	0.010	mg/L		12/11/14 10:01	12/12/14 16:22	1
Vanadium	ND		0.0050	0.0015	mg/L		12/11/14 10:01	12/12/14 16:22	1
Zinc	**0.024**	**B**	0.010	0.0015	mg/L		12/11/14 10:01	12/12/14 16:22	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/11/14 09:10	12/11/14 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.35**		0.010	0.0050	mg/L		12/18/14 13:43	12/19/14 12:24	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			12/19/14 09:40	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: GW-TP7-1214-F
Date Collected: 12/09/14 16:20
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		12/11/14 05:44	12/15/14 15:26	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		12/11/14 05:44	12/15/14 15:26	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		12/11/14 05:44	12/15/14 15:26	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		12/11/14 05:44	12/15/14 15:26	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		12/11/14 05:44	12/15/14 15:26	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		12/11/14 05:44	12/15/14 15:26	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		12/11/14 05:44	12/15/14 15:26	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		12/11/14 05:44	12/15/14 15:26	1
2-Chlorophenol	ND		5.0	0.53	ug/L		12/11/14 05:44	12/15/14 15:26	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		12/11/14 05:44	12/15/14 15:26	1
2-Methylphenol	ND		5.0	0.40	ug/L		12/11/14 05:44	12/15/14 15:26	1
2-Nitroaniline	ND		10	0.42	ug/L		12/11/14 05:44	12/15/14 15:26	1
2-Nitrophenol	ND		5.0	0.48	ug/L		12/11/14 05:44	12/15/14 15:26	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		12/11/14 05:44	12/15/14 15:26	1
3-Nitroaniline	ND	*	10	0.48	ug/L		12/11/14 05:44	12/15/14 15:26	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		12/11/14 05:44	12/15/14 15:26	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		12/11/14 05:44	12/15/14 15:26	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		12/11/14 05:44	12/15/14 15:26	1
4-Chloroaniline	ND	*	5.0	0.59	ug/L		12/11/14 05:44	12/15/14 15:26	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		12/11/14 05:44	12/15/14 15:26	1
4-Methylphenol	ND		10	0.36	ug/L		12/11/14 05:44	12/15/14 15:26	1
4-Nitroaniline	ND	*	10	0.25	ug/L		12/11/14 05:44	12/15/14 15:26	1
4-Nitrophenol	ND		10	1.5	ug/L		12/11/14 05:44	12/15/14 15:26	1
Acenaphthene	ND		5.0	0.41	ug/L		12/11/14 05:44	12/15/14 15:26	1
Acenaphthylene	ND		5.0	0.38	ug/L		12/11/14 05:44	12/15/14 15:26	1
Acetophenone	ND		5.0	0.54	ug/L		12/11/14 05:44	12/15/14 15:26	1
Anthracene	ND		5.0	0.28	ug/L		12/11/14 05:44	12/15/14 15:26	1
Atrazine	ND		5.0	0.46	ug/L		12/11/14 05:44	12/15/14 15:26	1
Benzaldehyde	ND		5.0	0.27	ug/L		12/11/14 05:44	12/15/14 15:26	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		12/11/14 05:44	12/15/14 15:26	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		12/11/14 05:44	12/15/14 15:26	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		12/11/14 05:44	12/15/14 15:26	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		12/11/14 05:44	12/15/14 15:26	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		12/11/14 05:44	12/15/14 15:26	1
Biphenyl	ND		5.0	0.65	ug/L		12/11/14 05:44	12/15/14 15:26	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		12/11/14 05:44	12/15/14 15:26	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		12/11/14 05:44	12/15/14 15:26	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		12/11/14 05:44	12/15/14 15:26	1
Bis(2-ethylhexyl) phthalate	**4.9**	**J B**	5.0	1.8	ug/L		12/11/14 05:44	12/15/14 15:26	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		12/11/14 05:44	12/15/14 15:26	1
Caprolactam	ND		5.0	2.2	ug/L		12/11/14 05:44	12/15/14 15:26	1
Carbazole	ND		5.0	0.30	ug/L		12/11/14 05:44	12/15/14 15:26	1
Chrysene	ND		5.0	0.33	ug/L		12/11/14 05:44	12/15/14 15:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		12/11/14 05:44	12/15/14 15:26	1
Dibenzofuran	ND		10	0.51	ug/L		12/11/14 05:44	12/15/14 15:26	1
Diethyl phthalate	ND		5.0	0.22	ug/L		12/11/14 05:44	12/15/14 15:26	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		12/11/14 05:44	12/15/14 15:26	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		12/11/14 05:44	12/15/14 15:26	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		12/11/14 05:44	12/15/14 15:26	1

Client Sample ID: GW-TP7-1214-F

Date Collected: 12/09/14 16:20
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		12/11/14 05:44	12/15/14 15:26	1
Fluorene	ND		5.0	0.36	ug/L		12/11/14 05:44	12/15/14 15:26	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		12/11/14 05:44	12/15/14 15:26	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		12/11/14 05:44	12/15/14 15:26	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		12/11/14 05:44	12/15/14 15:26	1
Hexachloroethane	ND		5.0	0.59	ug/L		12/11/14 05:44	12/15/14 15:26	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		12/11/14 05:44	12/15/14 15:26	1
Isophorone	ND		5.0	0.43	ug/L		12/11/14 05:44	12/15/14 15:26	1
Naphthalene	**1.4**	**J**	5.0	0.76	ug/L		12/11/14 05:44	12/15/14 15:26	1
Nitrobenzene	ND		5.0	0.29	ug/L		12/11/14 05:44	12/15/14 15:26	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		12/11/14 05:44	12/15/14 15:26	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		12/11/14 05:44	12/15/14 15:26	1
Pentachlorophenol	ND		10	2.2	ug/L		12/11/14 05:44	12/15/14 15:26	1
Phenanthrene	ND		5.0	0.44	ug/L		12/11/14 05:44	12/15/14 15:26	1
Phenol	ND		5.0	0.39	ug/L		12/11/14 05:44	12/15/14 15:26	1
Pyrene	ND		5.0	0.34	ug/L		12/11/14 05:44	12/15/14 15:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*69*	*T J B*	*ug/L*		*2.81*		*12/11/14 05:44*	*12/15/14 15:26*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*4.41*		*12/11/14 05:44*	*12/15/14 15:26*	*1*
Cyclotetrasiloxane, octamethyl-	*5.4*	*T J N B*	*ug/L*		*5.55*	*556-67-2*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
Benzene, 1,2,3-trimethyl-	*1.9*	*T J N*	*ug/L*		*5.73*	*526-73-8*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
1-Hexanol, 2-ethyl-	*6.6*	*T J N B*	*ug/L*		*5.96*	*104-76-7*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
Benzyl alcohol	*0.78*	*J B*	*ug/L*		*6.04*	*100-51-6*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
Cyclopentasiloxane, decamethyl-	*3.4*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*3.0*	*T J N*	*ug/L*		*8.41*	*96-76-4*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
n-Hexadecanoic acid	*8.4*	*T J N*	*ug/L*		*10.09*	*57-10-3*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
Octadecanoic acid	*5.5*	*T J N B*	*ug/L*		*10.73*	*57-11-4*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
Unknown	*5.3*	*T J B*	*ug/L*		*11.14*		*12/11/14 05:44*	*12/15/14 15:26*	*1*
Unknown	*30*	*T J B*	*ug/L*		*11.51*		*12/11/14 05:44*	*12/15/14 15:26*	*1*
Unknown	*11*	*T J B*	*ug/L*		*12.03*		*12/11/14 05:44*	*12/15/14 15:26*	*1*
Erucylamide	*1.8*	*T J N B*	*ug/L*		*12.89*	*112-84-5*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
Unknown	*19*	*T J B*	*ug/L*		*13.09*		*12/11/14 05:44*	*12/15/14 15:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*52 - 132*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
2-Fluorophenol (Surr)	*92*		*20 - 120*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 120*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
Phenol-d5 (Surr)	*63*		*16 - 120*	*12/11/14 05:44*	*12/15/14 15:26*	*1*
p-Terphenyl-d14 (Surr)	*80*		*67 - 150*	*12/11/14 05:44*	*12/15/14 15:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		12/11/14 10:01	12/12/14 16:25	1
Antimony	ND		0.020	0.0068	mg/L		12/11/14 10:01	12/12/14 16:25	1
Arsenic	ND		0.015	0.0056	mg/L		12/11/14 10:01	12/12/14 16:25	1
Barium	**0.021**		0.0020	0.00070	mg/L		12/11/14 10:01	12/12/14 16:25	1
Beryllium	ND		0.0020	0.00030	mg/L		12/11/14 10:01	12/12/14 16:25	1
Cadmium	ND		0.0020	0.00050	mg/L		12/11/14 10:01	12/12/14 16:25	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: GW-TP7-1214-F
Date Collected: 12/09/14 16:20
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**47.6**		0.50	0.10	mg/L		12/11/14 10:01	12/12/14 16:25	1
Chromium	ND		0.0040	0.0010	mg/L		12/11/14 10:01	12/12/14 16:25	1
Cobalt	ND		0.0040	0.00063	mg/L		12/11/14 10:01	12/12/14 16:25	1
Copper	**0.0016**	**J**	0.010	0.0016	mg/L		12/11/14 10:01	12/12/14 16:25	1
Iron	**0.19**		0.050	0.019	mg/L		12/11/14 10:01	12/12/14 16:25	1
Lead	ND		0.010	0.0030	mg/L		12/11/14 10:01	12/12/14 16:25	1
Magnesium	**57.1**		0.20	0.043	mg/L		12/11/14 10:01	12/12/14 16:25	1
Manganese	**0.15**	**B**	0.0030	0.00040	mg/L		12/11/14 10:01	12/12/14 16:25	1
Nickel	**0.0014**	**J**	0.010	0.0013	mg/L		12/11/14 10:01	12/12/14 16:25	1
Potassium	**104**		0.50	0.10	mg/L		12/11/14 10:01	12/12/14 16:25	1
Selenium	ND		0.025	0.0087	mg/L		12/11/14 10:01	12/12/14 16:25	1
Silver	ND		0.0060	0.0017	mg/L		12/11/14 10:01	12/12/14 16:25	1
Sodium	**31.7**		1.0	0.32	mg/L		12/11/14 10:01	12/12/14 16:25	1
Thallium	ND		0.020	0.010	mg/L		12/11/14 10:01	12/12/14 16:25	1
Vanadium	ND		0.0050	0.0015	mg/L		12/11/14 10:01	12/12/14 16:25	1
Zinc	**0.0062**	**J B**	0.010	0.0015	mg/L		12/11/14 10:01	12/12/14 16:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/11/14 09:10	12/11/14 15:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.33**		0.010	0.0050	mg/L		12/18/14 13:43	12/19/14 12:26	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			12/19/14 09:42	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: GW-TP12-1214-U
Date Collected: 12/10/14 08:00
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		12/11/14 05:44	12/15/14 15:52	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		12/11/14 05:44	12/15/14 15:52	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		12/11/14 05:44	12/15/14 15:52	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		12/11/14 05:44	12/15/14 15:52	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		12/11/14 05:44	12/15/14 15:52	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		12/11/14 05:44	12/15/14 15:52	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		12/11/14 05:44	12/15/14 15:52	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		12/11/14 05:44	12/15/14 15:52	1
2-Chlorophenol	ND		4.9	0.52	ug/L		12/11/14 05:44	12/15/14 15:52	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		12/11/14 05:44	12/15/14 15:52	1
2-Methylphenol	ND		4.9	0.39	ug/L		12/11/14 05:44	12/15/14 15:52	1
2-Nitroaniline	ND		9.9	0.41	ug/L		12/11/14 05:44	12/15/14 15:52	1
2-Nitrophenol	ND		4.9	0.47	ug/L		12/11/14 05:44	12/15/14 15:52	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		12/11/14 05:44	12/15/14 15:52	1
3-Nitroaniline	ND	*	9.9	0.47	ug/L		12/11/14 05:44	12/15/14 15:52	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		12/11/14 05:44	12/15/14 15:52	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		12/11/14 05:44	12/15/14 15:52	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		12/11/14 05:44	12/15/14 15:52	1
4-Chloroaniline	ND	*	4.9	0.58	ug/L		12/11/14 05:44	12/15/14 15:52	1
4-Chlorophenyl phenyl ether	ND		4.9	0.35	ug/L		12/11/14 05:44	12/15/14 15:52	1
4-Methylphenol	**0.92**	**J**	9.9	0.36	ug/L		12/11/14 05:44	12/15/14 15:52	1
4-Nitroaniline	ND	*	9.9	0.25	ug/L		12/11/14 05:44	12/15/14 15:52	1
4-Nitrophenol	ND		9.9	1.5	ug/L		12/11/14 05:44	12/15/14 15:52	1
Acenaphthene	ND		4.9	0.40	ug/L		12/11/14 05:44	12/15/14 15:52	1
Acenaphthylene	ND		4.9	0.37	ug/L		12/11/14 05:44	12/15/14 15:52	1
Acetophenone	**0.64**	**J**	4.9	0.53	ug/L		12/11/14 05:44	12/15/14 15:52	1
Anthracene	ND		4.9	0.28	ug/L		12/11/14 05:44	12/15/14 15:52	1
Atrazine	ND		4.9	0.45	ug/L		12/11/14 05:44	12/15/14 15:52	1
Benzaldehyde	ND		4.9	0.26	ug/L		12/11/14 05:44	12/15/14 15:52	1
Benzo[a]anthracene	ND		4.9	0.36	ug/L		12/11/14 05:44	12/15/14 15:52	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		12/11/14 05:44	12/15/14 15:52	1
Benzo[b]fluoranthene	ND		4.9	0.34	ug/L		12/11/14 05:44	12/15/14 15:52	1
Benzo[g,h,i]perylene	ND		4.9	0.35	ug/L		12/11/14 05:44	12/15/14 15:52	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		12/11/14 05:44	12/15/14 15:52	1
Biphenyl	ND		4.9	0.64	ug/L		12/11/14 05:44	12/15/14 15:52	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		12/11/14 05:44	12/15/14 15:52	1
Bis(2-chloroethoxy)methane	ND		4.9	0.35	ug/L		12/11/14 05:44	12/15/14 15:52	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		12/11/14 05:44	12/15/14 15:52	1
Bis(2-ethylhexyl) phthalate	**6.1**	**B**	4.9	1.8	ug/L		12/11/14 05:44	12/15/14 15:52	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		12/11/14 05:44	12/15/14 15:52	1
Caprolactam	ND		4.9	2.2	ug/L		12/11/14 05:44	12/15/14 15:52	1
Carbazole	ND		4.9	0.30	ug/L		12/11/14 05:44	12/15/14 15:52	1
Chrysene	ND		4.9	0.33	ug/L		12/11/14 05:44	12/15/14 15:52	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		12/11/14 05:44	12/15/14 15:52	1
Dibenzofuran	ND		9.9	0.50	ug/L		12/11/14 05:44	12/15/14 15:52	1
Diethyl phthalate	ND		4.9	0.22	ug/L		12/11/14 05:44	12/15/14 15:52	1
Dimethyl phthalate	ND		4.9	0.36	ug/L		12/11/14 05:44	12/15/14 15:52	1
Di-n-butyl phthalate	ND		4.9	0.31	ug/L		12/11/14 05:44	12/15/14 15:52	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		12/11/14 05:44	12/15/14 15:52	1

Client Sample ID: GW-TP12-1214-U
Date Collected: 12/10/14 08:00
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		12/11/14 05:44	12/15/14 15:52	1
Fluorene	ND		4.9	0.36	ug/L		12/11/14 05:44	12/15/14 15:52	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		12/11/14 05:44	12/15/14 15:52	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		12/11/14 05:44	12/15/14 15:52	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		12/11/14 05:44	12/15/14 15:52	1
Hexachloroethane	ND		4.9	0.58	ug/L		12/11/14 05:44	12/15/14 15:52	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		12/11/14 05:44	12/15/14 15:52	1
Isophorone	ND		4.9	0.42	ug/L		12/11/14 05:44	12/15/14 15:52	1
Naphthalene	ND		4.9	0.75	ug/L		12/11/14 05:44	12/15/14 15:52	1
Nitrobenzene	ND		4.9	0.29	ug/L		12/11/14 05:44	12/15/14 15:52	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		12/11/14 05:44	12/15/14 15:52	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		12/11/14 05:44	12/15/14 15:52	1
Pentachlorophenol	ND		9.9	2.2	ug/L		12/11/14 05:44	12/15/14 15:52	1
Phenanthrene	ND		4.9	0.43	ug/L		12/11/14 05:44	12/15/14 15:52	1
Phenol	ND		4.9	0.38	ug/L		12/11/14 05:44	12/15/14 15:52	1
Pyrene	ND		4.9	0.34	ug/L		12/11/14 05:44	12/15/14 15:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*56*	*T J B*	*ug/L*		*2.81*		*12/11/14 05:44*	*12/15/14 15:52*	*1*
Cyclotetrasiloxane, octamethyl-	*5.6*	*T J N B*	*ug/L*		*5.56*	*556-67-2*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
1-Hexanol, 2-ethyl-	*7.2*	*T J N B*	*ug/L*		*5.96*	*104-76-7*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
Benzyl alcohol	*0.73*	*J B*	*ug/L*		*6.05*	*100-51-6*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
Cyclopentasiloxane, decamethyl-	*3.7*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
Camphor	*1.6*	*T J N*	*ug/L*		*6.73*	*76-22-2*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
Benzoic acid, 2,6-dichloro-	*2.4*	*T J N*	*ug/L*		*8.53*	*50-30-6*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
8-Dodecenol	*2.2*	*T J N*	*ug/L*		*8.67*	*42513-42-8*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*9.20*		*12/11/14 05:44*	*12/15/14 15:52*	*1*
n-Hexadecanoic acid	*7.7*	*T J N*	*ug/L*		*10.09*	*57-10-3*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
Octadecanoic acid	*8.7*	*T J N B*	*ug/L*		*10.74*	*57-11-4*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
Unknown	*5.6*	*T J B*	*ug/L*		*11.14*		*12/11/14 05:44*	*12/15/14 15:52*	*1*
Unknown	*12*	*T J B*	*ug/L*		*12.04*		*12/11/14 05:44*	*12/15/14 15:52*	*1*
Erucylamide	*2.3*	*T J N B*	*ug/L*		*12.90*	*112-84-5*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
Unknown	*20*	*T J B*	*ug/L*		*13.10*		*12/11/14 05:44*	*12/15/14 15:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*52 - 132*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
2-Fluorophenol (Surr)	*84*		*20 - 120*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
Phenol-d5 (Surr)	*54*		*16 - 120*	*12/11/14 05:44*	*12/15/14 15:52*	*1*
p-Terphenyl-d14 (Surr)	*83*		*67 - 150*	*12/11/14 05:44*	*12/15/14 15:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H	5.2	1.9	ug/L		12/19/14 14:25	12/20/14 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*52 - 132*	*12/19/14 14:25*	*12/20/14 22:35*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*12/19/14 14:25*	*12/20/14 22:35*	*1*
2-Fluorophenol (Surr)	*81*		*20 - 120*	*12/19/14 14:25*	*12/20/14 22:35*	*1*

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: GW-TP12-1214-U
Date Collected: 12/10/14 08:00
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*	*12/19/14 14:25*	*12/20/14 22:35*	*1*
Phenol-d5 (Surr)	*53*		*16 - 120*	*12/19/14 14:25*	*12/20/14 22:35*	*1*
p-Terphenyl-d14 (Surr)	*83*		*67 - 150*	*12/19/14 14:25*	*12/20/14 22:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.86**		0.20	0.060	mg/L		12/11/14 10:01	12/12/14 16:28	1
Antimony	ND		0.020	0.0068	mg/L		12/11/14 10:01	12/12/14 16:28	1
Arsenic	**0.014**	**J**	0.015	0.0056	mg/L		12/11/14 10:01	12/12/14 16:28	1
Barium	**0.014**		0.0020	0.00070	mg/L		12/11/14 10:01	12/12/14 16:28	1
Beryllium	ND		0.0020	0.00030	mg/L		12/11/14 10:01	12/12/14 16:28	1
Cadmium	ND		0.0020	0.00050	mg/L		12/11/14 10:01	12/12/14 16:28	1
Calcium	**44.3**		0.50	0.10	mg/L		12/11/14 10:01	12/12/14 16:28	1
Chromium	ND		0.0040	0.0010	mg/L		12/11/14 10:01	12/12/14 16:28	1
Cobalt	**0.00085**	**J**	0.0040	0.00063	mg/L		12/11/14 10:01	12/12/14 16:28	1
Copper	**0.0021**	**J**	0.010	0.0016	mg/L		12/11/14 10:01	12/12/14 16:28	1
Iron	**3.0**		0.050	0.019	mg/L		12/11/14 10:01	12/12/14 16:28	1
Lead	**0.0096**	**J**	0.010	0.0030	mg/L		12/11/14 10:01	12/12/14 16:28	1
Magnesium	**0.63**		0.20	0.043	mg/L		12/11/14 10:01	12/12/14 16:28	1
Manganese	**0.097**	**B**	0.0030	0.00040	mg/L		12/11/14 10:01	12/12/14 16:28	1
Nickel	**0.0014**	**J**	0.010	0.0013	mg/L		12/11/14 10:01	12/12/14 16:28	1
Potassium	**144**		0.50	0.10	mg/L		12/11/14 10:01	12/12/14 16:28	1
Selenium	ND		0.025	0.0087	mg/L		12/11/14 10:01	12/12/14 16:28	1
Silver	ND		0.0060	0.0017	mg/L		12/11/14 10:01	12/12/14 16:28	1
Sodium	**69.0**		1.0	0.32	mg/L		12/11/14 10:01	12/12/14 16:28	1
Thallium	ND		0.020	0.010	mg/L		12/11/14 10:01	12/12/14 16:28	1
Vanadium	ND		0.0050	0.0015	mg/L		12/11/14 10:01	12/12/14 16:28	1
Zinc	**0.026**	**B**	0.010	0.0015	mg/L		12/11/14 10:01	12/12/14 16:28	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/11/14 09:10	12/11/14 15:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.12**		0.010	0.0050	mg/L		12/18/14 13:43	12/19/14 12:27	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			12/19/14 09:43	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: GW-TP12-1214-F
Date Collected: 12/10/14 08:15
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		12/11/14 05:44	12/15/14 16:17	1
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L		12/11/14 05:44	12/15/14 16:17	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		12/11/14 05:44	12/15/14 16:17	1
2,4-Dimethylphenol	ND		4.8	0.48	ug/L		12/11/14 05:44	12/15/14 16:17	1
2,4-Dinitrophenol	ND		9.6	2.1	ug/L		12/11/14 05:44	12/15/14 16:17	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		12/11/14 05:44	12/15/14 16:17	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		12/11/14 05:44	12/15/14 16:17	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		12/11/14 05:44	12/15/14 16:17	1
2-Chlorophenol	ND		4.8	0.51	ug/L		12/11/14 05:44	12/15/14 16:17	1
2-Methylnaphthalene	ND		4.8	0.57	ug/L		12/11/14 05:44	12/15/14 16:17	1
2-Methylphenol	ND		4.8	0.38	ug/L		12/11/14 05:44	12/15/14 16:17	1
2-Nitroaniline	ND		9.6	0.40	ug/L		12/11/14 05:44	12/15/14 16:17	1
2-Nitrophenol	ND		4.8	0.46	ug/L		12/11/14 05:44	12/15/14 16:17	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		12/11/14 05:44	12/15/14 16:17	1
3-Nitroaniline	ND	*	9.6	0.46	ug/L		12/11/14 05:44	12/15/14 16:17	1
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L		12/11/14 05:44	12/15/14 16:17	1
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		12/11/14 05:44	12/15/14 16:17	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		12/11/14 05:44	12/15/14 16:17	1
4-Chloroaniline	ND	*	4.8	0.56	ug/L		12/11/14 05:44	12/15/14 16:17	1
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L		12/11/14 05:44	12/15/14 16:17	1
4-Methylphenol	**0.87**	**J**	9.6	0.34	ug/L		12/11/14 05:44	12/15/14 16:17	1
4-Nitroaniline	ND	*	9.6	0.24	ug/L		12/11/14 05:44	12/15/14 16:17	1
4-Nitrophenol	ND		9.6	1.5	ug/L		12/11/14 05:44	12/15/14 16:17	1
Acenaphthene	ND		4.8	0.39	ug/L		12/11/14 05:44	12/15/14 16:17	1
Acenaphthylene	ND		4.8	0.36	ug/L		12/11/14 05:44	12/15/14 16:17	1
Acetophenone	ND		4.8	0.52	ug/L		12/11/14 05:44	12/15/14 16:17	1
Anthracene	ND		4.8	0.27	ug/L		12/11/14 05:44	12/15/14 16:17	1
Atrazine	ND		4.8	0.44	ug/L		12/11/14 05:44	12/15/14 16:17	1
Benzaldehyde	ND		4.8	0.26	ug/L		12/11/14 05:44	12/15/14 16:17	1
Benzo[a]anthracene	ND		4.8	0.34	ug/L		12/11/14 05:44	12/15/14 16:17	1
Benzo[a]pyrene	ND		4.8	0.45	ug/L		12/11/14 05:44	12/15/14 16:17	1
Benzo[b]fluoranthene	ND		4.8	0.32	ug/L		12/11/14 05:44	12/15/14 16:17	1
Benzo[g,h,i]perylene	ND		4.8	0.33	ug/L		12/11/14 05:44	12/15/14 16:17	1
Benzo[k]fluoranthene	ND		4.8	0.70	ug/L		12/11/14 05:44	12/15/14 16:17	1
Biphenyl	ND		4.8	0.62	ug/L		12/11/14 05:44	12/15/14 16:17	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		12/11/14 05:44	12/15/14 16:17	1
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L		12/11/14 05:44	12/15/14 16:17	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		12/11/14 05:44	12/15/14 16:17	1
Bis(2-ethylhexyl) phthalate	**6.1**	**B**	4.8	1.7	ug/L		12/11/14 05:44	12/15/14 16:17	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		12/11/14 05:44	12/15/14 16:17	1
Caprolactam	ND		4.8	2.1	ug/L		12/11/14 05:44	12/15/14 16:17	1
Carbazole	ND		4.8	0.29	ug/L		12/11/14 05:44	12/15/14 16:17	1
Chrysene	ND		4.8	0.32	ug/L		12/11/14 05:44	12/15/14 16:17	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		12/11/14 05:44	12/15/14 16:17	1
Dibenzofuran	ND		9.6	0.49	ug/L		12/11/14 05:44	12/15/14 16:17	1
Diethyl phthalate	ND		4.8	0.21	ug/L		12/11/14 05:44	12/15/14 16:17	1
Dimethyl phthalate	ND		4.8	0.34	ug/L		12/11/14 05:44	12/15/14 16:17	1
Di-n-butyl phthalate	**0.33**	**J**	4.8	0.30	ug/L		12/11/14 05:44	12/15/14 16:17	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		12/11/14 05:44	12/15/14 16:17	1

Client Sample ID: GW-TP12-1214-F
Date Collected: 12/10/14 08:15
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.8	0.38	ug/L		12/11/14 05:44	12/15/14 16:17	1
Fluorene	ND		4.8	0.34	ug/L		12/11/14 05:44	12/15/14 16:17	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		12/11/14 05:44	12/15/14 16:17	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		12/11/14 05:44	12/15/14 16:17	1
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L		12/11/14 05:44	12/15/14 16:17	1
Hexachloroethane	ND		4.8	0.56	ug/L		12/11/14 05:44	12/15/14 16:17	1
Indeno[1,2,3-cd]pyrene	ND		4.8	0.45	ug/L		12/11/14 05:44	12/15/14 16:17	1
Isophorone	ND		4.8	0.41	ug/L		12/11/14 05:44	12/15/14 16:17	1
Naphthalene	ND		4.8	0.73	ug/L		12/11/14 05:44	12/15/14 16:17	1
Nitrobenzene	ND		4.8	0.28	ug/L		12/11/14 05:44	12/15/14 16:17	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		12/11/14 05:44	12/15/14 16:17	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		12/11/14 05:44	12/15/14 16:17	1
Pentachlorophenol	ND		9.6	2.1	ug/L		12/11/14 05:44	12/15/14 16:17	1
Phenanthrene	ND		4.8	0.42	ug/L		12/11/14 05:44	12/15/14 16:17	1
Phenol	ND		4.8	0.37	ug/L		12/11/14 05:44	12/15/14 16:17	1
Pyrene	ND		4.8	0.32	ug/L		12/11/14 05:44	12/15/14 16:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*54*	*T J B*	*ug/L*		*2.82*		*12/11/14 05:44*	*12/15/14 16:17*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*4.42*		*12/11/14 05:44*	*12/15/14 16:17*	*1*
Cyclotetrasiloxane, octamethyl-	*7.0*	*T J N B*	*ug/L*		*5.56*	*556-67-2*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
1-Hexanol, 2-ethyl-	*8.6*	*T J N B*	*ug/L*		*5.96*	*104-76-7*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
Benzyl alcohol	*0.75*	*J B*	*ug/L*		*6.04*	*100-51-6*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
Cyclopentasiloxane, decamethyl-	*4.4*	*T J N B*	*ug/L*		*6.51*	*541-02-6*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
Nonanoic acid	*2.6*	*T J N*	*ug/L*		*7.31*	*112-05-0*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*7.38*		*12/11/14 05:44*	*12/15/14 16:17*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*3.0*	*T J N*	*ug/L*		*8.41*	*96-76-4*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*9.20*		*12/11/14 05:44*	*12/15/14 16:17*	*1*
Methyl parathion	*0.66*	*J*	*ug/L*		*9.88*	*298-00-0*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
n-Hexadecanoic acid	*11*	*T J N*	*ug/L*		*10.10*	*57-10-3*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
Octadecanoic acid	*7.0*	*T J N B*	*ug/L*		*10.74*	*57-11-4*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
Unknown	*4.6*	*T J B*	*ug/L*		*11.14*		*12/11/14 05:44*	*12/15/14 16:17*	*1*
Unknown	*9.8*	*T J B*	*ug/L*		*12.04*		*12/11/14 05:44*	*12/15/14 16:17*	*1*
Unknown	*15*	*T J B*	*ug/L*		*13.10*		*12/11/14 05:44*	*12/15/14 16:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*52 - 132*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
2-Fluorophenol (Surr)	*80*		*20 - 120*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 120*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
Phenol-d5 (Surr)	*53*		*16 - 120*	*12/11/14 05:44*	*12/15/14 16:17*	*1*
p-Terphenyl-d14 (Surr)	*87*		*67 - 150*	*12/11/14 05:44*	*12/15/14 16:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H	5.2	1.9	ug/L		12/19/14 14:25	12/20/14 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*108*		*52 - 132*	*12/19/14 14:25*	*12/20/14 23:01*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*12/19/14 14:25*	*12/20/14 23:01*	*1*

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: GW-TP12-1214-F
Date Collected: 12/10/14 08:15
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*80*		*20 - 120*	*12/19/14 14:25*	*12/20/14 23:01*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*	*12/19/14 14:25*	*12/20/14 23:01*	*1*
Phenol-d5 (Surr)	*53*		*16 - 120*	*12/19/14 14:25*	*12/20/14 23:01*	*1*
p-Terphenyl-d14 (Surr)	*81*		*67 - 150*	*12/19/14 14:25*	*12/20/14 23:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.45**		0.20	0.060	mg/L		12/11/14 10:01	12/12/14 16:31	1
Antimony	ND		0.020	0.0068	mg/L		12/11/14 10:01	12/12/14 16:31	1
Arsenic	**0.012**	**J**	0.015	0.0056	mg/L		12/11/14 10:01	12/12/14 16:31	1
Barium	**0.011**		0.0020	0.00070	mg/L		12/11/14 10:01	12/12/14 16:31	1
Beryllium	ND		0.0020	0.00030	mg/L		12/11/14 10:01	12/12/14 16:31	1
Cadmium	ND		0.0020	0.00050	mg/L		12/11/14 10:01	12/12/14 16:31	1
Calcium	**42.6**		0.50	0.10	mg/L		12/11/14 10:01	12/12/14 16:31	1
Chromium	ND		0.0040	0.0010	mg/L		12/11/14 10:01	12/12/14 16:31	1
Cobalt	**0.00066**	**J**	0.0040	0.00063	mg/L		12/11/14 10:01	12/12/14 16:31	1
Copper	ND		0.010	0.0016	mg/L		12/11/14 10:01	12/12/14 16:31	1
Iron	**0.10**		0.050	0.019	mg/L		12/11/14 10:01	12/12/14 16:31	1
Lead	ND		0.010	0.0030	mg/L		12/11/14 10:01	12/12/14 16:31	1
Magnesium	**0.33**		0.20	0.043	mg/L		12/11/14 10:01	12/12/14 16:31	1
Manganese	**0.00067**	**J B**	0.0030	0.00040	mg/L		12/11/14 10:01	12/12/14 16:31	1
Nickel	**0.0014**	**J**	0.010	0.0013	mg/L		12/11/14 10:01	12/12/14 16:31	1
Potassium	**145**		0.50	0.10	mg/L		12/11/14 10:01	12/12/14 16:31	1
Selenium	ND		0.025	0.0087	mg/L		12/11/14 10:01	12/12/14 16:31	1
Silver	ND		0.0060	0.0017	mg/L		12/11/14 10:01	12/12/14 16:31	1
Sodium	**69.1**		1.0	0.32	mg/L		12/11/14 10:01	12/12/14 16:31	1
Thallium	ND		0.020	0.010	mg/L		12/11/14 10:01	12/12/14 16:31	1
Vanadium	ND		0.0050	0.0015	mg/L		12/11/14 10:01	12/12/14 16:31	1
Zinc	**0.0080**	**J B**	0.010	0.0015	mg/L		12/11/14 10:01	12/12/14 16:31	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/11/14 09:10	12/11/14 15:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.15**		0.010	0.0050	mg/L		12/18/14 13:43	12/19/14 12:28	1
Cyanide, Available	ND		0.0020	0.0018	mg/L			12/19/14 09:45	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: SED-CB21-1214
Date Collected: 12/10/14 09:45
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-5
Matrix: Solid
Percent Solids: 55.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		3000	810	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
2,4,6-Trichlorophenol	ND		3000	600	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
2,4-Dichlorophenol	ND		3000	320	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
2,4-Dimethylphenol	ND		3000	720	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
2,4-Dinitrophenol	ND		5800	1800	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
2,4-Dinitrotoluene	ND		3000	610	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
2,6-Dinitrotoluene	ND		3000	350	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
2-Chloronaphthalene	ND		3000	490	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
2-Chlorophenol	ND		3000	540	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
2-Methylnaphthalene	ND		3000	600	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
2-Methylphenol	ND		3000	350	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
2-Nitroaniline	ND	*	5800	440	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
2-Nitrophenol	ND		3000	840	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
3,3'-Dichlorobenzidine	ND		5800	3500	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
3-Nitroaniline	ND	*	5800	830	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
4,6-Dinitro-2-methylphenol	ND		5800	3000	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
4-Bromophenyl phenyl ether	ND		3000	420	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
4-Chloro-3-methylphenol	ND		3000	740	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
4-Chloroaniline	ND	*	3000	740	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
4-Chlorophenyl phenyl ether	ND		3000	370	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
4-Methylphenol	ND		5800	350	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
4-Nitroaniline	ND		5800	1600	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
4-Nitrophenol	ND		5800	2100	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Acenaphthene	ND		3000	440	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Acenaphthylene	ND		3000	390	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Acetophenone	ND	*	3000	400	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Anthracene	ND		3000	740	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Atrazine	ND		3000	1000	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Benzaldehyde	ND		3000	2400	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Benzo(a)anthracene	**1600**	**J**	3000	300	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Benzo(a)pyrene	**1600**	**J**	3000	440	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Benzo(b)fluoranthene	**2700**	**J**	3000	470	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Benzo(g,h,i)perylene	ND		3000	320	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Benzo(k)fluoranthene	**1200**	**J**	3000	390	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Biphenyl	ND	*	3000	440	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
bis (2-chloroisopropyl) ether	ND	*	3000	600	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Bis(2-chloroethoxy)methane	ND	*	3000	630	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Bis(2-chloroethyl)ether	ND		3000	390	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Bis(2-ethylhexyl) phthalate	ND		3000	1000	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Butyl benzyl phthalate	ND		3000	490	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Caprolactam	ND		3000	900	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Carbazole	ND		3000	350	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Chrysene	**2000**	**J**	3000	670	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Dibenz(a,h)anthracene	ND		3000	530	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Dibenzofuran	ND		3000	350	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Diethyl phthalate	ND		3000	390	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Dimethyl phthalate	ND		3000	350	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Di-n-butyl phthalate	ND		3000	510	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Di-n-octyl phthalate	ND		3000	350	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: SED-CB21-1214
Date Collected: 12/10/14 09:45
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-5
Matrix: Solid
Percent Solids: 55.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**2500**	**J**	3000	320	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Fluorene	ND		3000	350	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Hexachlorobenzene	ND		3000	400	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Hexachlorobutadiene	ND		3000	440	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Hexachlorocyclopentadiene	ND		3000	400	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Hexachloroethane	ND		3000	390	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Indeno(1,2,3-cd)pyrene	ND		3000	370	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Isophorone	ND		3000	630	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Naphthalene	ND		3000	390	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Nitrobenzene	ND		3000	330	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
N-Nitrosodi-n-propylamine	ND		3000	510	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
N-Nitrosodiphenylamine	ND		3000	2400	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Pentachlorophenol	ND		5800	3000	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Phenanthrene	**1000**	**J**	3000	440	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Phenol	ND		3000	460	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10
Pyrene	**1900**	**J**	3000	350	ug/Kg	☼	12/11/14 07:37	12/17/14 17:50	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*12/11/14 07:37*	*12/17/14 17:50*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*39 - 146*	*12/11/14 07:37*	*12/17/14 17:50*	*10*
2-Fluorobiphenyl	*70*		*37 - 120*	*12/11/14 07:37*	*12/17/14 17:50*	*10*
2-Fluorophenol	*58*		*18 - 120*	*12/11/14 07:37*	*12/17/14 17:50*	*10*
Nitrobenzene-d5	*53*		*34 - 132*	*12/11/14 07:37*	*12/17/14 17:50*	*10*
Phenol-d5	*50*		*11 - 120*	*12/11/14 07:37*	*12/17/14 17:50*	*10*
p-Terphenyl-d14	*62*	*X*	*65 - 153*	*12/11/14 07:37*	*12/17/14 17:50*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13200**		18.4	8.1	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Antimony	**2.9**	**J**	27.6	0.74	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Arsenic	**7.8**		3.7	0.74	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Barium	**116**		0.92	0.20	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Beryllium	**1.2**		0.37	0.051	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Cadmium	**1.0**		0.37	0.055	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Calcium	**51300**	**B**	91.9	6.1	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Chromium	**24.2**		0.92	0.37	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Cobalt	**9.0**		0.92	0.092	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Copper	**49.6**		1.8	0.39	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Iron	**27800**	**B**	18.4	2.0	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Lead	**170**		1.8	0.44	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Magnesium	**9100**		36.8	1.7	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Manganese	**966**	**B**	0.37	0.059	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Nickel	**27.1**		9.2	0.42	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Potassium	**2130**		55.1	36.8	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Selenium	ND		7.4	0.74	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Silver	ND		1.1	0.37	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Sodium	**342**		257	23.9	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Thallium	ND		11.0	0.55	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: SED-CB21-1214
Date Collected: 12/10/14 09:45
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-5
Matrix: Solid
Percent Solids: 55.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	24.6		0.92	0.20	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1
Zinc	280	B	3.7	0.28	mg/Kg	☼	12/11/14 14:41	12/12/14 21:53	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.16		0.036	0.015	mg/Kg	☼	12/18/14 13:10	12/18/14 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.8	0.86	mg/Kg	☼	12/12/14 11:30	12/16/14 10:35	1
Cyanide, Free	1.0	J	3.4	0.17	mg/Kg	☼	12/18/14 01:05	12/18/14 01:30	1
Cyanide, Available	0.41		0.072	0.065	mg/Kg	☼	12/15/14 15:00	12/19/14 09:15	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: SED-CB22-1214
Date Collected: 12/10/14 09:30
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-6
Matrix: Solid
Percent Solids: 48.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		3400	920	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
2,4,6-Trichlorophenol	ND		3400	680	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
2,4-Dichlorophenol	ND		3400	360	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
2,4-Dimethylphenol	ND		3400	820	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
2,4-Dinitrophenol	ND		6600	2000	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
2,4-Dinitrotoluene	ND		3400	700	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
2,6-Dinitrotoluene	ND		3400	400	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
2-Chloronaphthalene	ND		3400	560	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
2-Chlorophenol	ND		3400	620	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
2-Methylnaphthalene	ND		3400	680	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
2-Methylphenol	ND		3400	400	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
2-Nitroaniline	ND	*	6600	500	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
2-Nitrophenol	ND		3400	960	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
3,3'-Dichlorobenzidine	ND		6600	4000	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
3-Nitroaniline	ND	*	6600	940	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
4,6-Dinitro-2-methylphenol	ND		6600	3400	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
4-Bromophenyl phenyl ether	ND		3400	480	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
4-Chloro-3-methylphenol	ND		3400	840	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
4-Chloroaniline	ND	*	3400	840	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
4-Chlorophenyl phenyl ether	ND		3400	420	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
4-Methylphenol	ND		6600	400	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
4-Nitroaniline	ND		6600	1800	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
4-Nitrophenol	ND		6600	2400	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Acenaphthene	ND		3400	500	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Acenaphthylene	ND		3400	440	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Acetophenone	ND	*	3400	460	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Anthracene	ND		3400	840	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Atrazine	ND		3400	1200	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Benzaldehyde	ND		3400	2700	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Benzo(a)anthracene	**450**	**J**	3400	340	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Benzo(a)pyrene	ND		3400	500	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Benzo(b)fluoranthene	ND		3400	540	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Benzo(g,h,i)perylene	ND		3400	360	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Benzo(k)fluoranthene	ND		3400	440	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Biphenyl	ND	*	3400	500	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
bis (2-chloroisopropyl) ether	ND	*	3400	680	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Bis(2-chloroethoxy)methane	ND	*	3400	720	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Bis(2-chloroethyl)ether	ND		3400	440	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Bis(2-ethylhexyl) phthalate	ND		3400	1200	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Butyl benzyl phthalate	ND		3400	560	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Caprolactam	ND		3400	1000	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Carbazole	ND		3400	400	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Chrysene	ND		3400	760	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Dibenz(a,h)anthracene	ND		3400	600	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Dibenzofuran	ND		3400	400	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Diethyl phthalate	ND		3400	440	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Dimethyl phthalate	ND		3400	400	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Di-n-butyl phthalate	ND		3400	580	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Di-n-octyl phthalate	ND		3400	400	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10

Client Sample ID: SED-CB22-1214
Date Collected: 12/10/14 09:30
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-6
Matrix: Solid
Percent Solids: 48.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		3400	360	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Fluorene	ND		3400	400	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Hexachlorobenzene	ND		3400	460	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Hexachlorobutadiene	ND		3400	500	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Hexachlorocyclopentadiene	ND		3400	460	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Hexachloroethane	ND		3400	440	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Indeno(1,2,3-cd)pyrene	ND		3400	420	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Isophorone	ND		3400	720	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Naphthalene	ND		3400	440	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Nitrobenzene	ND		3400	380	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
N-Nitrosodi-n-propylamine	ND		3400	580	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
N-Nitrosodiphenylamine	ND		3400	2800	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Pentachlorophenol	ND		6600	3400	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Phenanthrene	ND		3400	500	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Phenol	ND		3400	520	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10
Pyrene	ND		3400	400	ug/Kg	☼	12/11/14 07:37	12/17/14 18:14	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Hexatriacontane	*3000*	*T J N*	*ug/Kg*	☼	*14.67*	*630-06-8*	*12/11/14 07:37*	*12/17/14 18:14*	*10*
Tetratetracontane	*3200*	*T J N*	*ug/Kg*	☼	*15.29*	*7098-22-8*	*12/11/14 07:37*	*12/17/14 18:14*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*47*		*39 - 146*	*12/11/14 07:37*	*12/17/14 18:14*	*10*
2-Fluorobiphenyl	*59*		*37 - 120*	*12/11/14 07:37*	*12/17/14 18:14*	*10*
2-Fluorophenol	*46*		*18 - 120*	*12/11/14 07:37*	*12/17/14 18:14*	*10*
Nitrobenzene-d5	*48*		*34 - 132*	*12/11/14 07:37*	*12/17/14 18:14*	*10*
Phenol-d5	*62*		*11 - 120*	*12/11/14 07:37*	*12/17/14 18:14*	*10*
p-Terphenyl-d14	*70*		*65 - 153*	*12/11/14 07:37*	*12/17/14 18:14*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6250**		19.3	8.5	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Antimony	ND		28.9	0.77	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Arsenic	**2.4**	**J**	3.9	0.77	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Barium	**98.9**		0.96	0.21	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Beryllium	**0.97**		0.39	0.054	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Cadmium	**0.21**	**J**	0.39	0.058	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Calcium	**278000**	**B**	482	31.8	mg/Kg	☼	12/11/14 14:41	12/15/14 12:53	5
Chromium	**5.4**		0.96	0.39	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Cobalt	**2.3**		0.96	0.096	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Copper	**11.0**		1.9	0.40	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Iron	**9030**	**B**	19.3	2.1	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Lead	**30.5**		1.9	0.46	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Magnesium	**8350**		38.6	1.8	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Manganese	**359**	**B**	0.39	0.062	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Nickel	**6.7**	**J**	9.6	0.44	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Potassium	**704**		57.8	38.6	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Selenium	**1.9**	**J**	7.7	0.77	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Silver	ND		1.2	0.39	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Sodium	**185**	**J**	270	25.1	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: SED-CB22-1214
Date Collected: 12/10/14 09:30
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-6
Matrix: Solid
Percent Solids: 48.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		11.6	0.58	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Vanadium	**6.9**		0.96	0.21	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1
Zinc	**71.2**	**B**	3.9	0.29	mg/Kg	☼	12/11/14 14:41	12/12/14 22:16	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.028**	**J**	0.039	0.016	mg/Kg	☼	12/18/14 13:10	12/18/14 14:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**1.8**	**J**	2.0	0.97	mg/Kg	☼	12/12/14 11:30	12/16/14 10:36	1
Cyanide, Free	**0.53**	**J**	3.9	0.19	mg/Kg	☼	12/18/14 01:05	12/18/14 01:30	1
Cyanide, Available	ND		0.083	0.074	mg/Kg	☼	12/15/14 15:00	12/19/14 09:19	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: SED-CB23-1214
Date Collected: 12/10/14 09:15
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-7
Matrix: Solid
Percent Solids: 54.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		310	83	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
2,4,6-Trichlorophenol	ND		310	61	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
2,4-Dichlorophenol	ND		310	32	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
2,4-Dimethylphenol	ND		310	74	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
2,4-Dinitrophenol	ND		590	180	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
2,4-Dinitrotoluene	ND		310	63	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
2,6-Dinitrotoluene	ND		310	36	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
2-Chloronaphthalene	ND		310	50	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
2-Chlorophenol	ND		310	56	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
2-Methylnaphthalene	**240**	**J**	310	61	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
2-Methylphenol	ND		310	36	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
2-Nitroaniline	ND	*	590	45	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
2-Nitrophenol	ND		310	86	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
3,3'-Dichlorobenzidine	ND		590	360	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
3-Nitroaniline	ND	*	590	85	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
4,6-Dinitro-2-methylphenol	ND		590	310	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
4-Bromophenyl phenyl ether	ND		310	43	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
4-Chloro-3-methylphenol	ND		310	76	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
4-Chloroaniline	ND	*	310	76	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
4-Chlorophenyl phenyl ether	ND		310	38	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
4-Methylphenol	ND		590	36	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
4-Nitroaniline	ND		590	160	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
4-Nitrophenol	ND		590	210	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Acenaphthene	**58**	**J**	310	45	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Acenaphthylene	**92**	**J**	310	40	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Acetophenone	ND	*	310	41	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Anthracene	**130**	**J**	310	76	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Atrazine	ND		310	110	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Benzaldehyde	ND		310	240	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Benzo(a)anthracene	**950**		310	31	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Benzo(a)pyrene	**530**		310	45	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Benzo(b)fluoranthene	**1100**		310	49	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Benzo(g,h,i)perylene	**220**	**J**	310	32	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Benzo(k)fluoranthene	**470**		310	40	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Biphenyl	ND	*	310	45	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
bis (2-chloroisopropyl) ether	ND	*	310	61	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Bis(2-chloroethoxy)methane	ND	*	310	65	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Bis(2-chloroethyl)ether	ND		310	40	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Bis(2-ethylhexyl) phthalate	ND		310	100	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Butyl benzyl phthalate	ND		310	50	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Caprolactam	ND		310	92	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Carbazole	**49**	**J**	310	36	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Chrysene	**1200**		310	68	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Dibenz(a,h)anthracene	ND		310	54	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Dibenzofuran	**96**	**J**	310	36	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Diethyl phthalate	ND		310	40	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Dimethyl phthalate	ND		310	36	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Di-n-butyl phthalate	ND		310	52	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Di-n-octyl phthalate	ND		310	36	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: SED-CB23-1214
Date Collected: 12/10/14 09:15
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-7
Matrix: Solid
Percent Solids: 54.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1400**		310	32	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Fluorene	**57**	**J**	310	36	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Hexachlorobenzene	ND		310	41	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Hexachlorobutadiene	ND		310	45	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Hexachlorocyclopentadiene	ND		310	41	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Hexachloroethane	ND		310	40	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Indeno(1,2,3-cd)pyrene	**200**	**J**	310	38	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Isophorone	ND		310	65	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Naphthalene	**210**	**J**	310	40	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Nitrobenzene	ND		310	34	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
N-Nitrosodi-n-propylamine	ND		310	52	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
N-Nitrosodiphenylamine	ND		310	250	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Pentachlorophenol	ND		590	310	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Phenanthrene	**510**		310	45	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Phenol	ND		310	47	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1
Pyrene	**1200**		310	36	ug/Kg	☼	12/11/14 07:37	12/17/14 18:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1-Methylnaphthalene	*180*	*J **	*ug/Kg*	☼	*8.59*	*90-12-0*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
n-Octadecane	*220*	*J **	*ug/Kg*	☼	*10.24*	*593-45-3*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
Hexadecane	*220*	*J **	*ug/Kg*	☼	*11.21*	*544-76-3*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*13.38*		*12/11/14 07:37*	*12/17/14 18:37*	*1*
Cycloeicosane	*610*	*T J N*	*ug/Kg*	☼	*13.56*	*296-56-0*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
Hexadecane	*720*	*T J N*	*ug/Kg*	☼	*14.12*	*544-76-3*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
Nonacosane	*2000*	*T J N*	*ug/Kg*	☼	*14.67*	*630-03-5*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
Unknown	*870*	*T J*	*ug/Kg*	☼	*14.69*		*12/11/14 07:37*	*12/17/14 18:37*	*1*
Benzo[e]pyrene	*690*	*T J N*	*ug/Kg*	☼	*14.87*	*192-97-2*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
Pentatriacontane	*1000*	*T J N*	*ug/Kg*	☼	*15.30*	*630-07-9*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
Cholestane, 4,5-epoxy-, (4.alpha.,5.alph	*640*	*T J N*	*ug/Kg*	☼	*15.62*	*6079-19-2*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
Unknown	*540*	*T J*	*ug/Kg*	☼	*16.30*		*12/11/14 07:37*	*12/17/14 18:37*	*1*
Stigmasterol, 22,23-dihydro-	*1200*	*T J N*	*ug/Kg*	☼	*16.45*	*1000214-20-7*	*12/11/14 07:37*	*12/17/14 18:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*18*	*X*	*39 - 146*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
2-Fluorobiphenyl	*66*		*37 - 120*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
2-Fluorophenol	*56*		*18 - 120*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
Nitrobenzene-d5	*55*		*34 - 132*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
Phenol-d5	*61*		*11 - 120*	*12/11/14 07:37*	*12/17/14 18:37*	*1*
p-Terphenyl-d14	*65*		*65 - 153*	*12/11/14 07:37*	*12/17/14 18:37*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7690**		18.7	8.2	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Antimony	**1.2**	**J**	28.1	0.75	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Arsenic	**4.9**		3.7	0.75	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Barium	**103**		0.94	0.21	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Beryllium	**0.95**		0.37	0.052	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Cadmium	**0.35**	**J**	0.37	0.056	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Calcium	**141000**	**B**	93.7	6.2	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: SED-CB23-1214
Date Collected: 12/10/14 09:15
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-7
Matrix: Solid
Percent Solids: 54.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	11.0		0.94	0.37	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Cobalt	5.2		0.94	0.094	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Copper	17.6		1.9	0.39	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Iron	16500	B	18.7	2.1	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Lead	36.1		1.9	0.45	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Magnesium	18500		37.5	1.7	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Manganese	523	B	0.37	0.060	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Nickel	13.6		9.4	0.43	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Potassium	1450		56.2	37.5	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Selenium	1.4	J	7.5	0.75	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Silver	ND		1.1	0.37	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Sodium	248	J	262	24.4	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Thallium	ND		11.2	0.56	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Vanadium	12.9		0.94	0.21	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1
Zinc	100	B	3.7	0.29	mg/Kg	☼	12/11/14 14:41	12/12/14 22:19	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.022	J	0.036	0.015	mg/Kg	☼	12/18/14 13:10	12/18/14 14:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.8	0.85	mg/Kg	☼	12/12/14 11:30	12/16/14 10:39	1
Cyanide, Free	0.30	J	3.8	0.19	mg/Kg	☼	12/18/14 01:05	12/18/14 01:30	1
Cyanide, Available	ND		0.074	0.066	mg/Kg	☼	12/15/14 15:00	12/19/14 09:21	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: SED-CB24-1214
Date Collected: 12/10/14 09:00
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-8
Matrix: Solid
Percent Solids: 64.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		2600	710	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
2,4,6-Trichlorophenol	ND		2600	520	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
2,4-Dichlorophenol	ND		2600	280	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
2,4-Dimethylphenol	ND		2600	630	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
2,4-Dinitrophenol	ND		5100	1600	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
2,4-Dinitrotoluene	ND		2600	540	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
2,6-Dinitrotoluene	ND		2600	310	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
2-Chloronaphthalene	ND		2600	430	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
2-Chlorophenol	ND		2600	480	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
2-Methylnaphthalene	ND		2600	520	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
2-Methylphenol	ND		2600	310	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
2-Nitroaniline	ND	*	5100	380	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
2-Nitrophenol	ND		2600	740	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
3,3'-Dichlorobenzidine	ND		5100	3100	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
3-Nitroaniline	ND	*	5100	720	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
4,6-Dinitro-2-methylphenol	ND		5100	2600	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
4-Bromophenyl phenyl ether	ND		2600	370	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
4-Chloro-3-methylphenol	ND		2600	640	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
4-Chloroaniline	ND	*	2600	640	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
4-Chlorophenyl phenyl ether	ND		2600	320	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
4-Methylphenol	ND		5100	310	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
4-Nitroaniline	ND		5100	1400	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
4-Nitrophenol	ND		5100	1800	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Acenaphthene	ND		2600	380	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Acenaphthylene	ND		2600	340	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Acetophenone	ND	*	2600	350	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Anthracene	ND		2600	640	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Atrazine	ND		2600	910	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Benzaldehyde	ND		2600	2100	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Benzo(a)anthracene	**1200**	**J**	2600	260	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Benzo(a)pyrene	**1100**	**J**	2600	380	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Benzo(b)fluoranthene	**2000**	**J**	2600	410	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Benzo(g,h,i)perylene	ND		2600	280	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Benzo(k)fluoranthene	**880**	**J**	2600	340	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Biphenyl	ND	*	2600	380	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
bis (2-chloroisopropyl) ether	ND	*	2600	520	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Bis(2-chloroethoxy)methane	ND	*	2600	550	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Bis(2-chloroethyl)ether	ND		2600	340	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Bis(2-ethylhexyl) phthalate	ND		2600	890	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Butyl benzyl phthalate	ND		2600	430	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Caprolactam	ND		2600	780	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Carbazole	ND		2600	310	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Chrysene	**1600**	**J**	2600	580	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Dibenz(a,h)anthracene	ND		2600	460	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Dibenzofuran	ND		2600	310	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Diethyl phthalate	ND		2600	340	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Dimethyl phthalate	ND		2600	310	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Di-n-butyl phthalate	ND		2600	450	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Di-n-octyl phthalate	ND		2600	310	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10

Client Sample ID: SED-CB24-1214
Date Collected: 12/10/14 09:00
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-8
Matrix: Solid
Percent Solids: 64.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**2000**	**J**	2600	280	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Fluorene	ND		2600	310	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Hexachlorobenzene	ND		2600	350	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Hexachlorobutadiene	ND		2600	380	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Hexachlorocyclopentadiene	ND		2600	350	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Hexachloroethane	ND		2600	340	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Indeno(1,2,3-cd)pyrene	ND		2600	320	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Isophorone	ND		2600	550	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Naphthalene	ND		2600	340	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Nitrobenzene	ND		2600	290	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
N-Nitrosodi-n-propylamine	ND		2600	450	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
N-Nitrosodiphenylamine	ND		2600	2100	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Pentachlorophenol	ND		5100	2600	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Phenanthrene	**1500**	**J**	2600	380	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Phenol	ND		2600	400	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10
Pyrene	**1800**	**J**	2600	310	ug/Kg	☼	12/11/14 07:37	12/17/14 19:01	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*12/11/14 07:37*	*12/17/14 19:01*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*54*		*39 - 146*	*12/11/14 07:37*	*12/17/14 19:01*	*10*
2-Fluorobiphenyl	*66*		*37 - 120*	*12/11/14 07:37*	*12/17/14 19:01*	*10*
2-Fluorophenol	*59*		*18 - 120*	*12/11/14 07:37*	*12/17/14 19:01*	*10*
Nitrobenzene-d5	*59*		*34 - 132*	*12/11/14 07:37*	*12/17/14 19:01*	*10*
Phenol-d5	*54*		*11 - 120*	*12/11/14 07:37*	*12/17/14 19:01*	*10*
p-Terphenyl-d14	*65*		*65 - 153*	*12/11/14 07:37*	*12/17/14 19:01*	*10*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**24200**		14.7	6.5	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Antimony	**2.1**	**J**	22.0	0.59	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Arsenic	**8.7**		2.9	0.59	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Barium	**184**		0.73	0.16	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Beryllium	**3.5**		0.29	0.041	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Cadmium	**0.70**		0.29	0.044	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Calcium	**116000**	**B**	73.5	4.8	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Chromium	**12.4**		0.73	0.29	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Cobalt	**5.9**		0.73	0.073	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Copper	**39.2**		1.5	0.31	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Iron	**29800**	**B**	14.7	1.6	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Lead	**74.3**		1.5	0.35	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Magnesium	**8320**		29.4	1.4	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Manganese	**1290**	**B**	0.29	0.047	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Nickel	**14.3**		7.3	0.34	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Potassium	**1480**		44.1	29.4	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Selenium	**0.99**	**J**	5.9	0.59	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Silver	ND		0.88	0.29	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Sodium	**402**		206	19.1	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Thallium	ND		8.8	0.44	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: SED-CB24-1214
Date Collected: 12/10/14 09:00
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-8
Matrix: Solid
Percent Solids: 64.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	13.4		0.73	0.16	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1
Zinc	171	B	2.9	0.22	mg/Kg	☼	12/11/14 14:41	12/12/14 22:22	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.080		0.031	0.013	mg/Kg	☼	12/18/14 13:10	12/18/14 14:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.5	0.72	mg/Kg	☼	12/12/14 11:30	12/16/14 10:41	1
Cyanide, Free	0.83	J	2.8	0.14	mg/Kg	☼	12/18/14 01:05	12/18/14 01:30	1
Cyanide, Available	ND		0.062	0.055	mg/Kg	☼	12/15/14 15:00	12/19/14 09:22	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: GW-TP7-1214-U

Lab Sample ID: 480-72809-1

Date Collected: 12/09/14 16:05

Matrix: Water

Date Received: 12/10/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218460	12/11/14 05:44	TRG	TAL BUF
Total/NA	Analysis	8270D		1	219105	12/15/14 15:01	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		220165	12/19/14 14:25	RJS	TAL BUF
Total/NA	Analysis	8270D	RE	1	220247	12/20/14 21:43	PJQ	TAL BUF
Total/NA	Prep	3005A			218478	12/11/14 10:01	TAS	TAL BUF
Total/NA	Analysis	6010C		1	219109	12/12/14 16:22	TRB	TAL BUF
Total/NA	Prep	7470A			218484	12/11/14 09:10	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218707	12/11/14 15:43	LRK	TAL BUF
Total/NA	Prep	9012B			219930	12/18/14 13:43	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220150	12/19/14 12:24	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128892	12/19/14 09:40	PGJ	TAL PIT

Client Sample ID: GW-TP7-1214-F

Lab Sample ID: 480-72809-2

Date Collected: 12/09/14 16:20

Matrix: Water

Date Received: 12/10/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218460	12/11/14 05:44	TRG	TAL BUF
Total/NA	Analysis	8270D		1	219105	12/15/14 15:26	PJQ	TAL BUF
Total/NA	Prep	3005A			218478	12/11/14 10:01	TAS	TAL BUF
Total/NA	Analysis	6010C		1	219109	12/12/14 16:25	TRB	TAL BUF
Total/NA	Prep	7470A			218484	12/11/14 09:10	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218707	12/11/14 15:44	LRK	TAL BUF
Total/NA	Prep	9012B			219930	12/18/14 13:43	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220150	12/19/14 12:26	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128892	12/19/14 09:42	PGJ	TAL PIT

Client Sample ID: GW-TP12-1214-U

Lab Sample ID: 480-72809-3

Date Collected: 12/10/14 08:00

Matrix: Water

Date Received: 12/10/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218460	12/11/14 05:44	TRG	TAL BUF
Total/NA	Analysis	8270D		1	219105	12/15/14 15:52	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		220165	12/19/14 14:25	RJS	TAL BUF
Total/NA	Analysis	8270D	RE	1	220247	12/20/14 22:35	PJQ	TAL BUF
Total/NA	Prep	3005A			218478	12/11/14 10:01	TAS	TAL BUF
Total/NA	Analysis	6010C		1	219109	12/12/14 16:28	TRB	TAL BUF
Total/NA	Prep	7470A			218484	12/11/14 09:10	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218707	12/11/14 15:46	LRK	TAL BUF
Total/NA	Prep	9012B			219930	12/18/14 13:43	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220150	12/19/14 12:27	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128892	12/19/14 09:43	PGJ	TAL PIT

Client Sample ID: GW-TP12-1214-F

Lab Sample ID: 480-72809-4

Date Collected: 12/10/14 08:15

Matrix: Water

Date Received: 12/10/14 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			218460	12/11/14 05:44	TRG	TAL BUF
Total/NA	Analysis	8270D		1	219105	12/15/14 16:17	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		220165	12/19/14 14:25	RJS	TAL BUF
Total/NA	Analysis	8270D	RE	1	220247	12/20/14 23:01	PJQ	TAL BUF
Total/NA	Prep	3005A			218478	12/11/14 10:01	TAS	TAL BUF
Total/NA	Analysis	6010C		1	219109	12/12/14 16:31	TRB	TAL BUF
Total/NA	Prep	7470A			218484	12/11/14 09:10	LRK	TAL BUF
Total/NA	Analysis	7470A		1	218707	12/11/14 15:48	LRK	TAL BUF
Total/NA	Prep	9012B			219930	12/18/14 13:43	EKB	TAL BUF
Total/NA	Analysis	9012B		1	220150	12/19/14 12:28	NCH	TAL BUF
Total/NA	Analysis	OIA-1677		1	128892	12/19/14 09:45	PGJ	TAL PIT

Client Sample ID: SED-CB21-1214

Lab Sample ID: 480-72809-5

Date Collected: 12/10/14 09:45

Matrix: Solid

Date Received: 12/10/14 16:10

Percent Solids: 55.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			218466	12/11/14 07:37	CAM	TAL BUF
Total/NA	Analysis	8270D		10	219595	12/17/14 17:50	DMR	TAL BUF
Total/NA	Prep	3050B			218574	12/11/14 14:41	LED	TAL BUF
Total/NA	Analysis	6010C		1	218962	12/12/14 21:53	LMH	TAL BUF
Total/NA	Prep	7471B			219875	12/18/14 13:10	LRK	TAL BUF
Total/NA	Analysis	7471B		1	219947	12/18/14 14:33	LRK	TAL BUF
Total/NA	Prep	9012B			218833	12/12/14 11:30	EKB	TAL BUF
Total/NA	Analysis	9012B		1	219429	12/16/14 10:35	NCH	TAL BUF
Total/NA	Leach	9016			269687	12/17/14 01:30	PXP	TAL EDI
Total/NA	Prep	9016			269942	12/18/14 01:05	PXP	TAL EDI
Total/NA	Analysis	9016		1	269996	12/18/14 01:30	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	218426	12/10/14 20:16	CW	TAL BUF
Total/NA	Prep	9013A			128360	12/15/14 15:00	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	128892	12/19/14 09:15	PGJ	TAL PIT

Client Sample ID: SED-CB22-1214

Lab Sample ID: 480-72809-6

Date Collected: 12/10/14 09:30

Matrix: Solid

Date Received: 12/10/14 16:10

Percent Solids: 48.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			218466	12/11/14 07:37	CAM	TAL BUF
Total/NA	Analysis	8270D		10	219595	12/17/14 18:14	DMR	TAL BUF
Total/NA	Prep	3050B			218574	12/11/14 14:41	LED	TAL BUF
Total/NA	Analysis	6010C		1	218962	12/12/14 22:16	LMH	TAL BUF
Total/NA	Prep	3050B			218574	12/11/14 14:41	LED	TAL BUF
Total/NA	Analysis	6010C		5	219312	12/15/14 12:53	LMH	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: SED-CB22-1214

Lab Sample ID: 480-72809-6

Date Collected: 12/10/14 09:30
Matrix: Solid
Date Received: 12/10/14 16:10
Percent Solids: 48.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			219875	12/18/14 13:10	LRK	TAL BUF
Total/NA	Analysis	7471B		1	219947	12/18/14 14:35	LRK	TAL BUF
Total/NA	Prep	9012B			218833	12/12/14 11:30	EKB	TAL BUF
Total/NA	Analysis	9012B		1	219429	12/16/14 10:36	NCH	TAL BUF
Total/NA	Leach	9016			269687	12/17/14 01:30	PXP	TAL EDI
Total/NA	Prep	9016			269942	12/18/14 01:05	PXP	TAL EDI
Total/NA	Analysis	9016		1	269996	12/18/14 01:30	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	218426	12/10/14 20:16	CW	TAL BUF
Total/NA	Prep	9013A			128360	12/15/14 15:00	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	128892	12/19/14 09:19	PGJ	TAL PIT

Client Sample ID: SED-CB23-1214

Lab Sample ID: 480-72809-7

Date Collected: 12/10/14 09:15
Matrix: Solid
Date Received: 12/10/14 16:10
Percent Solids: 54.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			218466	12/11/14 07:37	CAM	TAL BUF
Total/NA	Analysis	8270D		1	219595	12/17/14 18:37	DMR	TAL BUF
Total/NA	Prep	3050B			218574	12/11/14 14:41	LED	TAL BUF
Total/NA	Analysis	6010C		1	218962	12/12/14 22:19	LMH	TAL BUF
Total/NA	Prep	7471B			219875	12/18/14 13:10	LRK	TAL BUF
Total/NA	Analysis	7471B		1	219947	12/18/14 14:37	LRK	TAL BUF
Total/NA	Prep	9012B			218833	12/12/14 11:30	EKB	TAL BUF
Total/NA	Analysis	9012B		1	219429	12/16/14 10:39	NCH	TAL BUF
Total/NA	Leach	9016			269687	12/17/14 01:30	PXP	TAL EDI
Total/NA	Prep	9016			269942	12/18/14 01:05	PXP	TAL EDI
Total/NA	Analysis	9016		1	269996	12/18/14 01:30	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	218426	12/10/14 20:16	CW	TAL BUF
Total/NA	Prep	9013A			128360	12/15/14 15:00	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	128892	12/19/14 09:21	PGJ	TAL PIT

Client Sample ID: SED-CB24-1214

Lab Sample ID: 480-72809-8

Date Collected: 12/10/14 09:00
Matrix: Solid
Date Received: 12/10/14 16:10
Percent Solids: 64.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			218466	12/11/14 07:37	CAM	TAL BUF
Total/NA	Analysis	8270D		10	219595	12/17/14 19:01	DMR	TAL BUF
Total/NA	Prep	3050B			218574	12/11/14 14:41	LED	TAL BUF
Total/NA	Analysis	6010C		1	218962	12/12/14 22:22	LMH	TAL BUF
Total/NA	Prep	7471B			219875	12/18/14 13:10	LRK	TAL BUF
Total/NA	Analysis	7471B		1	219947	12/18/14 14:39	LRK	TAL BUF
Total/NA	Prep	9012B			218833	12/12/14 11:30	EKB	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Client Sample ID: SED-CB24-1214
Date Collected: 12/10/14 09:00
Date Received: 12/10/14 16:10

Lab Sample ID: 480-72809-8
Matrix: Solid
Percent Solids: 64.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9012B		1	219429	12/16/14 10:41	NCH	TAL BUF
Total/NA	Leach	9016			269687	12/17/14 01:30	PXP	TAL EDI
Total/NA	Prep	9016			269942	12/18/14 01:05	PXP	TAL EDI
Total/NA	Analysis	9016		1	269996	12/18/14 01:30	PXP	TAL EDI
Total/NA	Analysis	Moisture		1	218426	12/10/14 20:16	CW	TAL BUF
Total/NA	Prep	9013A			128360	12/15/14 15:00	PGJ	TAL PIT
Total/NA	Analysis	OIA-1677		1	128892	12/19/14 09:22	PGJ	TAL PIT

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8270D	3550C	Solid	1-Methylnaphthalene
8270D	3550C	Solid	Hexadecane
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: TestAmerica Edison

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-15

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11182	03-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
OIA-1677	9013A	Solid	Cyanide, Available

Method Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
9016	Cyanide, Free	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL BUF
OIA-1677	Cyanide, Available (Flow Injection)	OI CORP	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

OI CORP = OI Corporation Instrument Manual.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: New York State D.E.C.
Project/Site: NYSDEC-Buffalo Lakeside:Site# 915193A

TestAmerica Job ID: 480-72809-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-72809-1	GW-TP7-1214-U	Water	12/09/14 16:05	12/10/14 16:10
480-72809-2	GW-TP7-1214-F	Water	12/09/14 16:20	12/10/14 16:10
480-72809-3	GW-TP12-1214-U	Water	12/10/14 08:00	12/10/14 16:10
480-72809-4	GW-TP12-1214-F	Water	12/10/14 08:15	12/10/14 16:10
480-72809-5	SED-CB21-1214	Solid	12/10/14 09:45	12/10/14 16:10
480-72809-6	SED-CB22-1214	Solid	12/10/14 09:30	12/10/14 16:10
480-72809-7	SED-CB23-1214	Solid	12/10/14 09:15	12/10/14 16:10
480-72809-8	SED-CB24-1214	Solid	12/10/14 09:00	12/10/14 16:10

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYS DEC	Heidi Dudek	12/10/14	277703
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of _____
625 Broadway, 12th floor	(518) 402-9873		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12233	Amy Picunas	Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP Tradedown, Buffalo, NY			
Contract/Purchase Order/Quote No.			
BLCP Parcel 4 Site 915934 Lab Callout			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Avail CN	Tal Metals + Hg	Tal SVOC + 22	TOTAL CN	Free CN
GW-TP7-1214-U	12/9/14	1605		X			X		X		X		X	X	X	X	
GW-TP7-1214-F	12/9/14	1620		X			X		X		X		X	X	X	X	
GW-TP12-1214-U	12/10/14	0800		X			X		X		X		X	X	X	X	
GW-TP12-1214-F	12/10/14	0815		X			X		X		X		X	X	X	X	
SED-CB21-1214	12/10/14	0945			X		X						X	X	X	X	X
SED-CB22-1214	12/10/14	0930			X		X						X	X	X	X	X
SED-CB23-1214	12/10/14	0915			X		X						X	X	X	X	X
SED-CB24-1214	12/10/14	0900			X		X						X	X	X	X	X

Special Instructions/ Conditions of Receipt

480-72809 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	12/10/14	3:10pm	1. Received By	12/10/14	5:10
2. Relinquished By	12/10/14	16:10	2. Received By TA Buff	12/10/14	16:10
3. Relinquished By			3. Received By		

Comments

1 3.7

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-72809-1

Login Number: 72809

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robison, Zachary J

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	NYS DEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-72809-1

Login Number: 72809
List Number: 4
Creator: Elvie, Cloide

List Source: TestAmerica Edison
List Creation: 12/13/14 01:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	233609
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4°C IR#5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-72809-1

Login Number: 72809
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 12/12/14 05:15 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-72809-1

Login Number: 72809
List Number: 3
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 12/12/14 05:15 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Parameter	Method of Analysis	Date of Analysis	PQL	Units	ICV in % rec	ICB	RDLCHK in % rec	LCSA1 in % rec	LCSA2 in % rec	Matrix Spike in % rec	Matrix Spike Duplicate in % rec	MS/MSD % rpd
Cyanide, Free (pH 6)	ASTM-D7237-10	6/2/2015	0.003	mg/L	94.5	<0.003	101.8	98.3	101.3	113.6*	115.9*	2.0
Cyanide, Free (pH 6)	ASTM-D7237-10	6/3/2015	0.003	mg/L	105.1	<0.003	92.9	99.5	94.7	109.2	110.8**	1.4

* recovery did not meet method limits; data qualified on analytical report (M15-16950-10).

** recovery did not meet method limits; data qualified on analytical report (M15-16950-16).

CCV1 in % rec	CCB1	Matrix Spike in % rec	Matrix Spike Duplicate in % rec	MS/MSD % rpd	CCV2 in % rec	CCB2
97.7	<0.003	99.2	98.4	0.7	100.3	<0.003
99.4	<0.003	96.7	96	0.7	91.2	<0.003

Lynatte Mashingaidze

Date : 6/2/2015

Original Run Filename: OM_6-2-2015_04-39-39PM.OMN Created: 6/2/2015 4:39:39 PM
Original Run Author's Signature: [latchet2]
Current Run Filename: 060215LMCNF.omn Last Modified: 6/2/2015 9:18:56 PM
Current Run Author's Signature: [latchet2]
Description: Quik Chem 8500 series 2 serial # 101000001274

Sample	Rep.	Cup No.	Channel 2 Free Cyanide Conc. (MG/L)	Channel 2 Free Cyanide Area (V.s)	Detection Time	Description	
0.3000 mg/l	1	S1	0.30000	266.63	6/2/2015@4:43:24 PM		
0.2000 mg/l	1	S2	0.20000	186.65	6/2/2015@4:50:07 PM		
0.1000 mg/l	1	S3	0.10000	95.009	6/2/2015@4:56:50 PM		
0.0500 mg/l	1	S4	0.050000	49.318	6/2/2015@5:03:34 PM		
0.00500 mg/l	1	S5	0.0050000	5.4251	6/2/2015@5:10:18 PM		
0.003000 mg/l	1	S6	0.0030000	3.4038	6/2/2015@5:17:00 PM		
0.000 mg/l blank	1	S7	0.0000	0.031097	6/2/2015@5:23:43 PM		
ICV TV=0.147 MG/L	1	1	0.13894	131.61	6/2/2015@5:30:27 PM	94.6%	
	Known Conc:		0.14700				
	Calibration:		Table/Fig. : 1				
ICB	1	2	-0.00064203	-0.39736	6/2/2015@5:37:11 PM		
	Known Conc:		0.0000				
RDLCHK TV=0.003000 MG/L	1	3	0.0030530	3.3134	6/2/2015@5:43:55 PM	101.8%	
LCSA1 TV=0.1500 MG/L	1	4	0.14742	139.15	6/2/2015@5:50:38 PM	98.3%	
	Known Conc:		0.15000				
LCSA2 TV=0.2000MG/L	1	5	0.20255	187.05	6/2/2015@5:57:22 PM	101.3%	
	Known Conc:		0.20000				
[redacted]	1	6	-0.00017684	0.070545	6/2/2015@6:04:06 PM		
[redacted]	1	7	0.00092173	1.1747	6/2/2015@6:10:49 PM		
[redacted]	1	8	0.00016242	0.41164	6/2/2015@6:17:32 PM		
[redacted]	1	9	0.00060583	0.85730	6/2/2015@6:24:15 PM		
[redacted]	1	10	0.00018261	0.43195	6/2/2015@6:30:59 PM		
16950-01	1	11	0.0018461	2.1029	6/2/2015@6:37:42 PM		
16950-02	1	12	0.0018178	2.0744	6/2/2015@6:44:24 PM		
16950-03	1	13	0.00036059	0.61085	6/2/2015@6:51:07 PM		
16950-04	1	14	0.00057293	0.82425	6/2/2015@6:57:50 PM		
16950-10	1	15	5.2329e-5	0.30097	6/2/2015@7:04:32 PM		
16950-10 MS TV=0.2000MG/L	1	16	0.22725	207.91	6/2/2015@7:11:16 PM	113.6%	% RPD = 2.0 %
16950-10 MSD TV=0.2000MG/L	1	17	0.23182	211.74	6/2/2015@7:18:00 PM	115.9%	
CCV1 TV=0.147MG/L	1	18	0.14358	135.74	6/2/2015@7:24:44 PM	97.7%	
	Known Conc:		0.14700				
CCB1	1	19	-0.00043128	-0.18535	6/2/2015@7:31:28 PM		
16950-05	1	20	4.9583e-5	0.29821	6/2/2015@7:38:11 PM		
16950-06	1	21	0.00012662	0.37566	6/2/2015@7:44:55 PM		
16950-07	1	22	-2.2248e-5	0.22599	6/2/2015@7:51:38 PM		
16950-08	1	23	-3.1256e-6	0.24522	6/2/2015@7:58:21 PM		
16950-09	1	24	2.0598e-5	0.26907	6/2/2015@8:05:05 PM		
16950-11	1	25	0.0012886	1.5431	6/2/2015@8:11:48 PM		
16950-12	1	26	0.0012749	1.5294	6/2/2015@8:18:31 PM		
16950-13	1	27	0.0015762	1.8319	6/2/2015@8:25:14 PM		
16950-13 MS TV=0.2000MG/L	1	28	0.19988	184.77	6/2/2015@8:31:56 PM	99.2%	% RPD = 0.7
16950-13 MSD TV=0.2000MG/L	1	29	0.19843	183.54	6/2/2015@8:38:39 PM	98.4%	
16950-14	1	30	-0.00049219	-0.24662	6/2/2015@8:45:21 PM		
16950-15	1	31	0.00044410	0.69478	6/2/2015@8:52:05 PM		
CCV2 TV=0.147MG/L	1	32	0.14747	139.20	6/2/2015@8:58:49 PM	100.3%	
	Known Conc:		0.14700				
CCB2	1	33	-0.00043076	-0.18483	6/2/2015@9:05:33 PM		

Analyte Properties Table for : 060215LMCNF.omn

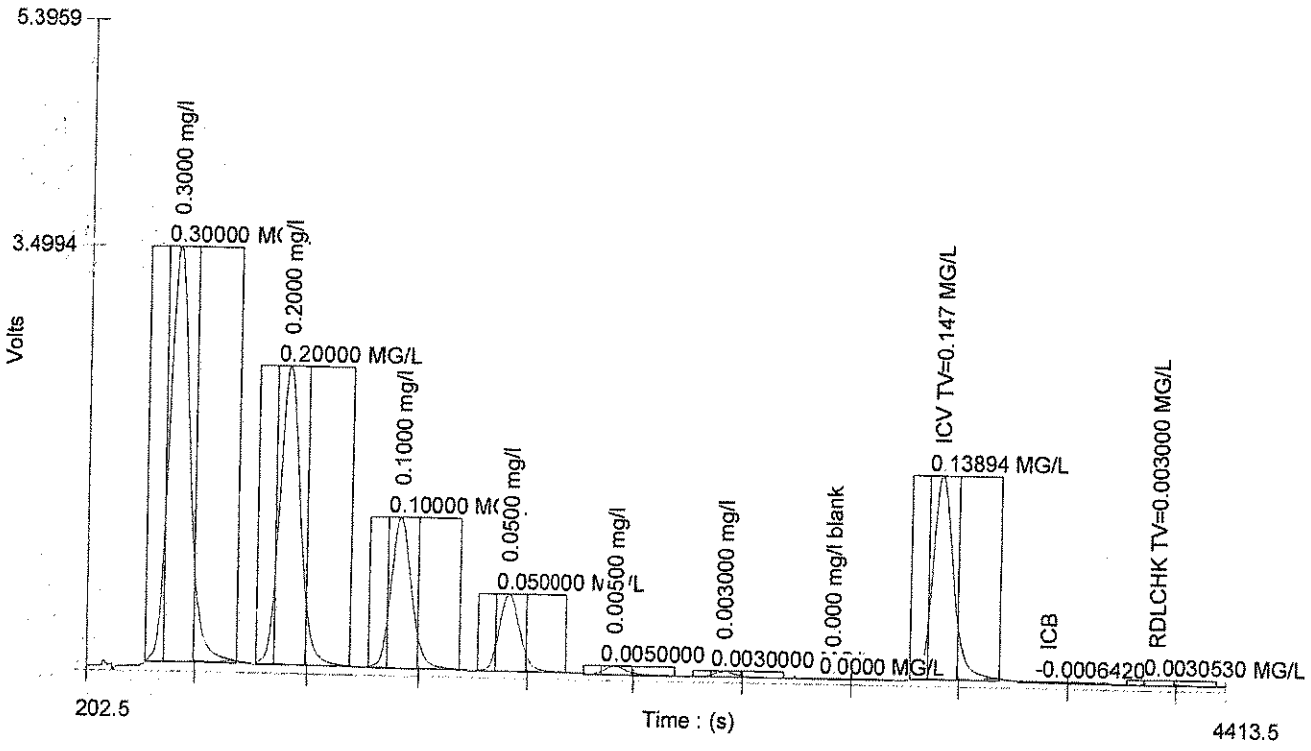
Property	Channel 2 Free Cyanide
Concentration Units	MG/L
Calibration Fit Type	Second Order
Clear Calibration	Yes
Force through Zero	No
Calibration Weighting	1/x

Lynatte Mashingaidze

Date : 6/2/2015

Auto Dilution Trigger	No
% of High Standard	110
Quik Chem Method	10-204-00-5-C
Chemistry	Brackish
Calibration by Height	No
Inject to Peak Start	220
Peak Base Width	334

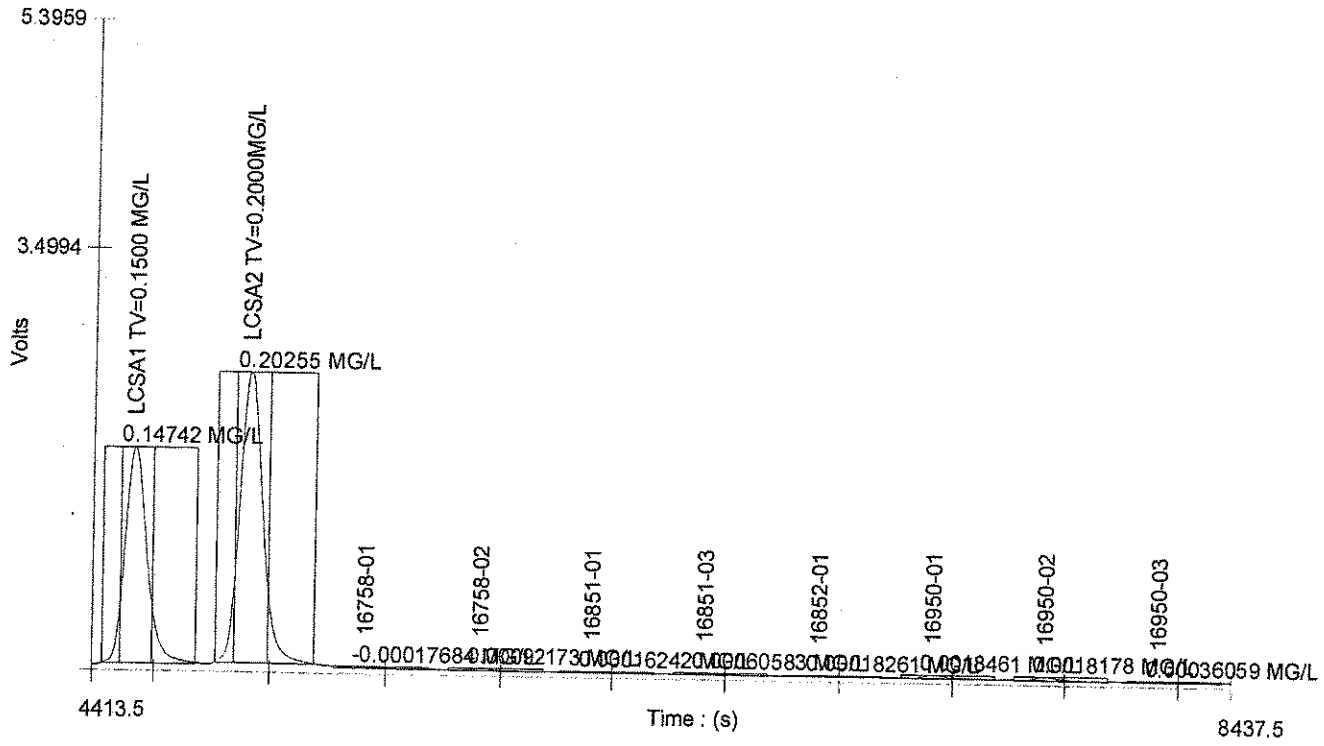
Channel 2 (Free CN) - Set: 1 / 4



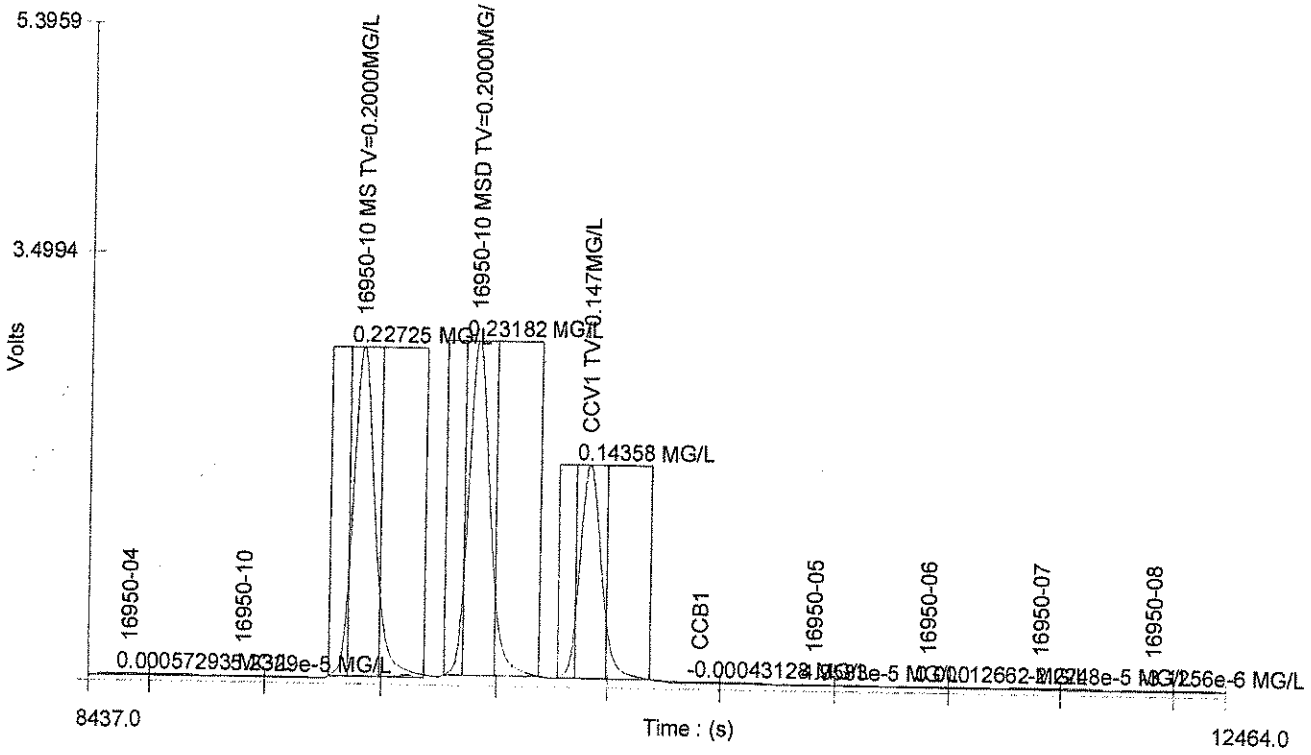
Lynatte Mashingaidze

Date : 6/2/2015

Channel 2 (Free CN) - Set: 2 / 4



Channel 2 (Free CN) - Set: 3 / 4



Lynatte Mashingaidze

Date : 6/2/2015

Channel 2 (Free CN) - Set: 4 / 4

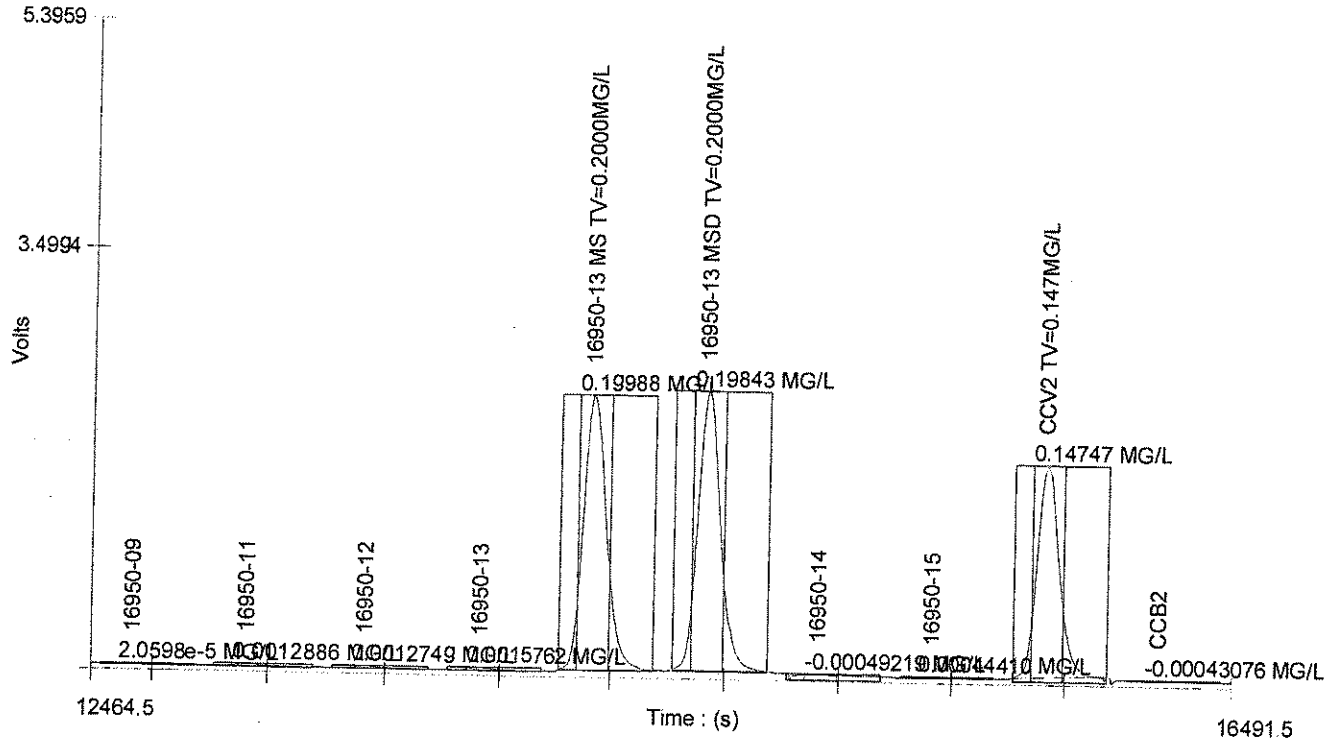
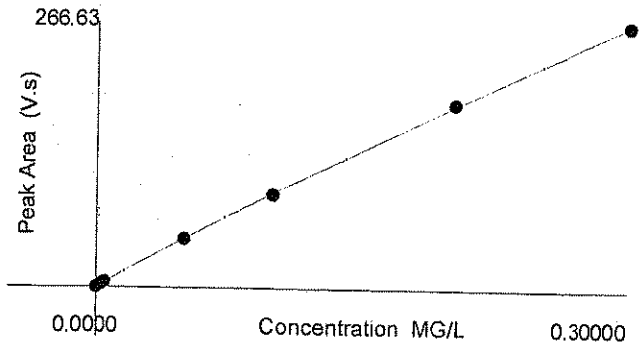


Table : 1 (Free Cyanide)

	Known Conc. (MG/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (MG/L)	Detection Date	Detection Time
1	0.30000	1	266.63	3.4405	0.0	0.2	0.29902	6/2/2015	4:43:24 PM
2	0.20000	1	186.65	2.4725	0.0	-0.7	0.20208	6/2/2015	4:50:07 PM
3	0.10000	1	95.009	1.2462	0.0	1.4	0.098561	6/2/2015	4:56:50 PM
4	0.050000	1	49.318	0.64054	0.0	-0.3	0.049961	6/2/2015	5:03:34 PM
5	0.0050000	1	5.4251	0.071512	0.0	-3.5	0.0051616	6/2/2015	5:10:18 PM
6	0.0030000	1	3.4038	0.048322	0.0	-4.5	0.0031432	6/2/2015	5:17:00 PM
7	0.0000	1	0.031097	0.0033935			-0.0002160 7	6/2/2015	5:23:43 PM

Figure : 1 (Free Cyanide)



Area = - 355.61 * Conc^2 + 996.20 * Conc + 0.27101
Conc = 4.8019e-7 * Area^2 + 0.00099436 * Area - 0.00024699
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Lynatte Mashingaidze

Date : 8/13/2015

Original Run Filename: OM_6-3-2015_05-51-22PM.OMN Created: 6/3/2015 5:51:22 PM
Original Run Author's Signature: [latchet2]
Current Run Filename: 060315LMCNF.omn Last Modified: 6/3/2015 10:37:33 PM
Current Run Author's Signature: [latchet2]
Description: Quik Chem 8500 series 2 serial # 101000001274

Sample	Rep.	Cup No.	Channel 2 Free Cyanide Conc. (MG/L)	Channel 2 Free Cyanide Area (V.s)	Detection Time	Description
0.3000 mg/l	1	S1	0.30000	277.37	6/3/2015@5:55:04 PM	
0.2000 mg/l	1	S2	0.20000	185.93	6/3/2015@6:01:47 PM	
0.1000 mg/l	1	S3	0.10000	95.703	6/3/2015@6:08:31 PM	
0.0500 mg/l	1	S4	0.050000	50.354	6/3/2015@6:15:14 PM	
0.00500 mg/l	1	S5	0.0050000	5.4456	6/3/2015@6:21:58 PM	
0.003000 mg/l	1	S6	0.0030000	2.6592	6/3/2015@6:28:40 PM	
0.000 mg/l blank	1	S7	0.0000	0.078223	6/3/2015@6:35:23 PM	
ICV TV=0.147 MG/L	1	1	0.15446	147.07	6/3/2015@6:42:07 PM	105.1
	Known Conc:		0.14700			
	Calibration:		Table/Fig. : 1			
ICB	1	2	-0.00018883	-0.14967	6/3/2015@6:48:51 PM	
	Known Conc:		0.0000			
RDLCHK TV=0.003000 MG/L	1	3	0.0027862	2.7994	6/3/2015@6:55:35 PM	92.9
LCSA1 TV=0.1500 MG/L	1	4	0.14921	142.25	6/3/2015@7:02:19 PM	99.5
	Known Conc:		0.15000			94.7
LCSA2 TV=0.2000MG/L	1	5	0.18941	178.77	6/3/2015@7:09:02 PM	
	Known Conc:		0.20000			
16950-16	1	6	-0.00054407	-0.50214	6/3/2015@7:15:46 PM	
16950-16 MS TV=0.2000MG/L	1	7	0.21842	204.70	6/3/2015@7:22.29 PM	109.2
16950-16 MSD TV=0.2000MG/L	1	8	0.22154	207.47	6/3/2015@7:29:13 PM	110.8) 1.47. rpd
16950-17	1	9	-0.00028259	-0.24270	6/3/2015@7:35:56 PM	
16950-18	1	10	0.00032188	0.35692	6/3/2015@7:42:39 PM	
16950-19	1	11	0.00032617	0.36117	6/3/2015@7:49.22 PM	
16950-20	1	12	-7.8288e-5	-0.040013	6/3/2015@7:56:04 PM	
16950-21	1	13	0.00017793	0.21415	6/3/2015@8:02:47 PM	
16950-22	1	14	0.00031207	0.34719	6/3/2015@8:09:30 PM	
16950-23	1	15	0.00056663	0.59966	6/3/2015@8:16:12 PM	
16950-24	1	16	0.0025187	2.5344	6/3/2015@8:22:56 PM	
16950-25	1	17	0.0026060	2.6209	6/3/2015@8:29:40 PM	
CCV1 TV=0.147MG/L	1	18	0.14609	139.39	6/3/2015@8:36:24 PM	99.4
	Known Conc:		0.14700			
CCB1	1	19	1.3751e-5	0.051291	6/3/2015@8:43:08 PM	
16950-26	1	20	0.0070673	7.0343	6/3/2015@8:49:52 PM	
16950-26 MS TV=0.2000MG/L	1	21	0.20055	188.77	6/3/2015@8:56:35 PM	96.7
16950-26 MSD TV=0.2000MG/L	1	22	0.19912	187.49	6/3/2015@9:03:19 PM	96.0) 0.79. rpd
16950-27	1	23	0.0027631	2.7764	6/3/2015@9:10:02 PM	
16950-28	1	24	0.0014799	1.5051	6/3/2015@9:16.45 PM	
16950-29	1	25	0.0015739	1.5982	6/3/2015@9:23:28 PM	
[redacted]	1	26	0.00067375	0.70588	6/3/2015@9:30:11 PM	
[redacted]	1	27	0.00034166	0.37654	6/3/2015@9:36:54 PM	
[redacted]	1	28	0.0024871	2.5031	6/3/2015@9:43:36 PM	
[redacted]	1	29	0.00033129	0.36626	6/3/2015@9:50.19 PM	
[redacted]	1	30	0.00042690	0.46107	6/3/2015@9:57:02 PM	
[redacted]	1	31	0.00018211	0.21830	6/3/2015@10:03:46 PM	
CCV2 TV=0.147MG/L	1	32	0.13400	128.25	6/3/2015@10:10:29 PM	91.17.
	Known Conc:		0.14700			
CCB2	1	33	-7.1030e-5	-0.032812	6/3/2015@10:17:14 PM	

Analyte Properties Table for : 060315LMCNF.omn

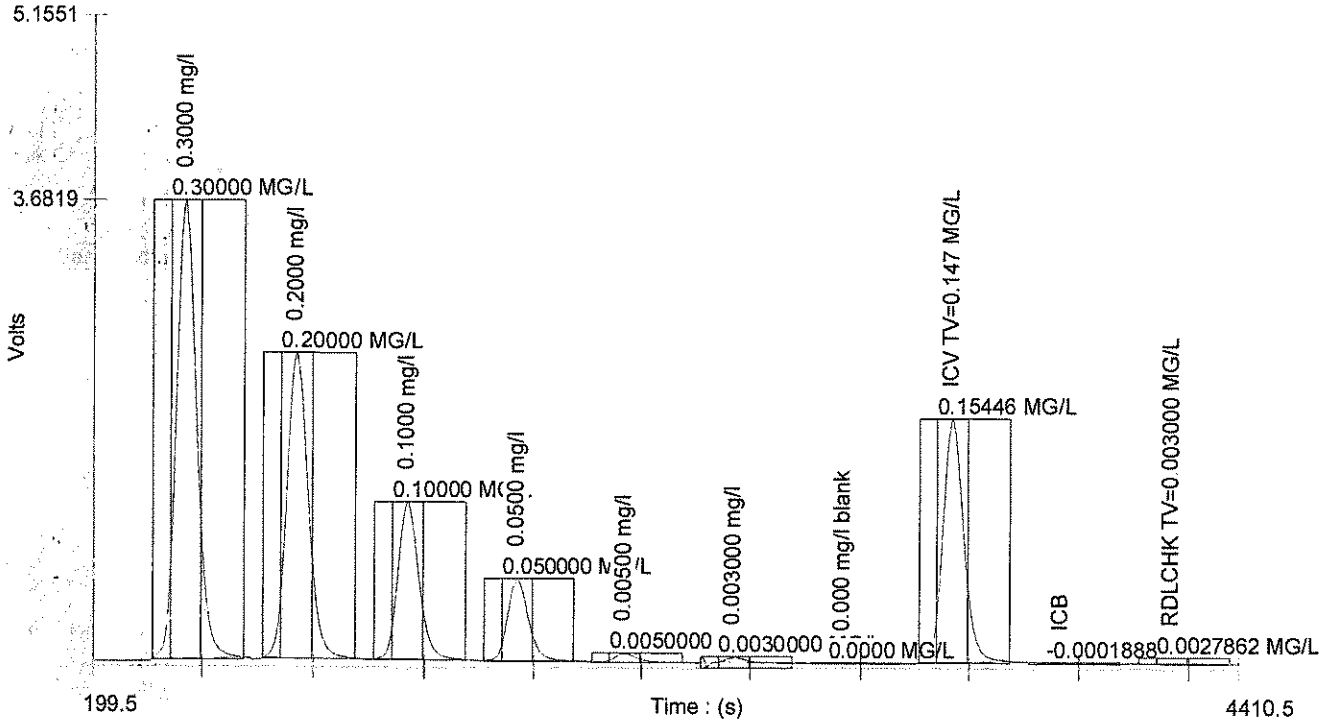
Property	Channel 2 Free Cyanide
Concentration Units	MG/L
Calibration Fit Type	Second Order
Clear Calibration	Yes
Force through Zero	No
Calibration Weighting	1/x

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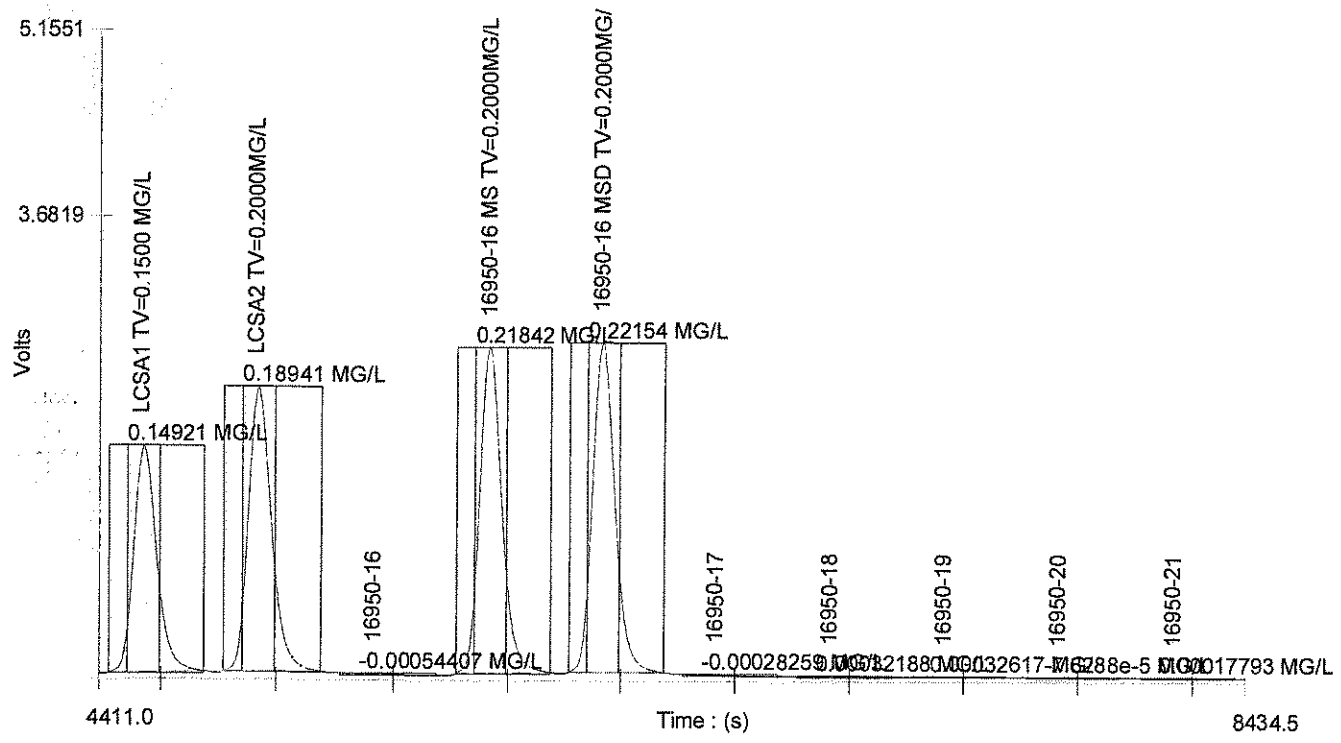
Date : 8/13/2015

Auto Dilution Trigger	No
% of High Standard	110
Quik Chem Method	10-204-00-5-C
Chemistry	Brackish
Calibration by Height	No
Inject to Peak Start	220
Peak Base Width	334

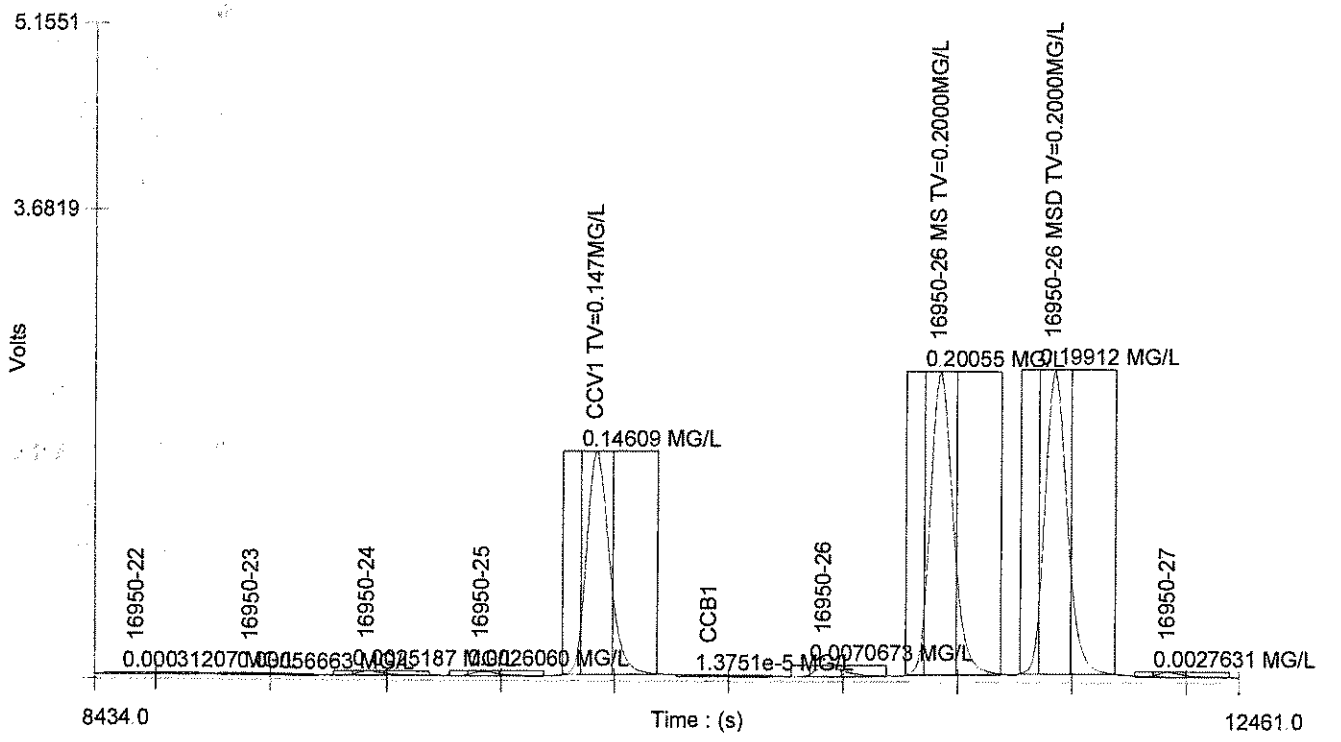
Channel 2 (Free CN) - Set: 1 / 4



Channel 2 (Free CN) - Set: 2 / 4



Channel 2 (Free CN) - Set: 3 / 4



Lynatte Mashingaidze

Date : 8/13/2015

Channel 2 (Free CN) - Set: 4 / 4

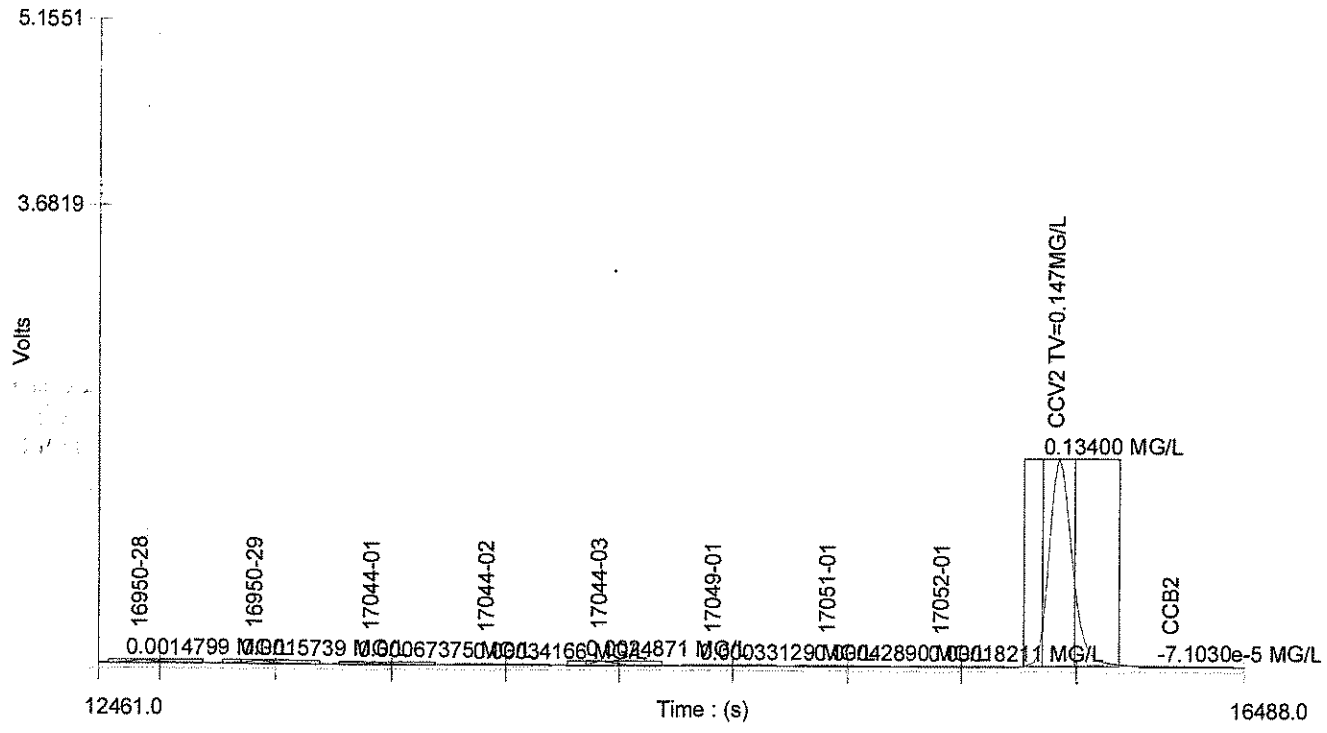
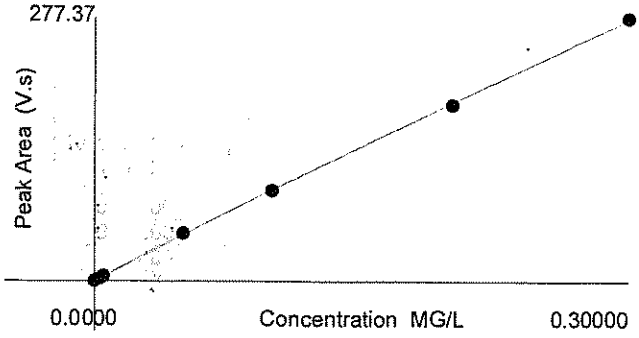


Table : 1 (Free Cyanide)

	Known Conc. (MG/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (MG/L)	Detection Date	Detection Time
1	0.30000	1	277.37	3.6467	0.0	-0.6	0.30180	6/3/2015	5:55:04 PM
2	0.20000	1	185.93	2.4276	0.0	1.3	0.19738	6/3/2015	6:01:47 PM
3	0.10000	1	95.703	1.2510	0.0	0.8	0.099082	6/3/2015	8:08:31 PM
4	0.050000	1	50.354	0.85570	0.0	-3.1	0.051454	6/3/2015	6:15:14 PM
5	0.0050000	1	5.4456	0.072652	0.0	-9.3	0.0054601	6/3/2015	6:21:58 PM
8	0.0030000	1	2.6592	0.044728	0.0	11.7	0.0026447	6/3/2015	6:28:40 PM
7	0.0000	1	0.078223	0.0058754			4.0901e-5	6/3/2015	6:35:23 PM

Figure : 1 (Free Cyanide)



Area = - 228.55 * Conc^2 + 987.44 * Conc + 0.050434
Conc = 2.8896e-7 * Area^2 + 0.0010081 * Area - 3.7954e-5
Correlation Coefficient (r) = 0.99999

Weighting : 1/x

Report Date:
11-Jun-15 07:17

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: P0972
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
P0972-01	SB-52-0-4-052615	Soil	26-May-15 09:45	28-May-15 12:22
P0972-02	SB-52-4-8-052615	Soil	26-May-15 09:54	28-May-15 12:22
P0972-03	SB-52-8-12-052615	Soil	26-May-15 10:00	28-May-15 12:22
P0972-04	SB-52-12-16-052615	Soil	26-May-15 10:13	28-May-15 12:22
P0972-05	SB-52-16-20-052615	Soil	26-May-15 10:27	28-May-15 12:22
P0972-06	SB-53-0-4-052615	Soil	26-May-15 10:56	28-May-15 12:22
P0972-07	SB-53A-4-8-052615	Soil	26-May-15 11:51	28-May-15 12:22
P0972-08	SB-54-0-4-052615	Soil	26-May-15 13:40	28-May-15 12:22
P0972-09	SB-55-0-4-052615	Soil	26-May-15 14:49	28-May-15 12:22
P0972-10	SB-55-4-8-052615	Soil	26-May-15 15:01	28-May-15 12:22
P0972-11	SB-55-8-12-052615	Soil	26-May-15 15:08	28-May-15 12:22
P0972-12	SB-55-12-16-052615	Soil	26-May-15 15:15	28-May-15 12:22
P0972-13	SB-55-16-20-052615	Soil	26-May-15 15:30	28-May-15 12:22
P0972-14	SB-56-0-4-052615	Soil	26-May-15 16:04	28-May-15 12:22
P0972-15	SB-56-4-8-052615	Soil	26-May-15 16:13	28-May-15 12:22
P0972-16	SB-56-8-12-052615	Soil	26-May-15 16:20	28-May-15 12:22
P0972-17	SB-56-12-16-052615	Soil	26-May-15 16:30	28-May-15 12:22

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
DoD ELAP
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0972

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-52-0-4-052615	P0972-01		SW8270_S		SW6010_S	SEE DATA
SB-52-0-4-052615	P0972-01				SW7471	
SB-52-4-8-052615	P0972-02		SW8270_S		SW6010_S	SEE DATA
SB-52-4-8-052615	P0972-02				SW7471	
SB-52-8-12-052615	P0972-03		SW8270_S		SW6010_S	SEE DATA
SB-52-8-12-052615	P0972-03				SW7471	
SB-52-12-16-052615	P0972-04		SW8270_S		SW6010_S	SEE DATA
SB-52-12-16-052615	P0972-04				SW7471	
SB-52-16-20-052615	P0972-05		SW8270_S		SW6010_S	SEE DATA
SB-52-16-20-052615	P0972-05				SW7471	
SB-53-0-4-052615	P0972-06		SW8270_S		SW6010_S	SEE DATA
SB-53-0-4-052615	P0972-06				SW7471	
SB-53A-4-8-052615	P0972-07		SW8270_S		SW6010_S	SEE DATA
SB-53A-4-8-052615	P0972-07				SW7471	
SB-54-0-4-052615	P0972-08		SW8270_S		SW6010_S	SEE DATA
SB-54-0-4-052615	P0972-08				SW7471	
SB-55-0-4-052615	P0972-09		SW8270_S		SW6010_S	SEE DATA
SB-55-0-4-052615	P0972-09				SW7471	
SB-55-4-8-052615	P0972-10		SW8270_S		SW6010_S	SEE DATA
SB-55-4-8-052615	P0972-10				SW7471	
SB-55-8-12-052615	P0972-11		SW8270_S		SW6010_S	SEE DATA
SB-55-8-12-052615	P0972-11				SW7471	
SB-55-12-16-052615	P0972-12		SW8270_S		SW6010_S	SEE DATA
SB-55-12-16-052615	P0972-12				SW7471	
SB-55-16-20-052615	P0972-13		SW8270_S		SW6010_S	SEE DATA
SB-55-16-20-052615	P0972-13				SW7471	
SB-56-0-4-052615	P0972-14					SEE DATA
SB-56-4-8-052615	P0972-15		SW8270_S		SW6010_S	SEE DATA
SB-56-4-8-052615	P0972-15				SW7471	
SB-56-8-12-052615	P0972-16		SW8270_S		SW6010_S	SEE DATA
SB-56-8-12-052615	P0972-16				SW7471	
SB-56-12-16-052615	P0972-17		SW8270_S		SW6010_S	SEE DATA
SB-56-12-16-052615	P0972-17				SW7471	

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** P0972

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					
P0972-01A	SL	5/26/2015	5/28/2015	6/1/2015	6/3/2015
P0972-02A	SL	5/26/2015	5/28/2015	6/1/2015	6/3/2015
P0972-03A	SL	5/26/2015	5/28/2015	6/1/2015	6/3/2015
P0972-04A	SL	5/26/2015	5/28/2015	6/1/2015	6/3/2015
P0972-05A	SL	5/26/2015	5/28/2015	6/1/2015	6/3/2015
P0972-06A	SL	5/26/2015	5/28/2015	6/1/2015	6/3/2015
P0972-07A	SL	5/26/2015	5/28/2015	6/1/2015	6/4/2015
P0972-08A	SL	5/26/2015	5/28/2015	6/1/2015	6/4/2015
P0972-09A	SL	5/26/2015	5/28/2015	6/1/2015	6/4/2015
P0972-10A	SL	5/26/2015	5/28/2015	6/1/2015	6/4/2015
P0972-11A	SL	5/26/2015	5/28/2015	6/1/2015	6/4/2015
P0972-12A	SL	5/26/2015	5/28/2015	6/1/2015	6/4/2015
P0972-13A	SL	5/26/2015	5/28/2015	6/1/2015	6/4/2015
P0972-15A	SL	5/26/2015	5/28/2015	6/1/2015	6/4/2015
P0972-16A	SL	5/26/2015	5/28/2015	6/1/2015	6/4/2015
P0972-17A	SL	5/26/2015	5/28/2015	6/1/2015	6/4/2015

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** P0972

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					
P0972-01A	SL	SW8270_S	3550B	N/A	1
P0972-02A	SL	SW8270_S	3550B	N/A	1
P0972-03A	SL	SW8270_S	3550B	N/A	1
P0972-04A	SL	SW8270_S	3550B	N/A	1
P0972-05A	SL	SW8270_S	3550B	N/A	1
P0972-06A	SL	SW8270_S	3550B	N/A	1
P0972-07A	SL	SW8270_S	3550B	N/A	1
P0972-08A	SL	SW8270_S	3550B	N/A	1
P0972-09A	SL	SW8270_S	3550B	N/A	1
P0972-10A	SL	SW8270_S	3550B	N/A	1
P0972-11A	SL	SW8270_S	3550B	N/A	1
P0972-12A	SL	SW8270_S	3550B	N/A	1
P0972-13A	SL	SW8270_S	3550B	N/A	1
P0972-15A	SL	SW8270_S	3550B	N/A	1
P0972-16A	SL	SW8270_S	3550B	N/A	1
P0972-17A	SL	SW8270_S	3550B	N/A	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** P0972

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
P0972-01A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-02A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-03A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-04A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-05A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-06A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-07A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-08A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-09A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-10A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-11A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-12A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-13A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-15A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-16A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-17A	SL	SW6010_S	5/28/2015	6/3/2015
P0972-17ADUP	SL	SW6010_S	5/28/2015	6/3/2015
P0972-17ADUP	SL	SW6010_S	5/28/2015	6/3/2015
P0972-17AMS	SL	SW6010_S	5/28/2015	6/3/2015
SW7471				
P0972-01A	SL	SW7471	5/28/2015	6/3/2015
P0972-02A	SL	SW7471	5/28/2015	6/3/2015
P0972-03A	SL	SW7471	5/28/2015	6/3/2015
P0972-04A	SL	SW7471	5/28/2015	6/3/2015
P0972-05A	SL	SW7471	5/28/2015	6/3/2015
P0972-06A	SL	SW7471	5/28/2015	6/3/2015
P0972-07A	SL	SW7471	5/28/2015	6/3/2015
P0972-08A	SL	SW7471	5/28/2015	6/3/2015
P0972-09A	SL	SW7471	5/28/2015	6/3/2015
P0972-10A	SL	SW7471	5/28/2015	6/3/2015
P0972-11A	SL	SW7471	5/28/2015	6/3/2015
P0972-12A	SL	SW7471	5/28/2015	6/3/2015
P0972-13A	SL	SW7471	5/28/2015	6/3/2015
P0972-15A	SL	SW7471	5/28/2015	6/3/2015
P0972-16A	SL	SW7471	5/28/2015	6/3/2015
P0972-17A	SL	SW7471	5/28/2015	6/3/2015
P0972-17ADUP	SL	SW7471	5/28/2015	6/3/2015
P0972-17AMS	SL	SW7471	5/28/2015	6/3/2015

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0972

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: Sample ID for 04 has been edited.

Case:
SDG:
PO: 91667

HC Due: 06/09/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0972-01A	SB-52-0-4-052615	05/26/2015 09:45	05/28/2015	Soil	PMoist	/					N4
P0972-01A	SB-52-0-4-052615	05/26/2015 09:45	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-01A	SB-52-0-4-052615	05/26/2015 09:45	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-01A	SB-52-0-4-052615	05/26/2015 09:45	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-01A	SB-52-0-4-052615	05/26/2015 09:45	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-01A	SB-52-0-4-052615	05/26/2015 09:45	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-02A	SB-52-4-8-052615	05/26/2015 09:54	05/28/2015	Soil	PMoist	/					N4
P0972-02A	SB-52-4-8-052615	05/26/2015 09:54	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-02A	SB-52-4-8-052615	05/26/2015 09:54	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-02A	SB-52-4-8-052615	05/26/2015 09:54	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-02A	SB-52-4-8-052615	05/26/2015 09:54	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-02A	SB-52-4-8-052615	05/26/2015 09:54	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-03A	SB-52-8-12-052615	05/26/2015 10:00	05/28/2015	Soil	PMoist	/					N4
P0972-03A	SB-52-8-12-052615	05/26/2015 10:00	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-03A	SB-52-8-12-052615	05/26/2015 10:00	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-03A	SB-52-8-12-052615	05/26/2015 10:00	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-03A	SB-52-8-12-052615	05/26/2015 10:00	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-03A	SB-52-8-12-052615	05/26/2015 10:00	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-04A	SB-52-12-16-052615	05/26/2015 10:13	05/28/2015	Soil	PMoist	/					N4
P0972-04A	SB-52-12-16-052615	05/26/2015 10:13	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-04A	SB-52-12-16-052615	05/26/2015 10:13	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-04A	SB-52-12-16-052615	05/26/2015 10:13	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-04A	SB-52-12-16-052615	05/26/2015 10:13	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-04A	SB-52-12-16-052615	05/26/2015 10:13	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

06/01/2015 11:29

Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0972

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: Sample ID for 04 has been edited.

Case:
SDG:
PO: 91667

HC Due: 06/09/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0972-05A	SB-52-16-20-052615	05/26/2015 10:27	05/28/2015	Soil	PMoist	/					N4
P0972-05A	SB-52-16-20-052615	05/26/2015 10:27	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-05A	SB-52-16-20-052615	05/26/2015 10:27	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-05A	SB-52-16-20-052615	05/26/2015 10:27	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-05A	SB-52-16-20-052615	05/26/2015 10:27	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-05A	SB-52-16-20-052615	05/26/2015 10:27	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-06A	SB-53-0-4-052615	05/26/2015 10:56	05/28/2015	Soil	PMoist	/					N4
P0972-06A	SB-53-0-4-052615	05/26/2015 10:56	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-06A	SB-53-0-4-052615	05/26/2015 10:56	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-06A	SB-53-0-4-052615	05/26/2015 10:56	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-06A	SB-53-0-4-052615	05/26/2015 10:56	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-06A	SB-53-0-4-052615	05/26/2015 10:56	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-07A	SB-53A-4-8-052615	05/26/2015 11:51	05/28/2015	Soil	PMoist	/					N4
P0972-07A	SB-53A-4-8-052615	05/26/2015 11:51	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-07A	SB-53A-4-8-052615	05/26/2015 11:51	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-07A	SB-53A-4-8-052615	05/26/2015 11:51	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-07A	SB-53A-4-8-052615	05/26/2015 11:51	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-07A	SB-53A-4-8-052615	05/26/2015 11:51	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-08A	SB-54-0-4-052615	05/26/2015 13:40	05/28/2015	Soil	PMoist	/					N4
P0972-08A	SB-54-0-4-052615	05/26/2015 13:40	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-08A	SB-54-0-4-052615	05/26/2015 13:40	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-08A	SB-54-0-4-052615	05/26/2015 13:40	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-08A	SB-54-0-4-052615	05/26/2015 13:40	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-08A	SB-54-0-4-052615	05/26/2015 13:40	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0972

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: Sample ID for 04 has been edited.

Case:
SDG:
PO: 91667

HC Due: 06/09/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0972-09A	SB-55-0-4-052615	05/26/2015 14:49	05/28/2015	Soil	PMoist	/					N4
P0972-09A	SB-55-0-4-052615	05/26/2015 14:49	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-09A	SB-55-0-4-052615	05/26/2015 14:49	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-09A	SB-55-0-4-052615	05/26/2015 14:49	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-09A	SB-55-0-4-052615	05/26/2015 14:49	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-09A	SB-55-0-4-052615	05/26/2015 14:49	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-10A	SB-55-4-8-052615	05/26/2015 15:01	05/28/2015	Soil	PMoist	/					N4
P0972-10A	SB-55-4-8-052615	05/26/2015 15:01	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-10A	SB-55-4-8-052615	05/26/2015 15:01	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-10A	SB-55-4-8-052615	05/26/2015 15:01	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-10A	SB-55-4-8-052615	05/26/2015 15:01	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-10A	SB-55-4-8-052615	05/26/2015 15:01	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-11A	SB-55-8-12-052615	05/26/2015 15:08	05/28/2015	Soil	PMoist	/					N4
P0972-11A	SB-55-8-12-052615	05/26/2015 15:08	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-11A	SB-55-8-12-052615	05/26/2015 15:08	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-11A	SB-55-8-12-052615	05/26/2015 15:08	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-11A	SB-55-8-12-052615	05/26/2015 15:08	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-11A	SB-55-8-12-052615	05/26/2015 15:08	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-12A	SB-55-12-16-052615	05/26/2015 15:15	05/28/2015	Soil	PMoist	/					N4
P0972-12A	SB-55-12-16-052615	05/26/2015 15:15	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-12A	SB-55-12-16-052615	05/26/2015 15:15	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-12A	SB-55-12-16-052615	05/26/2015 15:15	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-12A	SB-55-12-16-052615	05/26/2015 15:15	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-12A	SB-55-12-16-052615	05/26/2015 15:15	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4

HF = Fraction logged in but all tests have been placed on hold

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0972

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: Sample ID for 04 has been edited.

Case:
SDG:
PO: 91667

HC Due: 06/09/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0972-13A	SB-55-16-20-052615	05/26/2015 15:30	05/28/2015	Soil	PMoist	/					N4
P0972-13A	SB-55-16-20-052615	05/26/2015 15:30	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-13A	SB-55-16-20-052615	05/26/2015 15:30	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-13A	SB-55-16-20-052615	05/26/2015 15:30	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-13A	SB-55-16-20-052615	05/26/2015 15:30	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-13A	SB-55-16-20-052615	05/26/2015 15:30	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-14A	SB-56-0-4-052615	05/26/2015 16:04	05/28/2015	Soil	PMoist	/					N4
P0972-14A	SB-56-0-4-052615	05/26/2015 16:04	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-14A	SB-56-0-4-052615	05/26/2015 16:04	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-15A	SB-56-4-8-052615	05/26/2015 16:13	05/28/2015	Soil	PMoist	/					N4
P0972-15A	SB-56-4-8-052615	05/26/2015 16:13	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-15A	SB-56-4-8-052615	05/26/2015 16:13	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-15A	SB-56-4-8-052615	05/26/2015 16:13	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-15A	SB-56-4-8-052615	05/26/2015 16:13	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-15A	SB-56-4-8-052615	05/26/2015 16:13	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-16A	SB-56-8-12-052615	05/26/2015 16:20	05/28/2015	Soil	PMoist	/					N4
P0972-16A	SB-56-8-12-052615	05/26/2015 16:20	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-16A	SB-56-8-12-052615	05/26/2015 16:20	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4
P0972-16A	SB-56-8-12-052615	05/26/2015 16:20	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-16A	SB-56-8-12-052615	05/26/2015 16:20	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-16A	SB-56-8-12-052615	05/26/2015 16:20	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4
P0972-17A	SB-56-12-16-052615	05/26/2015 16:30	05/28/2015	Soil	PMoist	/					N4
P0972-17A	SB-56-12-16-052615	05/26/2015 16:30	05/28/2015	Soil	SW6010_S	/ TAL				Y	N4
P0972-17A	SB-56-12-16-052615	05/26/2015 16:30	05/28/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					N4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0972

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: Sample ID for 04 has been edited.

Case:
SDG:
PO: 91667

HC Due: 06/09/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0972-17A	SB-56-12-16-052615	05/26/2015 16:30	05/28/2015	Soil	SW7471	/ TAL					N4
P0972-17A	SB-56-12-16-052615	05/26/2015 16:30	05/28/2015	Soil	SW8270_S	/				Y	N4
P0972-17A	SB-56-12-16-052615	05/26/2015 16:30	05/28/2015	Soil	SW9012_S	/ SPECTRUM--					N4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: P0972

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3550B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S3
Instrument Type: GCMS-SEMI

Description: HP6890 / HP5973
Manufacturer: Hewlett-Packard
Model: 6890 / 5973

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits.

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes

are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

Manual integrations were performed on the following:

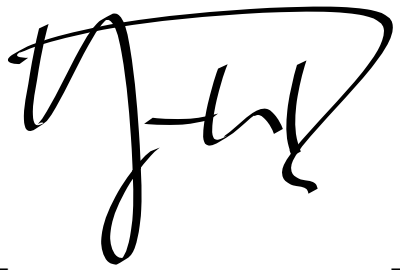
SB-52-0-4-052615 (P0972-01A) Benzo(k)fluoranthene due to M2

SB-52-8-12-052615 (P0972-03A) Benzo(k)fluoranthene due to M2

SB-53-0-4-052615 (P0972-06A) Benzo(k)fluoranthene due to M2

SB-54-0-4-052615 (P0972-08A) Benzo(k)fluoranthene due to M2

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____6/10/2015_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-52-0-4-052615

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-01A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4034.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/03/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	310	J
129-00-0	Pyrene	260	J
56-55-3	Benzo(a)anthracene	170	J
218-01-9	Chrysene	200	J
205-99-2	Benzo(b)fluoranthene	230	J
207-08-9	Benzo(k)fluoranthene	99	J
50-32-8	Benzo(a)pyrene	150	J
193-39-5	Indeno(1,2,3-cd)pyrene	110	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	140	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-52-4-8-052615

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-02A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4035.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 8.3 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/03/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
86-73-7	Fluorene	360	U
87-86-5	Pentachlorophenol	730	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-52-8-12-052615

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-03A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4036.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/03/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	99	J
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	660	
120-12-7	Anthracene	170	J
206-44-0	Fluoranthene	680	
129-00-0	Pyrene	560	
56-55-3	Benzo(a)anthracene	320	J
218-01-9	Chrysene	350	J
205-99-2	Benzo(b)fluoranthene	330	J
207-08-9	Benzo(k)fluoranthene	140	J
50-32-8	Benzo(a)pyrene	250	J
193-39-5	Indeno(1,2,3-cd)pyrene	150	J
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	150	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-52-12-16-0526 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-04A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4037.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/03/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
95-48-7	2-Methylphenol	440	U
106-44-5	4-Methylphenol	440	U
91-20-3	Naphthalene	440	U
208-96-8	Acenaphthylene	440	U
83-32-9	Acenaphthene	440	U
86-73-7	Fluorene	440	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
206-44-0	Fluoranthene	440	U
129-00-0	Pyrene	440	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	440	U
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-52-16-20-0526 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-05A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4038.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/03/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
95-48-7	2-Methylphenol	430	U
106-44-5	4-Methylphenol	430	U
91-20-3	Naphthalene	430	U
208-96-8	Acenaphthylene	430	U
83-32-9	Acenaphthene	430	U
86-73-7	Fluorene	430	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-53-0-4-052615

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-06A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4039.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 15 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/03/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	790	
120-12-7	Anthracene	240	J
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1100	
56-55-3	Benzo(a)anthracene	710	
218-01-9	Chrysene	660	
205-99-2	Benzo(b)fluoranthene	830	
207-08-9	Benzo(k)fluoranthene	360	J
50-32-8	Benzo(a)pyrene	590	
193-39-5	Indeno(1,2,3-cd)pyrene	460	
53-70-3	Dibenzo(a,h)anthracene	120	J
191-24-2	Benzo(g,h,i)perylene	420	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-53A-4-8-052615

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-07A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4040.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 45 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	600	U
95-48-7	2-Methylphenol	600	U
106-44-5	4-Methylphenol	600	U
91-20-3	Naphthalene	380	J
208-96-8	Acenaphthylene	600	U
83-32-9	Acenaphthene	600	U
86-73-7	Fluorene	600	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	900	
120-12-7	Anthracene	600	U
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	160	J
56-55-3	Benzo(a)anthracene	170	J
218-01-9	Chrysene	220	J
205-99-2	Benzo(b)fluoranthene	600	U
207-08-9	Benzo(k)fluoranthene	600	U
50-32-8	Benzo(a)pyrene	600	U
193-39-5	Indeno(1,2,3-cd)pyrene	600	U
53-70-3	Dibenzo(a,h)anthracene	600	U
191-24-2	Benzo(g,h,i)perylene	600	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-54-0-4-052615

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-08A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4041.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 29 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	460	U
95-48-7	2-Methylphenol	460	U
106-44-5	4-Methylphenol	460	U
91-20-3	Naphthalene	550	
208-96-8	Acenaphthylene	460	U
83-32-9	Acenaphthene	160	J
86-73-7	Fluorene	460	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	460	U
206-44-0	Fluoranthene	240	J
129-00-0	Pyrene	180	J
56-55-3	Benzo(a)anthracene	150	J
218-01-9	Chrysene	170	J
205-99-2	Benzo(b)fluoranthene	190	J
207-08-9	Benzo(k)fluoranthene	95	J
50-32-8	Benzo(a)pyrene	140	J
193-39-5	Indeno(1,2,3-cd)pyrene	100	J
53-70-3	Dibenzo(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-55-0-4-052615

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-09A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4042.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 29 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
95-48-7	2-Methylphenol	450	U
106-44-5	4-Methylphenol	450	U
91-20-3	Naphthalene	450	U
208-96-8	Acenaphthylene	450	U
83-32-9	Acenaphthene	450	U
86-73-7	Fluorene	450	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	450	U
120-12-7	Anthracene	450	U
206-44-0	Fluoranthene	96	J
129-00-0	Pyrene	450	U
56-55-3	Benzo(a)anthracene	450	U
218-01-9	Chrysene	450	U
205-99-2	Benzo(b)fluoranthene	96	J
207-08-9	Benzo(k)fluoranthene	450	U
50-32-8	Benzo(a)pyrene	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
53-70-3	Dibenzo(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	450	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-55-4-8-052615

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-10A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4043.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 69 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1100	U
95-48-7	2-Methylphenol	1100	U
106-44-5	4-Methylphenol	1100	U
91-20-3	Naphthalene	1100	U
208-96-8	Acenaphthylene	1100	U
83-32-9	Acenaphthene	1100	U
86-73-7	Fluorene	1100	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
206-44-0	Fluoranthene	1100	U
129-00-0	Pyrene	1100	U
56-55-3	Benzo(a)anthracene	1100	U
218-01-9	Chrysene	1100	U
205-99-2	Benzo(b)fluoranthene	1100	U
207-08-9	Benzo(k)fluoranthene	1100	U
50-32-8	Benzo(a)pyrene	1100	U
193-39-5	Indeno(1,2,3-cd)pyrene	1100	U
53-70-3	Dibenzo(a,h)anthracene	1100	U
191-24-2	Benzo(g,h,i)perylene	1100	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-55-8-12-052615

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-11A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4044.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-55-12-16-0526 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-12A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4045.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-55-16-20-0526 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-13A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4046.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-56-4-8-052615

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-15A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4047.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 58 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	770	U
95-48-7	2-Methylphenol	770	U
106-44-5	4-Methylphenol	770	U
91-20-3	Naphthalene	770	U
208-96-8	Acenaphthylene	770	U
83-32-9	Acenaphthene	770	U
86-73-7	Fluorene	770	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	770	U
120-12-7	Anthracene	770	U
206-44-0	Fluoranthene	770	U
129-00-0	Pyrene	770	U
56-55-3	Benzo(a)anthracene	770	U
218-01-9	Chrysene	770	U
205-99-2	Benzo(b)fluoranthene	770	U
207-08-9	Benzo(k)fluoranthene	770	U
50-32-8	Benzo(a)pyrene	770	U
193-39-5	Indeno(1,2,3-cd)pyrene	770	U
53-70-3	Dibenzo(a,h)anthracene	770	U
191-24-2	Benzo(g,h,i)perylene	770	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-56-8-12-052615

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-16A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4048.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	420	U
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-56-12-16-0526 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0972-17A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4049.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/28/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	420	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-82302

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-82302

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4025.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/03/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-82302

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-82302

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4026.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/03/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2700	
95-48-7	2-Methylphenol	2700	
106-44-5	4-Methylphenol	2800	
91-20-3	Naphthalene	2500	
208-96-8	Acenaphthylene	2600	
83-32-9	Acenaphthene	2500	
86-73-7	Fluorene	2500	
87-86-5	Pentachlorophenol	2800	
85-01-8	Phenanthrene	2600	
120-12-7	Anthracene	2600	
206-44-0	Fluoranthene	2400	
129-00-0	Pyrene	2700	
56-55-3	Benzo(a)anthracene	2700	
218-01-9	Chrysene	2500	
205-99-2	Benzo(b)fluoranthene	2400	
207-08-9	Benzo(k)fluoranthene	2700	
50-32-8	Benzo(a)pyrene	2600	
193-39-5	Indeno(1,2,3-cd)pyrene	2800	
53-70-3	Dibenzo(a,h)anthracene	2700	
191-24-2	Benzo(g,h,i)perylene	2800	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSD-82302

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-82302

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4027.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/03/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2500	
95-48-7	2-Methylphenol	2500	
106-44-5	4-Methylphenol	2600	
91-20-3	Naphthalene	2300	
208-96-8	Acenaphthylene	2400	
83-32-9	Acenaphthene	2400	
86-73-7	Fluorene	2400	
87-86-5	Pentachlorophenol	2600	
85-01-8	Phenanthrene	2500	
120-12-7	Anthracene	2500	
206-44-0	Fluoranthene	2300	
129-00-0	Pyrene	2400	
56-55-3	Benzo(a)anthracene	2500	
218-01-9	Chrysene	2600	
205-99-2	Benzo(b)fluoranthene	2400	
207-08-9	Benzo(k)fluoranthene	2300	
50-32-8	Benzo(a)pyrene	2400	
193-39-5	Indeno(1,2,3-cd)pyrene	2700	
53-70-3	Dibenzo(a,h)anthracene	2500	
191-24-2	Benzo(g,h,i)perylene	2600	

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-82302	78	83	83	85	91	83			0
02	LCS-82302	80	78	86	85	92	84			0
03	LCSD-82302	75	75	77	80	87	83			0
04	SB-52-0-4-052615	57	59	57	55	62	58			0
05	SB-52-4-8-052615	63	67	66	64	70	64			0
06	SB-52-8-12-052615	55	59	56	56	63	58			0
07	SB-52-12-16-052615	53	57	54	56	62	56			0
08	SB-52-16-20-052615	62	65	60	62	69	68			0
09	SB-53-0-4-052615	52	57	57	57	60	60			0
10	SB-53A-4-8-052615	68	70	63	69	73	62			0
11	SB-54-0-4-052615	67	72	69	69	76	74			0
12	SB-55-0-4-052615	51	57	58	51	54	52			0
13	SB-55-4-8-052615	62	67	63	64	69	67			0
14	SB-55-8-12-052615	56	61	58	56	63	63			0
15	SB-55-12-16-052615	51	55	53	52	59	58			0
16	SB-55-16-20-052615	58	63	61	62	68	63			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
17	SB-56-4-8-052615	64	67	65	68	75	71			0
18	SB-56-8-12-052615	60	63	64	63	69	68			0
19	SB-56-12-16-052615	57	62	59	58	63	60			0

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(35-100)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH)	= Terphenyl-d14	(30-125)
SDMC4	(PHL)	= Phenol-d5	(40-100)
SDMC5	(2FP)	= 2-Fluorophenol	(35-105)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-82302

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Lab Sample ID: LCS-82302 LCS Lot No.: A0104828

Date Extracted: 06/01/2015 Date Analyzed (1): 06/03/2015

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2736.4223	82		40 - 100
2-Methylphenol	3333.0000	0.0000	2688.1947	81		40 - 105
4-Methylphenol	3333.0000	0.0000	2756.3953	83		40 - 105
Naphthalene	3333.0000	0.0000	2492.4760	75		40 - 105
Acenaphthylene	3333.0000	0.0000	2565.6323	77		45 - 105
Acenaphthene	3333.0000	0.0000	2469.4665	74		45 - 110
Fluorene	3333.0000	0.0000	2480.4255	74		50 - 110
Pentachlorophenol	3333.0000	0.0000	2766.5313	83		25 - 120
Phenanthrene	3333.0000	0.0000	2608.2862	78		50 - 110
Anthracene	3333.0000	0.0000	2576.7356	77		55 - 105
Fluoranthene	3333.0000	0.0000	2385.1091	72		55 - 115
Pyrene	3333.0000	0.0000	2696.0474	81		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2675.1218	80		50 - 110
Chrysene	3333.0000	0.0000	2540.6118	76		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2448.4496	73		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2691.9247	81		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2627.8573	79		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	2763.4877	83		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2730.6243	82		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	2841.7016	85		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.
LCSD-82302

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Lab Sample ID: LCSD-82302 LCS Lot No.: A0104828

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	3333.0000	2548.3849	76		8		40	40 - 100
2-Methylphenol	3333.0000	2513.9552	75		8		40	40 - 105
4-Methylphenol	3333.0000	2567.2245	77		8		40	40 - 105
Naphthalene	3333.0000	2287.5585	69		8		40	40 - 105
Acenaphthylene	3333.0000	2405.5755	72		7		40	45 - 105
Acenaphthene	3333.0000	2390.4719	72		3		40	45 - 110
Fluorene	3333.0000	2394.3343	72		3		40	50 - 110
Pentachlorophenol	3333.0000	2564.0708	77		8		40	25 - 120
Phenanthrene	3333.0000	2543.6579	76		3		40	50 - 110
Anthracene	3333.0000	2510.1789	75		3		40	55 - 105
Fluoranthene	3333.0000	2325.9078	70		3		40	55 - 115
Pyrene	3333.0000	2420.4683	73		10		40	45 - 125
Benzo(a)anthracene	3333.0000	2451.3554	74		8		40	50 - 110
Chrysene	3333.0000	2596.8546	78		3		40	55 - 110
Benzo(b)fluoranthene	3333.0000	2445.1427	73		0		40	45 - 115
Benzo(k)fluoranthene	3333.0000	2333.8111	70		15		40	45 - 125
Benzo(a)pyrene	3333.0000	2449.1507	73		8		40	50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	2659.2496	80		4		40	40 - 120
Dibenzo(a,h)anthracene	3333.0000	2548.4765	76		8		40	40 - 125
Benzo(g,h,i)perylene	3333.0000	2623.7549	79		7		40	40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-82302

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Lab File ID: S3J4025.D Lab Sample ID: MB-82302

Instrument ID: S3 Date Extracted: 06/01/2015

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 06/03/2015

Level: (LOW/MED) LOW Time Analyzed: 18:03

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-82302	LCS-82302	S3J4026.D	06/03/2015
02	LCSD-82302	LCSD-82302	S3J4027.D	06/03/2015
03	SB-52-0-4-052615	P0972-01A	S3J4034.D	06/03/2015
04	SB-52-4-8-052615	P0972-02A	S3J4035.D	06/03/2015
05	SB-52-8-12-052615	P0972-03A	S3J4036.D	06/03/2015
06	SB-52-12-16-052615	P0972-04A	S3J4037.D	06/03/2015
07	SB-52-16-20-052615	P0972-05A	S3J4038.D	06/03/2015
08	SB-53-0-4-052615	P0972-06A	S3J4039.D	06/03/2015
09	SB-53A-4-8-052615	P0972-07A	S3J4040.D	06/04/2015
10	SB-54-0-4-052615	P0972-08A	S3J4041.D	06/04/2015
11	SB-55-0-4-052615	P0972-09A	S3J4042.D	06/04/2015
12	SB-55-4-8-052615	P0972-10A	S3J4043.D	06/04/2015
13	SB-55-8-12-052615	P0972-11A	S3J4044.D	06/04/2015
14	SB-55-12-16-052615	P0972-12A	S3J4045.D	06/04/2015
15	SB-55-16-20-052615	P0972-13A	S3J4046.D	06/04/2015
16	SB-56-4-8-052615	P0972-15A	S3J4047.D	06/04/2015
17	SB-56-8-12-052615	P0972-16A	S3J4048.D	06/04/2015

COMMENTS:

4C - FORM IV SV
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
MB-82302

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

Lab File ID: S3J4025.D Lab Sample ID: MB-82302

Instrument ID: S3 Date Extracted: 06/01/2015

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 06/03/2015

Level: (LOW/MED) LOW Time Analyzed: 18:03

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

18	SB-56-12-16-052615	P0972-17A	S3J4049.D	06/04/2015

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253T Date Analyzed: 06/03/2015

Lab File ID (Standard): S3J4021.D Time Analyzed: 16:21

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	58176		3.527		251052		5.45		139541		7.288	
	UPPER LIMIT	116352		4.027		502104		5.95		279082		7.788	
	LOWER LIMIT	29088		3.027		125526		4.95		69771		6.788	
	EPA SAMPLE NO.												
01	MB-82302	72461		3.529		302941		5.447		154740		7.285	
02	LCS-82302	78595		3.530		327865		5.448		173018		7.291	
03	LCSD-82302	78284		3.530		324203		5.453		170429		7.291	
04	SB-52-0-4-052615	89056		3.535		360213		5.458		184955		7.296	
05	SB-52-4-8-052615	89326		3.540		370733		5.463		186752		7.301	
06	SB-52-8-12-052615	88743		3.537		362166		5.461		182130		7.298	
07	SB-52-12-16-052615	89396		3.537		377398		5.460		194001		7.298	
08	SB-52-16-20-052615	89837		3.538		363620		5.461		182903		7.298	
09	SB-53-0-4-052615	85891		3.537		364211		5.460		189550		7.298	
10	SB-53A-4-8-052615	94366		3.539		390311		5.462		198968		7.300	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253T Date Analyzed: 06/03/2015

Lab File ID (Standard): S3J4021.D Time Analyzed: 16:21

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	58176		3.527		251052		5.45		139541		7.288	
	UPPER LIMIT	116352		4.027		502104		5.95		279082		7.788	
	LOWER LIMIT	29088		3.027		125526		4.95		69771		6.788	
	EPA SAMPLE NO.												
11	SB-54-0-4-052615	88446		3.542		366520		5.460		185191		7.298	
12	SB-55-0-4-052615	88188		3.538		366114		5.461		190523		7.299	
13	SB-55-4-8-052615	88730		3.538		360647		5.461		184469		7.299	
14	SB-55-8-12-052615	91222		3.540		377671		5.458		191508		7.295	
15	SB-55-12-16-052615	96084		3.539		398886		5.462		202758		7.299	
16	SB-55-16-20-052615	95204		3.537		395409		5.460		202542		7.298	
17	SB-56-4-8-052615	98156		3.538		411388		5.461		210421		7.299	
18	SB-56-8-12-052615	94287		3.537		398529		5.460		205339		7.298	
19	SB-56-12-16-052615	92080		3.538		377518		5.461		192873		7.299	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

EPA Sample No.(SSTD020##) SSTD0253T Date Analyzed: 06/03/2015

Lab File ID (Standard): S3J4021.D Time Analyzed: 16:21

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	232785		8.57		211437		10.755		232273		12.245	
	UPPER LIMIT	465570		9.07		422874		11.255		464546		12.745	
	LOWER LIMIT	116393		8.07		105719		10.255		116137		11.745	
	EPA SAMPLE NO.												
01	MB-82302	249053		8.567		211449		10.746		206104		12.242	
02	LCS-82302	271000		8.573		206502		10.753		222164		12.243	
03	LCSD-82302	260907		8.573		220434		10.753		247778		12.248	
04	SB-52-0-4-052615	296124		8.578		261699		10.763		266273		12.280	
05	SB-52-4-8-052615	314943		8.583		290816		10.768		302226		12.285	
06	SB-52-8-12-052615	291937		8.586		268712		10.771		284806		12.283	
07	SB-52-12-16-052615	316938		8.585		290260		10.770		291521		12.282	
08	SB-52-16-20-052615	290601		8.581		273206		10.771		284862		12.283	
09	SB-53-0-4-052615	320563		8.580		282815		10.770		296542		12.287	
10	SB-53A-4-8-052615	326648		8.588		299205		10.773		310922		12.295	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0972 Mod. Ref No.: SDG No.: SP0972

EPA Sample No.(SSTD020##) SSTD0253T Date Analyzed: 06/03/2015

Lab File ID (Standard): S3J4021.D Time Analyzed: 16:21

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	232785		8.57		211437		10.755		232273		12.245	
	UPPER LIMIT	465570		9.07		422874		11.255		464546		12.745	
	LOWER LIMIT	116393		8.07		105719		10.255		116137		11.745	
	EPA SAMPLE NO.												
11	SB-54-0-4-052615	302508		8.585		277305		10.770		290676		12.287	
12	SB-55-0-4-052615	313192		8.581		295815		10.771		308363		12.283	
13	SB-55-4-8-052615	306003		8.581		279097		10.771		291292		12.283	
14	SB-55-8-12-052615	298435		8.583		296636		10.768		303266		12.285	
15	SB-55-12-16-052615	326481		8.582		309749		10.767		322558		12.284	
16	SB-55-16-20-052615	333130		8.585		301178		10.770		303345		12.282	
17	SB-56-4-8-052615	344317		8.581		311890		10.766		326025		12.283	
18	SB-56-8-12-052615	333740		8.580		312351		10.770		325670		12.282	
19	SB-56-12-16-052615	311137		8.581		297137		10.766		308572		12.283	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: P0972

SW846 6010C, SW846 7471B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test codes: SW846 6010C, SW846 7471B

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3050B
Soil Samples were prepared following procedures in laboratory test code: SW7471B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: FIMS2
Instrument Type: CVAA
Description: FIMS
Manufacturer: Perkin-Elmer
Model: FIMS100

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on sample: SB-56-12-16-052615 (P0972-17AMS).

Percent recoveries were within the QC limits with the following exceptions:

SB-56-12-16-052615 (P0972-17AMS), recovery is below criteria for Antimony at 62% with criteria of (80-120).

D. Post Digestion Spike (PDS):

Post-digestion spike analysis was performed on sample: SB-56-12-16-052615 (P0972-17APDS).

SB-56-12-16-052615 (P0972-17APDS) for Antimony due to recovery of this element outside of QC limits in the matrix spike.

E. Duplicate sample:

Duplicate analyses were performed on sample: SB-56-12-16-052615 (P0972-17ADUP).

Relative percent differences were within the QC limits with the following exceptions:

SB-56-12-16-052615 (P0972-17ADUP), Duplicate analysis not within control limit for Arsenic, Beryllium, Calcium, Chromium and Potassium.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on sample: SB-56-12-16-052615 (P0972-17ASD).

Percent differences were within the QC limits with the exception of the following:

SB-56-12-16-052615 (P0972-17ASD), Serial Dilution analysis not within control limit for Arsenic.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 06/09/2015

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-52-0-4-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-01

Level (low/med): MED Date Received: 05/28/2015

% Solids: 82.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8130			P
7440-36-0	Antimony	0.43	B	N	P
7440-38-2	Arsenic	8.7		*E	P
7440-39-3	Barium	68.5			P
7440-41-7	Beryllium	0.69		*	P
7440-43-9	Cadmium	0.57			P
7440-70-2	Calcium	65000		*	P
7440-47-3	Chromium	14.7		*	P
7440-48-4	Cobalt	7.2			P
7440-50-8	Copper	26.7			P
7439-89-6	Iron	17300			P
7439-92-1	Lead	27.7			P
7439-95-4	Magnesium	8110			P
7439-96-5	Manganese	525			P
7439-97-6	Mercury	0.022	B		CV
7440-02-0	Nickel	20.6			P
7440-09-7	Potassium	889		*	P
7782-49-2	Selenium	1.5	B		P
7440-22-4	Silver	0.066	U		P
7440-23-5	Sodium	384			P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	16.2			P
7440-66-6	Zinc	84.1			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-52-12-16-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-04

Level (low/med): MED Date Received: 05/28/2015

% Solids: 75.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16500			P
7440-36-0	Antimony	0.38	U	N	P
7440-38-2	Arsenic	7.6		*E	P
7440-39-3	Barium	121			P
7440-41-7	Beryllium	1.0		*	P
7440-43-9	Cadmium	0.67			P
7440-70-2	Calcium	4120		*	P
7440-47-3	Chromium	23.5		*	P
7440-48-4	Cobalt	13.7			P
7440-50-8	Copper	31.1			P
7439-89-6	Iron	31000			P
7439-92-1	Lead	17.1			P
7439-95-4	Magnesium	5970			P
7439-96-5	Manganese	212			P
7439-97-6	Mercury	0.035	B		CV
7440-02-0	Nickel	34.1			P
7440-09-7	Potassium	6660		*	P
7782-49-2	Selenium	1.4	B		P
7440-22-4	Silver	0.064	U		P
7440-23-5	Sodium	303			P
7440-28-0	Thallium	0.22	U		P
7440-62-2	Vanadium	30.7			P
7440-66-6	Zinc	102			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-52-16-20-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-05

Level (low/med): MED Date Received: 05/28/2015

% Solids: 76.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14900			P
7440-36-0	Antimony	0.42	U	N	P
7440-38-2	Arsenic	7.6		*E	P
7440-39-3	Barium	188			P
7440-41-7	Beryllium	0.92		*	P
7440-43-9	Cadmium	0.81			P
7440-70-2	Calcium	8720		*	P
7440-47-3	Chromium	22.6		*	P
7440-48-4	Cobalt	13.0			P
7440-50-8	Copper	30.5			P
7439-89-6	Iron	36400			P
7439-92-1	Lead	19.2			P
7439-95-4	Magnesium	8970			P
7439-96-5	Manganese	402			P
7439-97-6	Mercury	0.014	B		CV
7440-02-0	Nickel	35.0			P
7440-09-7	Potassium	5050		*	P
7782-49-2	Selenium	1.2	B		P
7440-22-4	Silver	0.070	U		P
7440-23-5	Sodium	256			P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	29.2			P
7440-66-6	Zinc	82.2			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-52-4-8-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-02

Level (low/med): MED Date Received: 05/28/2015

% Solids: 91.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3970			P
7440-36-0	Antimony	0.74	B	N	P
7440-38-2	Arsenic	6.5		*E	P
7440-39-3	Barium	47.5			P
7440-41-7	Beryllium	0.25		*	P
7440-43-9	Cadmium	0.33			P
7440-70-2	Calcium	62400		*	P
7440-47-3	Chromium	5.8		*	P
7440-48-4	Cobalt	3.3			P
7440-50-8	Copper	17.3			P
7439-89-6	Iron	9290			P
7439-92-1	Lead	15.9			P
7439-95-4	Magnesium	5370			P
7439-96-5	Manganese	317			P
7439-97-6	Mercury	0.0086	B		CV
7440-02-0	Nickel	9.1			P
7440-09-7	Potassium	985		*	P
7782-49-2	Selenium	0.65	B		P
7440-22-4	Silver	0.053	U		P
7440-23-5	Sodium	158			P
7440-28-0	Thallium	0.18	U		P
7440-62-2	Vanadium	7.3			P
7440-66-6	Zinc	76.8			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-52-8-12-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-03

Level (low/med): MED Date Received: 05/28/2015

% Solids: 79.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7860			P
7440-36-0	Antimony	0.66	B	N	P
7440-38-2	Arsenic	5.2		*E	P
7440-39-3	Barium	70.1			P
7440-41-7	Beryllium	0.48		*	P
7440-43-9	Cadmium	0.45			P
7440-70-2	Calcium	82700		*	P
7440-47-3	Chromium	13.3		*	P
7440-48-4	Cobalt	7.2			P
7440-50-8	Copper	20.0			P
7439-89-6	Iron	16000			P
7439-92-1	Lead	41.9			P
7439-95-4	Magnesium	30900			P
7439-96-5	Manganese	472			P
7439-97-6	Mercury	0.12			CV
7440-02-0	Nickel	17.2			P
7440-09-7	Potassium	3200		*	P
7782-49-2	Selenium	0.71	B		P
7440-22-4	Silver	0.052	U		P
7440-23-5	Sodium	369			P
7440-28-0	Thallium	0.18	U		P
7440-62-2	Vanadium	18.5			P
7440-66-6	Zinc	70.3			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-53-0-4-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-06

Level (low/med): MED Date Received: 05/28/2015

% Solids: 84.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11200			P
7440-36-0	Antimony	0.88	B	N	P
7440-38-2	Arsenic	8.1		*E	P
7440-39-3	Barium	88.0			P
7440-41-7	Beryllium	1.1		*	P
7440-43-9	Cadmium	1.1			P
7440-70-2	Calcium	58200		*	P
7440-47-3	Chromium	25.7		*	P
7440-48-4	Cobalt	6.9			P
7440-50-8	Copper	45.6			P
7439-89-6	Iron	21100			P
7439-92-1	Lead	161			P
7439-95-4	Magnesium	22400			P
7439-96-5	Manganese	706			P
7439-97-6	Mercury	0.12			CV
7440-02-0	Nickel	21.4			P
7440-09-7	Potassium	1150		*	P
7782-49-2	Selenium	1.1	B		P
7440-22-4	Silver	0.069	U		P
7440-23-5	Sodium	446			P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	21.1			P
7440-66-6	Zinc	224			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-53A-4-8-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-07

Level (low/med): MED Date Received: 05/28/2015

% Solids: 54.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32500			P
7440-36-0	Antimony	5.8		N	P
7440-38-2	Arsenic	125		*E	P
7440-39-3	Barium	409			P
7440-41-7	Beryllium	4.4		*	P
7440-43-9	Cadmium	15.1			P
7440-70-2	Calcium	215000		*	P
7440-47-3	Chromium	65.4		*	P
7440-48-4	Cobalt	13.4			P
7440-50-8	Copper	79.5			P
7439-89-6	Iron	29900			P
7439-92-1	Lead	285			P
7439-95-4	Magnesium	4480			P
7439-96-5	Manganese	173			P
7439-97-6	Mercury	0.15			CV
7440-02-0	Nickel	34.7			P
7440-09-7	Potassium	14600		*	P
7782-49-2	Selenium	8.5			P
7440-22-4	Silver	11.6			P
7440-23-5	Sodium	1310			P
7440-28-0	Thallium	7.0			P
7440-62-2	Vanadium	61.7			P
7440-66-6	Zinc	2050			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-54-0-4-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-08

Level (low/med): MED Date Received: 05/28/2015

% Solids: 71.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15400			P
7440-36-0	Antimony	0.36	U	N	P
7440-38-2	Arsenic	37.1		*E	P
7440-39-3	Barium	192			P
7440-41-7	Beryllium	2.6		*	P
7440-43-9	Cadmium	11.1			P
7440-70-2	Calcium	84400		*	P
7440-47-3	Chromium	57.4		*	P
7440-48-4	Cobalt	10.9			P
7440-50-8	Copper	44.8			P
7439-89-6	Iron	172000			P
7439-92-1	Lead	312			P
7439-95-4	Magnesium	3710			P
7439-96-5	Manganese	3260			P
7439-97-6	Mercury	0.084			CV
7440-02-0	Nickel	32.1			P
7440-09-7	Potassium	2170		*	P
7782-49-2	Selenium	0.60	U		P
7440-22-4	Silver	0.060	U		P
7440-23-5	Sodium	422			P
7440-28-0	Thallium	0.59	B		P
7440-62-2	Vanadium	32.6			P
7440-66-6	Zinc	869			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-55-0-4-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-09

Level (low/med): MED Date Received: 05/28/2015

% Solids: 71.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23800			P
7440-36-0	Antimony	2.0		N	P
7440-38-2	Arsenic	5.1		*E	P
7440-39-3	Barium	191			P
7440-41-7	Beryllium	4.1		*	P
7440-43-9	Cadmium	0.32			P
7440-70-2	Calcium	149000		*	P
7440-47-3	Chromium	3.6		*	P
7440-48-4	Cobalt	0.54	B		P
7440-50-8	Copper	6.7			P
7439-89-6	Iron	6950			P
7439-92-1	Lead	20.5			P
7439-95-4	Magnesium	5070			P
7439-96-5	Manganese	1420			P
7439-97-6	Mercury	0.0031	U		CV
7440-02-0	Nickel	2.9			P
7440-09-7	Potassium	1320		*	P
7782-49-2	Selenium	3.6			P
7440-22-4	Silver	0.049	U		P
7440-23-5	Sodium	464			P
7440-28-0	Thallium	0.17	U		P
7440-62-2	Vanadium	5.5			P
7440-66-6	Zinc	67.1			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-55-12-16-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-12

Level (low/med): MED Date Received: 05/28/2015

% Solids: 78.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16400			P
7440-36-0	Antimony	0.35	U	N	P
7440-38-2	Arsenic	9.1		*E	P
7440-39-3	Barium	140			P
7440-41-7	Beryllium	0.88		*	P
7440-43-9	Cadmium	0.68			P
7440-70-2	Calcium	28000		*	P
7440-47-3	Chromium	24.9		*	P
7440-48-4	Cobalt	15.3			P
7440-50-8	Copper	31.2			P
7439-89-6	Iron	35700			P
7439-92-1	Lead	12.5			P
7439-95-4	Magnesium	13400			P
7439-96-5	Manganese	470			P
7439-97-6	Mercury	0.0052	B		CV
7440-02-0	Nickel	36.6			P
7440-09-7	Potassium	2430		*	P
7782-49-2	Selenium	0.98	B		P
7440-22-4	Silver	0.059	U		P
7440-23-5	Sodium	155			P
7440-28-0	Thallium	0.20	U		P
7440-62-2	Vanadium	29.2			P
7440-66-6	Zinc	74.0			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-55-16-20-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-13

Level (low/med): MED Date Received: 05/28/2015

% Solids: 79.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3420			P
7440-36-0	Antimony	1.2		N	P
7440-38-2	Arsenic	5.0		*E	P
7440-39-3	Barium	34.9			P
7440-41-7	Beryllium	0.25		*	P
7440-43-9	Cadmium	0.26			P
7440-70-2	Calcium	149000		*	P
7440-47-3	Chromium	6.6		*	P
7440-48-4	Cobalt	3.3			P
7440-50-8	Copper	9.0			P
7439-89-6	Iron	9000			P
7439-92-1	Lead	5.0			P
7439-95-4	Magnesium	31600			P
7439-96-5	Manganese	284			P
7439-97-6	Mercury	0.0079	B		CV
7440-02-0	Nickel	8.0			P
7440-09-7	Potassium	805		*	P
7782-49-2	Selenium	0.47	U		P
7440-22-4	Silver	0.047	U		P
7440-23-5	Sodium	200			P
7440-28-0	Thallium	0.16	U		P
7440-62-2	Vanadium	12.3			P
7440-66-6	Zinc	40.8			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-55-4-8-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-10

Level (low/med): MED Date Received: 05/28/2015

% Solids: 31.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8750			P
7440-36-0	Antimony	1.0	U	N	P
7440-38-2	Arsenic	4.5		*E	P
7440-39-3	Barium	137			P
7440-41-7	Beryllium	0.92		*	P
7440-43-9	Cadmium	0.39	B		P
7440-70-2	Calcium	21900		*	P
7440-47-3	Chromium	13.5		*	P
7440-48-4	Cobalt	2.3	B		P
7440-50-8	Copper	36.3			P
7439-89-6	Iron	8230			P
7439-92-1	Lead	11.0			P
7439-95-4	Magnesium	1870			P
7439-96-5	Manganese	163			P
7439-97-6	Mercury	0.035	B		CV
7440-02-0	Nickel	13.8			P
7440-09-7	Potassium	1880		*	P
7782-49-2	Selenium	3.1	B		P
7440-22-4	Silver	0.17	U		P
7440-23-5	Sodium	279			P
7440-28-0	Thallium	0.60	U		P
7440-62-2	Vanadium	14.6			P
7440-66-6	Zinc	32.0			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-55-8-12-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-11

Level (low/med): MED Date Received: 05/28/2015

% Solids: 79.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13000			P
7440-36-0	Antimony	0.28	U	N	P
7440-38-2	Arsenic	17.3		*E	P
7440-39-3	Barium	86.1			P
7440-41-7	Beryllium	0.71		*	P
7440-43-9	Cadmium	0.71			P
7440-70-2	Calcium	42300		*	P
7440-47-3	Chromium	19.7		*	P
7440-48-4	Cobalt	13.3			P
7440-50-8	Copper	30.9			P
7439-89-6	Iron	33200			P
7439-92-1	Lead	13.8			P
7439-95-4	Magnesium	14200			P
7439-96-5	Manganese	429			P
7439-97-6	Mercury	0.014	B		CV
7440-02-0	Nickel	34.2			P
7440-09-7	Potassium	1350		*	P
7782-49-2	Selenium	0.67	B		P
7440-22-4	Silver	0.047	U		P
7440-23-5	Sodium	117			P
7440-28-0	Thallium	0.16	B		P
7440-62-2	Vanadium	24.3			P
7440-66-6	Zinc	67.8			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-56-12-16-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-17

Level (low/med): MED Date Received: 05/28/2015

% Solids: 77.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15700			P
7440-36-0	Antimony	0.40	U	N	P
7440-38-2	Arsenic	17.4		*E	P
7440-39-3	Barium	120			P
7440-41-7	Beryllium	1.4		*	P
7440-43-9	Cadmium	0.70			P
7440-70-2	Calcium	48800		*	P
7440-47-3	Chromium	18.7		*	P
7440-48-4	Cobalt	13.6			P
7440-50-8	Copper	29.4			P
7439-89-6	Iron	36100			P
7439-92-1	Lead	14.5			P
7439-95-4	Magnesium	12600			P
7439-96-5	Manganese	612			P
7439-97-6	Mercury	0.019	B		CV
7440-02-0	Nickel	30.6			P
7440-09-7	Potassium	1680		*	P
7782-49-2	Selenium	1.0	B		P
7440-22-4	Silver	0.068	U		P
7440-23-5	Sodium	199			P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	26.1			P
7440-66-6	Zinc	66.1			P

Comments:

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EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-56-4-8-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-15

Level (low/med): MED Date Received: 05/28/2015

% Solids: 42.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000			P
7440-36-0	Antimony	0.82	U	N	P
7440-38-2	Arsenic	7.9		*E	P
7440-39-3	Barium	120			P
7440-41-7	Beryllium	0.94		*	P
7440-43-9	Cadmium	0.96			P
7440-70-2	Calcium	12600		*	P
7440-47-3	Chromium	17.6		*	P
7440-48-4	Cobalt	4.6	B		P
7440-50-8	Copper	48.7			P
7439-89-6	Iron	11700			P
7439-92-1	Lead	14.1			P
7439-95-4	Magnesium	3230			P
7439-96-5	Manganese	126			P
7439-97-6	Mercury	0.031	B		CV
7440-02-0	Nickel	21.5			P
7440-09-7	Potassium	1530		*	P
7782-49-2	Selenium	1.4	B		P
7440-22-4	Silver	0.14	U		P
7440-23-5	Sodium	138			P
7440-28-0	Thallium	0.48	U		P
7440-62-2	Vanadium	23.9			P
7440-66-6	Zinc	63.6			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-56-8-12-052615

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Lab Sample ID: P0972-16

Level (low/med): MED Date Received: 05/28/2015

% Solids: 77.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12800			P
7440-36-0	Antimony	0.41	U	N	P
7440-38-2	Arsenic	13.1		*E	P
7440-39-3	Barium	94.4			P
7440-41-7	Beryllium	0.73		*	P
7440-43-9	Cadmium	0.58			P
7440-70-2	Calcium	43700		*	P
7440-47-3	Chromium	19.7		*	P
7440-48-4	Cobalt	13.4			P
7440-50-8	Copper	33.8			P
7439-89-6	Iron	26400			P
7439-92-1	Lead	13.0			P
7439-95-4	Magnesium	14300			P
7439-96-5	Manganese	519			P
7439-97-6	Mercury	0.0067	B		CV
7440-02-0	Nickel	35.1			P
7440-09-7	Potassium	1510		*	P
7782-49-2	Selenium	1.5	B		P
7440-22-4	Silver	0.069	U		P
7440-23-5	Sodium	137			P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	25.2			P
7440-66-6	Zinc	74.3			P

Comments:

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-82315**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	435.2		364	546.0	95.6
Antimony				22.8	22.7		18.2	27.3	99.6
Arsenic				22.8	23.1		18.2	27.3	101.3
Barium				455.0	455.8		364	546.0	100.2
Beryllium				11.4	11.0		9.1	13.6	96.5
Cadmium				11.4	11.5		9.1	13.6	100.9
Calcium				1135.0	1052.7		908	1362.0	92.7
Chromium				45.5	45.7		36.4	54.6	100.4
Cobalt				113.5	111.5		90.8	136.2	98.2
Copper				56.5	56.4		45.2	67.8	99.8
Iron				227.5	231.7		182	273.0	101.8
Lead				22.8	23.3		18.2	27.3	102.2
Magnesium				1135.0	1110.5		908	1362.0	97.8
Manganese				113.5	113.0		90.8	136.2	99.6
Nickel				113.5	111.6		90.8	136.2	98.3
Potassium				1135.0	1105.9		908	1362.0	97.4
Selenium				22.8	21.8		18.2	27.3	95.6
Silver				56.5	57.7		42.4	67.8	102.1
Sodium				1135.0	1135.6		908	1362.0	100.1
Thallium				22.8	23.0		18.2	27.3	100.9
Vanadium				113.5	112.6		90.8	136.2	99.2
Zinc				113.5	109.1		90.8	136.2	96.1

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82317

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury				0.8	0.8		0.6	0.9	100.0

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-56-12-16-052615S

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 77.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	12.0		0.40	U	19.3	62	N	P
Arsenic	75-125	33.6		17.4		19.3	84		P
Barium	75-125	502		120		385	99		P
Beryllium	75-125	10.5		1.4		9.6	95		P
Cadmium	75-125	9.9		0.70		9.6	96		P
Chromium	75-125	58.9		18.7		38.5	104		P
Cobalt	75-125	105		13.6		96.1	95		P
Copper	75-125	85.3		29.4		47.8	117		P
Lead	75-125	33.3		14.5		19.3	98		P
Nickel	75-125	123		30.6		96.1	96		P
Selenium	75-125	19.6		1.0	B	19.3	97		P
Silver	75-125	53.0		0.068	U	47.8	111		P
Thallium	75-125	17.0		0.23	U	19.3	89		P
Vanadium	75-125	122		26.1		96.1	99		P
Zinc	75-125	161		66.1		96.1	98		P
Mercury	75-125	1.1		0.019	B	1.1	99		CV

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-56-12-16-052615A

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		468.03		2.91	U	455.0	103		P

Comments:

6

DUPLICATES

EPA SAMPLE NO.

SB-56-12-16-052615D

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 77.2 % Solids for Duplicate: 77.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		15680.7836		16722.9875		6.4		P
Antimony		0.4000	U	0.3100	U			P
Arsenic		17.3853		8.8519		65	*	P
Barium		120.1309		129.9093		7.8		P
Beryllium		1.3904		1.1369		20.1	*	P
Cadmium	0.3	0.7046		0.6708		4.9		P
Calcium		48840.3635		39249.6302		21.8	*	P
Chromium		18.7451		23.0200		20.5	*	P
Cobalt		13.5931		14.7283		8		P
Copper		29.4362		27.5930		6.5		P
Iron		36136.7367		33655.9330		7.1		P
Lead		14.4525		13.5163		6.7		P
Magnesium		12621.1139		13810.4345		9		P
Manganese		611.9184		547.8901		11		P
Nickel		30.5516		33.7976		10.1		P
Potassium		1680.3135		2254.6008		29.2	*	P
Selenium		1.0326	B	1.1258	B	8.6		P
Silver		0.0680	U	0.0520	U			P
Sodium	53.0	199.0249		202.0375		1.5		P
Thallium		0.2300	U	0.1800	U			P
Vanadium		26.0518		27.6680		6		P
Zinc		66.0734		70.1001		5.9		P
Mercury		0.0188	B	0.0171	B	9.5		CV

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-82317**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

FIMS2_150603D

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/03/15 14:20	C	06/03/15 14:39	C	06/03/15 14:47	C	Preparation Blank	C	M
Mercury	0.028	U	0.028	U	0.028	U	0.028	U	0.002	U	CV

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-82315**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_150603A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/03/15 14:25	C	06/03/15 14:59	C	06/03/15 15:33	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	1.923	B	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	0.410	U	P
Barium	3.3	B	2.4	B	4.2	B	5.4	B	0.211	B	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.003	B	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	115.6	B	119.9	B	110.0	U	160.9	B	8.218	B	P
Chromium	0.6	U	0.6	U	0.6	U	0.7	B	0.019	U	P
Cobalt	0.9	B	1.0	B	1.3	B	1.4	B	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.110	U	P
Iron	31.0	U	31.0	U	133.1	B	147.6	B	4.361	B	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.360	B	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	2.445	B	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.184	B	P
Nickel	0.9	B	0.8	U	1.0	B	1.5	B	0.043	U	P
Potassium	139.4	B	139.9	B	308.6	B	214.4	B	6.629	B	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	0.640	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	29.0	U	29.0	U	44.3	B	29.0	U	5.188	B	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.1	U	1.2	B	1.7	B	0.060	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	0.193	B	P

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0972

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_150603A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/03/15 16:07	C	06/03/15 16:48	C	06/03/15 17:24	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U					P
Arsenic			4.3	U							P
Barium			2.9	B							P
Beryllium			0.3	U							P
Cadmium			0.9	U							P
Calcium			123.9	B	110.0	U	153.3	B			P
Chromium			0.6	U							P
Cobalt			0.8	B							P
Copper			3.6	U							P
Iron			53.4	B	31.0	U	31.0	U			P
Lead			4.2	U							P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U					P
Nickel			1.1	B							P
Potassium			142.9	B							P
Selenium			12.0	U							P
Silver			6.9	U							P
Sodium			29.0	U							P
Thallium			6.2	U							P
Vanadium			1.1	U							P
Zinc			4.9	U							P

* Wet Chemistry *

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC08132

Client: Spectrum Analytical, Inc. - North Kingstown, RI

Project: Buffalo Lakeside / P0972

SDG #: 08132

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to EPA 335.4 / SW846 9012B, SW846 9012B.

IV. PREPARATION

Soil/Sediment samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze EPA 335.4 / SW846 9012B, SW846 9012B:

Lachat2 details: Lachat Quikchem 8000

Lachat2 details: Lachat Quikchem 8000

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1510975 from source sample SB-55-8-12-052615 (SC08132-11).

All method criteria were met.

3. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1510975 from source sample SB-55-8-12-052615 (SC08132-11).

All method criteria were met.

E. Samples:

All method criteria were met.

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-52-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-01	File ID:	1510975-018
Sampled:	05/26/15 09:45	Prepared:	06/04/15 10:49	Analyzed:	06/04/15 12:42
% Solids:	82.32	Preparation:	General Preparation	Initial/Final:	0.5333 g / 50 ml
Batch:	1510975	Sequence:	S505416	Calibration:	1506009
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.58	1	0.456	0.569	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-52-4-8-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-02	File ID:	1510975-019
Sampled:	05/26/15 09:54	Prepared:	06/04/15 10:49	Analyzed:	06/04/15 12:43
% Solids:	91.71	Preparation:	General Preparation	Initial/Final:	0.5857 g / 50 ml
Batch:	1510975	Sequence:	S505416	Calibration:	1506009
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.465	1	0.372	0.465	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-52-8-12-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-03	File ID:	1510975-020
Sampled:	05/26/15 10:00	Prepared:	06/04/15 10:49	Analyzed:	06/04/15 12:44
% Solids:	79.29	Preparation:	General Preparation	Initial/Final:	0.6645 g / 50 ml
Batch:	1510975	Sequence:	S505416	Calibration:	1506009
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.474	1	0.380	0.474	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-52-12-16-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-04	File ID:	1510975-021
Sampled:	05/26/15 10:13	Prepared:	06/04/15 10:49	Analyzed:	06/04/15 12:44
% Solids:	75.80	Preparation:	General Preparation	Initial/Final:	0.5542 g / 50 ml
Batch:	1510975	Sequence:	S505416	Calibration:	1506009
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.595	1	0.476	0.595	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-52-16-20-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-05	File ID:	1510975-022
Sampled:	05/26/15 10:27	Prepared:	06/04/15 10:49	Analyzed:	06/04/15 12:45
% Solids:	76.48	Preparation:	General Preparation	Initial/Final:	0.5311 g / 50 ml
Batch:	1510975	Sequence:	S505416	Calibration:	1506009
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.615	1	0.492	0.615	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-53-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-06	File ID:	1510975-023
Sampled:	05/26/15 10:56	Prepared:	06/04/15 10:49	Analyzed:	06/04/15 12:46
% Solids:	84.75	Preparation:	General Preparation	Initial/Final:	0.5641 g / 50 ml
Batch:	1510975	Sequence:	S505416	Calibration:	1506009
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.45	1	0.418	0.523	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-53A-4-8-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-07	File ID:	1510975-024
Sampled:	05/26/15 11:51	Prepared:	06/04/15 10:49	Analyzed:	06/04/15 12:47
% Solids:	54.63	Preparation:	General Preparation	Initial/Final:	0.5776 g / 50 ml
Batch:	1510975	Sequence:	S505416	Calibration:	1506009
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.792	1	0.634	0.792	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-54-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-08	File ID:	1510975-030
Sampled:	05/26/15 13:40	Prepared:	06/04/15 10:49	Analyzed:	06/04/15 12:52
% Solids:	71.45	Preparation:	General Preparation	Initial/Final:	0.558 g / 50 ml
Batch:	1510975	Sequence:	S505416	Calibration:	1506009
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	11.6	1	0.502	0.627	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-55-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-09	File ID:	1510975-031
Sampled:	05/26/15 14:49	Prepared:	06/04/15 10:49	Analyzed:	06/04/15 12:53
% Solids:	71.49	Preparation:	General Preparation	Initial/Final:	0.5536 g / 50 ml
Batch:	1510975	Sequence:	S505416	Calibration:	1506009
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	2.49	1	0.505	0.632	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-55-4-8-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-10	File ID:	1510975-032
Sampled:	05/26/15 15:01	Prepared:	06/04/15 10:49	Analyzed:	06/04/15 12:54
% Solids:	30.99	Preparation:	General Preparation	Initial/Final:	0.5268 g / 50 ml
Batch:	1510975	Sequence:	S505416	Calibration:	1506009
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	3.83	1	1.22	1.53	

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SW846 9012B

SB-55-8-12-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-11	File ID:	1510975-033
Sampled:	05/26/15 15:08	Prepared:	06/04/15 10:49	Analyzed:	06/04/15 12:55
% Solids:	79.72	Preparation:	General Preparation	Initial/Final:	0.584 g / 50 ml
Batch:	1510975	Sequence:	S505416	Calibration:	1506009
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.537	1	0.430	0.537	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-55-12-16-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-12	File ID:	1511016-017
Sampled:	05/26/15 15:15	Prepared:	06/04/15 14:05	Analyzed:	06/05/15 13:39
% Solids:	78.63	Preparation:	General Preparation	Initial/Final:	0.6458 g / 50 ml
Batch:	1511016	Sequence:	S505478	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.492	1	0.394	0.492	U

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SW846 9012B

SB-55-16-20-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-13	File ID:	1511016-018
Sampled:	05/26/15 15:30	Prepared:	06/04/15 14:05	Analyzed:	06/05/15 13:40
% Solids:	79.68	Preparation:	General Preparation	Initial/Final:	0.5497 g / 50 ml
Batch:	1511016	Sequence:	S505478	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.571	1	0.457	0.571	U

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SW846 9012B

SB-56-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-14	File ID:	1511016-019
Sampled:	05/26/15 16:04	Prepared:	06/04/15 14:05	Analyzed:	06/05/15 13:40
% Solids:	65.37	Preparation:	General Preparation	Initial/Final:	0.5791 g / 50 ml
Batch:	1511016	Sequence:	S505478	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.687	1	0.528	0.660	

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SW846 9012B

SB-56-4-8-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-15	File ID:	1511016-020
Sampled:	05/26/15 16:13	Prepared:	06/04/15 14:05	Analyzed:	06/05/15 13:41
% Solids:	42.33	Preparation:	General Preparation	Initial/Final:	0.5255 g / 50 ml
Batch:	1511016	Sequence:	S505478	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.12	1	0.899	1.12	U

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SW846 9012B

SB-56-8-12-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-16	File ID:	1511016-021
Sampled:	05/26/15 16:20	Prepared:	06/04/15 14:05	Analyzed:	06/05/15 13:42
% Solids:	77.45	Preparation:	General Preparation	Initial/Final:	0.5116 g / 50 ml
Batch:	1511016	Sequence:	S505478	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.631	1	0.505	0.631	U

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SW846 9012B

SB-56-12-16-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-17	File ID:	1511016-022
Sampled:	05/26/15 16:30	Prepared:	06/04/15 14:05	Analyzed:	06/05/15 13:43
% Solids:	77.22	Preparation:	General Preparation	Initial/Final:	0.5658 g / 50 ml
Batch:	1511016	Sequence:	S505478	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.572	1	0.458	0.572	U

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SB-52-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-01	File ID:	
Sampled:	05/26/15 09:45	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	82.32	Preparation:	General Preparation	Initial/Final:	10.2866 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.3	24.3	

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SB-52-4-8-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-02	File ID:	
Sampled:	05/26/15 09:54	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	91.71	Preparation:	General Preparation	Initial/Final:	10.0698 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-52-8-12-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-03	File ID:	
Sampled:	05/26/15 10:00	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	79.29	Preparation:	General Preparation	Initial/Final:	10.0382 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SB-52-12-16-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-04	File ID:	
Sampled:	05/26/15 10:13	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	75.80	Preparation:	General Preparation	Initial/Final:	10.2577 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.4	24.4	

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SB-52-16-20-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-05	File ID:	
Sampled:	05/26/15 10:27	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	76.48	Preparation:	General Preparation	Initial/Final:	10.0291 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SB-53-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-06	File ID:	
Sampled:	05/26/15 10:56	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	84.75	Preparation:	General Preparation	Initial/Final:	10.0155 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	25.0	25.0	

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SB-53A-4-8-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-07	File ID:	
Sampled:	05/26/15 11:51	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	54.63	Preparation:	General Preparation	Initial/Final:	10.088 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-54-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-08	File ID:	
Sampled:	05/26/15 13:40	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	71.45	Preparation:	General Preparation	Initial/Final:	10.2105 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-55-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-09	File ID:	
Sampled:	05/26/15 14:49	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	71.49	Preparation:	General Preparation	Initial/Final:	10.2792 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.3	24.3	

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SB-55-4-8-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-10	File ID:	
Sampled:	05/26/15 15:01	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	30.99	Preparation:	General Preparation	Initial/Final:	10.1254 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-55-8-12-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-11	File ID:	
Sampled:	05/26/15 15:08	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	79.72	Preparation:	General Preparation	Initial/Final:	10.0184 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	25.0	25.0	

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SB-55-12-16-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-12	File ID:	
Sampled:	05/26/15 15:15	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	78.63	Preparation:	General Preparation	Initial/Final:	10.2391 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.4	24.4	

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SB-55-16-20-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-13	File ID:	
Sampled:	05/26/15 15:30	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	79.68	Preparation:	General Preparation	Initial/Final:	10.2368 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.4	24.4	

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SB-56-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-14	File ID:	
Sampled:	05/26/15 16:04	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	65.37	Preparation:	General Preparation	Initial/Final:	10.1132 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-56-4-8-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-15	File ID:	
Sampled:	05/26/15 16:13	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	42.33	Preparation:	General Preparation	Initial/Final:	10.2084 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-56-8-12-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-16	File ID:	
Sampled:	05/26/15 16:20	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	77.45	Preparation:	General Preparation	Initial/Final:	10.2147 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-56-12-16-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-17	File ID:	
Sampled:	05/26/15 16:30	Prepared:	06/02/15 10:15	Analyzed:	06/02/15 16:40
% Solids:	77.22	Preparation:	General Preparation	Initial/Final:	10.2457 g / 50 ml
Batch:	1510807	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.4	24.4	

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SM2540 G Mod.

SB-52-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-01	File ID:	
Sampled:	05/26/15 09:45	Prepared:	06/03/15 10:37	Analyzed:	06/03/15 14:00
% Solids:	82.32	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510864	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.3	1			

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SM2540 G Mod.

SB-52-4-8-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-02	File ID:	
Sampled:	05/26/15 09:54	Prepared:	06/03/15 10:37	Analyzed:	06/03/15 14:00
% Solids:	91.71	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510864	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	91.7	1			

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SM2540 G Mod.

SB-52-8-12-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-03	File ID:	
Sampled:	05/26/15 10:00	Prepared:	06/03/15 10:37	Analyzed:	06/03/15 14:00
% Solids:	79.29	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510864	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	79.3	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-52-12-16-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-04	File ID:	
Sampled:	05/26/15 10:13	Prepared:	06/03/15 10:37	Analyzed:	06/03/15 14:00
% Solids:	75.80	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510864	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	75.8	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-52-16-20-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-05	File ID:	
Sampled:	05/26/15 10:27	Prepared:	06/03/15 10:37	Analyzed:	06/03/15 14:00
% Solids:	76.48	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510864	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	76.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-53-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-06	File ID:	
Sampled:	05/26/15 10:56	Prepared:	06/03/15 10:37	Analyzed:	06/03/15 14:00
% Solids:	84.75	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510864	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	84.7	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-53A-4-8-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-07	File ID:	
Sampled:	05/26/15 11:51	Prepared:	06/03/15 10:37	Analyzed:	06/03/15 14:00
% Solids:	54.63	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510864	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	54.6	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-54-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-08	File ID:	
Sampled:	05/26/15 13:40	Prepared:	06/03/15 10:38	Analyzed:	06/03/15 14:01
% Solids:	71.45	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510865	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	71.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-55-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-09	File ID:	
Sampled:	05/26/15 14:49	Prepared:	06/03/15 10:38	Analyzed:	06/03/15 14:01
% Solids:	71.49	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510865	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	71.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-55-4-8-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-10	File ID:	
Sampled:	05/26/15 15:01	Prepared:	06/03/15 10:38	Analyzed:	06/03/15 14:01
% Solids:	30.99	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510865	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	31.0	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-55-8-12-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-11	File ID:	
Sampled:	05/26/15 15:08	Prepared:	06/03/15 10:38	Analyzed:	06/03/15 14:01
% Solids:	79.72	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510865	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	79.7	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-55-12-16-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-12	File ID:	
Sampled:	05/26/15 15:15	Prepared:	06/03/15 10:38	Analyzed:	06/03/15 14:01
% Solids:	78.63	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510865	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	78.6	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-55-16-20-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-13	File ID:	
Sampled:	05/26/15 15:30	Prepared:	06/03/15 10:38	Analyzed:	06/03/15 14:01
% Solids:	79.68	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510865	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	79.7	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-56-0-4-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-14	File ID:	
Sampled:	05/26/15 16:04	Prepared:	06/03/15 10:38	Analyzed:	06/03/15 14:01
% Solids:	65.37	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510865	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	65.4	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-56-4-8-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-15	File ID:	
Sampled:	05/26/15 16:13	Prepared:	06/03/15 10:38	Analyzed:	06/03/15 14:01
% Solids:	42.33	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510865	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	42.3	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-56-8-12-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-16	File ID:	
Sampled:	05/26/15 16:20	Prepared:	06/03/15 10:38	Analyzed:	06/03/15 14:01
% Solids:	77.45	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510865	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	77.4	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-56-12-16-052615

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08132
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0972			Received:	06/01/15 15:20
Matrix:	Soil	Laboratory ID:	SC08132-17	File ID:	
Sampled:	05/26/15 16:30	Prepared:	06/03/15 10:38	Analyzed:	06/03/15 14:01
% Solids:	77.22	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510865	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	77.2	1			

Report Date:
12-Jun-15 07:13

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: P0987
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
P0987-01	SB-57-0-4-052715	Soil	27-May-15 07:46	29-May-15 12:00
P0987-02	SB-57-4-8-052715	Soil	27-May-15 07:52	29-May-15 12:00
P0987-03	SB-57-8-12-052715	Soil	27-May-15 08:00	29-May-15 12:00
P0987-04	SB-57-12-16-052715	Soil	27-May-15 08:08	29-May-15 12:00
P0987-05	SB-57-16-20-052715	Soil	27-May-15 08:21	29-May-15 12:00
P0987-06	SB-58-0-4-052715	Soil	27-May-15 08:40	29-May-15 12:00
P0987-07	SB-58-4-8-052715	Soil	27-May-15 08:49	29-May-15 12:00
P0987-08	SB-58-8-12-052715	Soil	27-May-15 08:56	29-May-15 12:00
P0987-09	SB-58-12-16-052715	Soil	27-May-15 09:08	29-May-15 12:00
P0987-10	SB-58-16-20-052715	Soil	27-May-15 09:21	29-May-15 12:00
P0987-11	DUP-01-052715	Soil	27-May-15 09:26	29-May-15 12:00
P0987-12	SB-59-0-4-052715	Soil	27-May-15 09:48	29-May-15 12:00
P0987-13	SB-59A-8-12-052715	Soil	27-May-15 10:51	29-May-15 12:00
P0987-14	SB-59A-12-16-052715	Soil	27-May-15 11:05	29-May-15 12:00
P0987-15	SB-59A-16-20-052715	Soil	27-May-15 11:21	29-May-15 12:00
P0987-16	SB-60-0-4-052715	Soil	27-May-15 12:17	29-May-15 12:00
P0987-17	SB-61-0-4-052715	Soil	27-May-15 14:12	29-May-15 12:00
P0987-18	SB-61-4-7-052715	Soil	27-May-15 14:20	29-May-15 12:00
P0987-19	SB-61A-0-4-052715	Soil	27-May-15 14:42	29-May-15 12:00
P0987-20	SB-61A-4-8-052715	Soil	27-May-15 14:45	29-May-15 12:00
P0987-21	SB-61A-8-12-052715	Soil	27-May-15 14:50	29-May-15 12:00
P0987-22	SB-61A-12-16-052715	Soil	27-May-15 14:55	29-May-15 12:00
P0987-23	SB-61A-16-20-052715	Soil	27-May-15 15:00	29-May-15 12:00
P0987-24	SB-62-0-4-052715	Soil	27-May-15 15:20	29-May-15 12:00
P0987-25	SB-62-4-8-052715	Soil	27-May-15 15:30	29-May-15 12:00
P0987-26	SB-62-8-12-052715	Soil	27-May-15 15:33	29-May-15 12:00
P0987-27	DUP-02-052715	Soil	27-May-15 00:00	29-May-15 12:00
P0987-28	SB-62-12-16-052715	Soil	27-May-15 15:37	29-May-15 12:00
P0987-29	SB-62-16-20-052715	Soil	27-May-15 15:40	29-May-15 12:00

Report Date:
12-Jun-15 07:13

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: P0987
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director

* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0987

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-57-0-4-052715	P0987-01		SW8270_S		SW6010_S	SEE DATA
SB-57-0-4-052715	P0987-01				SW7471	
SB-57-4-8-052715	P0987-02		SW8270_S		SW6010_S	SEE DATA
SB-57-4-8-052715	P0987-02				SW7471	
SB-57-8-12-052715	P0987-03		SW8270_S		SW6010_S	SEE DATA
SB-57-8-12-052715	P0987-03				SW7471	
SB-57-12-16-052715	P0987-04		SW8270_S		SW6010_S	SEE DATA
SB-57-12-16-052715	P0987-04				SW7471	
SB-57-16-20-052715	P0987-05		SW8270_S		SW6010_S	SEE DATA
SB-57-16-20-052715	P0987-05				SW7471	
SB-58-0-4-052715	P0987-06		SW8270_S		SW6010_S	SEE DATA
SB-58-0-4-052715	P0987-06				SW7471	
SB-58-4-8-052715	P0987-07		SW8270_S		SW6010_S	SEE DATA
SB-58-4-8-052715	P0987-07				SW7471	
SB-58-8-12-052715	P0987-08		SW8270_S		SW6010_S	SEE DATA
SB-58-8-12-052715	P0987-08				SW7471	
SB-58-12-16-052715	P0987-09		SW8270_S		SW6010_S	SEE DATA
SB-58-12-16-052715	P0987-09				SW7471	
SB-58-16-20-052715	P0987-10		SW8270_S		SW6010_S	SEE DATA
SB-58-16-20-052715	P0987-10				SW7471	
DUP-01-052715	P0987-11		SW8270_S		SW6010_S	SEE DATA
DUP-01-052715	P0987-11				SW7471	
SB-59-0-4-052715	P0987-12		SW8270_S		SW6010_S	SEE DATA
SB-59-0-4-052715	P0987-12				SW7471	
SB-59A-8-12-052715	P0987-13		SW8270_S		SW6010_S	SEE DATA
SB-59A-8-12-052715	P0987-13				SW7471	
SB-59A-12-16-052715	P0987-14		SW8270_S		SW6010_S	SEE DATA
SB-59A-12-16-052715	P0987-14				SW7471	
SB-59A-16-20-052715	P0987-15		SW8270_S		SW6010_S	SEE DATA
SB-59A-16-20-052715	P0987-15				SW7471	
SB-60-0-4-052715	P0987-16		SW8270_S		SW6010_S	SEE DATA
SB-60-0-4-052715	P0987-16				SW7471	
SB-61-0-4-052715	P0987-17					SEE DATA
SB-61-4-7-052715	P0987-18		SW8270_S		SW6010_S	SEE DATA
SB-61-4-7-052715	P0987-18				SW7471	
SB-61A-0-4-052715	P0987-19		SW8270_S		SW6010_S	SEE DATA
SB-61A-0-4-052715	P0987-19				SW7471	
SB-61A-4-8-052715	P0987-20		SW8270_S		SW6010_S	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0987

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-61A-4-8-052715	P0987-20				SW7471	
SB-61A-8-12-052715	P0987-21		SW8270_S		SW6010_S	SEE DATA
SB-61A-8-12-052715	P0987-21				SW7471	
SB-61A-12-16-052715	P0987-22		SW8270_S		SW6010_S	SEE DATA
SB-61A-12-16-052715	P0987-22				SW7471	
SB-61A-16-20-052715	P0987-23		SW8270_S		SW6010_S	SEE DATA
SB-61A-16-20-052715	P0987-23				SW7471	
SB-62-0-4-052715	P0987-24		SW8270_S		SW6010_S	SEE DATA
SB-62-0-4-052715	P0987-24				SW7471	
SB-62-4-8-052715	P0987-25		SW8270_S		SW6010_S	SEE DATA
SB-62-4-8-052715	P0987-25				SW7471	
SB-62-8-12-052715	P0987-26		SW8270_S		SW6010_S	SEE DATA
SB-62-8-12-052715	P0987-26				SW7471	
DUP-02-052715	P0987-27		SW8270_S		SW6010_S	SEE DATA
DUP-02-052715	P0987-27				SW7471	
SB-62-12-16-052715	P0987-28		SW8270_S		SW6010_S	SEE DATA
SB-62-12-16-052715	P0987-28				SW7471	
SB-62-16-20-052715	P0987-29		SW8270_S		SW6010_S	SEE DATA
SB-62-16-20-052715	P0987-29				SW7471	

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** P0987

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					
P0987-01A	SL	SW8270_S	3550B	N/A	1
P0987-01AMS	SL	SW8270_S	3550B	N/A	1
P0987-01AMSD	SL	SW8270_S	3550B	N/A	1
P0987-02A	SL	SW8270_S	3550B	N/A	1
P0987-03A	SL	SW8270_S	3550B	N/A	1
P0987-04A	SL	SW8270_S	3550B	N/A	1
P0987-05A	SL	SW8270_S	3550B	N/A	1
P0987-06A	SL	SW8270_S	3550B	N/A	1
P0987-07A	SL	SW8270_S	3550B	N/A	1
P0987-08A	SL	SW8270_S	3550B	N/A	1
P0987-09A	SL	SW8270_S	3550B	N/A	1
P0987-10A	SL	SW8270_S	3550B	N/A	1
P0987-11A	SL	SW8270_S	3550B	N/A	1
P0987-12A	SL	SW8270_S	3550B	N/A	1
P0987-13A	SL	SW8270_S	3550B	N/A	1
P0987-14A	SL	SW8270_S	3550B	N/A	1
P0987-15A	SL	SW8270_S	3550B	N/A	1
P0987-16A	SL	SW8270_S	3550B	N/A	1
P0987-18A	SL	SW8270_S	3550B	N/A	1
P0987-19A	SL	SW8270_S	3550B	N/A	1
P0987-20A	SL	SW8270_S	3550B	N/A	1
P0987-21A	SL	SW8270_S	3550B	N/A	1
P0987-22A	SL	SW8270_S	3550B	N/A	1
P0987-23A	SL	SW8270_S	3550B	N/A	1
P0987-24A	SL	SW8270_S	3550B	N/A	1
P0987-25A	SL	SW8270_S	3550B	N/A	1
P0987-26A	SL	SW8270_S	3550B	N/A	1
P0987-27A	SL	SW8270_S	3550B	N/A	1
P0987-28A	SL	SW8270_S	3550B	N/A	1
P0987-28AMS	SL	SW8270_S	3550B	N/A	1
P0987-28AMSD	SL	SW8270_S	3550B	N/A	1
P0987-29A	SL	SW8270_S	3550B	N/A	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** P0987

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					
P0987-01A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-01AMS	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-01AMSD	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-02A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-03A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-04A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-05A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-06A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-07A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-08A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-09A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-10A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-11A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-12A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-13A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-14A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-15A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-16A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-18A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-19A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-20A	SL	5/27/2015	5/29/2015	6/1/2015	6/5/2015
P0987-21A	SL	5/27/2015	5/29/2015	6/1/2015	6/4/2015
P0987-22A	SL	5/27/2015	5/29/2015	6/1/2015	6/4/2015
P0987-23A	SL	5/27/2015	5/29/2015	6/1/2015	6/4/2015
P0987-24A	SL	5/27/2015	5/29/2015	6/1/2015	6/4/2015
P0987-25A	SL	5/27/2015	5/29/2015	6/1/2015	6/4/2015
P0987-26A	SL	5/27/2015	5/29/2015	6/1/2015	6/4/2015
P0987-27A	SL	5/27/2015	5/29/2015	6/1/2015	6/4/2015
P0987-28A	SL	5/27/2015	5/29/2015	6/1/2015	6/4/2015
P0987-28AMS	SL	5/27/2015	5/29/2015	6/1/2015	6/4/2015
P0987-28AMSD	SL	5/27/2015	5/29/2015	6/1/2015	6/4/2015
P0987-29A	SL	5/27/2015	5/29/2015	6/1/2015	6/4/2015

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** P0987

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				
P0987-01A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-01ADUP	SL	SW6010_S	5/29/2015	6/9/2015
P0987-01ADUP	SL	SW6010_S	5/29/2015	6/9/2015
P0987-01AMS	SL	SW6010_S	5/29/2015	6/9/2015
P0987-02A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-03A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-04A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-05A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-06A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-07A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-08A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-09A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-10A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-11A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-12A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-13A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-14A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-15A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-16A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-18A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-19A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-20A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-21A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-22A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-23A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-24A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-25A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-26A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-27A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-28A	SL	SW6010_S	5/29/2015	6/9/2015
P0987-28ADUP	SL	SW6010_S	5/29/2015	6/9/2015
P0987-28AMS	SL	SW6010_S	5/29/2015	6/9/2015
P0987-29A	SL	SW6010_S	5/29/2015	6/9/2015
SW7471				

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** P0987

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
P0987-01A	SL	SW7471	5/29/2015	6/8/2015
P0987-01ADUP	SL	SW7471	5/29/2015	6/8/2015
P0987-01AMS	SL	SW7471	5/29/2015	6/8/2015
P0987-02A	SL	SW7471	5/29/2015	6/8/2015
P0987-03A	SL	SW7471	5/29/2015	6/8/2015
P0987-04A	SL	SW7471	5/29/2015	6/8/2015
P0987-05A	SL	SW7471	5/29/2015	6/8/2015
P0987-06A	SL	SW7471	5/29/2015	6/8/2015
P0987-07A	SL	SW7471	5/29/2015	6/8/2015
P0987-08A	SL	SW7471	5/29/2015	6/8/2015
P0987-09A	SL	SW7471	5/29/2015	6/8/2015
P0987-10A	SL	SW7471	5/29/2015	6/8/2015
P0987-11A	SL	SW7471	5/29/2015	6/8/2015
P0987-12A	SL	SW7471	5/29/2015	6/8/2015
P0987-13A	SL	SW7471	5/29/2015	6/8/2015
P0987-14A	SL	SW7471	5/29/2015	6/8/2015
P0987-15A	SL	SW7471	5/29/2015	6/8/2015
P0987-16A	SL	SW7471	5/29/2015	6/8/2015
P0987-18A	SL	SW7471	5/29/2015	6/8/2015
P0987-19A	SL	SW7471	5/29/2015	6/8/2015
P0987-20A	SL	SW7471	5/29/2015	6/8/2015
P0987-21A	SL	SW7471	5/29/2015	6/8/2015
P0987-22A	SL	SW7471	5/29/2015	6/8/2015
P0987-23A	SL	SW7471	5/29/2015	6/8/2015
P0987-24A	SL	SW7471	5/29/2015	6/8/2015
P0987-25A	SL	SW7471	5/29/2015	6/8/2015
P0987-26A	SL	SW7471	5/29/2015	6/8/2015
P0987-27A	SL	SW7471	5/29/2015	6/8/2015
P0987-28A	SL	SW7471	5/29/2015	6/8/2015
P0987-28ADUP	SL	SW7471	5/29/2015	6/8/2015
P0987-28AMS	SL	SW7471	5/29/2015	6/8/2015
P0987-29A	SL	SW7471	5/29/2015	6/8/2015

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0987

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/10/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0987-01A	SB-57-0-4-052715	05/27/2015 07:46	05/29/2015	Soil	PMoist	/			Y		O4
P0987-01A	SB-57-0-4-052715	05/27/2015 07:46	05/29/2015	Soil	SW6010_S	/ TAL			Y	Y	O4
P0987-01A	SB-57-0-4-052715	05/27/2015 07:46	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--			Y		O4
P0987-01A	SB-57-0-4-052715	05/27/2015 07:46	05/29/2015	Soil	SW7471	/ TAL			Y		O4
P0987-01A	SB-57-0-4-052715	05/27/2015 07:46	05/29/2015	Soil	SW8270_S	/			Y	Y	O4
P0987-01A	SB-57-0-4-052715	05/27/2015 07:46	05/29/2015	Soil	SW9012_S	/ SPECTRUM--			Y		O4
P0987-02A	SB-57-4-8-052715	05/27/2015 07:52	05/29/2015	Soil	PMoist	/					O4
P0987-02A	SB-57-4-8-052715	05/27/2015 07:52	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-02A	SB-57-4-8-052715	05/27/2015 07:52	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-02A	SB-57-4-8-052715	05/27/2015 07:52	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-02A	SB-57-4-8-052715	05/27/2015 07:52	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-02A	SB-57-4-8-052715	05/27/2015 07:52	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-03A	SB-57-8-12-052715	05/27/2015 08:00	05/29/2015	Soil	PMoist	/					O4
P0987-03A	SB-57-8-12-052715	05/27/2015 08:00	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-03A	SB-57-8-12-052715	05/27/2015 08:00	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-03A	SB-57-8-12-052715	05/27/2015 08:00	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-03A	SB-57-8-12-052715	05/27/2015 08:00	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-03A	SB-57-8-12-052715	05/27/2015 08:00	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-04A	SB-57-12-16-052715	05/27/2015 08:08	05/29/2015	Soil	PMoist	/					O4
P0987-04A	SB-57-12-16-052715	05/27/2015 08:08	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-04A	SB-57-12-16-052715	05/27/2015 08:08	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-04A	SB-57-12-16-052715	05/27/2015 08:08	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-04A	SB-57-12-16-052715	05/27/2015 08:08	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-04A	SB-57-12-16-052715	05/27/2015 08:08	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

06/03/2015 10:30 Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0987

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/10/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0987-05A	SB-57-16-20-052715	05/27/2015 08:21	05/29/2015	Soil	PMoist	/					O4
P0987-05A	SB-57-16-20-052715	05/27/2015 08:21	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-05A	SB-57-16-20-052715	05/27/2015 08:21	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-05A	SB-57-16-20-052715	05/27/2015 08:21	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-05A	SB-57-16-20-052715	05/27/2015 08:21	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-05A	SB-57-16-20-052715	05/27/2015 08:21	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-06A	SB-58-0-4-052715	05/27/2015 08:40	05/29/2015	Soil	PMoist	/					O4
P0987-06A	SB-58-0-4-052715	05/27/2015 08:40	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-06A	SB-58-0-4-052715	05/27/2015 08:40	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-06A	SB-58-0-4-052715	05/27/2015 08:40	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-06A	SB-58-0-4-052715	05/27/2015 08:40	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-06A	SB-58-0-4-052715	05/27/2015 08:40	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-07A	SB-58-4-8-052715	05/27/2015 08:49	05/29/2015	Soil	PMoist	/					O4
P0987-07A	SB-58-4-8-052715	05/27/2015 08:49	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-07A	SB-58-4-8-052715	05/27/2015 08:49	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-07A	SB-58-4-8-052715	05/27/2015 08:49	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-07A	SB-58-4-8-052715	05/27/2015 08:49	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-07A	SB-58-4-8-052715	05/27/2015 08:49	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-08A	SB-58-8-12-052715	05/27/2015 08:56	05/29/2015	Soil	PMoist	/					O4
P0987-08A	SB-58-8-12-052715	05/27/2015 08:56	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-08A	SB-58-8-12-052715	05/27/2015 08:56	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-08A	SB-58-8-12-052715	05/27/2015 08:56	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-08A	SB-58-8-12-052715	05/27/2015 08:56	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-08A	SB-58-8-12-052715	05/27/2015 08:56	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0987

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/10/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0987-09A	SB-58-12-16-052715	05/27/2015 09:08	05/29/2015	Soil	PMoist	/					O4
P0987-09A	SB-58-12-16-052715	05/27/2015 09:08	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-09A	SB-58-12-16-052715	05/27/2015 09:08	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-09A	SB-58-12-16-052715	05/27/2015 09:08	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-09A	SB-58-12-16-052715	05/27/2015 09:08	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-09A	SB-58-12-16-052715	05/27/2015 09:08	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-10A	SB-58-16-20-052715	05/27/2015 09:21	05/29/2015	Soil	PMoist	/					O4
P0987-10A	SB-58-16-20-052715	05/27/2015 09:21	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-10A	SB-58-16-20-052715	05/27/2015 09:21	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-10A	SB-58-16-20-052715	05/27/2015 09:21	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-10A	SB-58-16-20-052715	05/27/2015 09:21	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-10A	SB-58-16-20-052715	05/27/2015 09:21	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-11A	DUP-01-052715	05/27/2015 09:26	05/29/2015	Soil	PMoist	/					O4
P0987-11A	DUP-01-052715	05/27/2015 09:26	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-11A	DUP-01-052715	05/27/2015 09:26	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-11A	DUP-01-052715	05/27/2015 09:26	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-11A	DUP-01-052715	05/27/2015 09:26	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-11A	DUP-01-052715	05/27/2015 09:26	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-12A	SB-59-0-4-052715	05/27/2015 09:48	05/29/2015	Soil	PMoist	/					O4
P0987-12A	SB-59-0-4-052715	05/27/2015 09:48	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-12A	SB-59-0-4-052715	05/27/2015 09:48	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-12A	SB-59-0-4-052715	05/27/2015 09:48	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-12A	SB-59-0-4-052715	05/27/2015 09:48	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-12A	SB-59-0-4-052715	05/27/2015 09:48	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4

HF = Fraction logged in but all tests have been placed on hold

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Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0987

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/10/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0987-13A	SB-59A-8-12-052715	05/27/2015 10:51	05/29/2015	Soil	PMoist	/					O4
P0987-13A	SB-59A-8-12-052715	05/27/2015 10:51	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-13A	SB-59A-8-12-052715	05/27/2015 10:51	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-13A	SB-59A-8-12-052715	05/27/2015 10:51	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-13A	SB-59A-8-12-052715	05/27/2015 10:51	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-13A	SB-59A-8-12-052715	05/27/2015 10:51	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-14A	SB-59A-12-16-052715	05/27/2015 11:05	05/29/2015	Soil	PMoist	/					O4
P0987-14A	SB-59A-12-16-052715	05/27/2015 11:05	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-14A	SB-59A-12-16-052715	05/27/2015 11:05	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-14A	SB-59A-12-16-052715	05/27/2015 11:05	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-14A	SB-59A-12-16-052715	05/27/2015 11:05	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-14A	SB-59A-12-16-052715	05/27/2015 11:05	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-15A	SB-59A-16-20-052715	05/27/2015 11:21	05/29/2015	Soil	PMoist	/					O4
P0987-15A	SB-59A-16-20-052715	05/27/2015 11:21	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-15A	SB-59A-16-20-052715	05/27/2015 11:21	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-15A	SB-59A-16-20-052715	05/27/2015 11:21	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-15A	SB-59A-16-20-052715	05/27/2015 11:21	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-15A	SB-59A-16-20-052715	05/27/2015 11:21	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-16A	SB-60-0-4-052715	05/27/2015 12:17	05/29/2015	Soil	PMoist	/					O4
P0987-16A	SB-60-0-4-052715	05/27/2015 12:17	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-16A	SB-60-0-4-052715	05/27/2015 12:17	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-16A	SB-60-0-4-052715	05/27/2015 12:17	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-16A	SB-60-0-4-052715	05/27/2015 12:17	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-16A	SB-60-0-4-052715	05/27/2015 12:17	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4

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Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0987

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/10/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0987-17A	SB-61-0-4-052715	05/27/2015 14:12	05/29/2015	Soil	PMoist	/					O4
P0987-17A	SB-61-0-4-052715	05/27/2015 14:12	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-17A	SB-61-0-4-052715	05/27/2015 14:12	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-18A	SB-61-4-7-052715	05/27/2015 14:20	05/29/2015	Soil	PMoist	/					O4
P0987-18A	SB-61-4-7-052715	05/27/2015 14:20	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-18A	SB-61-4-7-052715	05/27/2015 14:20	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-18A	SB-61-4-7-052715	05/27/2015 14:20	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-18A	SB-61-4-7-052715	05/27/2015 14:20	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-18A	SB-61-4-7-052715	05/27/2015 14:20	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-19A	SB-61A-0-4-052715	05/27/2015 14:42	05/29/2015	Soil	PMoist	/					O4
P0987-19A	SB-61A-0-4-052715	05/27/2015 14:42	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-19A	SB-61A-0-4-052715	05/27/2015 14:42	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-19A	SB-61A-0-4-052715	05/27/2015 14:42	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-19A	SB-61A-0-4-052715	05/27/2015 14:42	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-19A	SB-61A-0-4-052715	05/27/2015 14:42	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-20A	SB-61A-4-8-052715	05/27/2015 14:45	05/29/2015	Soil	PMoist	/					O4
P0987-20A	SB-61A-4-8-052715	05/27/2015 14:45	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-20A	SB-61A-4-8-052715	05/27/2015 14:45	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-20A	SB-61A-4-8-052715	05/27/2015 14:45	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-20A	SB-61A-4-8-052715	05/27/2015 14:45	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-20A	SB-61A-4-8-052715	05/27/2015 14:45	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-21A	SB-61A-8-12-052715	05/27/2015 14:50	05/29/2015	Soil	PMoist	/					O4
P0987-21A	SB-61A-8-12-052715	05/27/2015 14:50	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-21A	SB-61A-8-12-052715	05/27/2015 14:50	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0987

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/10/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0987-21A	SB-61A-8-12-052715	05/27/2015 14:50	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-21A	SB-61A-8-12-052715	05/27/2015 14:50	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-21A	SB-61A-8-12-052715	05/27/2015 14:50	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-22A	SB-61A-12-16-052715	05/27/2015 14:55	05/29/2015	Soil	PMoist	/					O4
P0987-22A	SB-61A-12-16-052715	05/27/2015 14:55	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-22A	SB-61A-12-16-052715	05/27/2015 14:55	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-22A	SB-61A-12-16-052715	05/27/2015 14:55	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-22A	SB-61A-12-16-052715	05/27/2015 14:55	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-22A	SB-61A-12-16-052715	05/27/2015 14:55	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-23A	SB-61A-16-20-052715	05/27/2015 15:00	05/29/2015	Soil	PMoist	/					O4
P0987-23A	SB-61A-16-20-052715	05/27/2015 15:00	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-23A	SB-61A-16-20-052715	05/27/2015 15:00	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-23A	SB-61A-16-20-052715	05/27/2015 15:00	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-23A	SB-61A-16-20-052715	05/27/2015 15:00	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-23A	SB-61A-16-20-052715	05/27/2015 15:00	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-24A	SB-62-0-4-052715	05/27/2015 15:20	05/29/2015	Soil	PMoist	/					O4
P0987-24A	SB-62-0-4-052715	05/27/2015 15:20	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-24A	SB-62-0-4-052715	05/27/2015 15:20	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-24A	SB-62-0-4-052715	05/27/2015 15:20	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-24A	SB-62-0-4-052715	05/27/2015 15:20	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-24A	SB-62-0-4-052715	05/27/2015 15:20	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-25A	SB-62-4-8-052715	05/27/2015 15:30	05/29/2015	Soil	PMoist	/					O4
P0987-25A	SB-62-4-8-052715	05/27/2015 15:30	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-25A	SB-62-4-8-052715	05/27/2015 15:30	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0987

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/10/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0987-25A	SB-62-4-8-052715	05/27/2015 15:30	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-25A	SB-62-4-8-052715	05/27/2015 15:30	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-25A	SB-62-4-8-052715	05/27/2015 15:30	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-26A	SB-62-8-12-052715	05/27/2015 15:33	05/29/2015	Soil	PMoist	/					O4
P0987-26A	SB-62-8-12-052715	05/27/2015 15:33	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-26A	SB-62-8-12-052715	05/27/2015 15:33	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-26A	SB-62-8-12-052715	05/27/2015 15:33	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-26A	SB-62-8-12-052715	05/27/2015 15:33	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-26A	SB-62-8-12-052715	05/27/2015 15:33	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-27A	DUP-02-052715	05/27/2015 00:00	05/29/2015	Soil	PMoist	/					O4
P0987-27A	DUP-02-052715	05/27/2015 00:00	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-27A	DUP-02-052715	05/27/2015 00:00	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4
P0987-27A	DUP-02-052715	05/27/2015 00:00	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-27A	DUP-02-052715	05/27/2015 00:00	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-27A	DUP-02-052715	05/27/2015 00:00	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4
P0987-28A	SB-62-12-16-052715	05/27/2015 15:37	05/29/2015	Soil	PMoist	/			Y		O4
P0987-28A	SB-62-12-16-052715	05/27/2015 15:37	05/29/2015	Soil	SW6010_S	/ TAL			Y	Y	O4
P0987-28A	SB-62-12-16-052715	05/27/2015 15:37	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--			Y		O4
P0987-28A	SB-62-12-16-052715	05/27/2015 15:37	05/29/2015	Soil	SW7471	/ TAL			Y		O4
P0987-28A	SB-62-12-16-052715	05/27/2015 15:37	05/29/2015	Soil	SW8270_S	/			Y	Y	O4
P0987-28A	SB-62-12-16-052715	05/27/2015 15:37	05/29/2015	Soil	SW9012_S	/ SPECTRUM--			Y		O4
P0987-29A	SB-62-16-20-052715	05/27/2015 15:40	05/29/2015	Soil	PMoist	/					O4
P0987-29A	SB-62-16-20-052715	05/27/2015 15:40	05/29/2015	Soil	SW6010_S	/ TAL				Y	O4
P0987-29A	SB-62-16-20-052715	05/27/2015 15:40	05/29/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O4

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0987

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
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HC Due: 06/10/15
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Report Level: ASP-B
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Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0987-29A	SB-62-16-20-052715	05/27/2015 15:40	05/29/2015	Soil	SW7471	/ TAL					O4
P0987-29A	SB-62-16-20-052715	05/27/2015 15:40	05/29/2015	Soil	SW8270_S	/				Y	O4
P0987-29A	SB-62-16-20-052715	05/27/2015 15:40	05/29/2015	Soil	SW9012_S	/ SPECTRUM--					O4

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* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: P0987

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3550B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S3
Instrument Type: GCMS-SEMI

Description: HP6890 / HP5973
Manufacturer: Hewlett-Packard
Model: 6890 / 5973
GC Column used: 30 m X 0.25 mm ID [0.25 um thickness] ZB-Semi capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

SB-62-12-16-052715 (P0987-28A), recovery is below criteria for 2,4,6-Tribromophenol at 29% with criteria of (35-125).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on samples: SB-57-0-4-052715 (P0987-01AMS), SB-57-0-4-052715 (P0987-01AMSD), SB-62-12-16-052715 (P0987-28AMS) and SB-62-12-16-052715 (P0987-28AMSD).

Percent recoveries were within the QC limits.

Replicate RPDs were within the advisory QC limits.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

Manual integrations were performed on the following:

SB-57-0-4-052715 (P0987-01A) Benzo(k)fluoranthene due to M2

SB-57-4-8-052715 (P0987-02A) Benzo(k)fluoranthene due to M2

SB-57-8-12-052715 (P0987-03A) Benzo(k)fluoranthene due to M2

SB-58-0-4-052715 (P0987-06A) Benzo(k)fluoranthene due to M2

SB-58-8-12-052715 (P0987-08A) Benzo(k)fluoranthene due to M2

SB-59A-8-12-052715 (P0987-13A) Benzo(k)fluoranthene due to M2

SB-60-0-4-052715 (P0987-16A) Benzo(k)fluoranthene due to M2

SB-61-4-7-052715 (P0987-18A) Benzo(b)fluoranthene , Benzo(k)fluoranthene due to M2

SB-61A-0-4-052715 (P0987-19A) Benzo(b)fluoranthene , Benzo(k)fluoranthene due to M2

SB-61A-4-8-052715 (P0987-20A) Benzo(k)fluoranthene due to M2

SB-62-0-4-052715 (P0987-24A) Benzo(k)fluoranthene due to M2

SB-62-4-8-052715 (P0987-25A) Benzo(k)fluoranthene due to M2

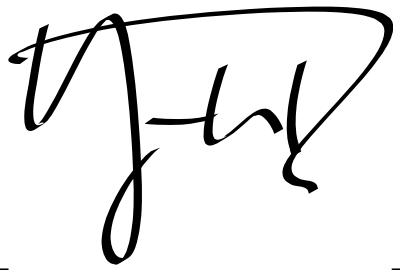
SB-62-8-12-052715 (P0987-26A) Benzo(b)fluoranthene , Benzo(k)fluoranthene due to M2

SB-62-8-12-052715 (P0987-26A) Benzo(a)anthracene , Benzo(a)pyrene, Benzo(g,h,i)perylene, Chrysene, Indeno(1,2,3-cd)pyrene due to M6

DUP-02-052715 (P0987-27A) Benzo(b)fluoranthene , Benzo(k)fluoranthene due to M2

DUP-02-052715 (P0987-27A) Benzo(a)anthracene , Dibenzo(a,h)anthracene due to M6

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____6/11/2015_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either

- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-57-0-4-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-01A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4085.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 26 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
95-48-7	2-Methylphenol	440	U
106-44-5	4-Methylphenol	440	U
91-20-3	Naphthalene	100	J
208-96-8	Acenaphthylene	440	U
83-32-9	Acenaphthene	220	J
86-73-7	Fluorene	440	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	460	
120-12-7	Anthracene	130	J
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	980	
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1200	
205-99-2	Benzo(b)fluoranthene	2200	
207-08-9	Benzo(k)fluoranthene	860	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenzo(a,h)anthracene	370	J
191-24-2	Benzo(g,h,i)perylene	1600	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-57-4-8-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-02A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3J4088.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
86-73-7	Fluorene	370	U
87-86-5	Pentachlorophenol	750	U
85-01-8	Phenanthrene	190	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	330	J
129-00-0	Pyrene	270	J
56-55-3	Benzo(a)anthracene	290	J
218-01-9	Chrysene	310	J
205-99-2	Benzo(b)fluoranthene	580	
207-08-9	Benzo(k)fluoranthene	200	J
50-32-8	Benzo(a)pyrene	470	
193-39-5	Indeno(1,2,3-cd)pyrene	450	
53-70-3	Dibenzo(a,h)anthracene	88	J
191-24-2	Benzo(g,h,i)perylene	430	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-57-8-12-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-03A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4089.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 51 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	650	U
95-48-7	2-Methylphenol	650	U
106-44-5	4-Methylphenol	650	U
91-20-3	Naphthalene	650	U
208-96-8	Acenaphthylene	650	U
83-32-9	Acenaphthene	650	U
86-73-7	Fluorene	650	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	650	U
206-44-0	Fluoranthene	270	J
129-00-0	Pyrene	230	J
56-55-3	Benzo(a)anthracene	210	J
218-01-9	Chrysene	260	J
205-99-2	Benzo(b)fluoranthene	300	J
207-08-9	Benzo(k)fluoranthene	130	J
50-32-8	Benzo(a)pyrene	230	J
193-39-5	Indeno(1,2,3-cd)pyrene	190	J
53-70-3	Dibenzo(a,h)anthracene	650	U
191-24-2	Benzo(g,h,i)perylene	180	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-57-12-16-0527 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-04A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4090.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	420	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-57-16-20-0527 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-05A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4091.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
95-48-7	2-Methylphenol	440	U
106-44-5	4-Methylphenol	440	U
91-20-3	Naphthalene	440	U
208-96-8	Acenaphthylene	440	U
83-32-9	Acenaphthene	440	U
86-73-7	Fluorene	440	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
206-44-0	Fluoranthene	440	U
129-00-0	Pyrene	440	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	440	U
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-58-0-4-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-06A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4092.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	88	J
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	180	J
129-00-0	Pyrene	160	J
56-55-3	Benzo(a)anthracene	140	J
218-01-9	Chrysene	180	J
205-99-2	Benzo(b)fluoranthene	250	J
207-08-9	Benzo(k)fluoranthene	79	J
50-32-8	Benzo(a)pyrene	140	J
193-39-5	Indeno(1,2,3-cd)pyrene	130	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	110	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-58-4-8-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-07A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4093.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-58-8-12-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-08A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3J4094.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 44 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	570	U
95-48-7	2-Methylphenol	570	U
106-44-5	4-Methylphenol	570	U
91-20-3	Naphthalene	570	U
208-96-8	Acenaphthylene	570	U
83-32-9	Acenaphthene	570	U
86-73-7	Fluorene	570	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	230	J
120-12-7	Anthracene	570	U
206-44-0	Fluoranthene	300	J
129-00-0	Pyrene	230	J
56-55-3	Benzo(a)anthracene	160	J
218-01-9	Chrysene	240	J
205-99-2	Benzo(b)fluoranthene	250	J
207-08-9	Benzo(k)fluoranthene	100	J
50-32-8	Benzo(a)pyrene	180	J
193-39-5	Indeno(1,2,3-cd)pyrene	140	J
53-70-3	Dibenzo(a,h)anthracene	570	U
191-24-2	Benzo(g,h,i)perylene	130	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-58-12-16-0527 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-09A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4095.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-58-16-20-0527 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-10A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4096.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 28 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
95-48-7	2-Methylphenol	450	U
106-44-5	4-Methylphenol	450	U
91-20-3	Naphthalene	450	U
208-96-8	Acenaphthylene	450	U
83-32-9	Acenaphthene	450	U
86-73-7	Fluorene	450	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	450	U
120-12-7	Anthracene	450	U
206-44-0	Fluoranthene	450	U
129-00-0	Pyrene	450	U
56-55-3	Benzo(a)anthracene	450	U
218-01-9	Chrysene	450	U
205-99-2	Benzo(b)fluoranthene	450	U
207-08-9	Benzo(k)fluoranthene	450	U
50-32-8	Benzo(a)pyrene	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
53-70-3	Dibenzo(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	450	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-01-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-11A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4097.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	420	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-59-0-4-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-12A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4098.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	87	J
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	190	J
129-00-0	Pyrene	130	J
56-55-3	Benzo(a)anthracene	110	J
218-01-9	Chrysene	95	J
205-99-2	Benzo(b)fluoranthene	120	J
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-59A-8-12-0527 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-13A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4099.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 44 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	580	U
95-48-7	2-Methylphenol	580	U
106-44-5	4-Methylphenol	580	U
91-20-3	Naphthalene	580	U
208-96-8	Acenaphthylene	580	U
83-32-9	Acenaphthene	580	U
86-73-7	Fluorene	580	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	580	U
206-44-0	Fluoranthene	220	J
129-00-0	Pyrene	170	J
56-55-3	Benzo(a)anthracene	120	J
218-01-9	Chrysene	160	J
205-99-2	Benzo(b)fluoranthene	160	J
207-08-9	Benzo(k)fluoranthene	86	J
50-32-8	Benzo(a)pyrene	120	J
193-39-5	Indeno(1,2,3-cd)pyrene	580	U
53-70-3	Dibenzo(a,h)anthracene	580	U
191-24-2	Benzo(g,h,i)perylene	580	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-59A-12-16-052
715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-14A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4100.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-59A-16-20-052 715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-15A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4101.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	420	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-60-0-4-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-16A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3J4102.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 11 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	360	U
86-73-7	Fluorene	360	U
87-86-5	Pentachlorophenol	730	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	96	J
56-55-3	Benzo(a)anthracene	140	J
218-01-9	Chrysene	250	J
205-99-2	Benzo(b)fluoranthene	200	J
207-08-9	Benzo(k)fluoranthene	89	J
50-32-8	Benzo(a)pyrene	120	J
193-39-5	Indeno(1,2,3-cd)pyrene	90	J
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	85	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-61-4-7-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-18A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4103.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 34 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	500	U
95-48-7	2-Methylphenol	500	U
106-44-5	4-Methylphenol	120	J
91-20-3	Naphthalene	350	J
208-96-8	Acenaphthylene	130	J
83-32-9	Acenaphthene	530	
86-73-7	Fluorene	370	J
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	520	
206-44-0	Fluoranthene	2200	
129-00-0	Pyrene	2500	
56-55-3	Benzo(a)anthracene	2000	
218-01-9	Chrysene	2400	
205-99-2	Benzo(b)fluoranthene	3400	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	2900	
193-39-5	Indeno(1,2,3-cd)pyrene	2500	
53-70-3	Dibenzo(a,h)anthracene	630	
191-24-2	Benzo(g,h,i)perylene	2400	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-61A-0-4-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-19A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4104.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	300	J
208-96-8	Acenaphthylene	100	J
83-32-9	Acenaphthene	170	J
86-73-7	Fluorene	450	
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	500	
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1500	
56-55-3	Benzo(a)anthracene	1100	
218-01-9	Chrysene	1500	
205-99-2	Benzo(b)fluoranthene	2000	
207-08-9	Benzo(k)fluoranthene	610	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	1200	
53-70-3	Dibenzo(a,h)anthracene	340	J
191-24-2	Benzo(g,h,i)perylene	1200	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-61A-4-8-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-20A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4105.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	300	J
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	140	J
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	660	
120-12-7	Anthracene	180	J
206-44-0	Fluoranthene	870	
129-00-0	Pyrene	600	
56-55-3	Benzo(a)anthracene	220	J
218-01-9	Chrysene	230	J
205-99-2	Benzo(b)fluoranthene	240	J
207-08-9	Benzo(k)fluoranthene	97	J
50-32-8	Benzo(a)pyrene	160	J
193-39-5	Indeno(1,2,3-cd)pyrene	110	J
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	110	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-61A-8-12-0527 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-21A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4054.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 50 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	140	J
95-48-7	2-Methylphenol	650	U
106-44-5	4-Methylphenol	170	J
91-20-3	Naphthalene	650	U
208-96-8	Acenaphthylene	650	U
83-32-9	Acenaphthene	650	U
86-73-7	Fluorene	650	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	650	U
120-12-7	Anthracene	650	U
206-44-0	Fluoranthene	200	J
129-00-0	Pyrene	170	J
56-55-3	Benzo(a)anthracene	650	U
218-01-9	Chrysene	650	U
205-99-2	Benzo(b)fluoranthene	130	J
207-08-9	Benzo(k)fluoranthene	650	U
50-32-8	Benzo(a)pyrene	650	U
193-39-5	Indeno(1,2,3-cd)pyrene	650	U
53-70-3	Dibenzo(a,h)anthracene	650	U
191-24-2	Benzo(g,h,i)perylene	650	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-61A-12-16-052 715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-22A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4055.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 40 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	120	J
95-48-7	2-Methylphenol	540	U
106-44-5	4-Methylphenol	540	U
91-20-3	Naphthalene	540	U
208-96-8	Acenaphthylene	540	U
83-32-9	Acenaphthene	540	U
86-73-7	Fluorene	540	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	540	U
120-12-7	Anthracene	540	U
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	540	U
56-55-3	Benzo(a)anthracene	540	U
218-01-9	Chrysene	540	U
205-99-2	Benzo(b)fluoranthene	540	U
207-08-9	Benzo(k)fluoranthene	540	U
50-32-8	Benzo(a)pyrene	540	U
193-39-5	Indeno(1,2,3-cd)pyrene	540	U
53-70-3	Dibenzo(a,h)anthracene	540	U
191-24-2	Benzo(g,h,i)perylene	540	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-61A-16-20-052
715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-23A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3J4056.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-62-0-4-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-24A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3J4057.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	110	J
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	200	J
86-73-7	Fluorene	88	J
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	1000	
120-12-7	Anthracene	250	J
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	1500	
56-55-3	Benzo(a)anthracene	1300	
218-01-9	Chrysene	1500	
205-99-2	Benzo(b)fluoranthene	2300	
207-08-9	Benzo(k)fluoranthene	570	
50-32-8	Benzo(a)pyrene	1600	
193-39-5	Indeno(1,2,3-cd)pyrene	1400	
53-70-3	Dibenzo(a,h)anthracene	360	J
191-24-2	Benzo(g,h,i)perylene	1400	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-62-4-8-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-25A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4058.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	140	J
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	86	J
86-73-7	Fluorene	100	J
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	780	
120-12-7	Anthracene	180	J
206-44-0	Fluoranthene	2500	
129-00-0	Pyrene	2700	
56-55-3	Benzo(a)anthracene	2500	
218-01-9	Chrysene	3100	
205-99-2	Benzo(b)fluoranthene	4800	
207-08-9	Benzo(k)fluoranthene	1800	
50-32-8	Benzo(a)pyrene	3700	
193-39-5	Indeno(1,2,3-cd)pyrene	3000	
53-70-3	Dibenzo(a,h)anthracene	780	
191-24-2	Benzo(g,h,i)perylene	3100	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-62-8-12-05271 5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-26A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4059.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	370	J
208-96-8	Acenaphthylene	89	J
83-32-9	Acenaphthene	220	J
86-73-7	Fluorene	1600	
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	5000	
120-12-7	Anthracene	920	
206-44-0	Fluoranthene	1900	
129-00-0	Pyrene	2600	
56-55-3	Benzo(a)anthracene	1100	
218-01-9	Chrysene	1700	
205-99-2	Benzo(b)fluoranthene	470	
207-08-9	Benzo(k)fluoranthene	500	
50-32-8	Benzo(a)pyrene	330	J
193-39-5	Indeno(1,2,3-cd)pyrene	280	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	390	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-02-052715

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-27A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4060.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	370	J
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	210	J
86-73-7	Fluorene	1500	
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	5000	
120-12-7	Anthracene	1100	
206-44-0	Fluoranthene	2000	
129-00-0	Pyrene	3000	
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1900	
205-99-2	Benzo(b)fluoranthene	640	
207-08-9	Benzo(k)fluoranthene	550	
50-32-8	Benzo(a)pyrene	410	J
193-39-5	Indeno(1,2,3-cd)pyrene	300	J
53-70-3	Dibenzo(a,h)anthracene	140	J
191-24-2	Benzo(g,h,i)perylene	420	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-62-12-16-0527 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-28A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4061.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	440	
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-62-16-20-0527 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-29A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4064.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	420	U
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-82308

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-82308

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4083.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-82316

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-82316

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4052.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-82308

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-82308

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4084.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2500	
95-48-7	2-Methylphenol	2500	
106-44-5	4-Methylphenol	2600	
91-20-3	Naphthalene	2400	
208-96-8	Acenaphthylene	2500	
83-32-9	Acenaphthene	2500	
86-73-7	Fluorene	2600	
87-86-5	Pentachlorophenol	2800	
85-01-8	Phenanthrene	2800	
120-12-7	Anthracene	2700	
206-44-0	Fluoranthene	2700	
129-00-0	Pyrene	2700	
56-55-3	Benzo(a)anthracene	2800	
218-01-9	Chrysene	2900	
205-99-2	Benzo(b)fluoranthene	2600	
207-08-9	Benzo(k)fluoranthene	2700	
50-32-8	Benzo(a)pyrene	2700	
193-39-5	Indeno(1,2,3-cd)pyrene	3200	
53-70-3	Dibenzo(a,h)anthracene	3000	
191-24-2	Benzo(g,h,i)perylene	3100	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-82316

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-82316

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4053.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2800	
95-48-7	2-Methylphenol	2800	
106-44-5	4-Methylphenol	2800	
91-20-3	Naphthalene	2800	
208-96-8	Acenaphthylene	2800	
83-32-9	Acenaphthene	2800	
86-73-7	Fluorene	2700	
87-86-5	Pentachlorophenol	2400	
85-01-8	Phenanthrene	2800	
120-12-7	Anthracene	2700	
206-44-0	Fluoranthene	2600	
129-00-0	Pyrene	2700	
56-55-3	Benzo(a)anthracene	2800	
218-01-9	Chrysene	2800	
205-99-2	Benzo(b)fluoranthene	2800	
207-08-9	Benzo(k)fluoranthene	2600	
50-32-8	Benzo(a)pyrene	2700	
193-39-5	Indeno(1,2,3-cd)pyrene	2900	
53-70-3	Dibenzo(a,h)anthracene	2800	
191-24-2	Benzo(g,h,i)perylene	2900	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-57-0-4-052715 MS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-01AMS

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4086.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 26 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3200	
95-48-7	2-Methylphenol	3100	
106-44-5	4-Methylphenol	3200	
91-20-3	Naphthalene	3200	
208-96-8	Acenaphthylene	3400	
83-32-9	Acenaphthene	3600	
86-73-7	Fluorene	3400	
87-86-5	Pentachlorophenol	3200	
85-01-8	Phenanthrene	3900	
120-12-7	Anthracene	3500	
206-44-0	Fluoranthene	4400	
129-00-0	Pyrene	4100	
56-55-3	Benzo(a)anthracene	4800	
218-01-9	Chrysene	4500	
205-99-2	Benzo(b)fluoranthene	5400	
207-08-9	Benzo(k)fluoranthene	4200	
50-32-8	Benzo(a)pyrene	4900	
193-39-5	Indeno(1,2,3-cd)pyrene	5700	
53-70-3	Dibenzo(a,h)anthracene	3800	
191-24-2	Benzo(g,h,i)perylene	4900	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-57-0-4-052715 MSD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-01AMSD

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4087.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 26 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/05/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3100	
95-48-7	2-Methylphenol	3100	
106-44-5	4-Methylphenol	3200	
91-20-3	Naphthalene	3200	
208-96-8	Acenaphthylene	3400	
83-32-9	Acenaphthene	3600	
86-73-7	Fluorene	3400	
87-86-5	Pentachlorophenol	3400	
85-01-8	Phenanthrene	4200	
120-12-7	Anthracene	3600	
206-44-0	Fluoranthene	4700	
129-00-0	Pyrene	4300	
56-55-3	Benzo(a)anthracene	4900	
218-01-9	Chrysene	4700	
205-99-2	Benzo(b)fluoranthene	6400	
207-08-9	Benzo(k)fluoranthene	3900	
50-32-8	Benzo(a)pyrene	5300	
193-39-5	Indeno(1,2,3-cd)pyrene	6000	
53-70-3	Dibenzo(a,h)anthracene	4100	
191-24-2	Benzo(g,h,i)perylene	5200	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-62-12-16-0527 15MS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-28AMS

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4062.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2900	
95-48-7	2-Methylphenol	2900	
106-44-5	4-Methylphenol	3000	
91-20-3	Naphthalene	2800	
208-96-8	Acenaphthylene	2900	
83-32-9	Acenaphthene	2900	
86-73-7	Fluorene	3000	
87-86-5	Pentachlorophenol	3200	
85-01-8	Phenanthrene	3100	
120-12-7	Anthracene	2900	
206-44-0	Fluoranthene	3000	
129-00-0	Pyrene	2900	
56-55-3	Benzo(a)anthracene	3100	
218-01-9	Chrysene	3000	
205-99-2	Benzo(b)fluoranthene	3100	
207-08-9	Benzo(k)fluoranthene	2900	
50-32-8	Benzo(a)pyrene	2900	
193-39-5	Indeno(1,2,3-cd)pyrene	3000	
53-70-3	Dibenzo(a,h)anthracene	2900	
191-24-2	Benzo(g,h,i)perylene	2900	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-62-12-16-0527 15MSD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0987-28AMSD

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3J4063.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/29/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3200	
95-48-7	2-Methylphenol	3100	
106-44-5	4-Methylphenol	3100	
91-20-3	Naphthalene	3000	
208-96-8	Acenaphthylene	3100	
83-32-9	Acenaphthene	3100	
86-73-7	Fluorene	3000	
87-86-5	Pentachlorophenol	3300	
85-01-8	Phenanthrene	3200	
120-12-7	Anthracene	3100	
206-44-0	Fluoranthene	3200	
129-00-0	Pyrene	3000	
56-55-3	Benzo(a)anthracene	3300	
218-01-9	Chrysene	3000	
205-99-2	Benzo(b)fluoranthene	3200	
207-08-9	Benzo(k)fluoranthene	3100	
50-32-8	Benzo(a)pyrene	3100	
193-39-5	Indeno(1,2,3-cd)pyrene	3300	
53-70-3	Dibenzo(a,h)anthracene	3100	
191-24-2	Benzo(g,h,i)perylene	3100	

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-82316	72	72	72	72	81	69			0
02	LCS-82316	91	89	85	88	98	90			0
03	SB-61A-8-12-052715	68	75	71	70	70	74			0
04	SB-61A-12-16-052715	69	73	67	69	75	72			0
05	SB-61A-16-20-052715	68	73	70	64	57	42			0
06	SB-62-0-4-052715	73	75	69	71	78	76			0
07	SB-62-4-8-052715	59	64	60	61	67	66			0
08	SB-62-8-12-052715	69	76	68	66	68	86			0
09	DUP-02-052715	70	84	90	68	70	85			0
10	SB-62-12-16-052715	71	77	68	64	55	29 *			1
11	SB-62-12-16-052715MS	61	65	62	63	67	69			0
12	SB-62-12-16-052715MSD	69	71	66	70	76	77			0
13	SB-62-16-20-052715	63	68	62	64	69	59			0
14	MB-82308	92	96	93	88	99	97			0
15	LCS-82308	77	76	82	76	85	87			0
16	SB-57-0-4-052715	75	82	71	75	82	88			0
17	SB-57-0-4-052715MS	75	80	74	74	81	87			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
18	SB-57-0-4-052715MSD	71	76	74	69	76	84			0
19	SB-57-4-8-052715	68	75	65	68	76	76			0
20	SB-57-8-12-052715	79	81	70	77	85	88			0
21	SB-57-12-16-052715	78	81	74	73	76	76			0
22	SB-57-16-20-052715	71	74	69	67	67	65			0
23	SB-58-0-4-052715	71	75	69	71	78	82			0
24	SB-58-4-8-052715	73	76	72	71	76	77			0
25	SB-58-8-12-052715	59	78	74	66	66	91			0
26	SB-58-12-16-052715	76	79	72	71	70	66			0
27	SB-58-16-20-052715	76	78	73	76	82	82			0
28	DUP-01-052715	81	83	70	78	81	70			0
29	SB-59-0-4-052715	69	73	64	69	75	77			0
30	SB-59A-8-12-052715	51	57	71	58	59	84			0
31	SB-59A-12-16-052715	72	74	60	68	74	66			0
32	SB-59A-16-20-052715	70	73	61	66	67	61			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
33	SB-60-0-4-052715	68	72	60	66	68	59			0
34	SB-61-4-7-052715	62	67	70	68	67	74			0
35	SB-61A-0-4-052715	68	76	73	67	73	76			0
36	SB-61A-4-8-052715	59	66	68	59	65	74			0

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(35-100)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH)	= Terphenyl-d14	(30-125)
SDMC4	(PHL)	= Phenol-d5	(40-100)
SDMC5	(2FP)	= 2-Fluorophenol	(35-105)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix Spike - EPA Sample No.: SB-57-0-4-052715

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS %REC	#	QC. LIMITS REC.
Phenol	4403.6483	0.0000	3161.1943	72		40-100
2-Methylphenol	4403.6483	0.0000	3107.9530	71		40-105
4-Methylphenol	4403.6483	0.0000	3248.6253	74		40-105
Naphthalene	4403.6483	102.8887	3242.0112	71		40-105
Acenaphthylene	4403.6483	0.0000	3365.9890	76		45-105
Acenaphthene	4403.6483	219.0943	3557.4968	76		45-110
Fluorene	4403.6483	0.0000	3397.3562	77		50-110
Pentachlorophenol	4403.6483	0.0000	3235.7586	73		25-120
Phenanthrene	4403.6483	462.0318	3924.6200	79		50-110
Anthracene	4403.6483	133.3680	3530.2146	77		55-105
Fluoranthene	4403.6483	1042.8043	4410.0122	76		55-115
Pyrene	4403.6483	978.7468	4105.8641	71		45-125
Benzo(a)anthracene	4403.6483	1042.4513	4768.0065	85		50-110
Chrysene	4403.6483	1222.0370	4543.1808	75		55-110
Benzo(b)fluoranthene	4403.6483	2207.4574	5417.3448	73		45-115
Benzo(k)fluoranthene	4403.6483	862.3284	4237.9592	77		45-125
Benzo(a)pyrene	4403.6483	1668.2256	4941.8263	74		50-110
Indeno(1,2,3-cd)pyrene	4403.6483	1588.2704	5711.8590	94		40-120
Dibenzo(a,h)anthracene	4403.6483	374.8120	3806.6517	78		40-125
Benzo(g,h,i)perylene	4403.6483	1597.1828	4888.2343	75		40-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	4521.0790	3080.8868	68		5		0-40	40-100
2-Methylphenol	4521.0790	3080.8957	68		4		0-40	40-105
4-Methylphenol	4521.0790	3232.4266	71		3		0-40	40-105
Naphthalene	4521.0790	3203.3361	69		4		0-40	40-105
Acenaphthylene	4521.0790	3376.3859	75		2		0-40	45-105
Acenaphthene	4521.0790	3593.5975	75		2		0-40	45-110
Fluorene	4521.0790	3417.7540	76		2		0-40	50-110
Pentachlorophenol	4521.0790	3368.2057	75		1		0-40	25-120
Phenanthrene	4521.0790	4205.9026	83		5		0-40	50-110
Anthracene	4521.0790	3614.5523	77		0		0-40	55-105
Fluoranthene	4521.0790	4699.6309	81		6		0-40	55-115
Pyrene	4521.0790	4313.8520	74		4		0-40	45-125
Benzo(a)anthracene	4521.0790	4875.8379	85		0		0-40	50-110
Chrysene	4521.0790	4734.6563	78		3		0-40	55-110
Benzo(b)fluoranthene	4521.0790	6352.7692	92		23		0-40	45-115
Benzo(k)fluoranthene	4521.0790	3943.8370	68		12		0-40	45-125
Benzo(a)pyrene	4521.0790	5316.6661	81		8		0-40	50-110
Indeno(1,2,3-cd)pyrene	4521.0790	6024.6732	98		5		0-40	40-120
Dibenzo(a,h)anthracene	4521.0790	4067.8034	82		5		0-40	40-125
Benzo(g,h,i)perylene	4521.0790	5170.8515	79		6		0-40	40-125

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix Spike - EPA Sample No.: SB-57-0-4-052715

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

COMMENTS:

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix Spike - EPA Sample No.: SB-62-12-16-052715

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS %REC	#	QC. LIMITS REC.
Phenol	4115.5912	0.0000	2885.7274	70		40-100
2-Methylphenol	4115.5912	0.0000	2870.1739	70		40-105
4-Methylphenol	4115.5912	0.0000	2986.8705	73		40-105
Naphthalene	4115.5912	0.0000	2810.5799	68		40-105
Acenaphthylene	4115.5912	0.0000	2916.0001	71		45-105
Acenaphthene	4115.5912	0.0000	2942.8003	72		45-110
Fluorene	4115.5912	0.0000	2964.1041	72		50-110
Pentachlorophenol	4115.5912	0.0000	3215.3047	78		25-120
Phenanthrene	4115.5912	0.0000	3070.3034	75		50-110
Anthracene	4115.5912	0.0000	2948.7335	72		55-105
Fluoranthene	4115.5912	0.0000	3029.1346	74		55-115
Pyrene	4115.5912	0.0000	2882.6023	70		45-125
Benzo(a)anthracene	4115.5912	0.0000	3126.3538	76		50-110
Chrysene	4115.5912	0.0000	2953.3632	72		55-110
Benzo(b)fluoranthene	4115.5912	0.0000	3085.8448	75		45-115
Benzo(k)fluoranthene	4115.5912	0.0000	2871.8324	70		45-125
Benzo(a)pyrene	4115.5912	436.4281	2945.3242	61		50-110
Indeno(1,2,3-cd)pyrene	4115.5912	0.0000	3049.1906	74		40-120
Dibenzo(a,h)anthracene	4115.5912	0.0000	2943.6842	72		40-125
Benzo(g,h,i)perylene	4115.5912	0.0000	2876.2991	70		40-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	3982.8302	3167.4964	80		13		0-40	40-100
2-Methylphenol	3982.8302	3054.8451	77		10		0-40	40-105
4-Methylphenol	3982.8302	3149.2053	79		9		0-40	40-105
Naphthalene	3982.8302	3031.7534	76		11		0-40	40-105
Acenaphthylene	3982.8302	3088.5298	78		9		0-40	45-105
Acenaphthene	3982.8302	3080.6553	77		8		0-40	45-110
Fluorene	3982.8302	3044.9732	76		6		0-40	50-110
Pentachlorophenol	3982.8302	3325.7370	84		7		0-40	25-120
Phenanthrene	3982.8302	3209.5985	81		8		0-40	50-110
Anthracene	3982.8302	3055.4957	77		7		0-40	55-105
Fluoranthene	3982.8302	3196.5284	80		9		0-40	55-115
Pyrene	3982.8302	2970.6214	75		6		0-40	45-125
Benzo(a)anthracene	3982.8302	3306.2789	83		9		0-40	50-110
Chrysene	3982.8302	3045.0928	76		6		0-40	55-110
Benzo(b)fluoranthene	3982.8302	3155.1321	79		5		0-40	45-115
Benzo(k)fluoranthene	3982.8302	3135.8619	79		12		0-40	45-125
Benzo(a)pyrene	3982.8302	3067.5688	66		8		0-40	50-110
Indeno(1,2,3-cd)pyrene	3982.8302	3310.3790	83		11		0-40	40-120
Dibenzo(a,h)anthracene	3982.8302	3052.5766	77		7		0-40	40-125
Benzo(g,h,i)perylene	3982.8302	3061.5227	77		10		0-40	40-125

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Matrix Spike - EPA Sample No.: SB-62-12-16-052715

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-82308

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Lab Sample ID: LCS-82308 LCS Lot No.: A0104828

Date Extracted: 06/01/2015 Date Analyzed (1): 06/05/2015

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2528.5150	76		40 - 100
2-Methylphenol	3333.0000	0.0000	2473.8080	74		40 - 105
4-Methylphenol	3333.0000	0.0000	2564.0171	77		40 - 105
Naphthalene	3333.0000	0.0000	2419.1276	73		40 - 105
Acenaphthylene	3333.0000	0.0000	2537.3409	76		45 - 105
Acenaphthene	3333.0000	0.0000	2525.5296	76		45 - 110
Fluorene	3333.0000	0.0000	2554.0852	77		50 - 110
Pentachlorophenol	3333.0000	0.0000	2761.1630	83		25 - 120
Phenanthrene	3333.0000	0.0000	2782.9723	83		50 - 110
Anthracene	3333.0000	0.0000	2694.3316	81		55 - 105
Fluoranthene	3333.0000	0.0000	2704.4602	81		55 - 115
Pyrene	3333.0000	0.0000	2696.4074	81		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2829.9380	85		50 - 110
Chrysene	3333.0000	0.0000	2873.1808	86		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2594.6968	78		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2704.6466	81		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2733.6083	82		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	3182.8484	95		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2960.5834	89		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	3064.2353	92		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-82316

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Lab Sample ID: LCS-82316 LCS Lot No.: A0104828

Date Extracted: 06/01/2015 Date Analyzed (1): 06/04/2015

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2793.5013	84		40 - 100
2-Methylphenol	3333.0000	0.0000	2760.1420	83		40 - 105
4-Methylphenol	3333.0000	0.0000	2829.8367	85		40 - 105
Naphthalene	3333.0000	0.0000	2757.7679	83		40 - 105
Acenaphthylene	3333.0000	0.0000	2773.8969	83		45 - 105
Acenaphthene	3333.0000	0.0000	2802.7484	84		45 - 110
Fluorene	3333.0000	0.0000	2720.6324	82		50 - 110
Pentachlorophenol	3333.0000	0.0000	2424.5081	73		25 - 120
Phenanthrene	3333.0000	0.0000	2832.4618	85		50 - 110
Anthracene	3333.0000	0.0000	2717.8468	82		55 - 105
Fluoranthene	3333.0000	0.0000	2585.0197	78		55 - 115
Pyrene	3333.0000	0.0000	2720.7035	82		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2846.2761	85		50 - 110
Chrysene	3333.0000	0.0000	2792.1169	84		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2783.6085	84		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2641.6777	79		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2690.9410	81		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	2876.8024	86		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2846.5703	85		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	2907.5783	87		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-82316

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Lab File ID: S3J4052.D Lab Sample ID: MB-82316

Instrument ID: S3 Date Extracted: 06/01/2015

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 06/04/2015

Level: (LOW/MED) LOW Time Analyzed: 13:04

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-82316	LCS-82316	S3J4053.D	06/04/2015
02	SB-61A-8-12-052715	P0987-21A	S3J4054.D	06/04/2015
03	SB-61A-12-16-052715	P0987-22A	S3J4055.D	06/04/2015
04	SB-61A-16-20-052715	P0987-23A	S3J4056.D	06/04/2015
05	SB-62-0-4-052715	P0987-24A	S3J4057.D	06/04/2015
06	SB-62-4-8-052715	P0987-25A	S3J4058.D	06/04/2015
07	SB-62-8-12-052715	P0987-26A	S3J4059.D	06/04/2015
08	DUP-02-052715	P0987-27A	S3J4060.D	06/04/2015
09	SB-62-12-16-052715	P0987-28A	S3J4061.D	06/04/2015
10	SB-62-12-16-052715MS	P0987-28AMS	S3J4062.D	06/04/2015
11	SB-62-12-16-052715MSD	P0987-28AMSD	S3J4063.D	06/04/2015
12	SB-62-16-20-052715	P0987-29A	S3J4064.D	06/04/2015

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-82308

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Lab File ID: S3J4083.D Lab Sample ID: MB-82308

Instrument ID: S3 Date Extracted: 06/01/2015

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 06/05/2015

Level: (LOW/MED) LOW Time Analyzed: 13:24

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-82308	LCS-82308	S3J4084.D	06/05/2015
02	SB-57-0-4-052715	P0987-01A	S3J4085.D	06/05/2015
03	SB-57-0-4-052715MS	P0987-01AMS	S3J4086.D	06/05/2015
04	SB-57-0-4-052715MSD	P0987-01AMSD	S3J4087.D	06/05/2015
05	SB-57-4-8-052715	P0987-02A	S3J4088.D	06/05/2015
06	SB-57-8-12-052715	P0987-03A	S3J4089.D	06/05/2015
07	SB-57-12-16-052715	P0987-04A	S3J4090.D	06/05/2015
08	SB-57-16-20-052715	P0987-05A	S3J4091.D	06/05/2015
09	SB-58-0-4-052715	P0987-06A	S3J4092.D	06/05/2015
10	SB-58-4-8-052715	P0987-07A	S3J4093.D	06/05/2015
11	SB-58-8-12-052715	P0987-08A	S3J4094.D	06/05/2015
12	SB-58-12-16-052715	P0987-09A	S3J4095.D	06/05/2015
13	SB-58-16-20-052715	P0987-10A	S3J4096.D	06/05/2015
14	DUP-01-052715	P0987-11A	S3J4097.D	06/05/2015
15	SB-59-0-4-052715	P0987-12A	S3J4098.D	06/05/2015
16	SB-59A-8-12-052715	P0987-13A	S3J4099.D	06/05/2015

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-82308

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

Lab File ID: S3J4083.D Lab Sample ID: MB-82308

Instrument ID: S3 Date Extracted: 06/01/2015

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 06/05/2015

Level: (LOW/MED) LOW Time Analyzed: 13:24

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

17	SB-59A-12-16-052715	P0987-14A	S3J4100.D	06/05/2015
18	SB-59A-16-20-052715	P0987-15A	S3J4101.D	06/05/2015
19	SB-60-0-4-052715	P0987-16A	S3J4102.D	06/05/2015
20	SB-61-4-7-052715	P0987-18A	S3J4103.D	06/05/2015
21	SB-61A-0-4-052715	P0987-19A	S3J4104.D	06/05/2015
22	SB-61A-4-8-052715	P0987-20A	S3J4105.D	06/05/2015

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253T Date Analyzed: 06/04/2015

Lab File ID (Standard): S3J4051.D Time Analyzed: 11:40

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	70253		3.507		291839		5.431		160748		7.274	
	UPPER LIMIT	140506		4.007		583678		5.931		321496		7.774	
	LOWER LIMIT	35127		3.007		145920		4.931		80374		6.774	
	EPA SAMPLE NO.												
01	MB-82316	92261		3.503		380097		5.426		196873		7.269	
02	LCS-82316	79411		3.504		317649		5.432		162871		7.275	
03	SB-61A-8-12-052715	73278		3.501		300986		5.429		155646		7.267	
04	SB-61A-12-16-052715	70221		3.501		285109		5.429		146463		7.267	
05	SB-61A-16-20-052715	81177		3.501		330747		5.429		167596		7.272	
06	SB-62-0-4-052715	82786		3.502		330781		5.426		167606		7.269	
07	SB-62-4-8-052715	78642		3.508		319331		5.431		163108		7.274	
08	SB-62-8-12-052715	89833		3.506		368473		5.434		200241		7.277	
09	DUP-02-052715	75921		3.511		313492		5.434		169082		7.277	
10	SB-62-12-16-052715	71435		3.511		290275		5.434		150112		7.277	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253T Date Analyzed: 06/04/2015

Lab File ID (Standard): S3J4051.D Time Analyzed: 11:40

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	70253		3.507		291839		5.431		160748		7.274	
	UPPER LIMIT	140506		4.007		583678		5.931		321496		7.774	
	LOWER LIMIT	35127		3.007		145920		4.931		80374		6.774	
	EPA SAMPLE NO.												
11	SB-62-12-16-052715MS	70443		3.508		293965		5.437		160079		7.280	
12	SB-62-12-16-052715MSD	76353		3.511		315023		5.434		167949		7.277	
13	SB-62-16-20-052715	81918		3.505		331942		5.433		172521		7.276	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

EPA Sample No.(SSTD020##) SSTD0253T Date Analyzed: 06/04/2015

Lab File ID (Standard): S3J4051.D Time Analyzed: 11:40

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	263488		8.556		241059		10.741		258117		12.226	
	UPPER LIMIT	526976		9.056		482118		11.241		516234		12.726	
	LOWER LIMIT	131744		8.056		120530		10.241		129059		11.726	
	EPA SAMPLE NO.												
01	MB-82316	303137		8.556		251548		10.736		248808		12.221	
02	LCS-82316	254059		8.557		212016		10.742		228298		12.222	
03	SB-61A-8-12-052715	247394		8.554		247698		10.734		265010		12.219	
04	SB-61A-12-16-052715	222711		8.554		208176		10.734		227616		12.219	
05	SB-61A-16-20-052715	247473		8.554		214286		10.734		224086		12.219	
06	SB-62-0-4-052715	259778		8.556		244239		10.741		259533		12.242	
07	SB-62-4-8-052715	256917		8.562		230122		10.758		246739		12.269	
08	SB-62-8-12-052715	231401		8.586		144441		10.819		217214		12.400	
09	DUP-02-052715	222320		8.581		134178		10.808		194233		12.374	
10	SB-62-12-16-052715	235860		8.565		227701		10.744		246688		12.240	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

EPA Sample No.(SSTD020##) SSTD0253T Date Analyzed: 06/04/2015

Lab File ID (Standard): S3J4051.D Time Analyzed: 11:40

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	263488		8.556		241059		10.741		258117		12.226	
	UPPER LIMIT	526976		9.056		482118		11.241		516234		12.726	
	LOWER LIMIT	131744		8.056		120530		10.241		129059		11.726	
	EPA SAMPLE NO.												
11	SB-62-12-16-052715MS	260715		8.562		247058		10.747		263834		12.243	
12	SB-62-12-16-052715MSD	270671		8.559		253843		10.749		273350		12.240	
13	SB-62-16-20-052715	282197		8.558		275291		10.743		282439		12.234	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253V Date Analyzed: 06/05/2015

Lab File ID (Standard): S3J4082.D Time Analyzed: 12:19

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	97849		3.478		401684		5.406		225120		7.255	
	UPPER LIMIT	195698		3.978		803368		5.906		450240		7.755	
	LOWER LIMIT	48925		2.978		200842		4.906		112560		6.755	
	EPA SAMPLE NO.												
01	MB-82308	108958		3.479		422561		5.407		213657		7.250	
02	LCS-82308	113422		3.479		451764		5.407		235537		7.256	
03	SB-57-0-4-052715	109723		3.475		436931		5.404		216206		7.252	
04	SB-57-0-4-052715MS	102479		3.482		404215		5.410		208741		7.253	
05	SB-57-0-4-052715MSD	110923		3.479		435763		5.413		224615		7.256	
06	SB-57-4-8-052715	109112		3.479		431140		5.408		212791		7.256	
07	SB-57-8-12-052715	113299		3.481		444592		5.410		226854		7.253	
08	SB-57-12-16-052715	109946		3.480		428513		5.408		217795		7.251	
09	SB-57-16-20-052715	111382		3.481		433497		5.409		220598		7.252	
10	SB-58-0-4-052715	115828		3.478		456087		5.407		233973		7.255	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253V Date Analyzed: 06/05/2015

Lab File ID (Standard): S3J4082.D Time Analyzed: 12:19

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	97849		3.478		401684		5.406		225120		7.255	
	UPPER LIMIT	195698		3.978		803368		5.906		450240		7.755	
	LOWER LIMIT	48925		2.978		200842		4.906		112560		6.755	
	EPA SAMPLE NO.												
11	SB-58-4-8-052715	106841		3.480		422532		5.409		214101		7.252	
12	SB-58-8-12-052715	113201		3.479		442768		5.407		227491		7.256	
13	SB-58-12-16-052715	111060		3.478		436796		5.407		220727		7.255	
14	SB-58-16-20-052715	115177		3.480		459317		5.408		232609		7.251	
15	DUP-01-052715	108142		3.476		423610		5.404		217200		7.253	
16	SB-59-0-4-052715	102327		3.477		406585		5.406		210352		7.254	
17	SB-59A-8-12-052715	99858		3.479		419684		5.407		232581		7.250	
18	SB-59A-12-16-052715	118174		3.481		457301		5.404		229536		7.253	
19	SB-59A-16-20-052715	113129		3.479		446197		5.408		223015		7.251	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253V Date Analyzed: 06/05/2015

Lab File ID (Standard): S3J4082.D Time Analyzed: 12:19

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	97849		3.478		401684		5.406		225120		7.255	
	UPPER LIMIT	195698		3.978		803368		5.906		450240		7.755	
	LOWER LIMIT	48925		2.978		200842		4.906		112560		6.755	
	EPA SAMPLE NO.												
20	SB-60-0-4-052715	112048		3.476		440826		5.404		219970		7.253	
21	SB-61-4-7-052715	123871		3.479		518933		5.408		286246		7.251	
22	SB-61A-0-4-052715	109845		3.482		430667		5.411		219612		7.259	
23	SB-61A-4-8-052715	122129		3.484		483051		5.418		249888		7.261	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

EPA Sample No.(SSTD020##) SSTD0253V Date Analyzed: 06/05/2015

Lab File ID (Standard): S3J4082.D Time Analyzed: 12:19

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	377281		8.537		331280		10.722		361727		12.196	
	UPPER LIMIT	754562		9.037		662560		11.222		723454		12.696	
	LOWER LIMIT	188641		8.037		165640		10.222		180864		11.696	
	EPA SAMPLE NO.												
01	MB-82308	326637		8.538		277991		10.717		271290		12.192	
02	LCS-82308	372704		8.538		325553		10.723		392472		12.197	
03	SB-57-0-4-052715	322118		8.534		319755		10.725		365097		12.210	
04	SB-57-0-4-052715MS	318142		8.541		301290		10.731		356620		12.216	
05	SB-57-0-4-052715MSD	346523		8.543		336169		10.733		385291		12.229	
06	SB-57-4-8-052715	326463		8.538		330461		10.723		384551		12.203	
07	SB-57-8-12-052715	338945		8.540		331740		10.725		377982		12.205	
08	SB-57-12-16-052715	327892		8.539		317717		10.724		365200		12.198	
09	SB-57-16-20-052715	332826		8.540		335728		10.719		387734		12.199	
10	SB-58-0-4-052715	369148		8.537		385020		10.722		427576		12.202	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

EPA Sample No.(SSTD020##) SSTD0253V Date Analyzed: 06/05/2015

Lab File ID (Standard): S3J4082.D Time Analyzed: 12:19

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	377281		8.537		331280		10.722		361727		12.196	
	UPPER LIMIT	754562		9.037		662560		11.222		723454		12.696	
	LOWER LIMIT	188641		8.037		165640		10.222		180864		11.696	
	EPA SAMPLE NO.												
11	SB-58-4-8-052715	329442		8.540		325523		10.719		369540		12.199	
12	SB-58-8-12-052715	349622		8.538		342785		10.723		389834		12.202	
13	SB-58-12-16-052715	346262		8.537		343351		10.722		389114		12.202	
14	SB-58-16-20-052715	360549		8.539		368222		10.724		420289		12.198	
15	DUP-01-052715	340230		8.535		339200		10.720		378416		12.194	
16	SB-59-0-4-052715	342096		8.536		369170		10.721		390935		12.196	
17	SB-59A-8-12-052715	389223		8.538		382486		10.723		398672		12.197	
18	SB-59A-12-16-052715	358517		8.535		366802		10.720		412385		12.199	
19	SB-59A-16-20-052715	338794		8.539		339285		10.718		374446		12.198	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0987 Mod. Ref No.: SDG No.: SP0987

EPA Sample No.(SSTD020##) SSTD0253V Date Analyzed: 06/05/2015

Lab File ID (Standard): S3J4082.D Time Analyzed: 12:19

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	377281		8.537		331280		10.722		361727		12.196	
	UPPER LIMIT	754562		9.037		662560		11.222		723454		12.696	
	LOWER LIMIT	188641		8.037		165640		10.222		180864		11.696	
	EPA SAMPLE NO.												
20	SB-60-0-4-052715	343501		8.535		359408		10.720		395540		12.194	
21	SB-61-4-7-052715	445210		8.544		343640		10.739		383653		12.251	
22	SB-61A-0-4-052715	356774		8.547		290432		10.758		341533		12.281	
23	SB-61A-4-8-052715	423436		8.548		418003		10.733		441588		12.229	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: P0987

SW846 6010C, SW846 7471B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test codes: SW846 6010C, SW846 7471B

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3050B
Soil Samples were prepared following procedures in laboratory test code: SW7471B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: FIMS2
Instrument Type: CVAA
Description: FIMS
Manufacturer: Perkin-Elmer
Model: FIMS100

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on samples: SB-57-0-4-052715 (P0987-01AMS) and SB-62-12-16-052715 (P0987-28AMS).

Percent recoveries were within the QC limits with the following exceptions:

SB-57-0-4-052715 (P0987-01AMS), recovery is below criteria for Antimony at 53% with criteria of (80-120), Cadmium at 73% with criteria of (80-120), Chromium at 13% with criteria of (80-120) and Selenium at 47% with criteria of (80-120).

SB-62-12-16-052715 (P0987-28AMS), recovery is above criteria for Mercury at 135% with criteria of (80-120), recovery is below criteria for Antimony at 58% with criteria of (80-120).

D. Post Digestion Spike (PDS):

Post-digestion spike analysis was performed on samples: SB-57-0-4-052715 (P0987-01APDS) and SB-62-12-16-052715 (P0987-28APDS).

SB-57-0-4-052715 (P0987-01APDS) for Antimony, Cadmium, Chromium and Selenium due to recoveries of these elements outside of QC limits in the matrix spike.

SB-62-12-16-052715 (P0987-28APDS) for Antimony due to recovery of this element outside of QC limits in the matrix spike.

E. Duplicate sample:

Duplicate analyses were performed on samples: SB-57-0-4-052715 (P0987-01ADUP) and SB-62-12-16-052715 (P0987-28ADUP).

Relative percent differences were within the QC limits with the following exceptions:

SB-57-0-4-052715 (P0987-01ADUP), Duplicate analysis not within control limit for Aluminum, Arsenic, Beryllium, Calcium, Chromium, Magnesium, Sodium, Thallium and Vanadium.

SB-62-12-16-052715 (P0987-28ADUP), Duplicate analysis not within control limit for Arsenic and Barium.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on samples: SB-57-0-4-052715 (P0987-01ASD) and SB-62-12-16-052715 (P0987-28ASD).

Percent differences were within the QC limits with the exception of the following:

SB-57-0-4-052715 (P0987-01ASD), Serial Dilution analysis not within control limit for Aluminum, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Magnesium, Manganese, Sodium and Vanadium.

SB-62-12-16-052715 (P0987-28ASD), Serial Dilution analysis not within control limit for Iron and Sodium.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 06/09/2015

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either

- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DUP-01-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-11

Level (low/med): MED Date Received: 05/29/2015

% Solids: 76.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13300		*E	P
7440-36-0	Antimony	0.33	U	N	P
7440-38-2	Arsenic	10.8		*	P
7440-39-3	Barium	85.9			P
7440-41-7	Beryllium	0.69		*E	P
7440-43-9	Cadmium	0.50		NE	P
7440-70-2	Calcium	20300		*E	P
7440-47-3	Chromium	20.5		N*E	P
7440-48-4	Cobalt	13.9		E	P
7440-50-8	Copper	28.8		E	P
7439-89-6	Iron	33100			P
7439-92-1	Lead	14.6			P
7439-95-4	Magnesium	11300		*E	P
7439-96-5	Manganese	483		E	P
7439-97-6	Mercury	0.016	B		CV
7440-02-0	Nickel	31.0			P
7440-09-7	Potassium	2020			P
7782-49-2	Selenium	0.85	B	N	P
7440-22-4	Silver	0.056	U		P
7440-23-5	Sodium	216		*E	P
7440-28-0	Thallium	0.19	U	*	P
7440-62-2	Vanadium	26.0		*E	P
7440-66-6	Zinc	72.3			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

DUP-02-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-27

Level (low/med): MED Date Received: 05/29/2015

% Solids: 80.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5980			P
7440-36-0	Antimony	0.35	U	N	P
7440-38-2	Arsenic	18.5		*	P
7440-39-3	Barium	74.4		*	P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	3.7			P
7440-70-2	Calcium	162000			P
7440-47-3	Chromium	15.1			P
7440-48-4	Cobalt	6.7			P
7440-50-8	Copper	21.1			P
7439-89-6	Iron	108000		E	P
7439-92-1	Lead	126			P
7439-95-4	Magnesium	9910			P
7439-96-5	Manganese	3490			P
7439-97-6	Mercury	0.0071	B	N	CV
7440-02-0	Nickel	22.9			P
7440-09-7	Potassium	1220			P
7782-49-2	Selenium	0.60	U		P
7440-22-4	Silver	0.092	B		P
7440-23-5	Sodium	170		E	P
7440-28-0	Thallium	1.1			P
7440-62-2	Vanadium	18.4			P
7440-66-6	Zinc	262			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-57-0-4-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-01

Level (low/med): MED Date Received: 05/29/2015

% Solids: 73.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11600		*E	P
7440-36-0	Antimony	0.29	U	N	P
7440-38-2	Arsenic	14.1		*	P
7440-39-3	Barium	107			P
7440-41-7	Beryllium	1.8		*E	P
7440-43-9	Cadmium	7.5		NE	P
7440-70-2	Calcium	48800		*E	P
7440-47-3	Chromium	89.6		N*E	P
7440-48-4	Cobalt	8.2		E	P
7440-50-8	Copper	178		E	P
7439-89-6	Iron	139000			P
7439-92-1	Lead	350			P
7439-95-4	Magnesium	9590		*E	P
7439-96-5	Manganese	4100		E	P
7439-97-6	Mercury	0.37			CV
7440-02-0	Nickel	46.6			P
7440-09-7	Potassium	2710			P
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.049	U		P
7440-23-5	Sodium	446		*E	P
7440-28-0	Thallium	1.0		*	P
7440-62-2	Vanadium	24.8		*E	P
7440-66-6	Zinc	922			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-57-12-16-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-04

Level (low/med): MED Date Received: 05/29/2015

% Solids: 77.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14800		*E	P
7440-36-0	Antimony	0.46	U	N	P
7440-38-2	Arsenic	11.1		*	P
7440-39-3	Barium	126			P
7440-41-7	Beryllium	0.83		*E	P
7440-43-9	Cadmium	0.55		NE	P
7440-70-2	Calcium	37500		*E	P
7440-47-3	Chromium	23.6		N*E	P
7440-48-4	Cobalt	15.1		E	P
7440-50-8	Copper	38.2		E	P
7439-89-6	Iron	38400			P
7439-92-1	Lead	20.4			P
7439-95-4	Magnesium	14100		*E	P
7439-96-5	Manganese	633		E	P
7439-97-6	Mercury	0.031	B		CV
7440-02-0	Nickel	35.9			P
7440-09-7	Potassium	2250			P
7782-49-2	Selenium	0.77	U	N	P
7440-22-4	Silver	0.077	U		P
7440-23-5	Sodium	146		*E	P
7440-28-0	Thallium	0.26	U	*	P
7440-62-2	Vanadium	33.6		*E	P
7440-66-6	Zinc	86.5			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-57-16-20-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-05

Level (low/med): MED Date Received: 05/29/2015

% Solids: 75.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18100		*E	P
7440-36-0	Antimony	0.36	U	N	P
7440-38-2	Arsenic	21.8		*	P
7440-39-3	Barium	130			P
7440-41-7	Beryllium	1.0		*E	P
7440-43-9	Cadmium	0.82		NE	P
7440-70-2	Calcium	31500		*E	P
7440-47-3	Chromium	28.1		N*E	P
7440-48-4	Cobalt	18.5		E	P
7440-50-8	Copper	39.6		E	P
7439-89-6	Iron	47100			P
7439-92-1	Lead	20.2			P
7439-95-4	Magnesium	13000		*E	P
7439-96-5	Manganese	526		E	P
7439-97-6	Mercury	0.040	B		CV
7440-02-0	Nickel	38.9			P
7440-09-7	Potassium	3130			P
7782-49-2	Selenium	0.61	U	N	P
7440-22-4	Silver	0.061	U		P
7440-23-5	Sodium	216		*E	P
7440-28-0	Thallium	0.21	U	*	P
7440-62-2	Vanadium	39.1		*E	P
7440-66-6	Zinc	87.0			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-57-4-8-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-02

Level (low/med): MED Date Received: 05/29/2015

% Solids: 86.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12900		*E	P
7440-36-0	Antimony	0.30	U	N	P
7440-38-2	Arsenic	6.9		*	P
7440-39-3	Barium	50.7			P
7440-41-7	Beryllium	0.78		*E	P
7440-43-9	Cadmium	0.72		NE	P
7440-70-2	Calcium	65500		*E	P
7440-47-3	Chromium	26.9		N*E	P
7440-48-4	Cobalt	14.6		E	P
7440-50-8	Copper	35.1		E	P
7439-89-6	Iron	37100			P
7439-92-1	Lead	47.8			P
7439-95-4	Magnesium	8490		*E	P
7439-96-5	Manganese	811		E	P
7439-97-6	Mercury	0.061			CV
7440-02-0	Nickel	45.0			P
7440-09-7	Potassium	1490			P
7782-49-2	Selenium	0.50	U	N	P
7440-22-4	Silver	0.050	U		P
7440-23-5	Sodium	174		*E	P
7440-28-0	Thallium	0.20	B	*	P
7440-62-2	Vanadium	19.4		*E	P
7440-66-6	Zinc	91.5			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-57-8-12-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-03

Level (low/med): MED Date Received: 05/29/2015

% Solids: 49.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12700		*E	P
7440-36-0	Antimony	4.8		N	P
7440-38-2	Arsenic	18.3		*	P
7440-39-3	Barium	185			P
7440-41-7	Beryllium	0.96		*E	P
7440-43-9	Cadmium	2.9		NE	P
7440-70-2	Calcium	17800		*E	P
7440-47-3	Chromium	37.9		N*E	P
7440-48-4	Cobalt	12.4		E	P
7440-50-8	Copper	273		E	P
7439-89-6	Iron	80800			P
7439-92-1	Lead	494			P
7439-95-4	Magnesium	3770		*E	P
7439-96-5	Manganese	1450		E	P
7439-97-6	Mercury	1.2			CV
7440-02-0	Nickel	65.1			P
7440-09-7	Potassium	1670			P
7782-49-2	Selenium	1.2	B	N	P
7440-22-4	Silver	0.65	B		P
7440-23-5	Sodium	209		*E	P
7440-28-0	Thallium	0.43	B	*	P
7440-62-2	Vanadium	34.9		*E	P
7440-66-6	Zinc	630			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-58-0-4-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-06

Level (low/med): MED Date Received: 05/29/2015

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15900		*E	P
7440-36-0	Antimony	0.33	U	N	P
7440-38-2	Arsenic	13.2		*	P
7440-39-3	Barium	121			P
7440-41-7	Beryllium	1.9		*E	P
7440-43-9	Cadmium	1.4		NE	P
7440-70-2	Calcium	74700		*E	P
7440-47-3	Chromium	19.2		N*E	P
7440-48-4	Cobalt	8.9		E	P
7440-50-8	Copper	41.0		E	P
7439-89-6	Iron	52800			P
7439-92-1	Lead	37.3			P
7439-95-4	Magnesium	14900		*E	P
7439-96-5	Manganese	1810		E	P
7439-97-6	Mercury	0.054			CV
7440-02-0	Nickel	26.6			P
7440-09-7	Potassium	1850			P
7782-49-2	Selenium	0.55	U	N	P
7440-22-4	Silver	0.055	U		P
7440-23-5	Sodium	295		*E	P
7440-28-0	Thallium	0.46	B	*	P
7440-62-2	Vanadium	23.2		*E	P
7440-66-6	Zinc	167			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-58-12-16-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-09

Level (low/med): MED Date Received: 05/29/2015

% Solids: 82.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9560		*E	P
7440-36-0	Antimony	0.30	U	N	P
7440-38-2	Arsenic	4.7		*	P
7440-39-3	Barium	73.2			P
7440-41-7	Beryllium	0.51		*E	P
7440-43-9	Cadmium	0.32		NE	P
7440-70-2	Calcium	26600		*E	P
7440-47-3	Chromium	14.8		N*E	P
7440-48-4	Cobalt	9.1		E	P
7440-50-8	Copper	27.2		E	P
7439-89-6	Iron	17600			P
7439-92-1	Lead	12.6			P
7439-95-4	Magnesium	12400		*E	P
7439-96-5	Manganese	368		E	P
7439-97-6	Mercury	0.023	B		CV
7440-02-0	Nickel	24.0			P
7440-09-7	Potassium	1490			P
7782-49-2	Selenium	0.51	U	N	P
7440-22-4	Silver	0.051	U		P
7440-23-5	Sodium	97.3		*E	P
7440-28-0	Thallium	0.18	U	*	P
7440-62-2	Vanadium	20.2		*E	P
7440-66-6	Zinc	59.7			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-58-16-20-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-10

Level (low/med): MED Date Received: 05/29/2015

% Solids: 72.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15000		*E	P
7440-36-0	Antimony	0.48	U	N	P
7440-38-2	Arsenic	14.3		*	P
7440-39-3	Barium	106			P
7440-41-7	Beryllium	0.81		*E	P
7440-43-9	Cadmium	0.53		NE	P
7440-70-2	Calcium	27600		*E	P
7440-47-3	Chromium	22.8		N*E	P
7440-48-4	Cobalt	15.9		E	P
7440-50-8	Copper	30.0		E	P
7439-89-6	Iron	43300			P
7439-92-1	Lead	16.2			P
7439-95-4	Magnesium	13300		*E	P
7439-96-5	Manganese	699		E	P
7439-97-6	Mercury	0.019	B		CV
7440-02-0	Nickel	34.7			P
7440-09-7	Potassium	2420			P
7782-49-2	Selenium	0.81	U	N	P
7440-22-4	Silver	0.081	U		P
7440-23-5	Sodium	239		*E	P
7440-28-0	Thallium	0.28	U	*	P
7440-62-2	Vanadium	30.1		*E	P
7440-66-6	Zinc	78.7			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-58-4-8-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-07

Level (low/med): MED Date Received: 05/29/2015

% Solids: 80.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11900		*E	P
7440-36-0	Antimony	0.34	U	N	P
7440-38-2	Arsenic	11.4		*	P
7440-39-3	Barium	93.3			P
7440-41-7	Beryllium	0.78		*E	P
7440-43-9	Cadmium	0.91		NE	P
7440-70-2	Calcium	61900		*E	P
7440-47-3	Chromium	18.7		N*E	P
7440-48-4	Cobalt	10.6		E	P
7440-50-8	Copper	27.5		E	P
7439-89-6	Iron	40000			P
7439-92-1	Lead	24.5			P
7439-95-4	Magnesium	16800		*E	P
7439-96-5	Manganese	770		E	P
7439-97-6	Mercury	0.021	B		CV
7440-02-0	Nickel	24.8			P
7440-09-7	Potassium	2090			P
7782-49-2	Selenium	0.57	U	N	P
7440-22-4	Silver	0.057	U		P
7440-23-5	Sodium	190		*E	P
7440-28-0	Thallium	0.20	U	*	P
7440-62-2	Vanadium	25.9		*E	P
7440-66-6	Zinc	120			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-58-8-12-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-08

Level (low/med): MED Date Received: 05/29/2015

% Solids: 56.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21700		*E	P
7440-36-0	Antimony	1.4	B	N	P
7440-38-2	Arsenic	28.2		*	P
7440-39-3	Barium	193			P
7440-41-7	Beryllium	1.5		*E	P
7440-43-9	Cadmium	4.9		NE	P
7440-70-2	Calcium	51600		*E	P
7440-47-3	Chromium	42.6		N*E	P
7440-48-4	Cobalt	14.0		E	P
7440-50-8	Copper	64.8		E	P
7439-89-6	Iron	91000			P
7439-92-1	Lead	193			P
7439-95-4	Magnesium	9480		*E	P
7439-96-5	Manganese	1380		E	P
7439-97-6	Mercury	0.11			CV
7440-02-0	Nickel	38.8			P
7440-09-7	Potassium	4600			P
7782-49-2	Selenium	1.0	U	N	P
7440-22-4	Silver	0.50	B		P
7440-23-5	Sodium	544		*E	P
7440-28-0	Thallium	0.35	U	*	P
7440-62-2	Vanadium	55.3		*E	P
7440-66-6	Zinc	788			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-59-0-4-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-12

Level (low/med): MED Date Received: 05/29/2015

% Solids: 81.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12300		*E	P
7440-36-0	Antimony	0.43	U	N	P
7440-38-2	Arsenic	5.0		*	P
7440-39-3	Barium	34.3			P
7440-41-7	Beryllium	0.72		*E	P
7440-43-9	Cadmium	0.32		NE	P
7440-70-2	Calcium	106000		*E	P
7440-47-3	Chromium	20.7		N*E	P
7440-48-4	Cobalt	10.4		E	P
7440-50-8	Copper	22.0		E	P
7439-89-6	Iron	24600			P
7439-92-1	Lead	17.2			P
7439-95-4	Magnesium	6140		*E	P
7439-96-5	Manganese	803		E	P
7439-97-6	Mercury	0.018	B		CV
7440-02-0	Nickel	40.4			P
7440-09-7	Potassium	2240			P
7782-49-2	Selenium	0.72	U	N	P
7440-22-4	Silver	0.072	U		P
7440-23-5	Sodium	140		*E	P
7440-28-0	Thallium	0.25	U	*	P
7440-62-2	Vanadium	17.1		*E	P
7440-66-6	Zinc	32.9			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-59A-12-16-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-14

Level (low/med): MED Date Received: 05/29/2015

% Solids: 83.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12100		*E	P
7440-36-0	Antimony	0.38	U	N	P
7440-38-2	Arsenic	7.3		*	P
7440-39-3	Barium	78.3			P
7440-41-7	Beryllium	0.61		*E	P
7440-43-9	Cadmium	0.49		NE	P
7440-70-2	Calcium	37600		*E	P
7440-47-3	Chromium	18.6		N*E	P
7440-48-4	Cobalt	12.5		E	P
7440-50-8	Copper	30.9		E	P
7439-89-6	Iron	31600			P
7439-92-1	Lead	13.8			P
7439-95-4	Magnesium	12500		*E	P
7439-96-5	Manganese	498		E	P
7439-97-6	Mercury	0.023	B		CV
7440-02-0	Nickel	30.3			P
7440-09-7	Potassium	1660			P
7782-49-2	Selenium	0.63	U	N	P
7440-22-4	Silver	0.063	U		P
7440-23-5	Sodium	165		*E	P
7440-28-0	Thallium	0.22	U	*	P
7440-62-2	Vanadium	23.7		*E	P
7440-66-6	Zinc	69.6			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-59A-16-20-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-15

Level (low/med): MED Date Received: 05/29/2015

% Solids: 77.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14300		*E	P
7440-36-0	Antimony	0.34	U	N	P
7440-38-2	Arsenic	11.3		*	P
7440-39-3	Barium	77.6			P
7440-41-7	Beryllium	0.80		*E	P
7440-43-9	Cadmium	0.53		NE	P
7440-70-2	Calcium	31200		*E	P
7440-47-3	Chromium	22.6		N*E	P
7440-48-4	Cobalt	15.3		E	P
7440-50-8	Copper	31.8		E	P
7439-89-6	Iron	34700			P
7439-92-1	Lead	18.0			P
7439-95-4	Magnesium	11600		*E	P
7439-96-5	Manganese	551		E	P
7439-97-6	Mercury	0.018	B		CV
7440-02-0	Nickel	37.2			P
7440-09-7	Potassium	1910			P
7782-49-2	Selenium	0.57	U	N	P
7440-22-4	Silver	0.057	U		P
7440-23-5	Sodium	176		*E	P
7440-28-0	Thallium	0.20	U	*	P
7440-62-2	Vanadium	26.6		*E	P
7440-66-6	Zinc	71.1			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-59A-8-12-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-13

Level (low/med): MED Date Received: 05/29/2015

% Solids: 55.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25700		*E	P
7440-36-0	Antimony	0.61	U	N	P
7440-38-2	Arsenic	34.0		*	P
7440-39-3	Barium	254			P
7440-41-7	Beryllium	4.1		*E	P
7440-43-9	Cadmium	6.0		NE	P
7440-70-2	Calcium	118000		*E	P
7440-47-3	Chromium	45.6		N*E	P
7440-48-4	Cobalt	9.1		E	P
7440-50-8	Copper	54.7		E	P
7439-89-6	Iron	125000			P
7439-92-1	Lead	176			P
7439-95-4	Magnesium	14300		*E	P
7439-96-5	Manganese	3290		E	P
7439-97-6	Mercury	0.051	B		CV
7440-02-0	Nickel	27.8			P
7440-09-7	Potassium	4650			P
7782-49-2	Selenium	1.0	U	N	P
7440-22-4	Silver	0.10	U		P
7440-23-5	Sodium	900		*E	P
7440-28-0	Thallium	0.49	B	*	P
7440-62-2	Vanadium	48.7		*E	P
7440-66-6	Zinc	663			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-60-0-4-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-16

Level (low/med): MED Date Received: 05/29/2015

% Solids: 89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15700		*E	P
7440-36-0	Antimony	0.34	U	N	P
7440-38-2	Arsenic	7.6		*	P
7440-39-3	Barium	66.5			P
7440-41-7	Beryllium	0.95		*E	P
7440-43-9	Cadmium	0.56		NE	P
7440-70-2	Calcium	45500		*E	P
7440-47-3	Chromium	25.5		N*E	P
7440-48-4	Cobalt	14.9		E	P
7440-50-8	Copper	36.7		E	P
7439-89-6	Iron	35900			P
7439-92-1	Lead	24.4			P
7439-95-4	Magnesium	9900		*E	P
7439-96-5	Manganese	720		E	P
7439-97-6	Mercury	0.016	B		CV
7440-02-0	Nickel	45.4			P
7440-09-7	Potassium	2010			P
7782-49-2	Selenium	0.56	U	N	P
7440-22-4	Silver	0.056	U		P
7440-23-5	Sodium	179		*E	P
7440-28-0	Thallium	0.19	U	*	P
7440-62-2	Vanadium	22.6		*E	P
7440-66-6	Zinc	62.7			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-61-4-7-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-18

Level (low/med): MED Date Received: 05/29/2015

% Solids: 65.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28600			P
7440-36-0	Antimony	2.0		N	P
7440-38-2	Arsenic	63.8		*	P
7440-39-3	Barium	239		*	P
7440-41-7	Beryllium	3.7			P
7440-43-9	Cadmium	7.7			P
7440-70-2	Calcium	224000			P
7440-47-3	Chromium	46.8			P
7440-48-4	Cobalt	10.3			P
7440-50-8	Copper	76.4			P
7439-89-6	Iron	41400		E	P
7439-92-1	Lead	389			P
7439-95-4	Magnesium	11900			P
7439-96-5	Manganese	1380			P
7439-97-6	Mercury	0.11			CV
7440-02-0	Nickel	23.9			P
7440-09-7	Potassium	12400			P
7782-49-2	Selenium	4.7			P
7440-22-4	Silver	4.5			P
7440-23-5	Sodium	1060		E	P
7440-28-0	Thallium	0.28	U		P
7440-62-2	Vanadium	49.4			P
7440-66-6	Zinc	1330			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-61A-0-4-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-19

Level (low/med): MED Date Received: 05/29/2015

% Solids: 81.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9090			P
7440-36-0	Antimony	0.38	U	N	P
7440-38-2	Arsenic	21.4		*	P
7440-39-3	Barium	117		*	P
7440-41-7	Beryllium	1.5			P
7440-43-9	Cadmium	4.2			P
7440-70-2	Calcium	112000			P
7440-47-3	Chromium	48.0			P
7440-48-4	Cobalt	7.6			P
7440-50-8	Copper	126			P
7439-89-6	Iron	101000		E	P
7439-92-1	Lead	392			P
7439-95-4	Magnesium	11300			P
7439-96-5	Manganese	2400			P
7439-97-6	Mercury	1.5			CV
7440-02-0	Nickel	35.6			P
7440-09-7	Potassium	2300			P
7782-49-2	Selenium	0.65	U		P
7440-22-4	Silver	0.47	B		P
7440-23-5	Sodium	274		E	P
7440-28-0	Thallium	0.73	B		P
7440-62-2	Vanadium	24.5			P
7440-66-6	Zinc	646			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-61A-12-16-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-22

Level (low/med): MED Date Received: 05/29/2015

% Solids: 60.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18000			P
7440-36-0	Antimony	2.1		N	P
7440-38-2	Arsenic	40.7		*	P
7440-39-3	Barium	145		*	P
7440-41-7	Beryllium	2.0			P
7440-43-9	Cadmium	5.8			P
7440-70-2	Calcium	96800			P
7440-47-3	Chromium	32.5			P
7440-48-4	Cobalt	9.0			P
7440-50-8	Copper	48.7			P
7439-89-6	Iron	41000		E	P
7439-92-1	Lead	146			P
7439-95-4	Magnesium	6150			P
7439-96-5	Manganese	656			P
7439-97-6	Mercury	0.077		N	CV
7440-02-0	Nickel	25.4			P
7440-09-7	Potassium	9080			P
7782-49-2	Selenium	4.4			P
7440-22-4	Silver	3.0			P
7440-23-5	Sodium	502		E	P
7440-28-0	Thallium	0.39	B		P
7440-62-2	Vanadium	36.4			P
7440-66-6	Zinc	961			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-61A-16-20-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-23

Level (low/med): MED Date Received: 05/29/2015

% Solids: 78.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14500			P
7440-36-0	Antimony	0.30	U	N	P
7440-38-2	Arsenic	14.5		*	P
7440-39-3	Barium	113		*	P
7440-41-7	Beryllium	0.79			P
7440-43-9	Cadmium	0.75			P
7440-70-2	Calcium	49600			P
7440-47-3	Chromium	22.1			P
7440-48-4	Cobalt	15.0			P
7440-50-8	Copper	31.9			P
7439-89-6	Iron	39000		E	P
7439-92-1	Lead	18.3			P
7439-95-4	Magnesium	14800			P
7439-96-5	Manganese	782			P
7439-97-6	Mercury	0.014	B	N	CV
7440-02-0	Nickel	32.8			P
7440-09-7	Potassium	1720			P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	0.051	U		P
7440-23-5	Sodium	208		E	P
7440-28-0	Thallium	0.18	U		P
7440-62-2	Vanadium	28.7			P
7440-66-6	Zinc	80.6			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-61A-4-8-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-20

Level (low/med): MED Date Received: 05/29/2015

% Solids: 80.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	33400			P
7440-36-0	Antimony	0.36	U	N	P
7440-38-2	Arsenic	12.1		*	P
7440-39-3	Barium	316		*	P
7440-41-7	Beryllium	5.3			P
7440-43-9	Cadmium	2.0			P
7440-70-2	Calcium	194000			P
7440-47-3	Chromium	28.2			P
7440-48-4	Cobalt	2.4	B		P
7440-50-8	Copper	34.4			P
7439-89-6	Iron	43200		E	P
7439-92-1	Lead	65.5			P
7439-95-4	Magnesium	31600			P
7439-96-5	Manganese	4310			P
7439-97-6	Mercury	0.18			CV
7440-02-0	Nickel	13.8			P
7440-09-7	Potassium	4200			P
7782-49-2	Selenium	0.60	B		P
7440-22-4	Silver	0.060	U		P
7440-23-5	Sodium	871		E	P
7440-28-0	Thallium	0.21	U		P
7440-62-2	Vanadium	18.8			P
7440-66-6	Zinc	212			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-61A-8-12-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-21

Level (low/med): MED Date Received: 05/29/2015

% Solids: 49.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22200			P
7440-36-0	Antimony	3.1		N	P
7440-38-2	Arsenic	71.7		*	P
7440-39-3	Barium	247		*	P
7440-41-7	Beryllium	2.6			P
7440-43-9	Cadmium	10.9			P
7440-70-2	Calcium	173000			P
7440-47-3	Chromium	58.4			P
7440-48-4	Cobalt	14.4			P
7440-50-8	Copper	549			P
7439-89-6	Iron	67900		E	P
7439-92-1	Lead	325			P
7439-95-4	Magnesium	6270			P
7439-96-5	Manganese	1140			P
7439-97-6	Mercury	0.22			CV
7440-02-0	Nickel	41.4			P
7440-09-7	Potassium	11700			P
7782-49-2	Selenium	5.3			P
7440-22-4	Silver	5.6			P
7440-23-5	Sodium	611		E	P
7440-28-0	Thallium	0.35	U		P
7440-62-2	Vanadium	55.8			P
7440-66-6	Zinc	2000			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-62-0-4-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-24

Level (low/med): MED Date Received: 05/29/2015

% Solids: 78.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9710			P
7440-36-0	Antimony	0.35	U	N	P
7440-38-2	Arsenic	13.5		*	P
7440-39-3	Barium	109		*	P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	6.0			P
7440-70-2	Calcium	53900			P
7440-47-3	Chromium	46.3			P
7440-48-4	Cobalt	9.3			P
7440-50-8	Copper	111			P
7439-89-6	Iron	138000		E	P
7439-92-1	Lead	318			P
7439-95-4	Magnesium	6850			P
7439-96-5	Manganese	2870			P
7439-97-6	Mercury	0.078		N	CV
7440-02-0	Nickel	35.7			P
7440-09-7	Potassium	1580			P
7782-49-2	Selenium	0.59	U		P
7440-22-4	Silver	0.12	B		P
7440-23-5	Sodium	193		E	P
7440-28-0	Thallium	0.59	B		P
7440-62-2	Vanadium	33.5			P
7440-66-6	Zinc	537			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-62-12-16-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-28

Level (low/med): MED Date Received: 05/29/2015

% Solids: 81.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14500			P
7440-36-0	Antimony	0.38	U	N	P
7440-38-2	Arsenic	4.4		*	P
7440-39-3	Barium	110		*	P
7440-41-7	Beryllium	0.81			P
7440-43-9	Cadmium	0.22	B		P
7440-70-2	Calcium	3120			P
7440-47-3	Chromium	22.5			P
7440-48-4	Cobalt	12.9			P
7440-50-8	Copper	26.9			P
7439-89-6	Iron	22200		E	P
7439-92-1	Lead	15.9			P
7439-95-4	Magnesium	5650			P
7439-96-5	Manganese	212			P
7439-97-6	Mercury	0.028	B	N	CV
7440-02-0	Nickel	35.1			P
7440-09-7	Potassium	3740			P
7782-49-2	Selenium	0.63	U		P
7440-22-4	Silver	0.063	U		P
7440-23-5	Sodium	145		E	P
7440-28-0	Thallium	0.22	U		P
7440-62-2	Vanadium	25.7			P
7440-66-6	Zinc	74.0			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-62-16-20-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-29

Level (low/med): MED Date Received: 05/29/2015

% Solids: 77.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18300			P
7440-36-0	Antimony	0.41	U	N	P
7440-38-2	Arsenic	20.0		*	P
7440-39-3	Barium	168		*	P
7440-41-7	Beryllium	0.98			P
7440-43-9	Cadmium	0.57			P
7440-70-2	Calcium	36500			P
7440-47-3	Chromium	27.7			P
7440-48-4	Cobalt	15.7			P
7440-50-8	Copper	34.3			P
7439-89-6	Iron	37400		E	P
7439-92-1	Lead	18.4			P
7439-95-4	Magnesium	12800			P
7439-96-5	Manganese	532			P
7439-97-6	Mercury	0.022	B	N	CV
7440-02-0	Nickel	36.9			P
7440-09-7	Potassium	2660			P
7782-49-2	Selenium	0.70	U		P
7440-22-4	Silver	0.070	U		P
7440-23-5	Sodium	257		E	P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	38.5			P
7440-66-6	Zinc	82.5			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-62-4-8-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-25

Level (low/med): MED Date Received: 05/29/2015

% Solids: 80.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5300			P
7440-36-0	Antimony	0.30	U	N	P
7440-38-2	Arsenic	9.4		*	P
7440-39-3	Barium	40.3		*	P
7440-41-7	Beryllium	0.71			P
7440-43-9	Cadmium	2.3			P
7440-70-2	Calcium	20600			P
7440-47-3	Chromium	13.0			P
7440-48-4	Cobalt	4.7			P
7440-50-8	Copper	18.4			P
7439-89-6	Iron	76500		E	P
7439-92-1	Lead	133			P
7439-95-4	Magnesium	2930			P
7439-96-5	Manganese	2460			P
7439-97-6	Mercury	0.045		N	CV
7440-02-0	Nickel	14.6			P
7440-09-7	Potassium	682			P
7782-49-2	Selenium	0.50	U		P
7440-22-4	Silver	0.31	B		P
7440-23-5	Sodium	100		E	P
7440-28-0	Thallium	2.2			P
7440-62-2	Vanadium	15.0			P
7440-66-6	Zinc	216			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-62-8-12-052715

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Lab Sample ID: P0987-26

Level (low/med): MED Date Received: 05/29/2015

% Solids: 80.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17200			P
7440-36-0	Antimony	0.39	U	N	P
7440-38-2	Arsenic	22.1		*	P
7440-39-3	Barium	145		*	P
7440-41-7	Beryllium	4.7			P
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium	156000			P
7440-47-3	Chromium	9.5			P
7440-48-4	Cobalt	5.1			P
7440-50-8	Copper	13.9			P
7439-89-6	Iron	72700		E	P
7439-92-1	Lead	114			P
7439-95-4	Magnesium	21000			P
7439-96-5	Manganese	3170			P
7439-97-6	Mercury	0.011	B	N	CV
7440-02-0	Nickel	12.1			P
7440-09-7	Potassium	1250			P
7782-49-2	Selenium	0.66	U		P
7440-22-4	Silver	0.088	B		P
7440-23-5	Sodium	555		E	P
7440-28-0	Thallium	0.91	B		P
7440-62-2	Vanadium	14.4			P
7440-66-6	Zinc	226			P

Comments:

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82374

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	439.5		364	546.0	96.6
Antimony				22.8	22.8		18.2	27.3	100.0
Arsenic				22.8	22.7		18.2	27.3	99.6
Barium				455.0	463.1		364	546.0	101.8
Beryllium				11.4	11.2		9.1	13.6	98.2
Cadmium				11.4	11.4		9.1	13.6	100.0
Calcium				1135.0	1070.1		908	1362.0	94.3
Chromium				45.5	46.8		36.4	54.6	102.9
Cobalt				113.5	114.2		90.8	136.2	100.6
Copper				56.5	57.4		45.2	67.8	101.6
Iron				227.5	238.3		182	273.0	104.7
Lead				22.8	23.0		18.2	27.3	100.9
Magnesium				1135.0	1128.9		908	1362.0	99.5
Manganese				113.5	115.0		90.8	136.2	101.3
Nickel				113.5	114.0		90.8	136.2	100.4
Potassium				1135.0	1110.5		908	1362.0	97.8
Selenium				22.8	21.5		18.2	27.3	94.3
Silver				56.5	58.9		42.4	67.8	104.2
Sodium				1135.0	1126.0		908	1362.0	99.2
Thallium				22.8	22.8		18.2	27.3	100.0
Vanadium				113.5	114.9		90.8	136.2	101.2
Zinc				113.5	111.3		90.8	136.2	98.1

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7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82375

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	439.3		364	546.0	96.5
Antimony				22.8	22.6		18.2	27.3	99.1
Arsenic				22.8	22.4		18.2	27.3	98.2
Barium				455.0	463.9		364	546.0	102.0
Beryllium				11.4	11.1		9.1	13.6	97.4
Cadmium				11.4	11.2		9.1	13.6	98.2
Calcium				1135.0	1062.4		908	1362.0	93.6
Chromium				45.5	45.9		36.4	54.6	100.9
Cobalt				113.5	112.6		90.8	136.2	99.2
Copper				56.5	56.8		45.2	67.8	100.5
Iron				227.5	235.8		182	273.0	103.6
Lead				22.8	22.8		18.2	27.3	100.0
Magnesium				1135.0	1132.9		908	1362.0	99.8
Manganese				113.5	115.1		90.8	136.2	101.4
Nickel				113.5	111.7		90.8	136.2	98.4
Potassium				1135.0	1083.1		908	1362.0	95.4
Selenium				22.8	20.5		18.2	27.3	89.9
Silver				56.5	58.5		42.4	67.8	103.5
Sodium				1135.0	1069.1		908	1362.0	94.2
Thallium				22.8	22.7		18.2	27.3	99.6
Vanadium				113.5	114.1		90.8	136.2	100.5
Zinc				113.5	108.7		90.8	136.2	95.8

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82388

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury				0.8	0.6		0.6	0.9	75.0

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82389

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury				0.8	0.6		0.6	0.9	75.0

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-57-0-4-052715S

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 73.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	11.8		0.29	U	22.2	53	N	P
Arsenic	75-125	35.4		14.1		22.2	96		P
Barium	75-125	577		107		444	106		P
Beryllium	75-125	13.0		1.8		11.1	101		P
Cadmium	75-125	15.5		7.5		11.1	73	N	P
Chromium	75-125	95.4		89.6		44.4	13	N	P
Cobalt	75-125	112		8.2		111	93		P
Copper	75-125	225		178		55.1	86		P
Lead		371		350		22.2	93		P
Nickel	75-125	134		46.6		111	79		P
Selenium	75-125	10.4		0.49	U	22.2	47	N	P
Silver	75-125	64.5		0.049	U	55.1	117		P
Thallium	75-125	20.6		1.0		22.2	88		P
Vanadium	75-125	135		24.8		111	100		P
Zinc		1020		922		111	93		P
Mercury	75-125	1.7		0.37		1.1	122		CV

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-62-12-16-052715S

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 81.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	15.4		0.38	U	26.5	58	N	P
Arsenic	75-125	30.7		4.4		26.5	99		P
Barium	75-125	668		110		530	105		P
Beryllium	75-125	13.9		0.81		13.2	99		P
Cadmium	75-125	13.4		0.22	B	13.2	100		P
Chromium	75-125	73.9		22.5		53.0	97		P
Cobalt	75-125	146		12.9		132	101		P
Copper	75-125	95.5		26.9		65.8	104		P
Lead	75-125	41.7		15.9		26.5	97		P
Nickel	75-125	163		35.1		132	97		P
Selenium	75-125	25.4		0.63	U	26.5	96		P
Silver	75-125	70.5		0.063	U	65.8	107		P
Thallium	75-125	25.1		0.22	U	26.5	95		P
Vanadium	75-125	156		25.7		132	99		P
Zinc	75-125	199		74.0		132	95		P
Mercury	75-125	1.5		0.028	B	1.1	136	N	CV

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-57-0-4-052715A

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		410.26		0.38	U	455.0	90		P
Cadmium		368.96		195.66		227.5	76		P
Chromium		2489.13		2352.73		910.0	15		P
Selenium		153.50		0.64	U	455.0	34		P

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-62-12-16-052715A

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		456.98		2.02	U	455.0	100		P

Comments:

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6

DUPLICATES

EPA SAMPLE NO.

SB-57-0-4-052715D

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 73.7 % Solids for Duplicate: 73.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		11567.3970		9287.7134		21.9	*	P
Antimony		0.2900	U	0.3100	U			P
Arsenic		14.1236		10.9176		25.6	*	P
Barium		107.1669		102.0330		4.9		P
Beryllium		1.8313		1.3201		32.4	*	P
Cadmium		7.4552		7.2654		2.6		P
Calcium		48793.0638		38056.4625		24.7	*	P
Chromium		89.6455		66.6425		29.4	*	P
Cobalt	1.9	8.1575		8.6832		6.2		P
Copper		177.9540		154.2787		14.3		P
Iron		139254.5103		145730.5721		4.5		P
Lead		349.8545		334.1669		4.6		P
Magnesium		9592.1251		7121.2052		29.6	*	P
Manganese		4103.3463		3700.9558		10.3		P
Nickel		46.5683		42.3870		9.4		P
Potassium		2712.0391		3000.6502		10.1		P
Selenium		0.4900	U	0.5300	U			P
Silver		0.0490	U	0.0530	U			P
Sodium		446.3682		333.2766		29	*	P
Thallium	0.8	1.0110		0.1800	U	200	*	P
Vanadium		24.8137		31.3061		23.1	*	P
Zinc		921.5787		893.3485		3.1		P
Mercury		0.3672		0.3345		9.3		CV

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6

DUPLICATES

EPA SAMPLE NO.

SB-62-12-16-052715D

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 81.0 % Solids for Duplicate: 81.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		14498.7540		13804.5840		4.9		P
Antimony		0.3800	U	0.4300	U			P
Arsenic	1.0	4.4493		5.8977		28	*	P
Barium		110.1809		153.7178		33	*	P
Beryllium	0.3	0.8078		0.8012		0.8		P
Cadmium	0.3	0.2174	B	0.4038		60		P
Calcium		3117.5728		2737.6575		13		P
Chromium		22.4813		21.5748		4.1		P
Cobalt	2.5	12.8738		12.9993		1		P
Copper		26.8553		29.3218		8.8		P
Iron		22234.1698		22903.8431		3		P
Lead		15.9187		17.4939		9.4		P
Magnesium		5651.6518		5229.1827		7.8		P
Manganese		212.3339		194.9274		8.5		P
Nickel		35.0589		34.4823		1.7		P
Potassium		3738.0572		3699.2381		1		P
Selenium		0.6300	U	0.9341	B	200		P
Silver		0.0630	U	0.0720	U			P
Sodium	49.0	144.7531		141.6090		2.2		P
Thallium		0.2200	U	0.2500	U			P
Vanadium		25.6915		26.7313		4		P
Zinc		73.9795		76.4436		3.3		P
Mercury		0.0277	B	0.0386	B	32.9		CV

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-82388**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

FIMS2_150608B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/08/15 15:41	C	06/08/15 15:59	C	06/08/15 16:13	C	Preparation Blank	C	M
Mercury	0.028	U	0.028	U	0.028	U	0.028	U	0.002	U	CV

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-82389**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

FIMS2_150608C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	06/08/15 16:50	C	06/08/15 16:59	C		C		C	M
Mercury	0.028	U	0.028	U	0.028	U			0.002	U	CV

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-82374**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_150609B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/09/15 11:26	C	06/09/15 11:56	C	06/09/15 12:41	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	1.200	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	0.410	U	P
Barium	2.1	B	1.5	B	1.8	B	1.1	U	0.031	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.019	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.176	B	P
Iron	31.0	U	31.0	U	134.4	B	31.0	U	1.500	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	0.630	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.130	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.043	U	P
Potassium	87.9	B	252.9	B	138.7	B	76.0	U	3.400	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	0.640	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	56.0	B	29.0	U	80.3	B	29.0	U	2.840	B	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc	4.9	U	4.9	U	6.5	B	4.9	U	0.222	B	P

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-82375**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_150609B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/09/15 13:19	C	06/09/15 14:00	C	06/09/15 14:40	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U	1.200	U	P
Antimony			9.3	U	9.3	U	9.3	U	0.407	B	P
Arsenic			4.3	U	4.3	U	4.3	U	0.410	U	P
Barium			1.2	B	2.2	B	2.0	B	0.031	U	P
Beryllium			0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium			0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium			110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium			0.6	U	0.6	U	0.6	U	0.019	U	P
Cobalt			0.7	U	0.7	U	0.7	U	0.044	U	P
Copper			3.6	U	3.6	U	3.6	U	0.110	U	P
Iron			31.0	U	31.0	U	31.0	U	1.500	U	P
Lead			4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium			76.0	U	76.0	U	76.0	U	0.630	U	P
Manganese			10.0	U	10.0	U	10.0	U	0.130	U	P
Nickel			0.8	U	0.8	U	0.9	B	0.043	U	P
Potassium			770.2	B	165.1	B	78.4	B	3.400	U	P
Selenium			12.0	U	12.0	U	12.0	U	0.640	U	P
Silver			6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium			46.6	B	29.0	U	29.0	U	1.100	U	P
Thallium			6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium			1.1	U	1.1	U	1.1	U	0.060	U	P
Zinc			4.9	U	4.9	U	4.9	U	0.234	B	P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_150609B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/09/15 15:19	C	06/09/15 15:58	C	06/09/15 16:35	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.3	U	4.3	U			P
Barium			1.4	B	2.3	B	1.4	B			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			31.0	U	31.0	U	31.0	U			P
Lead			4.2	U	4.2	U	4.2	U			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.8	U	0.8	U			P
Potassium			135.2	B	917.6	B	158.0	B			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			29.0	U	29.0	U	-51.0	B			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.1	U	1.1	U			P
Zinc			4.9	U	4.9	U	4.9	U			P

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0987

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_150609B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	06/09/15 17:12	C		C		C		C	M
Calcium			149.4	B							P
Iron			31.0	U							P
Manganese			10.0	U							P

* Wet Chemistry *

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC08268

Client: Spectrum Analytical, Inc. - North Kingstown, RI

Project: Buffalo Lakeside / P0987

SDG #: 08268

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 9012B.

IV. PREPARATION

Soil/Sediment samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 9012B:

Lachat2 details: Lachat Quikchem 8000

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1511016 from source sample SB-57-0-4-052715 (SC08268-01).

In batch 1511112 from source sample SB-61-0-4-052715 (SC08268-17).

In batch 1511148 from source sample SB-62-12-16-052715 (SC08268-28).

All method criteria were met with the following exceptions:

Cyanide (total) in batch 1511016, lab sample 1511016-MS1 from source sample SB-57-0-4-052715 (SC08268-01): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Cyanide (total) in batch 1511016, lab sample 1511016-MSD1 from source sample SB-57-0-4-052715 (SC08268-01): The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.

Cyanide (total) in batch 1511016, lab sample 1511016-MSD1 from source sample SB-57-0-4-052715 (SC08268-01): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Cyanide (total) in batch 1511112, lab sample 1511112-MSD1 from source sample SB-61-0-4-052715 (SC08268-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1511016 from source sample SB-57-0-4-052715 (SC08268-01).

All method criteria were met.

4. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1511016 from source sample SB-57-0-4-052715 (SC08268-01).

In batch 1511112 from source sample SB-61-0-4-052715 (SC08268-17).

In batch 1511148 from source sample SB-62-12-16-052715 (SC08268-28).

All method criteria were met.

E. Samples:

All method criteria were met.

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-57-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-01	File ID:	1511016-023
Sampled:	05/27/15 07:46	Prepared:	06/04/15 14:05	Analyzed:	06/05/15 13:44
% Solids:	73.72	Preparation:	General Preparation	Initial/Final:	0.5665 g / 50 ml
Batch:	1511016	Sequence:	S505478	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	9.35	1	0.479	0.599	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-57-4-8-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-02	File ID:	1511016-033
Sampled:	05/27/15 07:52	Prepared:	06/04/15 14:05	Analyzed:	06/05/15 13:52
% Solids:	86.74	Preparation:	General Preparation	Initial/Final:	0.5437 g / 50 ml
Batch:	1511016	Sequence:	S505478	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.530	1	0.424	0.530	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-57-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-03	File ID:	1511016-034
Sampled:	05/27/15 08:00	Prepared:	06/04/15 14:05	Analyzed:	06/05/15 13:53
% Solids:	49.48	Preparation:	General Preparation	Initial/Final:	0.5641 g / 50 ml
Batch:	1511016	Sequence:	S505478	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.896	1	0.717	0.896	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-57-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-04	File ID:	1511016-035
Sampled:	05/27/15 08:08	Prepared:	06/04/15 14:05	Analyzed:	06/05/15 13:54
% Solids:	77.28	Preparation:	General Preparation	Initial/Final:	0.5591 g / 50 ml
Batch:	1511016	Sequence:	S505478	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.579	1	0.463	0.579	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-57-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-05	File ID:	1511106A-001
Sampled:	05/27/15 08:21	Prepared:	06/04/15 14:05	Analyzed:	06/05/15 14:00
% Solids:	75.37	Preparation:	General Preparation	Initial/Final:	0.6018 g / 50 ml
Batch:	1511016	Sequence:	S505478	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.551	1	0.441	0.551	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-58-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-06	File ID:	OM_6-5-2015_02-17-51PM-004
Sampled:	05/27/15 08:40	Prepared:	06/05/15 11:59	Analyzed:	06/05/15 14:21
% Solids:	82.05	Preparation:	General Preparation	Initial/Final:	0.6484 g / 50 ml
Batch:	1511112	Sequence:	S505462	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.17	1	0.376	0.470	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-58-4-8-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-07	File ID:	1511106A-002
Sampled:	05/27/15 08:49	Prepared:	06/04/15 14:05	Analyzed:	06/05/15 14:01
% Solids:	80.74	Preparation:	General Preparation	Initial/Final:	0.6017 g / 50 ml
Batch:	1511016	Sequence:	S505478	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.640	1	0.412	0.515	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-58-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-08	File ID:	OM_6-5-2015_02-17-51PM-005
Sampled:	05/27/15 08:56	Prepared:	06/05/15 11:59	Analyzed:	06/05/15 14:22
% Solids:	56.30	Preparation:	General Preparation	Initial/Final:	0.5476 g / 50 ml
Batch:	1511112	Sequence:	S505462	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.913	1	0.649	0.811	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-58-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-09	File ID:	OM_6-5-2015_02-17-51PM-006
Sampled:	05/27/15 09:08	Prepared:	06/05/15 11:59	Analyzed:	06/05/15 14:23
% Solids:	82.94	Preparation:	General Preparation	Initial/Final:	0.6377 g / 50 ml
Batch:	1511112	Sequence:	S505462	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.473	1	0.378	0.473	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-58-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-10	File ID:	OM_6-5-2015_02-17-51PM-007
Sampled:	05/27/15 09:21	Prepared:	06/05/15 11:59	Analyzed:	06/05/15 14:23
% Solids:	72.09	Preparation:	General Preparation	Initial/Final:	0.5385 g / 50 ml
Batch:	1511112	Sequence:	S505462	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.674	1	0.515	0.644	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

DUP-01-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-11	File ID:	OM_6-5-2015_02-17-51PM-008
Sampled:	05/27/15 09:26	Prepared:	06/05/15 11:59	Analyzed:	06/05/15 14:24
% Solids:	76.23	Preparation:	General Preparation	Initial/Final:	0.6169 g / 50 ml
Batch:	1511112	Sequence:	S505462	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.532	1	0.425	0.532	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-59-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-12	File ID:	OM_6-5-2015_02-17-51PM-009
Sampled:	05/27/15 09:48	Prepared:	06/05/15 11:59	Analyzed:	06/05/15 14:25
% Solids:	81.05	Preparation:	General Preparation	Initial/Final:	0.517 g / 50 ml
Batch:	1511112	Sequence:	S505462	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.597	1	0.477	0.597	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-59A-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-13	File ID:	OM_6-5-2015_02-17-51PM-010
Sampled:	05/27/15 10:51	Prepared:	06/05/15 11:59	Analyzed:	06/05/15 14:26
% Solids:	55.89	Preparation:	General Preparation	Initial/Final:	0.5345 g / 50 ml
Batch:	1511112	Sequence:	S505462	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.837	1	0.670	0.837	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-59A-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-14	File ID:	OM_6-5-2015_02-17-51PM-016
Sampled:	05/27/15 11:05	Prepared:	06/05/15 11:59	Analyzed:	06/05/15 14:31
% Solids:	83.55	Preparation:	General Preparation	Initial/Final:	0.6749 g / 50 ml
Batch:	1511112	Sequence:	S505462	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.443	1	0.355	0.443	U

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SW846 9012B

SB-59A-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-15	File ID:	OM_6-5-2015_02-17-51PM-017
Sampled:	05/27/15 11:21	Prepared:	06/05/15 11:59	Analyzed:	06/05/15 14:32
% Solids:	77.78	Preparation:	General Preparation	Initial/Final:	0.6154 g / 50 ml
Batch:	1511112	Sequence:	S505462	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.781	1	0.418	0.522	

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SW846 9012B

SB-60-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-16	File ID:	OM_6-5-2015_02-17-51PM-018
Sampled:	05/27/15 12:17	Prepared:	06/05/15 11:59	Analyzed:	06/05/15 14:33
% Solids:	89.28	Preparation:	General Preparation	Initial/Final:	0.5332 g / 50 ml
Batch:	1511112	Sequence:	S505462	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.535	1	0.420	0.525	

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SW846 9012B

SB-61-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-17	File ID:	OM_6-5-2015_02-17-51PM-019
Sampled:	05/27/15 14:12	Prepared:	06/05/15 11:59	Analyzed:	06/05/15 14:34
% Solids:	87.74	Preparation:	General Preparation	Initial/Final:	0.511 g / 50 ml
Batch:	1511112	Sequence:	S505462	Calibration:	1506011
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.558	1	0.446	0.558	U

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SW846 9012B

SB-61-4-7-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-18	File ID:	1511148-004
Sampled:	05/27/15 14:20	Prepared:	06/06/15 12:05	Analyzed:	06/06/15 14:01
% Solids:	65.67	Preparation:	General Preparation	Initial/Final:	0.5276 g / 50 ml
Batch:	1511148	Sequence:	S505477	Calibration:	1506013
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.79	1	0.577	0.722	

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SW846 9012B

SB-61A-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-19	File ID:	1511148-005
Sampled:	05/27/15 14:42	Prepared:	06/06/15 12:05	Analyzed:	06/06/15 14:02
% Solids:	81.76	Preparation:	General Preparation	Initial/Final:	0.6004 g / 50 ml
Batch:	1511148	Sequence:	S505477	Calibration:	1506013
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	5.07	1	0.407	0.509	

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SW846 9012B

SB-61A-4-8-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-20	File ID:	1511148-006
Sampled:	05/27/15 14:45	Prepared:	06/06/15 12:05	Analyzed:	06/06/15 14:03
% Solids:	80.50	Preparation:	General Preparation	Initial/Final:	0.5715 g / 50 ml
Batch:	1511148	Sequence:	S505477	Calibration:	1506013
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	2.79	1	0.435	0.543	

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SW846 9012B

SB-61A-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-21	File ID:	1511148-007
Sampled:	05/27/15 14:50	Prepared:	06/06/15 12:05	Analyzed:	06/06/15 14:04
% Solids:	49.64	Preparation:	General Preparation	Initial/Final:	0.5228 g / 50 ml
Batch:	1511148	Sequence:	S505477	Calibration:	1506013
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	2.31	1	0.771	0.963	

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SW846 9012B

SB-61A-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-22	File ID:	1511148-008
Sampled:	05/27/15 14:55	Prepared:	06/06/15 12:05	Analyzed:	06/06/15 14:05
% Solids:	60.38	Preparation:	General Preparation	Initial/Final:	0.5579 g / 50 ml
Batch:	1511148	Sequence:	S505477	Calibration:	1506013
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.681	1	0.594	0.742	J

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SW846 9012B

SB-61A-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-23	File ID:	1511148-009
Sampled:	05/27/15 15:00	Prepared:	06/06/15 12:05	Analyzed:	06/06/15 14:05
% Solids:	78.67	Preparation:	General Preparation	Initial/Final:	0.6119 g / 50 ml
Batch:	1511148	Sequence:	S505477	Calibration:	1506013
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.519	1	0.415	0.519	U

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SW846 9012B

SB-62-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-24	File ID:	1511148-010
Sampled:	05/27/15 15:20	Prepared:	06/06/15 12:05	Analyzed:	06/06/15 14:06
% Solids:	78.32	Preparation:	General Preparation	Initial/Final:	0.5021 g / 50 ml
Batch:	1511148	Sequence:	S505477	Calibration:	1506013
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	3.12	1	0.509	0.636	

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SB-62-4-8-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-25	File ID:	1511148-016
Sampled:	05/27/15 15:30	Prepared:	06/06/15 12:05	Analyzed:	06/06/15 14:11
% Solids:	80.94	Preparation:	General Preparation	Initial/Final:	0.6403 g / 50 ml
Batch:	1511148	Sequence:	S505477	Calibration:	1506013
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.67	1	0.386	0.482	

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SB-62-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-26	File ID:	1511148-017
Sampled:	05/27/15 15:33	Prepared:	06/06/15 12:05	Analyzed:	06/06/15 14:12
% Solids:	80.07	Preparation:	General Preparation	Initial/Final:	0.5643 g / 50 ml
Batch:	1511148	Sequence:	S505477	Calibration:	1506013
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	8.29	1	0.443	0.553	

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SW846 9012B

Dup-02-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-27	File ID:	1511148-018
Sampled:	05/27/15 00:00	Prepared:	06/06/15 12:05	Analyzed:	06/06/15 14:13
% Solids:	80.14	Preparation:	General Preparation	Initial/Final:	0.51 g / 50 ml
Batch:	1511148	Sequence:	S505477	Calibration:	1506013
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	7.10	1	0.489	0.612	

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SW846 9012B

SB-62-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-28	File ID:	1511148-019
Sampled:	05/27/15 15:37	Prepared:	06/06/15 12:05	Analyzed:	06/06/15 14:14
% Solids:	80.99	Preparation:	General Preparation	Initial/Final:	0.5668 g / 50 ml
Batch:	1511148	Sequence:	S505477	Calibration:	1506013
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.545	1	0.436	0.545	U

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SW846 9012B

SB-62-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-29	File ID:	1511148-023
Sampled:	05/27/15 15:40	Prepared:	06/06/15 12:05	Analyzed:	06/06/15 14:17
% Solids:	77.19	Preparation:	General Preparation	Initial/Final:	0.6225 g / 50 ml
Batch:	1511148	Sequence:	S505477	Calibration:	1506013
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.520	1	0.416	0.520	U

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SB-57-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-01	File ID:	
Sampled:	05/27/15 07:46	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	73.72	Preparation:	General Preparation	Initial/Final:	10.2601 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.4	24.4	

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SB-57-4-8-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-02	File ID:	
Sampled:	05/27/15 07:52	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	86.74	Preparation:	General Preparation	Initial/Final:	10.1881 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-57-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-03	File ID:	
Sampled:	05/27/15 08:00	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	49.48	Preparation:	General Preparation	Initial/Final:	10.0358 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SB-57-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-04	File ID:	
Sampled:	05/27/15 08:08	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	77.28	Preparation:	General Preparation	Initial/Final:	10.1141 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-57-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-05	File ID:	
Sampled:	05/27/15 08:21	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	75.37	Preparation:	General Preparation	Initial/Final:	10.1567 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.6	24.6	

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SB-58-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-06	File ID:	
Sampled:	05/27/15 08:40	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	82.05	Preparation:	General Preparation	Initial/Final:	10.2097 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-58-4-8-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-07	File ID:	
Sampled:	05/27/15 08:49	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	80.74	Preparation:	General Preparation	Initial/Final:	10.0725 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-58-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-08	File ID:	
Sampled:	05/27/15 08:56	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	56.30	Preparation:	General Preparation	Initial/Final:	10.2636 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.4	24.4	

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SB-58-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-09	File ID:	
Sampled:	05/27/15 09:08	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	82.94	Preparation:	General Preparation	Initial/Final:	10.0636 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-58-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-10	File ID:	
Sampled:	05/27/15 09:21	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	72.09	Preparation:	General Preparation	Initial/Final:	10.0517 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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DUP-01-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-11	File ID:	
Sampled:	05/27/15 09:26	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	76.23	Preparation:	General Preparation	Initial/Final:	10.1345 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SW846 Ch 7.3

SB-59-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-12	File ID:	
Sampled:	05/27/15 09:48	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	81.05	Preparation:	General Preparation	Initial/Final:	10.0572 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SW846 Ch 7.3

SB-59A-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-13	File ID:	
Sampled:	05/27/15 10:51	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	55.89	Preparation:	General Preparation	Initial/Final:	10.0718 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-59A-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-14	File ID:	
Sampled:	05/27/15 11:05	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	83.55	Preparation:	General Preparation	Initial/Final:	10.0473 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SB-59A-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-15	File ID:	
Sampled:	05/27/15 11:21	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	77.78	Preparation:	General Preparation	Initial/Final:	10.1968 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-60-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-16	File ID:	
Sampled:	05/27/15 12:17	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	89.28	Preparation:	General Preparation	Initial/Final:	10.0809 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-61-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-17	File ID:	
Sampled:	05/27/15 14:12	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	87.74	Preparation:	General Preparation	Initial/Final:	10.0527 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SB-61-4-7-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-18	File ID:	
Sampled:	05/27/15 14:20	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	65.67	Preparation:	General Preparation	Initial/Final:	10.0977 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-61A-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-19	File ID:	
Sampled:	05/27/15 14:42	Prepared:	06/05/15 10:15	Analyzed:	06/09/15 12:31
% Solids:	81.76	Preparation:	General Preparation	Initial/Final:	10.0672 g / 50 ml
Batch:	1511139	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-61A-4-8-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-20	File ID:	
Sampled:	05/27/15 14:45	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	80.50	Preparation:	General Preparation	Initial/Final:	10.2394 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.4	24.4	

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SB-61A-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-21	File ID:	
Sampled:	05/27/15 14:50	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	49.64	Preparation:	General Preparation	Initial/Final:	10.1949 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-61A-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-22	File ID:	
Sampled:	05/27/15 14:55	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	60.38	Preparation:	General Preparation	Initial/Final:	10.2524 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.4	24.4	

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SB-61A-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-23	File ID:	
Sampled:	05/27/15 15:00	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	78.67	Preparation:	General Preparation	Initial/Final:	10.2912 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.3	24.3	

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SB-62-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-24	File ID:	
Sampled:	05/27/15 15:20	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	78.32	Preparation:	General Preparation	Initial/Final:	10.0327 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SB-62-4-8-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-25	File ID:	
Sampled:	05/27/15 15:30	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	80.94	Preparation:	General Preparation	Initial/Final:	10.2107 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-62-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-26	File ID:	
Sampled:	05/27/15 15:33	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	80.07	Preparation:	General Preparation	Initial/Final:	10.1783 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.6	24.6	

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Dup-02-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-27	File ID:	
Sampled:	05/27/15 00:00	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	80.14	Preparation:	General Preparation	Initial/Final:	10.0849 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-62-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-28	File ID:	
Sampled:	05/27/15 15:37	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	80.99	Preparation:	General Preparation	Initial/Final:	10.0703 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-62-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-29	File ID:	
Sampled:	05/27/15 15:40	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	77.19	Preparation:	General Preparation	Initial/Final:	10.045 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SM2540 G Mod.

SB-57-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-01	File ID:	
Sampled:	05/27/15 07:46	Prepared:	06/03/15 10:42	Analyzed:	06/03/15 14:02
% Solids:	73.72	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510870	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	73.7	1			

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SM2540 G Mod.

SB-57-4-8-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-02	File ID:	
Sampled:	05/27/15 07:52	Prepared:	06/03/15 10:42	Analyzed:	06/03/15 14:02
% Solids:	86.74	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510870	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	86.7	1			

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SM2540 G Mod.

SB-57-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-03	File ID:	
Sampled:	05/27/15 08:00	Prepared:	06/03/15 10:42	Analyzed:	06/03/15 14:02
% Solids:	49.48	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510870	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	49.5	1			

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SM2540 G Mod.

SB-57-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-04	File ID:	
Sampled:	05/27/15 08:08	Prepared:	06/03/15 10:42	Analyzed:	06/03/15 14:02
% Solids:	77.28	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510870	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	77.3	1			

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SM2540 G Mod.

SB-57-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-05	File ID:	
Sampled:	05/27/15 08:21	Prepared:	06/03/15 10:42	Analyzed:	06/03/15 14:02
% Solids:	75.37	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510870	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	75.4	1			

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SM2540 G Mod.

SB-58-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-06	File ID:	
Sampled:	05/27/15 08:40	Prepared:	06/03/15 10:42	Analyzed:	06/03/15 14:02
% Solids:	82.05	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510870	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.0	1			

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SM2540 G Mod.

SB-58-4-8-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-07	File ID:	
Sampled:	05/27/15 08:49	Prepared:	06/03/15 10:42	Analyzed:	06/03/15 14:02
% Solids:	80.74	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510870	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.7	1			

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SM2540 G Mod.

SB-58-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-08	File ID:	
Sampled:	05/27/15 08:56	Prepared:	06/03/15 10:42	Analyzed:	06/03/15 14:02
% Solids:	56.30	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510870	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	56.3	1			

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SM2540 G Mod.

SB-58-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-09	File ID:	
Sampled:	05/27/15 09:08	Prepared:	06/03/15 10:42	Analyzed:	06/03/15 14:02
% Solids:	82.94	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510870	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.9	1			

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SM2540 G Mod.

SB-58-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-10	File ID:	
Sampled:	05/27/15 09:21	Prepared:	06/03/15 10:42	Analyzed:	06/03/15 14:02
% Solids:	72.09	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510870	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	72.1	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

DUP-01-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-11	File ID:	
Sampled:	05/27/15 09:26	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	76.23	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	76.2	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-59-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-12	File ID:	
Sampled:	05/27/15 09:48	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	81.05	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	81.0	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-59A-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-13	File ID:	
Sampled:	05/27/15 10:51	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	55.89	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	55.9	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-59A-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-14	File ID:	
Sampled:	05/27/15 11:05	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	83.55	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	83.6	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-59A-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-15	File ID:	
Sampled:	05/27/15 11:21	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	77.78	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	77.8	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-60-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-16	File ID:	
Sampled:	05/27/15 12:17	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	89.28	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	89.3	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-61-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-17	File ID:	
Sampled:	05/27/15 14:12	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	87.74	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	87.7	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-61-4-7-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-18	File ID:	
Sampled:	05/27/15 14:20	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	65.67	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	65.7	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-61A-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-19	File ID:	
Sampled:	05/27/15 14:42	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	81.76	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	81.8	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-61A-4-8-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-20	File ID:	
Sampled:	05/27/15 14:45	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	80.50	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-61A-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-21	File ID:	
Sampled:	05/27/15 14:50	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	49.64	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	49.6	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-61A-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-22	File ID:	
Sampled:	05/27/15 14:55	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	60.38	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	60.4	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-61A-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-23	File ID:	
Sampled:	05/27/15 15:00	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	78.67	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	78.7	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-62-0-4-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-24	File ID:	
Sampled:	05/27/15 15:20	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	78.32	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	78.3	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-62-4-8-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-25	File ID:	
Sampled:	05/27/15 15:30	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	80.94	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.9	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-62-8-12-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-26	File ID:	
Sampled:	05/27/15 15:33	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	80.07	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.1	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

Dup-02-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-27	File ID:	
Sampled:	05/27/15 00:00	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	80.14	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.1	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-62-12-16-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-28	File ID:	
Sampled:	05/27/15 15:37	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	80.99	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	81.0	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-62-16-20-052715

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08268
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0987			Received:	06/02/15 13:45
Matrix:	Soil	Laboratory ID:	SC08268-29	File ID:	
Sampled:	05/27/15 15:40	Prepared:	06/03/15 12:31	Analyzed:	06/03/15 14:02
% Solids:	77.19	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1510891	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	77.2	1			

Report Date:
16-Jun-15 16:36

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: P0990
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
P0990-01	SB-69-0-4-052815	Soil	28-May-15 15:28	30-May-15 09:40
P0990-02	SB-69-4-8-052815	Soil	28-May-15 15:35	30-May-15 09:40
P0990-03	SB-69-8-12-052815	Soil	28-May-15 15:46	30-May-15 09:40
P0990-04	SB-69-12-16-052815	Soil	28-May-15 15:56	30-May-15 09:40
P0990-05	DUP-05-052815	Soil	28-May-15 00:00	30-May-15 09:40
P0990-06	SB-69-16-20-052815	Soil	28-May-15 16:04	30-May-15 09:40
P0990-07	SB-68-16-20-052815	Soil	28-May-15 14:52	30-May-15 09:40
P0990-08	SB-68-12-16-052815	Soil	28-May-15 14:42	30-May-15 09:40
P0990-09	SB-68-8-12-052815	Soil	28-May-15 14:34	30-May-15 09:40
P0990-10	SB-68-4-8-052815	Soil	28-May-15 14:27	30-May-15 09:40
P0990-11	SB-66-0-4-052815	Soil	28-May-15 12:00	30-May-15 09:40
P0990-12	SB-66-4-8-052815	Soil	28-May-15 12:06	30-May-15 09:40
P0990-13	SB-65-12-16-052815	Soil	28-May-15 10:50	30-May-15 09:40
P0990-14	SB-65-16-20-052815	Soil	28-May-15 11:02	30-May-15 09:40
P0990-15	SB-66-8-12-052815	Soil	28-May-15 12:15	30-May-15 09:40
P0990-16	SB-66-12-16-052815	Soil	28-May-15 12:20	30-May-15 09:40
P0990-17	SB-66-16-20-052815	Soil	28-May-15 12:25	30-May-15 09:40
P0990-18	SB-65-8-12-052815	Soil	28-May-15 10:45	30-May-15 09:40
P0990-19	SB-65-4-8-052815	Soil	28-May-15 10:40	30-May-15 09:40
P0990-20	SB-65-0-4-052815	Soil	28-May-15 10:34	30-May-15 09:40
P0990-21	SB-68-0-4-052815	Soil	28-May-15 14:20	30-May-15 09:40
P0990-22	SB-67-16-20-052815	Soil	28-May-15 13:21	30-May-15 09:40
P0990-23	DUP-04-052815	Soil	28-May-15 00:00	30-May-15 09:40
P0990-24	SB-67-12-16-052815	Soil	28-May-15 13:18	30-May-15 09:40
P0990-25	SB-67-8-12-052815	Soil	28-May-15 13:13	30-May-15 09:40
P0990-26	SB-67-4-8-052815	Soil	28-May-15 13:06	30-May-15 09:40
P0990-27	DUP-03-052815	Soil	28-May-15 00:00	30-May-15 09:40
P0990-28	SB-67-0-4-052815	Soil	28-May-15 13:00	30-May-15 09:40
P0990-29	SB-64A-16-20-052815	Soil	28-May-15 10:09	30-May-15 09:40
P0990-30	SB-64A-12-16-052815	Soil	28-May-15 10:04	30-May-15 09:40
P0990-31	SB-64A-8-12-052815	Soil	28-May-15 09:49	30-May-15 09:40
P0990-32	SB-64A-4-8-052815	Soil	28-May-15 09:42	30-May-15 09:40
P0990-33	SB-64A-0-4-052815	Soil	28-May-15 09:32	30-May-15 09:40
P0990-34	SB-64-0-4-052815	Soil	28-May-15 09:03	30-May-15 09:40
P0990-35	SB-63-0-4-052815	Soil	28-May-15 07:55	30-May-15 09:40
P0990-36	SB-63-4-8-052815	Soil	28-May-15 08:01	30-May-15 09:40
P0990-37	SB-63-8-12-052815	Soil	28-May-15 08:04	30-May-15 09:40
P0990-38	SB-63-12-16-052815	Soil	28-May-15 08:10	30-May-15 09:40
P0990-39	SB-63-16-20-052815	Soil	28-May-15 08:26	30-May-15 09:40
P0990-40	SB-70-0-4-052915	Soil	29-May-15 07:53	30-May-15 09:40
P0990-41	SB-70-4-8-052915	Soil	29-May-15 07:59	30-May-15 09:40
P0990-42	SB-70-8-12-052915	Soil	29-May-15 08:09	30-May-15 09:40
P0990-43	SB-70-12-16-052915	Soil	29-May-15 08:18	30-May-15 09:40
P0990-44	SB-70-16-20-052915	Soil	29-May-15 08:27	30-May-15 09:40
P0990-45	SB-71-0-4-052915	Soil	29-May-15 08:55	30-May-15 09:40
P0990-46	SB-DUP-06-052915	Soil	29-May-15 00:00	30-May-15 09:40
P0990-47	SB-71-4-8-052915	Soil	29-May-15 09:01	30-May-15 09:40
P0990-48	SB-DUP-07-052915	Soil	29-May-15 00:00	30-May-15 09:40

Report Date:
16-Jun-15 16:36

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SPECTRUM ANALYTICAL, INC.

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: P0990
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
P0990-49	SB-71-8-12-052915	Soil	29-May-15 09:06	30-May-15 09:40
P0990-50	SB-71-12-16-052915	Soil	29-May-15 09:16	30-May-15 09:40
P0990-51	SB-71-16-20-052915	Soil	29-May-15 09:26	30-May-15 09:40
P0990-52	SB-72-0-4-052915	Soil	29-May-15 10:06	30-May-15 09:40
P0990-53	SB-72-4-8-052915	Soil	29-May-15 10:09	30-May-15 09:40
P0990-54	SB-72-8-12-052915	Soil	29-May-15 10:13	30-May-15 09:40
P0990-55	SB-73-0-4-052915	Soil	29-May-15 11:34	30-May-15 09:40
P0990-56	SB-73-4-8-052915	Soil	29-May-15 11:40	30-May-15 09:40
P0990-57	SB-73-8-12-052915	Soil	29-May-15 11:47	30-May-15 09:40

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director

* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0990

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-69-0-4-052815	P0990-01		SW8270_S		SW6010_S	SEE DATA
SB-69-0-4-052815	P0990-01				SW7471	
SB-69-4-8-052815	P0990-02		SW8270_S		SW6010_S	SEE DATA
SB-69-4-8-052815	P0990-02				SW7471	
SB-69-8-12-052815	P0990-03		SW8270_S		SW6010_S	SEE DATA
SB-69-8-12-052815	P0990-03				SW7471	
SB-69-12-16-052815	P0990-04		SW8270_S		SW6010_S	SEE DATA
SB-69-12-16-052815	P0990-04				SW7471	
DUP-05-052815	P0990-05					SEE DATA
SB-69-16-20-052815	P0990-06		SW8270_S		SW6010_S	SEE DATA
SB-69-16-20-052815	P0990-06				SW7471	
SB-68-16-20-052815	P0990-07		SW8270_S		SW6010_S	SEE DATA
SB-68-16-20-052815	P0990-07				SW7471	
SB-68-12-16-052815	P0990-08		SW8270_S		SW6010_S	SEE DATA
SB-68-12-16-052815	P0990-08				SW7471	
SB-68-8-12-052815	P0990-09		SW8270_S		SW6010_S	SEE DATA
SB-68-8-12-052815	P0990-09				SW7471	
SB-68-4-8-052815	P0990-10		SW8270_S		SW6010_S	SEE DATA
SB-68-4-8-052815	P0990-10				SW7471	
SB-66-0-4-052815	P0990-11		SW8270_S		SW6010_S	SEE DATA
SB-66-0-4-052815	P0990-11				SW7471	
SB-66-4-8-052815	P0990-12		SW8270_S		SW6010_S	SEE DATA
SB-66-4-8-052815	P0990-12				SW7471	
SB-65-12-16-052815	P0990-13		SW8270_S		SW6010_S	SEE DATA
SB-65-12-16-052815	P0990-13				SW7471	
SB-65-16-20-052815	P0990-14		SW8270_S		SW6010_S	SEE DATA
SB-65-16-20-052815	P0990-14				SW7471	
SB-66-8-12-052815	P0990-15					SEE DATA
SB-66-12-16-052815	P0990-16		SW8270_S		SW6010_S	SEE DATA
SB-66-12-16-052815	P0990-16				SW7471	
SB-66-16-20-052815	P0990-17		SW8270_S		SW6010_S	SEE DATA
SB-66-16-20-052815	P0990-17				SW7471	
SB-65-8-12-052815	P0990-18					SEE DATA
SB-65-4-8-052815	P0990-19		SW8270_S		SW6010_S	SEE DATA
SB-65-4-8-052815	P0990-19				SW7471	
SB-65-0-4-052815	P0990-20		SW8270_S		SW6010_S	SEE DATA
SB-65-0-4-052815	P0990-20				SW7471	
SB-68-0-4-052815	P0990-21		SW8270_S		SW6010_S	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0990

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-68-0-4-052815	P0990-21				SW7471	
SB-67-16-20-052815	P0990-22		SW8270_S		SW6010_S	SEE DATA
SB-67-16-20-052815	P0990-22				SW7471	
DUP-04-052815	P0990-23					SEE DATA
SB-67-12-16-052815	P0990-24		SW8270_S		SW6010_S	SEE DATA
SB-67-12-16-052815	P0990-24				SW7471	
SB-67-8-12-052815	P0990-25		SW8270_S		SW6010_S	SEE DATA
SB-67-8-12-052815	P0990-25				SW7471	
SB-67-4-8-052815	P0990-26		SW8270_S		SW6010_S	SEE DATA
SB-67-4-8-052815	P0990-26				SW7471	
DUP-03-052815	P0990-27					SEE DATA
SB-67-0-4-052815	P0990-28		SW8270_S		SW6010_S	SEE DATA
SB-67-0-4-052815	P0990-28				SW7471	
SB-64A-16-20-052815	P0990-29		SW8270_S		SW6010_S	SEE DATA
SB-64A-16-20-052815	P0990-29				SW7471	
SB-64A-12-16-052815	P0990-30		SW8270_S		SW6010_S	SEE DATA
SB-64A-12-16-052815	P0990-30				SW7471	
SB-64A-8-12-052815	P0990-31		SW8270_S		SW6010_S	SEE DATA
SB-64A-8-12-052815	P0990-31				SW7471	
SB-64A-4-8-052815	P0990-32		SW8270_S		SW6010_S	SEE DATA
SB-64A-4-8-052815	P0990-32				SW7471	
SB-64A-0-4-052815	P0990-33		SW8270_S		SW6010_S	SEE DATA
SB-64A-0-4-052815	P0990-33				SW7471	
SB-64-0-4-052815	P0990-34		SW8270_S		SW6010_S	SEE DATA
SB-64-0-4-052815	P0990-34				SW7471	
SB-63-0-4-052815	P0990-35		SW8270_S		SW6010_S	SEE DATA
SB-63-0-4-052815	P0990-35				SW7471	
SB-63-4-8-052815	P0990-36		SW8270_S		SW6010_S	SEE DATA
SB-63-4-8-052815	P0990-36				SW7471	
SB-63-8-12-052815	P0990-37		SW8270_S		SW6010_S	SEE DATA
SB-63-8-12-052815	P0990-37				SW7471	
SB-63-12-16-052815	P0990-38		SW8270_S		SW6010_S	SEE DATA
SB-63-12-16-052815	P0990-38				SW7471	
SB-63-16-20-052815	P0990-39		SW8270_S		SW6010_S	SEE DATA
SB-63-16-20-052815	P0990-39				SW7471	
SB-70-0-4-052915	P0990-40		SW8270_S		SW6010_S	SEE DATA
SB-70-0-4-052915	P0990-40				SW7471	
SB-70-4-8-052915	P0990-41		SW8270_S		SW6010_S	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0990

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-70-4-8-052915	P0990-41				SW7471	
SB-70-8-12-052915	P0990-42					SEE DATA
SB-70-12-16-052915	P0990-43		SW8270_S		SW6010_S	SEE DATA
SB-70-12-16-052915	P0990-43				SW7471	
SB-70-16-20-052915	P0990-44		SW8270_S		SW6010_S	SEE DATA
SB-70-16-20-052915	P0990-44				SW7471	
SB-71-0-4-052915	P0990-45		SW8270_S		SW6010_S	SEE DATA
SB-71-0-4-052915	P0990-45				SW7471	
SB-DUP-06-052915	P0990-46		SW8270_S		SW6010_S	SEE DATA
SB-DUP-06-052915	P0990-46				SW7471	
SB-71-4-8-052915	P0990-47		SW8270_S		SW6010_S	SEE DATA
SB-71-4-8-052915	P0990-47				SW7471	
SB-DUP-07-052915	P0990-48		SW8270_S		SW6010_S	SEE DATA
SB-DUP-07-052915	P0990-48				SW7471	
SB-71-8-12-052915	P0990-49		SW8270_S		SW6010_S	SEE DATA
SB-71-8-12-052915	P0990-49				SW7471	
SB-71-12-16-052915	P0990-50		SW8270_S		SW6010_S	SEE DATA
SB-71-12-16-052915	P0990-50				SW7471	
SB-71-16-20-052915	P0990-51		SW8270_S		SW6010_S	SEE DATA
SB-71-16-20-052915	P0990-51				SW7471	
SB-72-0-4-052915	P0990-52		SW8270_S		SW6010_S	SEE DATA
SB-72-0-4-052915	P0990-52				SW7471	
SB-72-4-8-052915	P0990-53		SW8270_S		SW6010_S	SEE DATA
SB-72-4-8-052915	P0990-53				SW7471	
SB-72-8-12-052915	P0990-54		SW8270_S		SW6010_S	SEE DATA
SB-72-8-12-052915	P0990-54				SW7471	
SB-73-0-4-052915	P0990-55		SW8270_S		SW6010_S	SEE DATA
SB-73-0-4-052915	P0990-55				SW7471	
SB-73-4-8-052915	P0990-56		SW8270_S		SW6010_S	SEE DATA
SB-73-4-8-052915	P0990-56				SW7471	
SB-73-8-12-052915	P0990-57		SW8270_S		SW6010_S	SEE DATA
SB-73-8-12-052915	P0990-57				SW7471	

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** P0990

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_S					

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** P0990

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
P0990-01A	SL	5/28/2015	5/30/2015	6/1/2015	6/4/2015
P0990-02A	SL	5/28/2015	5/30/2015	6/1/2015	6/4/2015
P0990-02ADL	SL	5/28/2015	5/30/2015	6/1/2015	6/8/2015
P0990-03A	SL	5/28/2015	5/30/2015	6/1/2015	6/4/2015
P0990-04A	SL	5/28/2015	5/30/2015	6/1/2015	6/4/2015
P0990-06A	SL	5/28/2015	5/30/2015	6/1/2015	6/4/2015
P0990-07A	SL	5/28/2015	5/30/2015	6/1/2015	6/4/2015
P0990-08A	SL	5/28/2015	5/30/2015	6/1/2015	6/4/2015
P0990-09A	SL	5/28/2015	5/30/2015	6/1/2015	6/4/2015
P0990-10A	SL	5/28/2015	5/30/2015	6/1/2015	6/4/2015
P0990-11A	SL	5/28/2015	5/30/2015	6/1/2015	6/4/2015
P0990-12A	SL	5/28/2015	5/30/2015	6/1/2015	6/4/2015
P0990-13A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-14A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-16A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-17A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-19A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-20A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-21A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-22A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-24A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-25A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-25AMS	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-25AMSD	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-26A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-28A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-29A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-30A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-31A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-32A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-33A	SL	5/28/2015	5/30/2015	6/10/2015	6/11/2015
P0990-33ADL	SL	5/28/2015	5/30/2015	6/10/2015	6/12/2015
P0990-34A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-35A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-36A	SL	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0990-37A	SL	5/28/2015	5/30/2015	6/10/2015	6/11/2015
P0990-38A	SL	5/28/2015	5/30/2015	6/10/2015	6/11/2015
P0990-39A	SL	5/28/2015	5/30/2015	6/10/2015	6/11/2015
P0990-40A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-41A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-43A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-44A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-45A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-46A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-47A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-48A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-49A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-50A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-51A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** P0990

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
P0990-52A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-53A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-54A	SL	5/29/2015	5/30/2015	6/10/2015	6/12/2015
P0990-54ADL	SL	5/29/2015	5/30/2015	6/10/2015	6/15/2015
P0990-55A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-56A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015
P0990-57A	SL	5/29/2015	5/30/2015	6/10/2015	6/11/2015

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** P0990

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_S					

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** P0990

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
P0990-01A	SL	SW8270_S	3550B	NA	1
P0990-02A	SL	SW8270_S	3550B	NA	1
P0990-02ADL	SL	SW8270_S	3550B	NA	2
P0990-03A	SL	SW8270_S	3550B	NA	1
P0990-04A	SL	SW8270_S	3550B	NA	1
P0990-06A	SL	SW8270_S	3550B	NA	1
P0990-07A	SL	SW8270_S	3550B	NA	1
P0990-08A	SL	SW8270_S	3550B	NA	1
P0990-09A	SL	SW8270_S	3550B	NA	1
P0990-10A	SL	SW8270_S	3550B	NA	1
P0990-11A	SL	SW8270_S	3550B	NA	1
P0990-12A	SL	SW8270_S	3550B	NA	1
P0990-13A	SL	SW8270_S	3550B	NA	1
P0990-14A	SL	SW8270_S	3550B	NA	1
P0990-16A	SL	SW8270_S	3550B	NA	1
P0990-17A	SL	SW8270_S	3550B	NA	1
P0990-19A	SL	SW8270_S	3550B	NA	1
P0990-20A	SL	SW8270_S	3550B	NA	1
P0990-21A	SL	SW8270_S	3550B	NA	1
P0990-22A	SL	SW8270_S	3550B	NA	1
P0990-24A	SL	SW8270_S	3550B	NA	1
P0990-25A	SL	SW8270_S	3550B	NA	1
P0990-25AMS	SL	SW8270_S	3550B	NA	1
P0990-25AMSD	SL	SW8270_S	3550B	NA	1
P0990-26A	SL	SW8270_S	3550B	NA	1
P0990-28A	SL	SW8270_S	3550B	NA	1
P0990-29A	SL	SW8270_S	3550B	NA	1
P0990-30A	SL	SW8270_S	3550B	NA	1
P0990-31A	SL	SW8270_S	3550B	NA	1
P0990-32A	SL	SW8270_S	3550B	NA	1
P0990-33A	SL	SW8270_S	3550B	NA	1
P0990-33ADL	SL	SW8270_S	3550B	NA	5
P0990-34A	SL	SW8270_S	3550B	NA	1
P0990-35A	SL	SW8270_S	3550B	NA	1
P0990-36A	SL	SW8270_S	3550B	NA	1
P0990-37A	SL	SW8270_S	3550B	NA	1
P0990-38A	SL	SW8270_S	3550B	NA	1
P0990-39A	SL	SW8270_S	3550B	NA	1
P0990-40A	SL	SW8270_S	3550B	NA	1
P0990-41A	SL	SW8270_S	3550B	NA	1
P0990-43A	SL	SW8270_S	3550B	NA	1
P0990-44A	SL	SW8270_S	3550B	NA	1
P0990-45A	SL	SW8270_S	3550B	NA	1
P0990-46A	SL	SW8270_S	3550B	NA	1
P0990-47A	SL	SW8270_S	3550B	NA	1
P0990-48A	SL	SW8270_S	3550B	NA	1
P0990-49A	SL	SW8270_S	3550B	NA	1
P0990-50A	SL	SW8270_S	3550B	NA	1
P0990-51A	SL	SW8270_S	3550B	NA	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** P0990

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
P0990-52A	SL	SW8270_S	3550B	NA	1
P0990-53A	SL	SW8270_S	3550B	NA	1
P0990-54A	SL	SW8270_S	3550B	NA	1
P0990-54ADL	SL	SW8270_S	3550B	NA	2
P0990-55A	SL	SW8270_S	3550B	NA	1
P0990-56A	SL	SW8270_S	3550B	NA	1
P0990-57A	SL	SW8270_S	3550B	NA	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** P0990

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_S				

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** P0990

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
P0990-01A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-02A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-03A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-04A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-06A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-07A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-08A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-09A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-10A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-11A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-12A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-13A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-14A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-16A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-17A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-19A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-19ADUP	SL	SW6010_S	5/30/2015	6/10/2015
P0990-19ADUP	SL	SW6010_S	5/30/2015	6/10/2015
P0990-19AMS	SL	SW6010_S	5/30/2015	6/10/2015
P0990-20A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-21A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-22A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-24A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-25A	SL	SW6010_S	5/30/2015	6/10/2015
P0990-25ADUP	SL	SW6010_S	5/30/2015	6/10/2015
P0990-25AMS	SL	SW6010_S	5/30/2015	6/10/2015
P0990-26A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-28A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-29A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-30A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-31A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-32A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-33A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-34A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-35A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-36A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-37A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-38A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-39A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-40A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-41A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-43A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-44A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-45A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-46A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-47A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-48A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-49A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-50A	SL	SW6010_S	5/30/2015	6/11/2015

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** P0990

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
P0990-51A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-52A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-53A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-54A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-55A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-56A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-57A	SL	SW6010_S	5/30/2015	6/11/2015
P0990-57ADUP	SL	SW6010_S	5/30/2015	6/11/2015
P0990-57AMS	SL	SW6010_S	5/30/2015	6/11/2015
SW7471				

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** P0990

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
P0990-01A	SL	SW7471	5/30/2015	6/9/2015
P0990-02A	SL	SW7471	5/30/2015	6/9/2015
P0990-03A	SL	SW7471	5/30/2015	6/9/2015
P0990-04A	SL	SW7471	5/30/2015	6/9/2015
P0990-06A	SL	SW7471	5/30/2015	6/9/2015
P0990-07A	SL	SW7471	5/30/2015	6/9/2015
P0990-08A	SL	SW7471	5/30/2015	6/9/2015
P0990-09A	SL	SW7471	5/30/2015	6/9/2015
P0990-10A	SL	SW7471	5/30/2015	6/9/2015
P0990-11A	SL	SW7471	5/30/2015	6/9/2015
P0990-12A	SL	SW7471	5/30/2015	6/9/2015
P0990-13A	SL	SW7471	5/30/2015	6/9/2015
P0990-14A	SL	SW7471	5/30/2015	6/9/2015
P0990-16A	SL	SW7471	5/30/2015	6/9/2015
P0990-17A	SL	SW7471	5/30/2015	6/9/2015
P0990-19A	SL	SW7471	5/30/2015	6/9/2015
P0990-20A	SL	SW7471	5/30/2015	6/9/2015
P0990-21A	SL	SW7471	5/30/2015	6/9/2015
P0990-22A	SL	SW7471	5/30/2015	6/9/2015
P0990-24A	SL	SW7471	5/30/2015	6/9/2015
P0990-24ADUP	SL	SW7471	5/30/2015	6/9/2015
P0990-24AMS	SL	SW7471	5/30/2015	6/9/2015
P0990-25A	SL	SW7471	5/30/2015	6/9/2015
P0990-25ADUP	SL	SW7471	5/30/2015	6/9/2015
P0990-25AMS	SL	SW7471	5/30/2015	6/9/2015
P0990-26A	SL	SW7471	5/30/2015	6/9/2015
P0990-28A	SL	SW7471	5/30/2015	6/9/2015
P0990-29A	SL	SW7471	5/30/2015	6/9/2015
P0990-30A	SL	SW7471	5/30/2015	6/9/2015
P0990-31A	SL	SW7471	5/30/2015	6/9/2015
P0990-32A	SL	SW7471	5/30/2015	6/9/2015
P0990-33A	SL	SW7471	5/30/2015	6/9/2015
P0990-34A	SL	SW7471	5/30/2015	6/9/2015
P0990-35A	SL	SW7471	5/30/2015	6/9/2015
P0990-36A	SL	SW7471	5/30/2015	6/9/2015
P0990-37A	SL	SW7471	5/30/2015	6/9/2015
P0990-38A	SL	SW7471	5/30/2015	6/9/2015
P0990-39A	SL	SW7471	5/30/2015	6/9/2015
P0990-40A	SL	SW7471	5/30/2015	6/9/2015
P0990-41A	SL	SW7471	5/30/2015	6/9/2015
P0990-43A	SL	SW7471	5/30/2015	6/9/2015
P0990-44A	SL	SW7471	5/30/2015	6/9/2015
P0990-45A	SL	SW7471	5/30/2015	6/9/2015
P0990-46A	SL	SW7471	5/30/2015	6/9/2015
P0990-47A	SL	SW7471	5/30/2015	6/9/2015
P0990-48A	SL	SW7471	5/30/2015	6/9/2015
P0990-49A	SL	SW7471	5/30/2015	6/9/2015
P0990-50A	SL	SW7471	5/30/2015	6/9/2015
P0990-51A	SL	SW7471	5/30/2015	6/9/2015

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** P0990

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
P0990-52A	SL	SW7471	5/30/2015	6/9/2015
P0990-53A	SL	SW7471	5/30/2015	6/9/2015
P0990-54A	SL	SW7471	5/30/2015	6/9/2015
P0990-55A	SL	SW7471	5/30/2015	6/9/2015
P0990-56A	SL	SW7471	5/30/2015	6/9/2015
P0990-57A	SL	SW7471	5/30/2015	6/9/2015
P0990-57ADUP	SL	SW7471	5/30/2015	6/9/2015
P0990-57AMS	SL	SW7471	5/30/2015	6/9/2015

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-01A	SB-69-0-4-052815	05/28/2015 15:28	05/30/2015	Soil	PMoist	/					O3
P0990-01A	SB-69-0-4-052815	05/28/2015 15:28	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-01A	SB-69-0-4-052815	05/28/2015 15:28	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-01A	SB-69-0-4-052815	05/28/2015 15:28	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-01A	SB-69-0-4-052815	05/28/2015 15:28	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-01A	SB-69-0-4-052815	05/28/2015 15:28	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-02A	SB-69-4-8-052815	05/28/2015 15:35	05/30/2015	Soil	PMoist	/					O3
P0990-02A	SB-69-4-8-052815	05/28/2015 15:35	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-02A	SB-69-4-8-052815	05/28/2015 15:35	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-02A	SB-69-4-8-052815	05/28/2015 15:35	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-02A	SB-69-4-8-052815	05/28/2015 15:35	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-02A	SB-69-4-8-052815	05/28/2015 15:35	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-03A	SB-69-8-12-052815	05/28/2015 15:46	05/30/2015	Soil	PMoist	/					O3
P0990-03A	SB-69-8-12-052815	05/28/2015 15:46	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-03A	SB-69-8-12-052815	05/28/2015 15:46	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-03A	SB-69-8-12-052815	05/28/2015 15:46	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-03A	SB-69-8-12-052815	05/28/2015 15:46	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-03A	SB-69-8-12-052815	05/28/2015 15:46	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-04A	SB-69-12-16-052815	05/28/2015 15:56	05/30/2015	Soil	PMoist	/					O3
P0990-04A	SB-69-12-16-052815	05/28/2015 15:56	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-04A	SB-69-12-16-052815	05/28/2015 15:56	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-04A	SB-69-12-16-052815	05/28/2015 15:56	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-04A	SB-69-12-16-052815	05/28/2015 15:56	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-04A	SB-69-12-16-052815	05/28/2015 15:56	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

06/03/2015 10:55 Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-05A	DUP-05-052815	05/28/2015 00:00	05/30/2015	Soil	PMoist	/		Y			O3
P0990-05A	DUP-05-052815	05/28/2015 00:00	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-06A	SB-69-16-20-052815	05/28/2015 16:04	05/30/2015	Soil	PMoist	/					O3
P0990-06A	SB-69-16-20-052815	05/28/2015 16:04	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-06A	SB-69-16-20-052815	05/28/2015 16:04	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-06A	SB-69-16-20-052815	05/28/2015 16:04	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-06A	SB-69-16-20-052815	05/28/2015 16:04	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-06A	SB-69-16-20-052815	05/28/2015 16:04	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-07A	SB-68-16-20-052815	05/28/2015 14:52	05/30/2015	Soil	PMoist	/					O3
P0990-07A	SB-68-16-20-052815	05/28/2015 14:52	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-07A	SB-68-16-20-052815	05/28/2015 14:52	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-07A	SB-68-16-20-052815	05/28/2015 14:52	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-07A	SB-68-16-20-052815	05/28/2015 14:52	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-07A	SB-68-16-20-052815	05/28/2015 14:52	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-08A	SB-68-12-16-052815	05/28/2015 14:42	05/30/2015	Soil	PMoist	/					O3
P0990-08A	SB-68-12-16-052815	05/28/2015 14:42	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-08A	SB-68-12-16-052815	05/28/2015 14:42	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-08A	SB-68-12-16-052815	05/28/2015 14:42	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-08A	SB-68-12-16-052815	05/28/2015 14:42	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-08A	SB-68-12-16-052815	05/28/2015 14:42	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-09A	SB-68-8-12-052815	05/28/2015 14:34	05/30/2015	Soil	PMoist	/					O3
P0990-09A	SB-68-8-12-052815	05/28/2015 14:34	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-09A	SB-68-8-12-052815	05/28/2015 14:34	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-09A	SB-68-8-12-052815	05/28/2015 14:34	05/30/2015	Soil	SW7471	/ TAL					O3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-09A	SB-68-8-12-052815	05/28/2015 14:34	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-09A	SB-68-8-12-052815	05/28/2015 14:34	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-10A	SB-68-4-8-052815	05/28/2015 14:27	05/30/2015	Soil	PMoist	/					O3
P0990-10A	SB-68-4-8-052815	05/28/2015 14:27	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-10A	SB-68-4-8-052815	05/28/2015 14:27	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-10A	SB-68-4-8-052815	05/28/2015 14:27	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-10A	SB-68-4-8-052815	05/28/2015 14:27	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-10A	SB-68-4-8-052815	05/28/2015 14:27	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-11A	SB-66-0-4-052815	05/28/2015 12:00	05/30/2015	Soil	PMoist	/					O3
P0990-11A	SB-66-0-4-052815	05/28/2015 12:00	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-11A	SB-66-0-4-052815	05/28/2015 12:00	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-11A	SB-66-0-4-052815	05/28/2015 12:00	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-11A	SB-66-0-4-052815	05/28/2015 12:00	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-11A	SB-66-0-4-052815	05/28/2015 12:00	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-12A	SB-66-4-8-052815	05/28/2015 12:06	05/30/2015	Soil	PMoist	/					O3
P0990-12A	SB-66-4-8-052815	05/28/2015 12:06	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-12A	SB-66-4-8-052815	05/28/2015 12:06	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-12A	SB-66-4-8-052815	05/28/2015 12:06	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-12A	SB-66-4-8-052815	05/28/2015 12:06	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-12A	SB-66-4-8-052815	05/28/2015 12:06	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-13A	SB-65-12-16-052815	05/28/2015 10:50	05/30/2015	Soil	PMoist	/					O3
P0990-13A	SB-65-12-16-052815	05/28/2015 10:50	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-13A	SB-65-12-16-052815	05/28/2015 10:50	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-13A	SB-65-12-16-052815	05/28/2015 10:50	05/30/2015	Soil	SW7471	/ TAL					O3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-13A	SB-65-12-16-052815	05/28/2015 10:50	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-13A	SB-65-12-16-052815	05/28/2015 10:50	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-14A	SB-65-16-20-052815	05/28/2015 11:02	05/30/2015	Soil	PMoist	/					O3
P0990-14A	SB-65-16-20-052815	05/28/2015 11:02	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-14A	SB-65-16-20-052815	05/28/2015 11:02	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-14A	SB-65-16-20-052815	05/28/2015 11:02	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-14A	SB-65-16-20-052815	05/28/2015 11:02	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-14A	SB-65-16-20-052815	05/28/2015 11:02	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-15A	SB-66-8-12-052815	05/28/2015 12:15	05/30/2015	Soil	PMoist	/		Y			O3
P0990-15A	SB-66-8-12-052815	05/28/2015 12:15	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-16A	SB-66-12-16-052815	05/28/2015 12:20	05/30/2015	Soil	PMoist	/					O3
P0990-16A	SB-66-12-16-052815	05/28/2015 12:20	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-16A	SB-66-12-16-052815	05/28/2015 12:20	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-16A	SB-66-12-16-052815	05/28/2015 12:20	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-16A	SB-66-12-16-052815	05/28/2015 12:20	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-16A	SB-66-12-16-052815	05/28/2015 12:20	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-17A	SB-66-16-20-052815	05/28/2015 12:25	05/30/2015	Soil	PMoist	/					O3
P0990-17A	SB-66-16-20-052815	05/28/2015 12:25	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-17A	SB-66-16-20-052815	05/28/2015 12:25	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-17A	SB-66-16-20-052815	05/28/2015 12:25	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-17A	SB-66-16-20-052815	05/28/2015 12:25	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-17A	SB-66-16-20-052815	05/28/2015 12:25	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-18A	SB-65-8-12-052815	05/28/2015 10:45	05/30/2015	Soil	PMoist	/		Y			O3
P0990-18A	SB-65-8-12-052815	05/28/2015 10:45	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-19A	SB-65-4-8-052815	05/28/2015 10:40	05/30/2015	Soil	PMoist	/					O3
P0990-19A	SB-65-4-8-052815	05/28/2015 10:40	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-19A	SB-65-4-8-052815	05/28/2015 10:40	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-19A	SB-65-4-8-052815	05/28/2015 10:40	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-19A	SB-65-4-8-052815	05/28/2015 10:40	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-19A	SB-65-4-8-052815	05/28/2015 10:40	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-20A	SB-65-0-4-052815	05/28/2015 10:34	05/30/2015	Soil	PMoist	/					O3
P0990-20A	SB-65-0-4-052815	05/28/2015 10:34	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-20A	SB-65-0-4-052815	05/28/2015 10:34	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-20A	SB-65-0-4-052815	05/28/2015 10:34	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-20A	SB-65-0-4-052815	05/28/2015 10:34	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-20A	SB-65-0-4-052815	05/28/2015 10:34	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-21A	SB-68-0-4-052815	05/28/2015 14:20	05/30/2015	Soil	PMoist	/					O3
P0990-21A	SB-68-0-4-052815	05/28/2015 14:20	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-21A	SB-68-0-4-052815	05/28/2015 14:20	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-21A	SB-68-0-4-052815	05/28/2015 14:20	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-21A	SB-68-0-4-052815	05/28/2015 14:20	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-21A	SB-68-0-4-052815	05/28/2015 14:20	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-22A	SB-67-16-20-052815	05/28/2015 13:21	05/30/2015	Soil	PMoist	/					O3
P0990-22A	SB-67-16-20-052815	05/28/2015 13:21	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-22A	SB-67-16-20-052815	05/28/2015 13:21	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-22A	SB-67-16-20-052815	05/28/2015 13:21	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-22A	SB-67-16-20-052815	05/28/2015 13:21	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-22A	SB-67-16-20-052815	05/28/2015 13:21	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-23A	DUP-04-052815	05/28/2015 00:00	05/30/2015	Soil	PMoist	/		Y			O3
P0990-23A	DUP-04-052815	05/28/2015 00:00	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-24A	SB-67-12-16-052815	05/28/2015 13:18	05/30/2015	Soil	PMoist	/					O3
P0990-24A	SB-67-12-16-052815	05/28/2015 13:18	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-24A	SB-67-12-16-052815	05/28/2015 13:18	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-24A	SB-67-12-16-052815	05/28/2015 13:18	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-24A	SB-67-12-16-052815	05/28/2015 13:18	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-24A	SB-67-12-16-052815	05/28/2015 13:18	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-25A	SB-67-8-12-052815	05/28/2015 13:13	05/30/2015	Soil	PMoist	/			Y		O3
P0990-25A	SB-67-8-12-052815	05/28/2015 13:13	05/30/2015	Soil	SW6010_S	/ TAL			Y	Y	O3
P0990-25A	SB-67-8-12-052815	05/28/2015 13:13	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--			Y		O3
P0990-25A	SB-67-8-12-052815	05/28/2015 13:13	05/30/2015	Soil	SW7471	/ TAL			Y		O3
P0990-25A	SB-67-8-12-052815	05/28/2015 13:13	05/30/2015	Soil	SW8270_S	/			Y	Y	O3
P0990-25A	SB-67-8-12-052815	05/28/2015 13:13	05/30/2015	Soil	SW9012_S	/ SPECTRUM--			Y		O3
P0990-26A	SB-67-4-8-052815	05/28/2015 13:06	05/30/2015	Soil	PMoist	/					O3
P0990-26A	SB-67-4-8-052815	05/28/2015 13:06	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-26A	SB-67-4-8-052815	05/28/2015 13:06	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-26A	SB-67-4-8-052815	05/28/2015 13:06	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-26A	SB-67-4-8-052815	05/28/2015 13:06	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-26A	SB-67-4-8-052815	05/28/2015 13:06	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-27A	DUP-03-052815	05/28/2015 00:00	05/30/2015	Soil	PMoist	/		Y			O3
P0990-27A	DUP-03-052815	05/28/2015 00:00	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-28A	SB-67-0-4-052815	05/28/2015 13:00	05/30/2015	Soil	PMoist	/					O3
P0990-28A	SB-67-0-4-052815	05/28/2015 13:00	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-28A	SB-67-0-4-052815	05/28/2015 13:00	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-28A	SB-67-0-4-052815	05/28/2015 13:00	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-28A	SB-67-0-4-052815	05/28/2015 13:00	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-28A	SB-67-0-4-052815	05/28/2015 13:00	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-29A	SB-64A-16-20-052815	05/28/2015 10:09	05/30/2015	Soil	PMoist	/					O3
P0990-29A	SB-64A-16-20-052815	05/28/2015 10:09	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-29A	SB-64A-16-20-052815	05/28/2015 10:09	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-29A	SB-64A-16-20-052815	05/28/2015 10:09	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-29A	SB-64A-16-20-052815	05/28/2015 10:09	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-29A	SB-64A-16-20-052815	05/28/2015 10:09	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-30A	SB-64A-12-16-052815	05/28/2015 10:04	05/30/2015	Soil	PMoist	/					O3
P0990-30A	SB-64A-12-16-052815	05/28/2015 10:04	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-30A	SB-64A-12-16-052815	05/28/2015 10:04	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-30A	SB-64A-12-16-052815	05/28/2015 10:04	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-30A	SB-64A-12-16-052815	05/28/2015 10:04	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-30A	SB-64A-12-16-052815	05/28/2015 10:04	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-31A	SB-64A-8-12-052815	05/28/2015 09:49	05/30/2015	Soil	PMoist	/					O3
P0990-31A	SB-64A-8-12-052815	05/28/2015 09:49	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-31A	SB-64A-8-12-052815	05/28/2015 09:49	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-31A	SB-64A-8-12-052815	05/28/2015 09:49	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-31A	SB-64A-8-12-052815	05/28/2015 09:49	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-31A	SB-64A-8-12-052815	05/28/2015 09:49	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-32A	SB-64A-4-8-052815	05/28/2015 09:42	05/30/2015	Soil	PMoist	/					O3
P0990-32A	SB-64A-4-8-052815	05/28/2015 09:42	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3

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HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-32A	SB-64A-4-8-052815	05/28/2015 09:42	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-32A	SB-64A-4-8-052815	05/28/2015 09:42	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-32A	SB-64A-4-8-052815	05/28/2015 09:42	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-32A	SB-64A-4-8-052815	05/28/2015 09:42	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-33A	SB-64A-0-4-052815	05/28/2015 09:32	05/30/2015	Soil	PMoist	/					O3
P0990-33A	SB-64A-0-4-052815	05/28/2015 09:32	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-33A	SB-64A-0-4-052815	05/28/2015 09:32	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-33A	SB-64A-0-4-052815	05/28/2015 09:32	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-33A	SB-64A-0-4-052815	05/28/2015 09:32	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-33A	SB-64A-0-4-052815	05/28/2015 09:32	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-34A	SB-64-0-4-052815	05/28/2015 09:03	05/30/2015	Soil	PMoist	/					O3
P0990-34A	SB-64-0-4-052815	05/28/2015 09:03	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-34A	SB-64-0-4-052815	05/28/2015 09:03	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-34A	SB-64-0-4-052815	05/28/2015 09:03	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-34A	SB-64-0-4-052815	05/28/2015 09:03	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-34A	SB-64-0-4-052815	05/28/2015 09:03	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-35A	SB-63-0-4-052815	05/28/2015 07:55	05/30/2015	Soil	PMoist	/					O3
P0990-35A	SB-63-0-4-052815	05/28/2015 07:55	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-35A	SB-63-0-4-052815	05/28/2015 07:55	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-35A	SB-63-0-4-052815	05/28/2015 07:55	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-35A	SB-63-0-4-052815	05/28/2015 07:55	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-35A	SB-63-0-4-052815	05/28/2015 07:55	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-36A	SB-63-4-8-052815	05/28/2015 08:01	05/30/2015	Soil	PMoist	/					O3
P0990-36A	SB-63-4-8-052815	05/28/2015 08:01	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3

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HT = Test logged in but has been placed on hold

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-36A	SB-63-4-8-052815	05/28/2015 08:01	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-36A	SB-63-4-8-052815	05/28/2015 08:01	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-36A	SB-63-4-8-052815	05/28/2015 08:01	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-36A	SB-63-4-8-052815	05/28/2015 08:01	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-37A	SB-63-8-12-052815	05/28/2015 08:04	05/30/2015	Soil	PMoist	/					O3
P0990-37A	SB-63-8-12-052815	05/28/2015 08:04	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-37A	SB-63-8-12-052815	05/28/2015 08:04	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-37A	SB-63-8-12-052815	05/28/2015 08:04	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-37A	SB-63-8-12-052815	05/28/2015 08:04	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-37A	SB-63-8-12-052815	05/28/2015 08:04	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-38A	SB-63-12-16-052815	05/28/2015 08:10	05/30/2015	Soil	PMoist	/					O3
P0990-38A	SB-63-12-16-052815	05/28/2015 08:10	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-38A	SB-63-12-16-052815	05/28/2015 08:10	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-38A	SB-63-12-16-052815	05/28/2015 08:10	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-38A	SB-63-12-16-052815	05/28/2015 08:10	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-38A	SB-63-12-16-052815	05/28/2015 08:10	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-39A	SB-63-16-20-052815	05/28/2015 08:26	05/30/2015	Soil	PMoist	/					O3
P0990-39A	SB-63-16-20-052815	05/28/2015 08:26	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-39A	SB-63-16-20-052815	05/28/2015 08:26	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-39A	SB-63-16-20-052815	05/28/2015 08:26	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-39A	SB-63-16-20-052815	05/28/2015 08:26	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-39A	SB-63-16-20-052815	05/28/2015 08:26	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-40A	SB-70-0-4-052915	05/29/2015 07:53	05/30/2015	Soil	PMoist	/					O3
P0990-40A	SB-70-0-4-052915	05/29/2015 07:53	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-40A	SB-70-0-4-052915	05/29/2015 07:53	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-40A	SB-70-0-4-052915	05/29/2015 07:53	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-40A	SB-70-0-4-052915	05/29/2015 07:53	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-40A	SB-70-0-4-052915	05/29/2015 07:53	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-41A	SB-70-4-8-052915	05/29/2015 07:59	05/30/2015	Soil	PMoist	/					O3
P0990-41A	SB-70-4-8-052915	05/29/2015 07:59	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-41A	SB-70-4-8-052915	05/29/2015 07:59	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-41A	SB-70-4-8-052915	05/29/2015 07:59	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-41A	SB-70-4-8-052915	05/29/2015 07:59	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-41A	SB-70-4-8-052915	05/29/2015 07:59	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-42A	SB-70-8-12-052915	05/29/2015 08:09	05/30/2015	Soil	PMoist	/		Y			O3
P0990-42A	SB-70-8-12-052915	05/29/2015 08:09	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-42A	SB-70-8-12-052915	05/29/2015 08:09	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-43A	SB-70-12-16-052915	05/29/2015 08:18	05/30/2015	Soil	PMoist	/					O3
P0990-43A	SB-70-12-16-052915	05/29/2015 08:18	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-43A	SB-70-12-16-052915	05/29/2015 08:18	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-43A	SB-70-12-16-052915	05/29/2015 08:18	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-43A	SB-70-12-16-052915	05/29/2015 08:18	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-43A	SB-70-12-16-052915	05/29/2015 08:18	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-44A	SB-70-16-20-052915	05/29/2015 08:27	05/30/2015	Soil	PMoist	/					O3
P0990-44A	SB-70-16-20-052915	05/29/2015 08:27	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-44A	SB-70-16-20-052915	05/29/2015 08:27	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-44A	SB-70-16-20-052915	05/29/2015 08:27	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-44A	SB-70-16-20-052915	05/29/2015 08:27	05/30/2015	Soil	SW8270_S	/				Y	O3

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-44A	SB-70-16-20-052915	05/29/2015 08:27	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-45A	SB-71-0-4-052915	05/29/2015 08:55	05/30/2015	Soil	PMoist	/					O3
P0990-45A	SB-71-0-4-052915	05/29/2015 08:55	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-45A	SB-71-0-4-052915	05/29/2015 08:55	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-45A	SB-71-0-4-052915	05/29/2015 08:55	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-45A	SB-71-0-4-052915	05/29/2015 08:55	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-45A	SB-71-0-4-052915	05/29/2015 08:55	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-46A	SB-DUP-06-052915	05/29/2015 00:00	05/30/2015	Soil	PMoist	/					O3
P0990-46A	SB-DUP-06-052915	05/29/2015 00:00	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-46A	SB-DUP-06-052915	05/29/2015 00:00	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-46A	SB-DUP-06-052915	05/29/2015 00:00	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-46A	SB-DUP-06-052915	05/29/2015 00:00	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-46A	SB-DUP-06-052915	05/29/2015 00:00	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-47A	SB-71-4-8-052915	05/29/2015 09:01	05/30/2015	Soil	PMoist	/					O3
P0990-47A	SB-71-4-8-052915	05/29/2015 09:01	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-47A	SB-71-4-8-052915	05/29/2015 09:01	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-47A	SB-71-4-8-052915	05/29/2015 09:01	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-47A	SB-71-4-8-052915	05/29/2015 09:01	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-47A	SB-71-4-8-052915	05/29/2015 09:01	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-48A	SB-DUP-07-052915	05/29/2015 00:00	05/30/2015	Soil	PMoist	/					O3
P0990-48A	SB-DUP-07-052915	05/29/2015 00:00	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-48A	SB-DUP-07-052915	05/29/2015 00:00	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-48A	SB-DUP-07-052915	05/29/2015 00:00	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-48A	SB-DUP-07-052915	05/29/2015 00:00	05/30/2015	Soil	SW8270_S	/				Y	O3

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-48A	SB-DUP-07-052915	05/29/2015 00:00	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-49A	SB-71-8-12-052915	05/29/2015 09:06	05/30/2015	Soil	PMoist	/					O3
P0990-49A	SB-71-8-12-052915	05/29/2015 09:06	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-49A	SB-71-8-12-052915	05/29/2015 09:06	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-49A	SB-71-8-12-052915	05/29/2015 09:06	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-49A	SB-71-8-12-052915	05/29/2015 09:06	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-49A	SB-71-8-12-052915	05/29/2015 09:06	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-50A	SB-71-12-16-052915	05/29/2015 09:16	05/30/2015	Soil	PMoist	/					O3
P0990-50A	SB-71-12-16-052915	05/29/2015 09:16	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-50A	SB-71-12-16-052915	05/29/2015 09:16	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-50A	SB-71-12-16-052915	05/29/2015 09:16	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-50A	SB-71-12-16-052915	05/29/2015 09:16	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-50A	SB-71-12-16-052915	05/29/2015 09:16	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-51A	SB-71-16-20-052915	05/29/2015 09:26	05/30/2015	Soil	PMoist	/					O3
P0990-51A	SB-71-16-20-052915	05/29/2015 09:26	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-51A	SB-71-16-20-052915	05/29/2015 09:26	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-51A	SB-71-16-20-052915	05/29/2015 09:26	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-51A	SB-71-16-20-052915	05/29/2015 09:26	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-51A	SB-71-16-20-052915	05/29/2015 09:26	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-52A	SB-72-0-4-052915	05/29/2015 10:06	05/30/2015	Soil	PMoist	/					O3
P0990-52A	SB-72-0-4-052915	05/29/2015 10:06	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-52A	SB-72-0-4-052915	05/29/2015 10:06	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-52A	SB-72-0-4-052915	05/29/2015 10:06	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-52A	SB-72-0-4-052915	05/29/2015 10:06	05/30/2015	Soil	SW8270_S	/				Y	O3

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-52A	SB-72-0-4-052915	05/29/2015 10:06	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-53A	SB-72-4-8-052915	05/29/2015 10:09	05/30/2015	Soil	PMoist	/					O3
P0990-53A	SB-72-4-8-052915	05/29/2015 10:09	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-53A	SB-72-4-8-052915	05/29/2015 10:09	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-53A	SB-72-4-8-052915	05/29/2015 10:09	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-53A	SB-72-4-8-052915	05/29/2015 10:09	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-53A	SB-72-4-8-052915	05/29/2015 10:09	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-54A	SB-72-8-12-052915	05/29/2015 10:13	05/30/2015	Soil	PMoist	/					O3
P0990-54A	SB-72-8-12-052915	05/29/2015 10:13	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-54A	SB-72-8-12-052915	05/29/2015 10:13	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-54A	SB-72-8-12-052915	05/29/2015 10:13	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-54A	SB-72-8-12-052915	05/29/2015 10:13	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-54A	SB-72-8-12-052915	05/29/2015 10:13	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-55A	SB-73-0-4-052915	05/29/2015 11:34	05/30/2015	Soil	PMoist	/					O3
P0990-55A	SB-73-0-4-052915	05/29/2015 11:34	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-55A	SB-73-0-4-052915	05/29/2015 11:34	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-55A	SB-73-0-4-052915	05/29/2015 11:34	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-55A	SB-73-0-4-052915	05/29/2015 11:34	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-55A	SB-73-0-4-052915	05/29/2015 11:34	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-56A	SB-73-4-8-052915	05/29/2015 11:40	05/30/2015	Soil	PMoist	/					O3
P0990-56A	SB-73-4-8-052915	05/29/2015 11:40	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-56A	SB-73-4-8-052915	05/29/2015 11:40	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-56A	SB-73-4-8-052915	05/29/2015 11:40	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-56A	SB-73-4-8-052915	05/29/2015 11:40	05/30/2015	Soil	SW8270_S	/				Y	O3

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Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0990

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
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Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0990-56A	SB-73-4-8-052915	05/29/2015 11:40	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3
P0990-57A	SB-73-8-12-052915	05/29/2015 11:47	05/30/2015	Soil	PMoist	/					O3
P0990-57A	SB-73-8-12-052915	05/29/2015 11:47	05/30/2015	Soil	SW6010_S	/ TAL				Y	O3
P0990-57A	SB-73-8-12-052915	05/29/2015 11:47	05/30/2015	Soil	SW7.3.3.2_S	/ SPECTRUM--					O3
P0990-57A	SB-73-8-12-052915	05/29/2015 11:47	05/30/2015	Soil	SW7471	/ TAL					O3
P0990-57A	SB-73-8-12-052915	05/29/2015 11:47	05/30/2015	Soil	SW8270_S	/				Y	O3
P0990-57A	SB-73-8-12-052915	05/29/2015 11:47	05/30/2015	Soil	SW9012_S	/ SPECTRUM--					O3

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* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: P0990

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3550B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S3
Instrument Type: GCMS-SEMI

Description: HP6890 / HP5973
Manufacturer: Hewlett-Packard
Model: 6890 / 5973
GC Column used: 30 m X 0.25 mm ID [0.25 um thickness] ZB-Semi capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

SB-69-12-16-052815 (P0990-04A), recovery is below criteria for 2,4,6-Tribromophenol at 31% with criteria of (35-125).

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on samples: SB-67-8-12-052815 (P0990-25AMS) and SB-67-8-12-052815 (P0990-25AMSD).

Percent recoveries were within the QC limits.

Replicate RPDs were within the advisory QC limits.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

The following samples were analyzed at dilution:

SB-69-4-8-052815 (P0990-02ADL) : Dilution Factor: 2
SB-64A-0-4-052815 (P0990-33ADL) : Dilution Factor: 5
SB-72-8-12-052915 (P0990-54ADL) : Dilution Factor: 2

G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

· M1 peak tailing or fronting
· M2 peak co-elution
· M3 rising or falling baseline
· M4 retention time shift
· M5 miscellaneous - under this category, the justification is explained
· M6 software did not integrate peak
· M7 partial peak integration

Manual integrations were performed on the following:

SB-69-0-4-052815 (P0990-01A) Benzo(k)fluoranthene due to M2

SB-69-4-8-052815 (P0990-02A) Benzo(k)fluoranthene due to M2

SB-69-4-8-052815 (P0990-02ADL) Benzo(k)fluoranthene due to M2

SB-69-8-12-052815 (P0990-03A) Benzo(k)fluoranthene due to M2

SB-68-12-16-052815 (P0990-08A) Benzo(k)fluoranthene due to M2

SB-68-8-12-052815 (P0990-09A) Benzo(k)fluoranthene due to M2

SB-68-4-8-052815 (P0990-10A) Benzo(b)fluoranthene , Benzo(k)fluoranthene due to M2

SB-68-4-8-052815 (P0990-10A) Dibenzo(a,h)anthracene due to M6

SB-66-0-4-052815 (P0990-11A) Benzo(k)fluoranthene due to M2

SB-66-4-8-052815 (P0990-12A) Benzo(k)fluoranthene due to M2

SB-65-4-8-052815 (P0990-19A) Benzo(k)fluoranthene due to M2

SB-65-0-4-052815 (P0990-20A) Benzo(k)fluoranthene due to M2

SB-68-0-4-052815 (P0990-21A) Benzo(k)fluoranthene due to M2

SB-67-4-8-052815 (P0990-26A) Benzo(k)fluoranthene due to M2

SB-67-0-4-052815 (P0990-28A) Benzo(b)fluoranthene , Benzo(k)fluoranthene due to M2

SB-64A-0-4-052815 (P0990-33A) Benzo(k)fluoranthene due to M2

SB-64A-0-4-052815 (P0990-33ADL) Benzo(k)fluoranthene due to M2

SB-64-0-4-052815 (P0990-34A) Benzo(k)fluoranthene due to M2

SB-63-0-4-052815 (P0990-35A) Benzo(k)fluoranthene due to M2

SB-63-4-8-052815 (P0990-36A) Benzo(k)fluoranthene due to M2

SB-63-8-12-052815 (P0990-37A) Benzo(b)fluoranthene , Benzo(k)fluoranthene due to M2

SB-63-8-12-052815 (P0990-37A) Dibenzo(a,h)anthracene due to M6

SB-70-0-4-052915 (P0990-40A) Benzo(k)fluoranthene due to M2

SB-70-4-8-052915 (P0990-41A) Benzo(k)fluoranthene due to M2

SB-71-0-4-052915 (P0990-45A) Benzo(k)fluoranthene due to M2

SB-DUP-06-052915 (P0990-46A) Benzo(k)fluoranthene due to M2

SB-71-4-8-052915 (P0990-47A) Benzo(k)fluoranthene due to M2

SB-DUP-07-052915 (P0990-48A) Benzo(k)fluoranthene due to M2

SB-71-8-12-052915 (P0990-49A) Benzo(k)fluoranthene due to M2

SB-72-0-4-052915 (P0990-52A) Benzo(k)fluoranthene due to M2

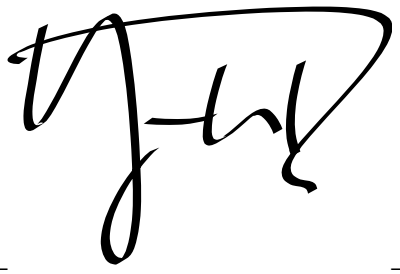
SB-72-4-8-052915 (P0990-53A) Benzo(k)fluoranthene due to M2

SB-72-8-12-052915 (P0990-54A) Benzo(k)fluoranthene due to M2

SB-72-8-12-052915 (P0990-54ADL) Benzo(k)fluoranthene due to M2

SB-73-0-4-052915 (P0990-55A) Benzo(k)fluoranthene due to M2

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____6/16/2015_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either

- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-69-0-4-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-01A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4065.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	110	J
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	190	J
86-73-7	Fluorene	130	J
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	880	
120-12-7	Anthracene	230	J
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1100	
56-55-3	Benzo(a)anthracene	800	
218-01-9	Chrysene	940	
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	490	
50-32-8	Benzo(a)pyrene	980	
193-39-5	Indeno(1,2,3-cd)pyrene	850	
53-70-3	Dibenzo(a,h)anthracene	210	J
191-24-2	Benzo(g,h,i)perylene	870	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-69-4-8-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-02A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4066.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 33 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	480	U
95-48-7	2-Methylphenol	480	U
106-44-5	4-Methylphenol	480	U
91-20-3	Naphthalene	8300	E
208-96-8	Acenaphthylene	260	J
83-32-9	Acenaphthene	3000	
86-73-7	Fluorene	2800	
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	4400	
120-12-7	Anthracene	830	
206-44-0	Fluoranthene	2300	
129-00-0	Pyrene	1800	
56-55-3	Benzo(a)anthracene	800	
218-01-9	Chrysene	1100	
205-99-2	Benzo(b)fluoranthene	1100	
207-08-9	Benzo(k)fluoranthene	460	J
50-32-8	Benzo(a)pyrene	760	
193-39-5	Indeno(1,2,3-cd)pyrene	590	
53-70-3	Dibenzo(a,h)anthracene	160	J
191-24-2	Benzo(g,h,i)perylene	570	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-69-4-8-052815 DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-02ADL

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4144.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 33 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/08/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	950	U
95-48-7	2-Methylphenol	950	U
106-44-5	4-Methylphenol	950	U
91-20-3	Naphthalene	8400	D
208-96-8	Acenaphthylene	250	DJ
83-32-9	Acenaphthene	3000	D
86-73-7	Fluorene	2800	D
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	4500	D
120-12-7	Anthracene	750	DJ
206-44-0	Fluoranthene	2200	D
129-00-0	Pyrene	1800	D
56-55-3	Benzo(a)anthracene	900	DJ
218-01-9	Chrysene	920	DJ
205-99-2	Benzo(b)fluoranthene	1100	D
207-08-9	Benzo(k)fluoranthene	430	DJ
50-32-8	Benzo(a)pyrene	720	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	540	DJ
53-70-3	Dibenzo(a,h)anthracene	950	U
191-24-2	Benzo(g,h,i)perylene	560	DJ

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-69-8-12-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-03A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4067.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 36 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	510	U
95-48-7	2-Methylphenol	510	U
106-44-5	4-Methylphenol	510	U
91-20-3	Naphthalene	470	J
208-96-8	Acenaphthylene	510	U
83-32-9	Acenaphthene	290	J
86-73-7	Fluorene	330	J
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	430	J
206-44-0	Fluoranthene	2300	
129-00-0	Pyrene	2000	
56-55-3	Benzo(a)anthracene	2100	
218-01-9	Chrysene	1900	
205-99-2	Benzo(b)fluoranthene	2500	
207-08-9	Benzo(k)fluoranthene	830	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenzo(a,h)anthracene	350	J
191-24-2	Benzo(g,h,i)perylene	1300	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-69-12-16-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-04A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4068.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-69-16-20-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-06A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4069.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 24 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
95-48-7	2-Methylphenol	430	U
106-44-5	4-Methylphenol	430	U
91-20-3	Naphthalene	430	U
208-96-8	Acenaphthylene	430	U
83-32-9	Acenaphthene	430	U
86-73-7	Fluorene	430	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-68-16-20-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-07A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4070.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	420	U
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-68-12-16-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-08A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4071.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 57 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	750	U
95-48-7	2-Methylphenol	750	U
106-44-5	4-Methylphenol	160	J
91-20-3	Naphthalene	220	J
208-96-8	Acenaphthylene	750	U
83-32-9	Acenaphthene	750	U
86-73-7	Fluorene	220	J
87-86-5	Pentachlorophenol	1500	U
85-01-8	Phenanthrene	840	
120-12-7	Anthracene	220	J
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1400	
56-55-3	Benzo(a)anthracene	910	
218-01-9	Chrysene	1300	
205-99-2	Benzo(b)fluoranthene	1500	
207-08-9	Benzo(k)fluoranthene	490	J
50-32-8	Benzo(a)pyrene	1000	
193-39-5	Indeno(1,2,3-cd)pyrene	760	
53-70-3	Dibenzo(a,h)anthracene	190	J
191-24-2	Benzo(g,h,i)perylene	790	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-68-8-12-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-09A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4072.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	220	J
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	270	J
86-73-7	Fluorene	170	J
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	810	
120-12-7	Anthracene	210	J
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1200	
56-55-3	Benzo(a)anthracene	810	
218-01-9	Chrysene	1000	
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	490	
50-32-8	Benzo(a)pyrene	1200	
193-39-5	Indeno(1,2,3-cd)pyrene	1100	
53-70-3	Dibenzo(a,h)anthracene	270	J
191-24-2	Benzo(g,h,i)perylene	1100	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-68-4-8-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-10A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4073.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 31 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	480	U
95-48-7	2-Methylphenol	480	U
106-44-5	4-Methylphenol	480	U
91-20-3	Naphthalene	350	J
208-96-8	Acenaphthylene	480	U
83-32-9	Acenaphthene	200	J
86-73-7	Fluorene	210	J
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	1100	
120-12-7	Anthracene	260	J
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1600	
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1200	
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	570	
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	1000	
53-70-3	Dibenzo(a,h)anthracene	200	J
191-24-2	Benzo(g,h,i)perylene	1000	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-66-0-4-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-11A

Sample wt/vol: 15.5 (g/mL) G Lab File ID: S3J4074.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	110	J
208-96-8	Acenaphthylene	85	J
83-32-9	Acenaphthene	150	J
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	650	
120-12-7	Anthracene	200	J
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	1200	
56-55-3	Benzo(a)anthracene	1100	
218-01-9	Chrysene	1200	
205-99-2	Benzo(b)fluoranthene	2300	
207-08-9	Benzo(k)fluoranthene	670	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenzo(a,h)anthracene	350	J
191-24-2	Benzo(g,h,i)perylene	1600	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-66-4-8-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-12A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4075.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
95-48-7	2-Methylphenol	440	U
106-44-5	4-Methylphenol	440	U
91-20-3	Naphthalene	210	J
208-96-8	Acenaphthylene	440	U
83-32-9	Acenaphthene	90	J
86-73-7	Fluorene	440	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	490	
120-12-7	Anthracene	120	J
206-44-0	Fluoranthene	820	
129-00-0	Pyrene	710	
56-55-3	Benzo(a)anthracene	610	
218-01-9	Chrysene	670	
205-99-2	Benzo(b)fluoranthene	980	
207-08-9	Benzo(k)fluoranthene	430	J
50-32-8	Benzo(a)pyrene	730	
193-39-5	Indeno(1,2,3-cd)pyrene	580	
53-70-3	Dibenzo(a,h)anthracene	150	J
191-24-2	Benzo(g,h,i)perylene	550	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-65-12-16-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-13A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4152.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-65-16-20-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-14A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4153.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-66-12-16-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-16A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4154.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	420	U
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-66-16-20-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-17A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4217.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
95-48-7	2-Methylphenol	430	U
106-44-5	4-Methylphenol	430	U
91-20-3	Naphthalene	430	U
208-96-8	Acenaphthylene	430	U
83-32-9	Acenaphthene	430	U
86-73-7	Fluorene	430	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-65-4-8-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-19A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4156.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 37 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	510	U
95-48-7	2-Methylphenol	510	U
106-44-5	4-Methylphenol	510	U
91-20-3	Naphthalene	510	U
208-96-8	Acenaphthylene	510	U
83-32-9	Acenaphthene	510	U
86-73-7	Fluorene	510	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	270	J
120-12-7	Anthracene	510	U
206-44-0	Fluoranthene	360	J
129-00-0	Pyrene	590	
56-55-3	Benzo(a)anthracene	450	J
218-01-9	Chrysene	830	
205-99-2	Benzo(b)fluoranthene	900	
207-08-9	Benzo(k)fluoranthene	280	J
50-32-8	Benzo(a)pyrene	730	
193-39-5	Indeno(1,2,3-cd)pyrene	650	
53-70-3	Dibenzo(a,h)anthracene	170	J
191-24-2	Benzo(g,h,i)perylene	690	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-65-0-4-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-20A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4157.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	130	J
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	710	
120-12-7	Anthracene	170	J
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	1300	
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1200	
205-99-2	Benzo(b)fluoranthene	1900	
207-08-9	Benzo(k)fluoranthene	780	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
53-70-3	Dibenzo(a,h)anthracene	270	J
191-24-2	Benzo(g,h,i)perylene	1500	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-68-0-4-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-21A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4158.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
95-48-7	2-Methylphenol	440	U
106-44-5	4-Methylphenol	440	U
91-20-3	Naphthalene	90	J
208-96-8	Acenaphthylene	440	U
83-32-9	Acenaphthene	440	U
86-73-7	Fluorene	440	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	270	J
120-12-7	Anthracene	100	J
206-44-0	Fluoranthene	820	
129-00-0	Pyrene	820	
56-55-3	Benzo(a)anthracene	570	
218-01-9	Chrysene	690	
205-99-2	Benzo(b)fluoranthene	950	
207-08-9	Benzo(k)fluoranthene	320	J
50-32-8	Benzo(a)pyrene	600	
193-39-5	Indeno(1,2,3-cd)pyrene	520	
53-70-3	Dibenzo(a,h)anthracene	120	J
191-24-2	Benzo(g,h,i)perylene	500	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-67-16-20-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-22A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4159.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-67-12-16-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-24A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4160.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
95-48-7	2-Methylphenol	430	U
106-44-5	4-Methylphenol	430	U
91-20-3	Naphthalene	430	U
208-96-8	Acenaphthylene	430	U
83-32-9	Acenaphthene	430	U
86-73-7	Fluorene	430	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenzo(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-67-8-12-05281 5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-25A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4161.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 40 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	530	U
95-48-7	2-Methylphenol	530	U
106-44-5	4-Methylphenol	530	U
91-20-3	Naphthalene	530	U
208-96-8	Acenaphthylene	530	U
83-32-9	Acenaphthene	530	U
86-73-7	Fluorene	530	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	530	U
120-12-7	Anthracene	530	U
206-44-0	Fluoranthene	530	U
129-00-0	Pyrene	530	U
56-55-3	Benzo(a)anthracene	530	U
218-01-9	Chrysene	530	U
205-99-2	Benzo(b)fluoranthene	530	U
207-08-9	Benzo(k)fluoranthene	530	U
50-32-8	Benzo(a)pyrene	530	U
193-39-5	Indeno(1,2,3-cd)pyrene	530	U
53-70-3	Dibenzo(a,h)anthracene	530	U
191-24-2	Benzo(g,h,i)perylene	530	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-67-4-8-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-26A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4164.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 30 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	460	U
95-48-7	2-Methylphenol	460	U
106-44-5	4-Methylphenol	460	U
91-20-3	Naphthalene	310	J
208-96-8	Acenaphthylene	460	U
83-32-9	Acenaphthene	130	J
86-73-7	Fluorene	98	J
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	420	J
120-12-7	Anthracene	99	J
206-44-0	Fluoranthene	430	J
129-00-0	Pyrene	430	J
56-55-3	Benzo(a)anthracene	330	J
218-01-9	Chrysene	390	J
205-99-2	Benzo(b)fluoranthene	600	
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	460	
193-39-5	Indeno(1,2,3-cd)pyrene	450	J
53-70-3	Dibenzo(a,h)anthracene	94	J
191-24-2	Benzo(g,h,i)perylene	470	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-67-0-4-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-28A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4165.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 36 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	520	U
95-48-7	2-Methylphenol	520	U
106-44-5	4-Methylphenol	520	U
91-20-3	Naphthalene	210	J
208-96-8	Acenaphthylene	520	U
83-32-9	Acenaphthene	150	J
86-73-7	Fluorene	160	J
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1000	
120-12-7	Anthracene	240	J
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	1000	
56-55-3	Benzo(a)anthracene	660	
218-01-9	Chrysene	860	
205-99-2	Benzo(b)fluoranthene	900	
207-08-9	Benzo(k)fluoranthene	390	J
50-32-8	Benzo(a)pyrene	640	
193-39-5	Indeno(1,2,3-cd)pyrene	510	J
53-70-3	Dibenzo(a,h)anthracene	140	J
191-24-2	Benzo(g,h,i)perylene	540	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-64A-16-20-052 815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-29A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4166.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-64A-12-16-052 815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-30A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4167.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-64A-8-12-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-31A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4168.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	500	U
95-48-7	2-Methylphenol	500	U
106-44-5	4-Methylphenol	500	U
91-20-3	Naphthalene	500	U
208-96-8	Acenaphthylene	500	U
83-32-9	Acenaphthene	500	U
86-73-7	Fluorene	500	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	500	U
120-12-7	Anthracene	500	U
206-44-0	Fluoranthene	500	U
129-00-0	Pyrene	500	U
56-55-3	Benzo(a)anthracene	500	U
218-01-9	Chrysene	500	U
205-99-2	Benzo(b)fluoranthene	500	U
207-08-9	Benzo(k)fluoranthene	500	U
50-32-8	Benzo(a)pyrene	500	U
193-39-5	Indeno(1,2,3-cd)pyrene	500	U
53-70-3	Dibenzo(a,h)anthracene	500	U
191-24-2	Benzo(g,h,i)perylene	500	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-64A-4-8-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-32A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4169.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	230	J
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	230	J
129-00-0	Pyrene	170	J
56-55-3	Benzo(a)anthracene	150	J
218-01-9	Chrysene	180	J
205-99-2	Benzo(b)fluoranthene	190	J
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	130	J
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-64A-0-4-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-33A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4278.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 26 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
95-48-7	2-Methylphenol	450	U
106-44-5	4-Methylphenol	450	U
91-20-3	Naphthalene	750	
208-96-8	Acenaphthylene	210	J
83-32-9	Acenaphthene	450	U
86-73-7	Fluorene	280	J
87-86-5	Pentachlorophenol	2700	
85-01-8	Phenanthrene	2300	
120-12-7	Anthracene	14000	E
206-44-0	Fluoranthene	1800	
129-00-0	Pyrene	1400	
56-55-3	Benzo(a)anthracene	1300	
218-01-9	Chrysene	1600	
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	630	
50-32-8	Benzo(a)pyrene	800	
193-39-5	Indeno(1,2,3-cd)pyrene	780	
53-70-3	Dibenzo(a,h)anthracene	220	J
191-24-2	Benzo(g,h,i)perylene	640	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-64A-0-4-05281 5DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-33ADL

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4305.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 26 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2200	U
95-48-7	2-Methylphenol	2200	U
106-44-5	4-Methylphenol	2200	U
91-20-3	Naphthalene	790	DJ
208-96-8	Acenaphthylene	2200	U
83-32-9	Acenaphthene	2200	U
86-73-7	Fluorene	2200	U
87-86-5	Pentachlorophenol	2700	DJ
85-01-8	Phenanthrene	2700	D
120-12-7	Anthracene	22000	D
206-44-0	Fluoranthene	2200	DJ
129-00-0	Pyrene	1600	DJ
56-55-3	Benzo(a)anthracene	1500	DJ
218-01-9	Chrysene	1900	DJ
205-99-2	Benzo(b)fluoranthene	1800	DJ
207-08-9	Benzo(k)fluoranthene	800	DJ
50-32-8	Benzo(a)pyrene	970	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	830	DJ
53-70-3	Dibenzo(a,h)anthracene	2200	U
191-24-2	Benzo(g,h,i)perylene	670	DJ

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-64-0-4-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-34A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4171.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	82	J
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	99	J
86-73-7	Fluorene	370	U
87-86-5	Pentachlorophenol	760	U
85-01-8	Phenanthrene	380	
120-12-7	Anthracene	120	J
206-44-0	Fluoranthene	650	
129-00-0	Pyrene	610	
56-55-3	Benzo(a)anthracene	610	
218-01-9	Chrysene	690	
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	510	
50-32-8	Benzo(a)pyrene	920	
193-39-5	Indeno(1,2,3-cd)pyrene	1000	
53-70-3	Dibenzo(a,h)anthracene	210	J
191-24-2	Benzo(g,h,i)perylene	1000	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-63-0-4-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-35A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4172.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 11 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	94	J
86-73-7	Fluorene	370	U
87-86-5	Pentachlorophenol	740	U
85-01-8	Phenanthrene	490	
120-12-7	Anthracene	130	J
206-44-0	Fluoranthene	820	
129-00-0	Pyrene	750	
56-55-3	Benzo(a)anthracene	570	
218-01-9	Chrysene	660	
205-99-2	Benzo(b)fluoranthene	990	
207-08-9	Benzo(k)fluoranthene	450	
50-32-8	Benzo(a)pyrene	720	
193-39-5	Indeno(1,2,3-cd)pyrene	670	
53-70-3	Dibenzo(a,h)anthracene	140	J
191-24-2	Benzo(g,h,i)perylene	630	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-63-4-8-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-36A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4173.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	92	J
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	390	J
120-12-7	Anthracene	120	J
206-44-0	Fluoranthene	890	
129-00-0	Pyrene	800	
56-55-3	Benzo(a)anthracene	670	
218-01-9	Chrysene	840	
205-99-2	Benzo(b)fluoranthene	1200	
207-08-9	Benzo(k)fluoranthene	530	
50-32-8	Benzo(a)pyrene	900	
193-39-5	Indeno(1,2,3-cd)pyrene	780	
53-70-3	Dibenzo(a,h)anthracene	170	J
191-24-2	Benzo(g,h,i)perylene	710	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-63-8-12-05281 5

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-37A

Sample wt/vol: 15.4 (g/mL) G Lab File ID: S3J4279.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 50 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	650	U
95-48-7	2-Methylphenol	650	U
106-44-5	4-Methylphenol	650	U
91-20-3	Naphthalene	480	J
208-96-8	Acenaphthylene	650	U
83-32-9	Acenaphthene	260	J
86-73-7	Fluorene	680	
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	2300	
120-12-7	Anthracene	550	J
206-44-0	Fluoranthene	2100	
129-00-0	Pyrene	2400	
56-55-3	Benzo(a)anthracene	1600	
218-01-9	Chrysene	1700	
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	550	J
50-32-8	Benzo(a)pyrene	1200	
193-39-5	Indeno(1,2,3-cd)pyrene	1100	
53-70-3	Dibenzo(a,h)anthracene	250	J
191-24-2	Benzo(g,h,i)perylene	1100	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-63-12-16-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-38A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4282.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 35 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	510	U
95-48-7	2-Methylphenol	510	U
106-44-5	4-Methylphenol	510	U
91-20-3	Naphthalene	510	U
208-96-8	Acenaphthylene	510	U
83-32-9	Acenaphthene	510	U
86-73-7	Fluorene	510	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	510	U
120-12-7	Anthracene	510	U
206-44-0	Fluoranthene	510	U
129-00-0	Pyrene	510	U
56-55-3	Benzo(a)anthracene	510	U
218-01-9	Chrysene	510	U
205-99-2	Benzo(b)fluoranthene	510	U
207-08-9	Benzo(k)fluoranthene	510	U
50-32-8	Benzo(a)pyrene	510	U
193-39-5	Indeno(1,2,3-cd)pyrene	510	U
53-70-3	Dibenzo(a,h)anthracene	510	U
191-24-2	Benzo(g,h,i)perylene	510	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-63-16-20-0528 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-39A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4283.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 21 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	420	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-70-0-4-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-40A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4284.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	150	J
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	150	J
86-73-7	Fluorene	130	J
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	390	J
120-12-7	Anthracene	91	J
206-44-0	Fluoranthene	430	
129-00-0	Pyrene	410	
56-55-3	Benzo(a)anthracene	310	J
218-01-9	Chrysene	380	J
205-99-2	Benzo(b)fluoranthene	590	
207-08-9	Benzo(k)fluoranthene	220	J
50-32-8	Benzo(a)pyrene	430	
193-39-5	Indeno(1,2,3-cd)pyrene	420	
53-70-3	Dibenzo(a,h)anthracene	97	J
191-24-2	Benzo(g,h,i)perylene	390	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-70-4-8-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-41A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4285.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 26 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
95-48-7	2-Methylphenol	440	U
106-44-5	4-Methylphenol	440	U
91-20-3	Naphthalene	230	J
208-96-8	Acenaphthylene	440	U
83-32-9	Acenaphthene	660	
86-73-7	Fluorene	200	J
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	1000	
120-12-7	Anthracene	340	J
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1400	
56-55-3	Benzo(a)anthracene	1300	
218-01-9	Chrysene	1400	
205-99-2	Benzo(b)fluoranthene	2200	
207-08-9	Benzo(k)fluoranthene	950	
50-32-8	Benzo(a)pyrene	2000	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenzo(a,h)anthracene	390	J
191-24-2	Benzo(g,h,i)perylene	1400	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-70-12-16-0529 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-43A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4286.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	420	U
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-70-16-20-0529 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-44A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4287.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-71-0-4-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-45A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4288.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	Naphthalene	270	J
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	550	
86-73-7	Fluorene	490	
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	3800	
120-12-7	Anthracene	1200	
206-44-0	Fluoranthene	3900	
129-00-0	Pyrene	3600	
56-55-3	Benzo(a)anthracene	2300	
218-01-9	Chrysene	2400	
205-99-2	Benzo(b)fluoranthene	2800	
207-08-9	Benzo(k)fluoranthene	940	
50-32-8	Benzo(a)pyrene	2100	
193-39-5	Indeno(1,2,3-cd)pyrene	1700	
53-70-3	Dibenzo(a,h)anthracene	410	
191-24-2	Benzo(g,h,i)perylene	1500	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-DUP-06-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-46A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4289.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	92	J
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	90	J
86-73-7	Fluorene	420	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	520	
120-12-7	Anthracene	140	J
206-44-0	Fluoranthene	840	
129-00-0	Pyrene	840	
56-55-3	Benzo(a)anthracene	620	
218-01-9	Chrysene	770	
205-99-2	Benzo(b)fluoranthene	1000	
207-08-9	Benzo(k)fluoranthene	470	
50-32-8	Benzo(a)pyrene	770	
193-39-5	Indeno(1,2,3-cd)pyrene	710	
53-70-3	Dibenzo(a,h)anthracene	170	J
191-24-2	Benzo(g,h,i)perylene	680	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-71-4-8-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-47A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4290.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
86-73-7	Fluorene	99	J
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	710	
120-12-7	Anthracene	150	J
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	1200	
56-55-3	Benzo(a)anthracene	980	
218-01-9	Chrysene	1400	
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	650	
50-32-8	Benzo(a)pyrene	1300	
193-39-5	Indeno(1,2,3-cd)pyrene	1200	
53-70-3	Dibenzo(a,h)anthracene	310	J
191-24-2	Benzo(g,h,i)perylene	1200	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-DUP-07-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-48A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4291.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	390	U
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	360	J
120-12-7	Anthracene	88	J
206-44-0	Fluoranthene	630	
129-00-0	Pyrene	650	
56-55-3	Benzo(a)anthracene	650	
218-01-9	Chrysene	760	
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	480	
50-32-8	Benzo(a)pyrene	860	
193-39-5	Indeno(1,2,3-cd)pyrene	790	
53-70-3	Dibenzo(a,h)anthracene	210	J
191-24-2	Benzo(g,h,i)perylene	780	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-71-8-12-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-49A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4292.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
208-96-8	Acenaphthylene	420	U
83-32-9	Acenaphthene	420	U
86-73-7	Fluorene	88	J
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	430	
120-12-7	Anthracene	93	J
206-44-0	Fluoranthene	360	J
129-00-0	Pyrene	340	J
56-55-3	Benzo(a)anthracene	200	J
218-01-9	Chrysene	280	J
205-99-2	Benzo(b)fluoranthene	320	J
207-08-9	Benzo(k)fluoranthene	74	J
50-32-8	Benzo(a)pyrene	140	J
193-39-5	Indeno(1,2,3-cd)pyrene	130	J
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	150	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-71-12-16-0529 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-50A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4293.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	410	U
86-73-7	Fluorene	410	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-71-16-20-0529 15

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-51A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4294.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-72-0-4-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-52A

Sample wt/vol: 15.2 (g/mL) G Lab File ID: S3J4295.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	110	J
208-96-8	Acenaphthylene	390	U
83-32-9	Acenaphthene	170	J
86-73-7	Fluorene	390	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	520	
120-12-7	Anthracene	150	J
206-44-0	Fluoranthene	740	
129-00-0	Pyrene	810	
56-55-3	Benzo(a)anthracene	710	
218-01-9	Chrysene	740	
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	460	
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	1000	
53-70-3	Dibenzo(a,h)anthracene	220	J
191-24-2	Benzo(g,h,i)perylene	1000	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-72-4-8-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-53A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4296.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
95-48-7	2-Methylphenol	440	U
106-44-5	4-Methylphenol	440	U
91-20-3	Naphthalene	130	J
208-96-8	Acenaphthylene	440	U
83-32-9	Acenaphthene	110	J
86-73-7	Fluorene	440	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	580	
120-12-7	Anthracene	160	J
206-44-0	Fluoranthene	900	
129-00-0	Pyrene	880	
56-55-3	Benzo(a)anthracene	690	
218-01-9	Chrysene	900	
205-99-2	Benzo(b)fluoranthene	1400	
207-08-9	Benzo(k)fluoranthene	430	J
50-32-8	Benzo(a)pyrene	940	
193-39-5	Indeno(1,2,3-cd)pyrene	840	
53-70-3	Dibenzo(a,h)anthracene	200	J
191-24-2	Benzo(g,h,i)perylene	830	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-72-8-12-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-54A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4334.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/12/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	95	J
208-96-8	Acenaphthylene	410	U
83-32-9	Acenaphthene	1000	
86-73-7	Fluorene	150	J
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	830	
120-12-7	Anthracene	220	J
206-44-0	Fluoranthene	2800	
129-00-0	Pyrene	2900	
56-55-3	Benzo(a)anthracene	3400	
218-01-9	Chrysene	4100	
205-99-2	Benzo(b)fluoranthene	7200	E
207-08-9	Benzo(k)fluoranthene	2300	
50-32-8	Benzo(a)pyrene	5200	
193-39-5	Indeno(1,2,3-cd)pyrene	4600	
53-70-3	Dibenzo(a,h)anthracene	1100	
191-24-2	Benzo(g,h,i)perylene	4600	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-72-8-12-05291 5DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-54ADL

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4337.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/12/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/15/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	810	U
95-48-7	2-Methylphenol	810	U
106-44-5	4-Methylphenol	810	U
91-20-3	Naphthalene	810	U
208-96-8	Acenaphthylene	810	U
83-32-9	Acenaphthene	1100	D
86-73-7	Fluorene	810	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	890	D
120-12-7	Anthracene	230	DJ
206-44-0	Fluoranthene	3100	D
129-00-0	Pyrene	3400	D
56-55-3	Benzo(a)anthracene	3800	D
218-01-9	Chrysene	4700	D
205-99-2	Benzo(b)fluoranthene	7400	D
207-08-9	Benzo(k)fluoranthene	3200	D
50-32-8	Benzo(a)pyrene	5800	D
193-39-5	Indeno(1,2,3-cd)pyrene	5100	D
53-70-3	Dibenzo(a,h)anthracene	1300	D
191-24-2	Benzo(g,h,i)perylene	4900	D

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-73-0-4-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-55A

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4298.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 12 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
86-73-7	Fluorene	370	U
87-86-5	Pentachlorophenol	750	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	370	U
206-44-0	Fluoranthene	190	J
129-00-0	Pyrene	190	J
56-55-3	Benzo(a)anthracene	190	J
218-01-9	Chrysene	230	J
205-99-2	Benzo(b)fluoranthene	440	
207-08-9	Benzo(k)fluoranthene	160	J
50-32-8	Benzo(a)pyrene	310	J
193-39-5	Indeno(1,2,3-cd)pyrene	330	J
53-70-3	Dibenzo(a,h)anthracene	87	J
191-24-2	Benzo(g,h,i)perylene	340	J

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-73-4-8-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-56A

Sample wt/vol: 15.1 (g/mL) G Lab File ID: S3J4299.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 44 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	590	U
95-48-7	2-Methylphenol	590	U
106-44-5	4-Methylphenol	590	U
91-20-3	Naphthalene	590	U
208-96-8	Acenaphthylene	590	U
83-32-9	Acenaphthene	590	U
86-73-7	Fluorene	590	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	590	U
206-44-0	Fluoranthene	180	J
129-00-0	Pyrene	160	J
56-55-3	Benzo(a)anthracene	130	J
218-01-9	Chrysene	170	J
205-99-2	Benzo(b)fluoranthene	190	J
207-08-9	Benzo(k)fluoranthene	590	U
50-32-8	Benzo(a)pyrene	590	U
193-39-5	Indeno(1,2,3-cd)pyrene	120	J
53-70-3	Dibenzo(a,h)anthracene	590	U
191-24-2	Benzo(g,h,i)perylene	590	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-73-8-12-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-57A

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4300.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
208-96-8	Acenaphthylene	400	U
83-32-9	Acenaphthene	400	U
86-73-7	Fluorene	400	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-82316

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-82316

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4052.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-82319

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-82319

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4150.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/08/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-82462

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-82462

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4272.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-82465

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-82465

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4275.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-82486

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-82486

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4331.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/12/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-82316

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-82316

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4053.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/04/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2800	
95-48-7	2-Methylphenol	2800	
106-44-5	4-Methylphenol	2800	
91-20-3	Naphthalene	2800	
208-96-8	Acenaphthylene	2800	
83-32-9	Acenaphthene	2800	
86-73-7	Fluorene	2700	
87-86-5	Pentachlorophenol	2400	
85-01-8	Phenanthrene	2800	
120-12-7	Anthracene	2700	
206-44-0	Fluoranthene	2600	
129-00-0	Pyrene	2700	
56-55-3	Benzo(a)anthracene	2800	
218-01-9	Chrysene	2800	
205-99-2	Benzo(b)fluoranthene	2800	
207-08-9	Benzo(k)fluoranthene	2600	
50-32-8	Benzo(a)pyrene	2700	
193-39-5	Indeno(1,2,3-cd)pyrene	2900	
53-70-3	Dibenzo(a,h)anthracene	2800	
191-24-2	Benzo(g,h,i)perylene	2900	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-82319

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-82319

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4151.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2800	
95-48-7	2-Methylphenol	2800	
106-44-5	4-Methylphenol	2900	
91-20-3	Naphthalene	2700	
208-96-8	Acenaphthylene	2800	
83-32-9	Acenaphthene	2800	
86-73-7	Fluorene	2700	
87-86-5	Pentachlorophenol	2500	
85-01-8	Phenanthrene	2900	
120-12-7	Anthracene	2800	
206-44-0	Fluoranthene	2600	
129-00-0	Pyrene	3000	
56-55-3	Benzo(a)anthracene	3000	
218-01-9	Chrysene	2800	
205-99-2	Benzo(b)fluoranthene	2900	
207-08-9	Benzo(k)fluoranthene	2800	
50-32-8	Benzo(a)pyrene	2800	
193-39-5	Indeno(1,2,3-cd)pyrene	3000	
53-70-3	Dibenzo(a,h)anthracene	2900	
191-24-2	Benzo(g,h,i)perylene	3000	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-82462

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-82462

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4273.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2600	
95-48-7	2-Methylphenol	2500	
106-44-5	4-Methylphenol	2600	
91-20-3	Naphthalene	2600	
208-96-8	Acenaphthylene	2500	
83-32-9	Acenaphthene	2600	
86-73-7	Fluorene	2500	
87-86-5	Pentachlorophenol	2400	
85-01-8	Phenanthrene	2700	
120-12-7	Anthracene	2500	
206-44-0	Fluoranthene	2400	
129-00-0	Pyrene	2800	
56-55-3	Benzo(a)anthracene	2800	
218-01-9	Chrysene	2700	
205-99-2	Benzo(b)fluoranthene	2600	
207-08-9	Benzo(k)fluoranthene	2800	
50-32-8	Benzo(a)pyrene	2600	
193-39-5	Indeno(1,2,3-cd)pyrene	2900	
53-70-3	Dibenzo(a,h)anthracene	2700	
191-24-2	Benzo(g,h,i)perylene	2800	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-82465

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-82465

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4276.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2700	
95-48-7	2-Methylphenol	2600	
106-44-5	4-Methylphenol	2700	
91-20-3	Naphthalene	2700	
208-96-8	Acenaphthylene	2600	
83-32-9	Acenaphthene	2700	
86-73-7	Fluorene	2600	
87-86-5	Pentachlorophenol	2500	
85-01-8	Phenanthrene	2800	
120-12-7	Anthracene	2600	
206-44-0	Fluoranthene	2500	
129-00-0	Pyrene	2800	
56-55-3	Benzo(a)anthracene	2800	
218-01-9	Chrysene	2800	
205-99-2	Benzo(b)fluoranthene	2700	
207-08-9	Benzo(k)fluoranthene	2800	
50-32-8	Benzo(a)pyrene	2700	
193-39-5	Indeno(1,2,3-cd)pyrene	2900	
53-70-3	Dibenzo(a,h)anthracene	2800	
191-24-2	Benzo(g,h,i)perylene	2900	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-82486

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-82486

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4332.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/12/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2600	
95-48-7	2-Methylphenol	2600	
106-44-5	4-Methylphenol	2700	
91-20-3	Naphthalene	2500	
208-96-8	Acenaphthylene	2500	
83-32-9	Acenaphthene	2600	
86-73-7	Fluorene	2500	
87-86-5	Pentachlorophenol	2400	
85-01-8	Phenanthrene	2600	
120-12-7	Anthracene	2600	
206-44-0	Fluoranthene	2400	
129-00-0	Pyrene	2700	
56-55-3	Benzo(a)anthracene	2700	
218-01-9	Chrysene	2600	
205-99-2	Benzo(b)fluoranthene	2600	
207-08-9	Benzo(k)fluoranthene	2500	
50-32-8	Benzo(a)pyrene	2500	
193-39-5	Indeno(1,2,3-cd)pyrene	2800	
53-70-3	Dibenzo(a,h)anthracene	2700	
191-24-2	Benzo(g,h,i)perylene	2800	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-82462

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-82462

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4274.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2700	
95-48-7	2-Methylphenol	2600	
106-44-5	4-Methylphenol	2700	
91-20-3	Naphthalene	2600	
208-96-8	Acenaphthylene	2600	
83-32-9	Acenaphthene	2600	
86-73-7	Fluorene	2600	
87-86-5	Pentachlorophenol	2500	
85-01-8	Phenanthrene	2700	
120-12-7	Anthracene	2600	
206-44-0	Fluoranthene	2600	
129-00-0	Pyrene	2800	
56-55-3	Benzo(a)anthracene	2900	
218-01-9	Chrysene	2800	
205-99-2	Benzo(b)fluoranthene	2700	
207-08-9	Benzo(k)fluoranthene	2800	
50-32-8	Benzo(a)pyrene	2700	
193-39-5	Indeno(1,2,3-cd)pyrene	3100	
53-70-3	Dibenzo(a,h)anthracene	2800	
191-24-2	Benzo(g,h,i)perylene	2900	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-82465

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-82465

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4277.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/10/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2600	
95-48-7	2-Methylphenol	2500	
106-44-5	4-Methylphenol	2600	
91-20-3	Naphthalene	2600	
208-96-8	Acenaphthylene	2600	
83-32-9	Acenaphthene	2600	
86-73-7	Fluorene	2600	
87-86-5	Pentachlorophenol	2300	
85-01-8	Phenanthrene	2700	
120-12-7	Anthracene	2600	
206-44-0	Fluoranthene	2500	
129-00-0	Pyrene	2800	
56-55-3	Benzo(a)anthracene	2900	
218-01-9	Chrysene	2800	
205-99-2	Benzo(b)fluoranthene	2700	
207-08-9	Benzo(k)fluoranthene	2700	
50-32-8	Benzo(a)pyrene	2700	
193-39-5	Indeno(1,2,3-cd)pyrene	2900	
53-70-3	Dibenzo(a,h)anthracene	2800	
191-24-2	Benzo(g,h,i)perylene	2900	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-82486

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-82486

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4333.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/12/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2900	
95-48-7	2-Methylphenol	2800	
106-44-5	4-Methylphenol	2900	
91-20-3	Naphthalene	2800	
208-96-8	Acenaphthylene	2800	
83-32-9	Acenaphthene	2800	
86-73-7	Fluorene	2700	
87-86-5	Pentachlorophenol	2500	
85-01-8	Phenanthrene	2800	
120-12-7	Anthracene	2700	
206-44-0	Fluoranthene	2500	
129-00-0	Pyrene	3000	
56-55-3	Benzo(a)anthracene	3000	
218-01-9	Chrysene	2900	
205-99-2	Benzo(b)fluoranthene	2700	
207-08-9	Benzo(k)fluoranthene	2800	
50-32-8	Benzo(a)pyrene	2800	
193-39-5	Indeno(1,2,3-cd)pyrene	3100	
53-70-3	Dibenzo(a,h)anthracene	3000	
191-24-2	Benzo(g,h,i)perylene	3100	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-67-8-12-05281 5MS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-25AMS

Sample wt/vol: 15.0 (g/mL) G Lab File ID: S3J4162.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 40 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3700	
95-48-7	2-Methylphenol	3800	
106-44-5	4-Methylphenol	4100	
91-20-3	Naphthalene	3600	
208-96-8	Acenaphthylene	4000	
83-32-9	Acenaphthene	4000	
86-73-7	Fluorene	4100	
87-86-5	Pentachlorophenol	4500	
85-01-8	Phenanthrene	4300	
120-12-7	Anthracene	4100	
206-44-0	Fluoranthene	4000	
129-00-0	Pyrene	4100	
56-55-3	Benzo(a)anthracene	4400	
218-01-9	Chrysene	4300	
205-99-2	Benzo(b)fluoranthene	4300	
207-08-9	Benzo(k)fluoranthene	4000	
50-32-8	Benzo(a)pyrene	4100	
193-39-5	Indeno(1,2,3-cd)pyrene	4200	
53-70-3	Dibenzo(a,h)anthracene	4100	
191-24-2	Benzo(g,h,i)perylene	4100	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-67-8-12-05281 5MSD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: P0990-25AMSD

Sample wt/vol: 15.3 (g/mL) G Lab File ID: S3J4163.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 40 Decanted: (Y/N) N Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3200	
95-48-7	2-Methylphenol	3100	
106-44-5	4-Methylphenol	3300	
91-20-3	Naphthalene	3100	
208-96-8	Acenaphthylene	3200	
83-32-9	Acenaphthene	3300	
86-73-7	Fluorene	3300	
87-86-5	Pentachlorophenol	3400	
85-01-8	Phenanthrene	3400	
120-12-7	Anthracene	3200	
206-44-0	Fluoranthene	3200	
129-00-0	Pyrene	3400	
56-55-3	Benzo(a)anthracene	3500	
218-01-9	Chrysene	3500	
205-99-2	Benzo(b)fluoranthene	3500	
207-08-9	Benzo(k)fluoranthene	3100	
50-32-8	Benzo(a)pyrene	3300	
193-39-5	Indeno(1,2,3-cd)pyrene	3500	
53-70-3	Dibenzo(a,h)anthracene	3300	
191-24-2	Benzo(g,h,i)perylene	3300	

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-82316	72	72	72	72	81	69			0
02	LCS-82316	91	89	85	88	98	90			0
03	SB-69-0-4-052815	54	60	56	53	59	52			0
04	SB-69-4-8-052815	56	62	53	57	62	61			0
05	SB-69-8-12-052815	57	64	53	58	62	69			0
06	SB-69-12-16-052815	61	66	63	57	46	31 *			1
07	SB-69-16-20-052815	65	71	64	61	54	37			0
08	SB-68-16-20-052815	67	71	65	68	75	72			0
09	SB-68-12-16-052815	50	58	55	52	54	58			0
10	SB-68-8-12-052815	58	67	68	58	61	68			0
11	SB-68-4-8-052815	61	66	63	60	66	58			0
12	SB-66-0-4-052815	71	77	71	74	80	78			0
13	SB-66-4-8-052815	62	70	65	66	69	72			0
14	SB-69-4-8-052815DL	57	62	52	56	61	55			0
15	MB-82319	83	82	88	82	89	83			0
16	LCS-82319	92	89	93	90	101	92			0
17	SB-65-12-16-052815	75	78	76	75	80	75			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
18	SB-65-16-20-052815	78	79	80	75	80	70			0
19	SB-66-12-16-052815	56	63	70	59	62	73			0
20	SB-65-4-8-052815	71	78	69	71	76	75			0
21	SB-65-0-4-052815	73	77	73	71	78	75			0
22	SB-68-0-4-052815	70	77	65	65	69	62			0
23	SB-67-16-20-052815	74	78	76	69	63	53			0
24	SB-67-12-16-052815	77	80	76	71	66	50			0
25	SB-67-8-12-052815	68	72	69	68	75	77			0
26	SB-67-8-12-052815MS	70	74	75	71	75	82			0
27	SB-67-8-12-052815MSD	63	64	61	62	67	68			0
28	SB-67-4-8-052815	69	75	66	70	76	71			0
29	SB-67-0-4-052815	73	77	66	70	78	71			0
30	SB-64A-16-20-052815	66	69	66	62	63	50			0
31	SB-64A-12-16-052815	73	75	71	67	64	47			0
32	SB-64A-8-12-052815	63	66	62	64	69	71			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
33	SB-64A-4-8-052815	54	55	51	53	57	55			0
34	SB-64-0-4-052815	61	65	60	60	66	71			0
35	SB-63-0-4-052815	63	69	65	61	66	69			0
36	SB-63-4-8-052815	66	71	64	63	70	66			0
37	SB-66-16-20-052815	74	76	72	70	74	71			0
38	MB-82462	78	78	76	70	75	58			0
39	LCS-82462	89	82	85	82	94	85			0
40	LCSD-82462	91	82	88	83	94	87			0
41	MB-82465	90	86	84	80	88	65			0
42	LCS-82465	94	85	89	86	99	87			0
43	LCSD-82465	90	83	87	81	92	84			0
44	SB-64A-0-4-052815	54	65	64	54	56	70			0
45	SB-63-8-12-052815	75	81	73	68	76	75			0
46	SB-63-12-16-052815	68	69	66	63	72	68			0
47	SB-63-16-20-052815	76	75	71	69	78	72			0
48	SB-70-0-4-052915	59	63	61	56	62	65			0
49	SB-70-4-8-052915	70	74	70	67	73	76			0
50	SB-70-12-16-052915	72	72	70	65	74	70			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
51	SB-70-16-20-052915	72	71	68	66	76	69			0
52	SB-71-0-4-052915	79	78	78	70	80	80			0
53	SB-DUP-06-052915	76	78	76	70	78	81			0
54	SB-71-4-8-052915	76	76	66	68	78	72			0
55	SB-DUP-07-052915	74	73	67	67	77	71			0
56	SB-71-8-12-052915	64	66	56	58	67	61			0
57	SB-71-12-16-052915	85	84	78	76	85	78			0
58	SB-71-16-20-052915	70	71	70	64	73	72			0
59	SB-72-0-4-052915	85	85	79	76	87	82			0
60	SB-72-4-8-052915	83	85	80	75	85	93			0
61	SB-73-0-4-052915	73	82	78	67	75	90			0
62	SB-73-4-8-052915	81	78	66	72	84	77			0
63	SB-73-8-12-052915	80	80	81	75	84	87			0
64	SB-64A-0-4-052815DL	57	71	73	58	61	80			0
65	MB-82486	99	95	93	88	92	79			0
66	LCS-82486	87	83	85	82	92	83			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(35-100)
SDMC2	(FBP) = 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH) = Terphenyl-d14	(30-125)
SDMC4	(PHL) = Phenol-d5	(40-100)
SDMC5	(2FP) = 2-Fluorophenol	(35-105)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Level: (LOW/MED) LOW

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
67	LCSD-82486	98	90	93	90	101	89			0
68	SB-72-8-12-052915	78	81	76	75	82	77			0
69	SB-72-8-12-052915DL	84	89	88	79	88	83			0

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(35-100)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(45-105)
SDMC3	(TPH)	= Terphenyl-d14	(30-125)
SDMC4	(PHL)	= Phenol-d5	(40-100)
SDMC5	(2FP)	= 2-Fluorophenol	(35-105)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(35-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix Spike - EPA Sample No.: SB-67-8-12-052815

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS %REC	#	QC. LIMITS REC.
Phenol	5509.2531	0.0000	3735.3776	68		40-100
2-Methylphenol	5509.2531	0.0000	3774.7472	69		40-105
4-Methylphenol	5509.2531	0.0000	4050.2014	74		40-105
Naphthalene	5509.2531	0.0000	3592.3263	65		40-105
Acenaphthylene	5509.2531	0.0000	4000.7204	73		45-105
Acenaphthene	5509.2531	0.0000	3987.0741	72		45-110
Fluorene	5509.2531	0.0000	4079.3140	74		50-110
Pentachlorophenol	5509.2531	0.0000	4517.9636	82		25-120
Phenanthrene	5509.2531	0.0000	4318.5598	78		50-110
Anthracene	5509.2531	0.0000	4088.3158	74		55-105
Fluoranthene	5509.2531	0.0000	4019.1759	73		55-115
Pyrene	5509.2531	0.0000	4075.2780	74		45-125
Benzo(a)anthracene	5509.2531	0.0000	4402.6968	80		50-110
Chrysene	5509.2531	0.0000	4271.6449	78		55-110
Benzo(b)fluoranthene	5509.2531	0.0000	4265.9461	77		45-115
Benzo(k)fluoranthene	5509.2531	0.0000	3995.9069	73		45-125
Benzo(a)pyrene	5509.2531	0.0000	4077.4275	74		50-110
Indeno(1,2,3-cd)pyrene	5509.2531	0.0000	4210.6118	76		40-120
Dibenzo(a,h)anthracene	5509.2531	0.0000	4083.7983	74		40-125
Benzo(g,h,i)perylene	5509.2531	0.0000	4055.3073	74		40-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	5401.2286	3191.7946	59		14		0-40	40-100
2-Methylphenol	5401.2286	3149.5172	58		16		0-40	40-105
4-Methylphenol	5401.2286	3269.9888	61		19		0-40	40-105
Naphthalene	5401.2286	3140.4103	58		11		0-40	40-105
Acenaphthylene	5401.2286	3247.9048	60		19		0-40	45-105
Acenaphthene	5401.2286	3291.6490	61		17		0-40	45-110
Fluorene	5401.2286	3250.1248	60		21		0-40	50-110
Pentachlorophenol	5401.2286	3404.2832	63		26		0-40	25-120
Phenanthrene	5401.2286	3442.7742	64		21		0-40	50-110
Anthracene	5401.2286	3237.3643	60		21		0-40	55-105
Fluoranthene	5401.2286	3214.5742	60		20		0-40	55-115
Pyrene	5401.2286	3418.2811	63		16		0-40	45-125
Benzo(a)anthracene	5401.2286	3512.8112	65		21		0-40	50-110
Chrysene	5401.2286	3452.0448	64		19		0-40	55-110
Benzo(b)fluoranthene	5401.2286	3486.4006	65		18		0-40	45-115
Benzo(k)fluoranthene	5401.2286	3125.4421	58		22		0-40	45-125
Benzo(a)pyrene	5401.2286	3260.8959	60		20		0-40	50-110
Indeno(1,2,3-cd)pyrene	5401.2286	3511.6617	65		16		0-40	40-120
Dibenzo(a,h)anthracene	5401.2286	3260.8024	60		20		0-40	40-125
Benzo(g,h,i)perylene	5401.2286	3262.6830	60		20		0-40	40-125

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Matrix Spike - EPA Sample No.: SB-67-8-12-052815

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-82316

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab Sample ID: LCS-82316 LCS Lot No.: A0104828

Date Extracted: 06/01/2015 Date Analyzed (1): 06/04/2015

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2793.5013	84		40 - 100
2-Methylphenol	3333.0000	0.0000	2760.1420	83		40 - 105
4-Methylphenol	3333.0000	0.0000	2829.8367	85		40 - 105
Naphthalene	3333.0000	0.0000	2757.7679	83		40 - 105
Acenaphthylene	3333.0000	0.0000	2773.8969	83		45 - 105
Acenaphthene	3333.0000	0.0000	2802.7484	84		45 - 110
Fluorene	3333.0000	0.0000	2720.6324	82		50 - 110
Pentachlorophenol	3333.0000	0.0000	2424.5081	73		25 - 120
Phenanthrene	3333.0000	0.0000	2832.4618	85		50 - 110
Anthracene	3333.0000	0.0000	2717.8468	82		55 - 105
Fluoranthene	3333.0000	0.0000	2585.0197	78		55 - 115
Pyrene	3333.0000	0.0000	2720.7035	82		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2846.2761	85		50 - 110
Chrysene	3333.0000	0.0000	2792.1169	84		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2783.6085	84		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2641.6777	79		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2690.9410	81		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	2876.8024	86		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2846.5703	85		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	2907.5783	87		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-82319

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab Sample ID: LCS-82319 LCS Lot No.: A0104828

Date Extracted: 06/02/2015 Date Analyzed (1): 06/09/2015

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2837.4193	85		40 - 100
2-Methylphenol	3333.0000	0.0000	2801.0283	84		40 - 105
4-Methylphenol	3333.0000	0.0000	2867.0113	86		40 - 105
Naphthalene	3333.0000	0.0000	2721.1342	82		40 - 105
Acenaphthylene	3333.0000	0.0000	2790.0072	84		45 - 105
Acenaphthene	3333.0000	0.0000	2750.0178	83		45 - 110
Fluorene	3333.0000	0.0000	2718.0030	82		50 - 110
Pentachlorophenol	3333.0000	0.0000	2521.1064	76		25 - 120
Phenanthrene	3333.0000	0.0000	2857.5071	86		50 - 110
Anthracene	3333.0000	0.0000	2773.5315	83		55 - 105
Fluoranthene	3333.0000	0.0000	2591.4231	78		55 - 115
Pyrene	3333.0000	0.0000	2992.9735	90		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2989.5668	90		50 - 110
Chrysene	3333.0000	0.0000	2833.4301	85		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2855.8158	86		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2815.1291	84		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2838.8529	85		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	3015.7565	90		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2879.0973	86		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	3001.0645	90		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-82462

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab Sample ID: LCS-82462 LCS Lot No.: A0107675

Date Extracted: 06/10/2015 Date Analyzed (1): 06/11/2015

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2578.0633	77		40 - 100
2-Methylphenol	3333.0000	0.0000	2476.9580	74		40 - 105
4-Methylphenol	3333.0000	0.0000	2605.4029	78		40 - 105
Naphthalene	3333.0000	0.0000	2577.3135	77		40 - 105
Acenaphthylene	3333.0000	0.0000	2536.6305	76		45 - 105
Acenaphthene	3333.0000	0.0000	2569.0508	77		45 - 110
Fluorene	3333.0000	0.0000	2529.1531	76		50 - 110
Pentachlorophenol	3333.0000	0.0000	2402.1910	72		25 - 120
Phenanthrene	3333.0000	0.0000	2656.3142	80		50 - 110
Anthracene	3333.0000	0.0000	2530.5771	76		55 - 105
Fluoranthene	3333.0000	0.0000	2408.4127	72		55 - 115
Pyrene	3333.0000	0.0000	2757.0742	83		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2763.1477	83		50 - 110
Chrysene	3333.0000	0.0000	2732.1439	82		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2577.9003	77		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2792.2797	84		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2616.3627	78		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	2852.3500	86		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2707.2168	81		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	2800.7969	84		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-82465

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab Sample ID: LCS-82465 LCS Lot No.: A0107675

Date Extracted: 06/10/2015 Date Analyzed (1): 06/11/2015

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2704.5900	81		40 - 100
2-Methylphenol	3333.0000	0.0000	2630.5950	79		40 - 105
4-Methylphenol	3333.0000	0.0000	2747.1444	82		40 - 105
Naphthalene	3333.0000	0.0000	2699.2159	81		40 - 105
Acenaphthylene	3333.0000	0.0000	2616.0497	78		45 - 105
Acenaphthene	3333.0000	0.0000	2662.8223	80		45 - 110
Fluorene	3333.0000	0.0000	2635.8966	79		50 - 110
Pentachlorophenol	3333.0000	0.0000	2500.3384	75		25 - 120
Phenanthrene	3333.0000	0.0000	2763.3735	83		50 - 110
Anthracene	3333.0000	0.0000	2641.1269	79		55 - 105
Fluoranthene	3333.0000	0.0000	2501.3933	75		55 - 115
Pyrene	3333.0000	0.0000	2836.2413	85		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2836.1628	85		50 - 110
Chrysene	3333.0000	0.0000	2826.1866	85		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2701.0699	81		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2813.9806	84		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2728.1645	82		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	2934.8412	88		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2836.9951	85		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	2908.6287	87		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-82486

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab Sample ID: LCS-82486 LCS Lot No.: A0107675

Date Extracted: 06/12/2015 Date Analyzed (1): 06/12/2015

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	3333.0000	0.0000	2619.4966	79		40 - 100
2-Methylphenol	3333.0000	0.0000	2582.5500	77		40 - 105
4-Methylphenol	3333.0000	0.0000	2709.4498	81		40 - 105
Naphthalene	3333.0000	0.0000	2543.3107	76		40 - 105
Acenaphthylene	3333.0000	0.0000	2533.1439	76		45 - 105
Acenaphthene	3333.0000	0.0000	2577.1341	77		45 - 110
Fluorene	3333.0000	0.0000	2520.3415	76		50 - 110
Pentachlorophenol	3333.0000	0.0000	2430.1261	73		25 - 120
Phenanthrene	3333.0000	0.0000	2634.1249	79		50 - 110
Anthracene	3333.0000	0.0000	2558.2310	77		55 - 105
Fluoranthene	3333.0000	0.0000	2362.9012	71		55 - 115
Pyrene	3333.0000	0.0000	2745.3650	82		45 - 125
Benzo(a)anthracene	3333.0000	0.0000	2650.8579	80		50 - 110
Chrysene	3333.0000	0.0000	2597.0595	78		55 - 110
Benzo(b)fluoranthene	3333.0000	0.0000	2616.7399	79		45 - 115
Benzo(k)fluoranthene	3333.0000	0.0000	2492.0679	75		45 - 125
Benzo(a)pyrene	3333.0000	0.0000	2531.3085	76		50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	0.0000	2825.4681	85		40 - 120
Dibenzo(a,h)anthracene	3333.0000	0.0000	2695.9523	81		40 - 125
Benzo(g,h,i)perylene	3333.0000	0.0000	2785.6313	84		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.
LCSD-82462

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab Sample ID: LCSD-82462 LCS Lot No.: A0107675

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	3333.0000	2666.8440	80		4		40	40 - 100
2-Methylphenol	3333.0000	2607.5376	78		5		40	40 - 105
4-Methylphenol	3333.0000	2723.8715	82		5		40	40 - 105
Naphthalene	3333.0000	2615.8095	78		1		40	40 - 105
Acenaphthylene	3333.0000	2564.2890	77		1		40	45 - 105
Acenaphthene	3333.0000	2614.5092	78		1		40	45 - 110
Fluorene	3333.0000	2612.9824	78		3		40	50 - 110
Pentachlorophenol	3333.0000	2537.8655	76		5		40	25 - 120
Phenanthrene	3333.0000	2745.3246	82		2		40	50 - 110
Anthracene	3333.0000	2617.7849	79		4		40	55 - 105
Fluoranthene	3333.0000	2564.5358	77		7		40	55 - 115
Pyrene	3333.0000	2849.1406	85		2		40	45 - 125
Benzo(a)anthracene	3333.0000	2882.7963	86		4		40	50 - 110
Chrysene	3333.0000	2812.9867	84		2		40	55 - 110
Benzo(b)fluoranthene	3333.0000	2699.3050	81		5		40	45 - 115
Benzo(k)fluoranthene	3333.0000	2835.4833	85		1		40	45 - 125
Benzo(a)pyrene	3333.0000	2720.0434	82		5		40	50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	3058.4105	92		7		40	40 - 120
Dibenzo(a,h)anthracene	3333.0000	2829.2248	85		5		40	40 - 125
Benzo(g,h,i)perylene	3333.0000	2929.8592	88		5		40	40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.
LCSD-82465

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab Sample ID: LCSD-82465 LCS Lot No.: A0107675

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	3333.0000	2575.2962	77		5		40	40 - 100
2-Methylphenol	3333.0000	2507.5640	75		5		40	40 - 105
4-Methylphenol	3333.0000	2605.8452	78		5		40	40 - 105
Naphthalene	3333.0000	2617.5623	79		3		40	40 - 105
Acenaphthylene	3333.0000	2553.6497	77		1		40	45 - 105
Acenaphthene	3333.0000	2642.8324	79		1		40	45 - 110
Fluorene	3333.0000	2591.9544	78		1		40	50 - 110
Pentachlorophenol	3333.0000	2265.9371	68		10		40	25 - 120
Phenanthrene	3333.0000	2701.9434	81		2		40	50 - 110
Anthracene	3333.0000	2617.2926	79		0		40	55 - 105
Fluoranthene	3333.0000	2490.8590	75		0		40	55 - 115
Pyrene	3333.0000	2809.0881	84		1		40	45 - 125
Benzo(a)anthracene	3333.0000	2871.4567	86		1		40	50 - 110
Chrysene	3333.0000	2756.6406	83		2		40	55 - 110
Benzo(b)fluoranthene	3333.0000	2682.2726	80		1		40	45 - 115
Benzo(k)fluoranthene	3333.0000	2717.9835	82		2		40	45 - 125
Benzo(a)pyrene	3333.0000	2655.9229	80		2		40	50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	2890.9339	87		1		40	40 - 120
Dibenzo(a,h)anthracene	3333.0000	2823.2069	85		0		40	40 - 125
Benzo(g,h,i)perylene	3333.0000	2888.4404	87		0		40	40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
SOIL LABORATORY CONTROL
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.
LCSD-82486

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab Sample ID: LCSD-82486 LCS Lot No.: A0107675

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	3333.0000	2862.4945	86		8		40	40 - 100
2-Methylphenol	3333.0000	2827.9897	85		10		40	40 - 105
4-Methylphenol	3333.0000	2933.6153	88		8		40	40 - 105
Naphthalene	3333.0000	2838.1818	85		11		40	40 - 105
Acenaphthylene	3333.0000	2752.8902	83		9		40	45 - 105
Acenaphthene	3333.0000	2805.3067	84		9		40	45 - 110
Fluorene	3333.0000	2709.1686	81		6		40	50 - 110
Pentachlorophenol	3333.0000	2486.2242	75		3		40	25 - 120
Phenanthrene	3333.0000	2825.1918	85		7		40	50 - 110
Anthracene	3333.0000	2707.6804	81		5		40	55 - 105
Fluoranthene	3333.0000	2519.5768	76		7		40	55 - 115
Pyrene	3333.0000	3003.7890	90		9		40	45 - 125
Benzo(a)anthracene	3333.0000	3022.8598	91		13		40	50 - 110
Chrysene	3333.0000	2903.1186	87		11		40	55 - 110
Benzo(b)fluoranthene	3333.0000	2659.2721	80		1		40	45 - 115
Benzo(k)fluoranthene	3333.0000	2836.9794	85		13		40	45 - 125
Benzo(a)pyrene	3333.0000	2755.2056	83		9		40	50 - 110
Indeno(1,2,3-cd)pyrene	3333.0000	3114.3523	93		9		40	40 - 120
Dibenzo(a,h)anthracene	3333.0000	2962.4145	89		9		40	40 - 125
Benzo(g,h,i)perylene	3333.0000	3056.6790	92		9		40	40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-82316

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab File ID: S3J4052.D Lab Sample ID: MB-82316

Instrument ID: S3 Date Extracted: 06/01/2015

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 06/04/2015

Level: (LOW/MED) LOW Time Analyzed: 13:04

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-82316	LCS-82316	S3J4053.D	06/04/2015
02	SB-69-0-4-052815	P0990-01A	S3J4065.D	06/04/2015
03	SB-69-4-8-052815	P0990-02A	S3J4066.D	06/04/2015
04	SB-69-8-12-052815	P0990-03A	S3J4067.D	06/04/2015
05	SB-69-12-16-052815	P0990-04A	S3J4068.D	06/04/2015
06	SB-69-16-20-052815	P0990-06A	S3J4069.D	06/04/2015
07	SB-68-16-20-052815	P0990-07A	S3J4070.D	06/04/2015
08	SB-68-12-16-052815	P0990-08A	S3J4071.D	06/04/2015
09	SB-68-8-12-052815	P0990-09A	S3J4072.D	06/04/2015
10	SB-68-4-8-052815	P0990-10A	S3J4073.D	06/04/2015
11	SB-66-0-4-052815	P0990-11A	S3J4074.D	06/04/2015
12	SB-66-4-8-052815	P0990-12A	S3J4075.D	06/04/2015
13	SB-69-4-8-052815DL	P0990-02ADL	S3J4144.D	06/08/2015

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-82319

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab File ID: S3J4150.D Lab Sample ID: MB-82319

Instrument ID: S3 Date Extracted: 06/02/2015

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 06/08/2015

Level: (LOW/MED) LOW Time Analyzed: 23:53

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-82319	LCS-82319	S3J4151.D	06/09/2015
02	SB-65-12-16-052815	P0990-13A	S3J4152.D	06/09/2015
03	SB-65-16-20-052815	P0990-14A	S3J4153.D	06/09/2015
04	SB-66-12-16-052815	P0990-16A	S3J4154.D	06/09/2015
05	SB-65-4-8-052815	P0990-19A	S3J4156.D	06/09/2015
06	SB-65-0-4-052815	P0990-20A	S3J4157.D	06/09/2015
07	SB-68-0-4-052815	P0990-21A	S3J4158.D	06/09/2015
08	SB-67-16-20-052815	P0990-22A	S3J4159.D	06/09/2015
09	SB-67-12-16-052815	P0990-24A	S3J4160.D	06/09/2015
10	SB-67-8-12-052815	P0990-25A	S3J4161.D	06/09/2015
11	SB-67-8-12-052815MS	P0990-25AMS	S3J4162.D	06/09/2015
12	SB-67-8-12-052815MSD	P0990-25AMSD	S3J4163.D	06/09/2015
13	SB-67-4-8-052815	P0990-26A	S3J4164.D	06/09/2015
14	SB-67-0-4-052815	P0990-28A	S3J4165.D	06/09/2015
15	SB-64A-16-20-052815	P0990-29A	S3J4166.D	06/09/2015
16	SB-64A-12-16-052815	P0990-30A	S3J4167.D	06/09/2015

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-82319

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab File ID: S3J4150.D Lab Sample ID: MB-82319

Instrument ID: S3 Date Extracted: 06/02/2015

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 06/08/2015

Level: (LOW/MED) LOW Time Analyzed: 23:53

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

17	SB-64A-8-12-052815	P0990-31A	S3J4168.D	06/09/2015
18	SB-64A-4-8-052815	P0990-32A	S3J4169.D	06/09/2015
19	SB-64-0-4-052815	P0990-34A	S3J4171.D	06/09/2015
20	SB-63-0-4-052815	P0990-35A	S3J4172.D	06/09/2015
21	SB-63-4-8-052815	P0990-36A	S3J4173.D	06/09/2015
22	SB-66-16-20-052815	P0990-17A	S3J4217.D	06/09/2015

COMMENTS:

4C - FORM IV SV
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
MB-82462

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab File ID: S3J4272.D Lab Sample ID: MB-82462

Instrument ID: S3 Date Extracted: 06/10/2015

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 06/11/2015

Level: (LOW/MED) LOW Time Analyzed: 12:06

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-82462	LCS-82462	S3J4273.D	06/11/2015
02	LCSD-82462	LCSD-82462	S3J4274.D	06/11/2015
03	SB-64A-0-4-052815	P0990-33A	S3J4278.D	06/11/2015
04	SB-64A-0-4-052815DL	P0990-33ADL	S3J4305.D	06/12/2015

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-82465

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab File ID: S3J4275.D Lab Sample ID: MB-82465

Instrument ID: S3 Date Extracted: 06/10/2015

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 06/11/2015

Level: (LOW/MED) LOW Time Analyzed: 13:15

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-82465	LCS-82465	S3J4276.D	06/11/2015
02	LCSD-82465	LCSD-82465	S3J4277.D	06/11/2015
03	SB-63-8-12-052815	P0990-37A	S3J4279.D	06/11/2015
04	SB-63-12-16-052815	P0990-38A	S3J4282.D	06/11/2015
05	SB-63-16-20-052815	P0990-39A	S3J4283.D	06/11/2015
06	SB-70-0-4-052915	P0990-40A	S3J4284.D	06/11/2015
07	SB-70-4-8-052915	P0990-41A	S3J4285.D	06/11/2015
08	SB-70-12-16-052915	P0990-43A	S3J4286.D	06/11/2015
09	SB-70-16-20-052915	P0990-44A	S3J4287.D	06/11/2015
10	SB-71-0-4-052915	P0990-45A	S3J4288.D	06/11/2015
11	SB-DUP-06-052915	P0990-46A	S3J4289.D	06/11/2015
12	SB-71-4-8-052915	P0990-47A	S3J4290.D	06/11/2015
13	SB-DUP-07-052915	P0990-48A	S3J4291.D	06/11/2015
14	SB-71-8-12-052915	P0990-49A	S3J4292.D	06/11/2015
15	SB-71-12-16-052915	P0990-50A	S3J4293.D	06/11/2015
16	SB-71-16-20-052915	P0990-51A	S3J4294.D	06/11/2015
17	SB-72-0-4-052915	P0990-52A	S3J4295.D	06/11/2015

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-82465

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab File ID: S3J4275.D Lab Sample ID: MB-82465

Instrument ID: S3 Date Extracted: 06/10/2015

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 06/11/2015

Level: (LOW/MED) LOW Time Analyzed: 13:15

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

18	SB-72-4-8-052915	P0990-53A	S3J4296.D	06/11/2015
19	SB-73-0-4-052915	P0990-55A	S3J4298.D	06/11/2015
20	SB-73-4-8-052915	P0990-56A	S3J4299.D	06/11/2015
21	SB-73-8-12-052915	P0990-57A	S3J4300.D	06/11/2015

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-82486

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

Lab File ID: S3J4331.D Lab Sample ID: MB-82486

Instrument ID: S3 Date Extracted: 06/12/2015

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 06/12/2015

Level: (LOW/MED) LOW Time Analyzed: 18:57

Extraction: (Type) SONC GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-82486	LCS-82486	S3J4332.D	06/12/2015
02	LCSD-82486	LCSD-82486	S3J4333.D	06/12/2015
03	SB-72-8-12-052915	P0990-54A	S3J4334.D	06/12/2015
04	SB-72-8-12-052915DL	P0990-54ADL	S3J4337.D	06/15/2015

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253H Date Analyzed: 06/15/2015

Lab File ID (Standard): S3J4336A.D Time Analyzed: 12:21

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	192321		3.271		751675		5.21		396994		7.096	
	UPPER LIMIT	384642		3.771		1503350		5.71		793988		7.596	
	LOWER LIMIT	96161		2.771		375838		4.71		198497		6.596	
	SAMPLE NO.												
01	SB-72-8-12-052915DL	176771		3.266		685778		5.205		343217		7.091	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253H Date Analyzed: 06/15/2015

Lab File ID (Standard): S3J4336A.D Time Analyzed: 12:21

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	652562		8.378		561053		10.553		611535		11.899	
	UPPER LIMIT	1305124		8.878		1122106		11.053		1223070		12.399	
	LOWER LIMIT	326281		7.878		280527		10.053		305768		11.399	
	SAMPLE NO.												
01	SB-72-8-12-052915DL	527235		8.373		440313		10.553		533964		11.910	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253T Date Analyzed: 06/04/2015

Lab File ID (Standard): S3J4051.D Time Analyzed: 11:40

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	70253		3.507		291839		5.431		160748		7.274	
	UPPER LIMIT	140506		4.007		583678		5.931		321496		7.774	
	LOWER LIMIT	35127		3.007		145920		4.931		80374		6.774	
	SAMPLE NO.												
01	MB-82316	92261		3.503		380097		5.426		196873		7.269	
02	LCS-82316	79411		3.504		317649		5.432		162871		7.275	
03	SB-69-0-4-052815	81153		3.508		332685		5.431		170108		7.275	
04	SB-69-4-8-052815	83418		3.505		344477		5.433		179220		7.276	
05	SB-69-8-12-052815	80459		3.506		332193		5.434		173386		7.277	
06	SB-69-12-16-052815	79513		3.510		328775		5.434		173165		7.277	
07	SB-69-16-20-052815	78087		3.510		324270		5.433		168251		7.276	
08	SB-68-16-20-052815	89145		3.506		370343		5.434		188742		7.277	
09	SB-68-12-16-052815	87733		3.509		369749		5.432		197491		7.275	
10	SB-68-8-12-052815	95835		3.511		397235		5.434		212206		7.277	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253T Date Analyzed: 06/04/2015

Lab File ID (Standard): S3J4051.D Time Analyzed: 11:40

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	70253		3.507		291839		5.431		160748		7.274	
	UPPER LIMIT	140506		4.007		583678		5.931		321496		7.774	
	LOWER LIMIT	35127		3.007		145920		4.931		80374		6.774	
	SAMPLE NO.												
11	SB-68-4-8-052815	91810		3.508		374760		5.436		193110		7.279	
12	SB-66-0-4-052815	98805		3.511		411998		5.434		213899		7.277	
13	SB-66-4-8-052815	95351		3.511		396255		5.434		210927		7.277	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253T Date Analyzed: 06/04/2015

Lab File ID (Standard): S3J4051.D Time Analyzed: 11:40

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	263488		8.556		241059		10.741		258117		12.226	
	UPPER LIMIT	526976		9.056		482118		11.241		516234		12.726	
	LOWER LIMIT	131744		8.056		120530		10.241		129059		11.726	
	SAMPLE NO.												
01	MB-82316	303137		8.556		251548		10.736		248808		12.221	
02	LCS-82316	254059		8.557		212016		10.742		228298		12.222	
03	SB-69-0-4-052815	268668		8.562		239448		10.758		272711		12.269	
04	SB-69-4-8-052815	281188		8.564		255631		10.759		284793		12.266	
05	SB-69-8-12-052815	283613		8.565		267982		10.755		286195		12.256	
06	SB-69-12-16-052815	281419		8.559		283774		10.744		288113		12.239	
07	SB-69-16-20-052815	270294		8.558		273576		10.743		278284		12.239	
08	SB-68-16-20-052815	296226		8.560		296531		10.745		311940		12.240	
09	SB-68-12-16-052815	321313		8.563		296125		10.753		320535		12.254	
10	SB-68-8-12-052815	330899		8.565		261914		10.771		311613		12.288	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253T Date Analyzed: 06/04/2015

Lab File ID (Standard): S3J4051.D Time Analyzed: 11:40

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	263488		8.556		241059		10.741		258117		12.226	
	UPPER LIMIT	526976		9.056		482118		11.241		516234		12.726	
	LOWER LIMIT	131744		8.056		120530		10.241		129059		11.726	
	SAMPLE NO.												
11	SB-68-4-8-052815	288704		8.567		225796		10.773		278729		12.296	
12	SB-66-0-4-052815	342710		8.565		329811		10.750		349999		12.256	
13	SB-66-4-8-052815	347443		8.564		338659		10.749		353383		12.250	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253X Date Analyzed: 06/08/2015

Lab File ID (Standard): S3J4122.D Time Analyzed: 13:14

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	112011		3.454		465108		5.383		259491		7.236	
	UPPER LIMIT	224022		3.954		930216		5.883		518982		7.736	
	LOWER LIMIT	56006		2.954		232554		4.883		129746		6.736	
	SAMPLE NO.												
01	SB-69-4-8-05 2815DL	137190		3.448		549031		5.382		278690		7.230	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253X Date Analyzed: 06/08/2015

Lab File ID (Standard): S3J4122.D Time Analyzed: 13:14

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	435044		8.519		381762		10.698		415848		12.157	
	UPPER LIMIT	870088		9.019		763524		11.198		831696		12.657	
	LOWER LIMIT	217522		8.019		190881		10.198		207924		11.657	
	SAMPLE NO.												
01	SB-69-4-8-05 2815DL	417732		8.518		388031		10.703		471691		12.167	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253Z Date Analyzed: 06/08/2015

Lab File ID (Standard): S3J4149.D Time Analyzed: 23:29

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	123801		3.447		518782		5.381		287351		7.235	
	UPPER LIMIT	247602		3.947		1037564		5.881		574702		7.735	
	LOWER LIMIT	61901		2.947		259391		4.881		143676		6.735	
	SAMPLE NO.												
01	MB-82319	137699		3.447		547769		5.380		285042		7.229	
02	LCS-82319	145299		3.450		576759		5.384		290086		7.232	
03	SB-65-12-16-052815	149566		3.447		597431		5.381		302969		7.229	
04	SB-65-16-20-052815	140705		3.449		557741		5.378		285153		7.231	
05	SB-66-12-16-052815	138563		3.450		555777		5.379		296117		7.227	
06	SB-65-4-8-052815	142423		3.447		570060		5.381		280630		7.229	
07	SB-65-0-4-052815	150442		3.452		599859		5.380		301761		7.229	
08	SB-68-0-4-052815	149961		3.447		586694		5.381		285367		7.229	
09	SB-67-16-20-052815	131734		3.448		530884		5.382		271605		7.230	
10	SB-67-12-16-052815	137930		3.450		549740		5.378		278163		7.232	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253Z Date Analyzed: 06/08/2015

Lab File ID (Standard): S3J4149.D Time Analyzed: 23:29

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	123801		3.447		518782		5.381		287351		7.235	
	UPPER LIMIT	247602		3.947		1037564		5.881		574702		7.735	
	LOWER LIMIT	61901		2.947		259391		4.881		143676		6.735	
	SAMPLE NO.												
11	SB-67-8-12-052815	145243		3.450		574371		5.379		290898		7.232	
12	SB-67-8-12-052815MS	146874		3.452		588639		5.386		304815		7.234	
13	SB-67-8-12-052815MSD	152320		3.453		603797		5.381		305819		7.235	
14	SB-67-4-8-052815	157198		3.452		634855		5.381		312901		7.229	
15	SB-67-0-4-052815	147999		3.452		577427		5.380		281007		7.229	
16	SB-64A-16-20-052815	145293		3.453		566910		5.381		282878		7.235	
17	SB-64A-12-16-052815	161414		3.453		639689		5.382		322313		7.230	
18	SB-64A-8-12-052815	149117		3.453		605102		5.381		311166		7.230	
19	SB-64A-4-8-052815	151573		3.452		609752		5.380		313134		7.234	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253Z Date Analyzed: 06/08/2015

Lab File ID (Standard): S3J4149.D Time Analyzed: 23:29

Instrument ID: S3

		IS1 (DCB)			IS2 (NPT)			IS3 (ANT)		
		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	123801		3.447		518782		5.381		287351		7.235	
	UPPER LIMIT	247602		3.947		1037564		5.881		574702		7.735	
	LOWER LIMIT	61901		2.947		259391		4.881		143676		6.735	
	SAMPLE NO.												
20	SB-64-0-4-052815	151811		3.453		603954		5.381		307077		7.230	
21	SB-63-0-4-052815	142842		3.452		558783		5.380		277121		7.234	
22	SB-63-4-8-052815	138754		3.453		539859		5.381		270236		7.235	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253Z Date Analyzed: 06/08/2015

Lab File ID (Standard): S3J4149.D Time Analyzed: 23:29

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	480437		8.517		407157		10.702		451535		12.149	
	UPPER LIMIT	960874		9.017		814314		11.202		903070		12.649	
	LOWER LIMIT	240219		8.017		203579		10.202		225768		11.649	
	SAMPLE NO.												
01	MB-82319	434705		8.511		359531		10.691		369927		12.144	
02	LCS-82319	445518		8.514		339297		10.699		361479		12.147	
03	SB-65-12-16-052815	456233		8.511		378405		10.691		375239		12.144	
04	SB-65-16-20-052815	421964		8.513		332363		10.693		322992		12.146	
05	SB-66-12-16-052815	449999		8.514		411123		10.694		308315		12.142	
06	SB-65-4-8-052815	405976		8.511		368873		10.696		409254		12.160	
07	SB-65-0-4-052815	438830		8.516		367602		10.696		442392		12.160	
08	SB-68-0-4-052815	406127		8.517		353733		10.712		426772		12.192	
09	SB-67-16-20-052815	414642		8.512		377294		10.697		426102		12.150	
10	SB-67-12-16-052815	413669		8.514		375400		10.694		411234		12.152	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253Z Date Analyzed: 06/08/2015

Lab File ID (Standard): S3J4149.D Time Analyzed: 23:29

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	480437		8.517		407157		10.702		451535		12.149	
	UPPER LIMIT	960874		9.017		814314		11.202		903070		12.649	
	LOWER LIMIT	240219		8.017		203579		10.202		225768		11.649	
	SAMPLE NO.												
11	SB-67-8-12-052815	424664		8.514		356770		10.694		424277		12.147	
12	SB-67-8-12-052815MS	472976		8.516		423700		10.701		500992		12.159	
13	SB-67-8-12-052815MSD	455485		8.517		380621		10.702		461387		12.160	
14	SB-67-4-8-052815	452161		8.517		392438		10.702		460662		12.160	
15	SB-67-0-4-052815	411147		8.516		361036		10.707		416755		12.181	
16	SB-64A-16-20-052815	416057		8.517		366373		10.697		414976		12.155	
17	SB-64A-12-16-052815	474991		8.517		403933		10.697		447735		12.155	
18	SB-64A-8-12-052815	468764		8.517		445040		10.697		493815		12.160	
19	SB-64A-4-8-052815	462870		8.516		434772		10.701		487501		12.159	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253Z Date Analyzed: 06/08/2015

Lab File ID (Standard): S3J4149.D Time Analyzed: 23:29

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	480437		8.517		407157		10.702		451535		12.149	
	UPPER LIMIT	960874		9.017		814314		11.202		903070		12.649	
	LOWER LIMIT	240219		8.017		203579		10.202		225768		11.649	
	SAMPLE NO.												
20	SB-64-0-4-052815	449939		8.517		414692		10.702		472872		12.171	
21	SB-63-0-4-052815	416090		8.516		372258		10.701		428256		12.165	
22	SB-63-4-8-052815	401773		8.517		363170		10.702		422471		12.166	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253B Date Analyzed: 06/09/2015

Lab File ID (Standard): S3J4212.D Time Analyzed: 21:24

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	116159		3.42		488267		5.353		271198		7.212	
	UPPER LIMIT	232318		3.92		976534		5.853		542396		7.712	
	LOWER LIMIT	58080		2.92		244134		4.853		135599		6.712	
	SAMPLE NO.												
01	SB-66-16-20-052815	148507		3.419		579750		5.353		290372		7.207	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253B Date Analyzed: 06/09/2015

Lab File ID (Standard): S3J4212.D Time Analyzed: 21:24

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	460046		8.495		397656		10.674		439274		12.111	
	UPPER LIMIT	920092		8.995		795312		11.174		878548		12.611	
	LOWER LIMIT	230023		7.995		198828		10.174		219637		11.611	
	SAMPLE NO.												
01	SB-66-16-20-052815	457553		8.489		396917		10.669		429775		12.106	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253E Date Analyzed: 06/11/2015

Lab File ID (Standard): S3J4271.D Time Analyzed: 11:15

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	166208		3.341		643015		5.28		332518		7.155	
	UPPER LIMIT	332416		3.841		1286030		5.78		665036		7.655	
	LOWER LIMIT	83104		2.841		321508		4.78		166259		6.655	
	SAMPLE NO.												
01	MB-82462	183550		3.343		691747		5.277		341927		7.152	
02	LCS-82462	176284		3.343		678681		5.282		341546		7.152	
03	LCSD-82462	189096		3.346		728363		5.285		368816		7.155	
04	MB-82465	172866		3.340		659414		5.279		327410		7.149	
05	LCS-82465	187589		3.341		715120		5.281		362852		7.150	
06	LCSD-82465	182318		3.345		687639		5.284		345154		7.154	
07	SB-64A-0-4-052815	171365		3.342		652002		5.276		322038		7.151	
08	SB-63-8-12-052815	189667		3.343		726694		5.282		354580		7.152	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253E Date Analyzed: 06/11/2015

Lab File ID (Standard): S3J4271.D Time Analyzed: 11:15

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	533482		8.437		467227		10.627		510534		12.032	
	UPPER LIMIT	1066964		8.937		934454		11.127		1021068		12.532	
	LOWER LIMIT	266741		7.937		233614		10.127		255267		11.532	
	SAMPLE NO.												
01	MB-82462	524962		8.434		430539		10.619		431014		12.024	
02	LCS-82462	525751		8.434		404467		10.624		416384		12.024	
03	LCSD-82462	563857		8.437		437302		10.628		463496		12.027	
04	MB-82465	507171		8.431		410899		10.616		413379		12.021	
05	LCS-82465	560019		8.438		435190		10.628		458156		12.033	
06	LCSD-82465	536575		8.436		419594		10.626		443345		12.026	
07	SB-64A-0-4-052815	478571		8.439		410080		10.624		490230		12.029	
08	SB-63-8-12-052815	483994		8.444		372852		10.656		467754		12.093	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253F Date Analyzed: 06/11/2015

Lab File ID (Standard): S3J4281.D Time Analyzed: 15:25

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	155283		3.343		610934		5.282		324446		7.152	
	UPPER LIMIT	310566		3.843		1221868		5.782		648892		7.652	
	LOWER LIMIT	77642		2.843		305467		4.782		162223		6.652	
	SAMPLE NO.												
01	SB-63-12-16-052815	171422		3.339		656506		5.278		326099		7.148	
02	SB-63-16-20-052815	170458		3.341		648653		5.280		319316		7.150	
03	SB-70-0-4-052915	176932		3.345		674783		5.278		331404		7.148	
04	SB-70-4-8-052915	163808		3.345		639559		5.279		323503		7.154	
05	SB-70-12-16-052915	179296		3.344		682161		5.283		336251		7.153	
06	SB-70-16-20-052915	177047		3.340		678672		5.279		335276		7.149	
07	SB-71-0-4-052915	181267		3.342		688777		5.281		335779		7.151	
08	SB-DUP-06-052915	174864		3.345		668621		5.279		328875		7.149	
09	SB-71-4-8-052915	173092		3.343		653094		5.282		320380		7.152	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253F Date Analyzed: 06/11/2015

Lab File ID (Standard): S3J4281.D Time Analyzed: 15:25

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	155283		3.343		610934		5.282		324446		7.152	
	UPPER LIMIT	310566		3.843		1221868		5.782		648892		7.652	
	LOWER LIMIT	77642		2.843		305467		4.782		162223		6.652	
	SAMPLE NO.												
10	SB-DUP-07-052915	176163		3.342		673663		5.281		338409		7.151	
11	SB-71-8-12-052915	171655		3.342		660687		5.282		317953		7.151	
12	SB-71-12-16-052915	172807		3.346		651436		5.280		319551		7.150	
13	SB-71-16-20-052915	170032		3.341		642698		5.280		321107		7.155	
14	SB-72-0-4-052915	170501		3.342		641663		5.281		315104		7.151	
15	SB-72-4-8-052915	174892		3.341		669477		5.280		328872		7.150	
16	SB-73-0-4-052915	170154		3.345		644937		5.284		317143		7.154	
17	SB-73-4-8-052915	179531		3.346		676954		5.279		335298		7.155	
18	SB-73-8-12-052915	183068		3.345		698735		5.285		344797		7.154	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253F Date Analyzed: 06/11/2015

Lab File ID (Standard): S3J4281.D Time Analyzed: 15:25

Instrument ID: S3

		IS1 (DCB)			IS2 (NPT)			IS3 (ANT)		
		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	155283		3.343		610934		5.282		324446		7.152	
	UPPER LIMIT	310566		3.843		1221868		5.782		648892		7.652	
	LOWER LIMIT	77642		2.843		305467		4.782		162223		6.652	
	SAMPLE NO.												
19	SB-64A-0-4-052815DL	157790		3.340		628966		5.279		324928		7.149	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253F Date Analyzed: 06/11/2015

Lab File ID (Standard): S3J4281.D Time Analyzed: 15:25

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	516049		8.44		452707		10.624		509760		12.024	
	UPPER LIMIT	1032098		8.94		905414		11.124		1019520		12.524	
	LOWER LIMIT	258025		7.94		226354		10.124		254880		11.524	
	SAMPLE NO.												
01	SB-63-12-16-052815	496447		8.436		405453		10.615		438920		12.015	
02	SB-63-16-20-052815	490823		8.437		401932		10.617		438368		12.022	
03	SB-70-0-4-052915	495421		8.436		409205		10.626		483478		12.031	
04	SB-70-4-8-052915	490982		8.436		441830		10.631		512633		12.047	
05	SB-70-12-16-052915	515366		8.435		412842		10.620		458144		12.025	
06	SB-70-16-20-052915	508514		8.436		415259		10.616		455327		12.015	
07	SB-71-0-4-052915	501140		8.438		394146		10.623		475972		12.028	
08	SB-DUP-06-052915	486704		8.436		396993		10.621		468533		12.026	
09	SB-71-4-8-052915	451433		8.439		370993		10.629		475949		12.045	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253F Date Analyzed: 06/11/2015

Lab File ID (Standard): S3J4281.D Time Analyzed: 15:25

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	516049		8.44		452707		10.624		509760		12.024	
	UPPER LIMIT	1032098		8.94		905414		11.124		1019520		12.524	
	LOWER LIMIT	258025		7.94		226354		10.124		254880		11.524	
	SAMPLE NO.												
10	SB-DUP-07-052915	496274		8.438		412557		10.623		512660		12.033	
11	SB-71-8-12-052915	453031		8.439		372096		10.624		458150		12.034	
12	SB-71-12-16-052915	482086		8.437		393318		10.617		448780		12.022	
13	SB-71-16-20-052915	482223		8.437		398911		10.617		457436		12.016	
14	SB-72-0-4-052915	468174		8.438		381873		10.618		454995		12.023	
15	SB-72-4-8-052915	487818		8.437		430208		10.628		521064		12.043	
16	SB-73-0-4-052915	483333		8.441		432442		10.621		509076		12.031	
17	SB-73-4-8-052915	503382		8.437		416891		10.616		485740		12.021	
18	SB-73-8-12-052915	525016		8.436		444915		10.621		513770		12.032	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253F Date Analyzed: 06/11/2015

Lab File ID (Standard): S3J4281.D Time Analyzed: 15:25

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	516049		8.44		452707		10.624		509760		12.024	
	UPPER LIMIT	1032098		8.94		905414		11.124		1019520		12.524	
	LOWER LIMIT	258025		7.94		226354		10.124		254880		11.524	
	SAMPLE NO.												
19	SB-64A-0-4-052815DL	504676		8.437		473270		10.616		518307		12.021	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253G Date Analyzed: 06/12/2015

Lab File ID (Standard): S3J4311.D Time Analyzed: 10:45

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	175190		3.295		699443		5.239		376761		7.114	
	UPPER LIMIT	350380		3.795		1398886		5.739		753522		7.614	
	LOWER LIMIT	87595		2.795		349722		4.739		188381		6.614	
	SAMPLE NO.												
01	MB-82486	191120		3.291		739673		5.231		375680		7.111	
02	LCS-82486	195325		3.292		765634		5.237		382826		7.117	
03	LCSD-82486	192489		3.295		746948		5.235		377909		7.115	
04	SB-72-8-12-052915	184259		3.293		734988		5.232		365966		7.112	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0990 Mod. Ref No.: SDG No.: SP0990

EPA Sample No.(SSTD020##) SSTD0253G Date Analyzed: 06/12/2015

Lab File ID (Standard): S3J4311.D Time Analyzed: 10:45

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	611968		8.396		531762		10.576		591335		11.949	
	UPPER LIMIT	1223936		8.896		1063524		11.076		1182670		12.449	
	LOWER LIMIT	305984		7.896		265881		10.076		295668		11.449	
	SAMPLE NO.												
01	MB-82486	573752		8.393		444290		10.567		432885		11.935	
02	LCS-82486	566776		8.399		419252		10.574		445312		11.941	
03	LCSD-82486	566522		8.397		411284		10.577		456753		11.939	
04	SB-72-8-12-052915	540883		8.394		470999		10.579		557679		11.958	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: P0990

SW846 6010C, SW846 7471B

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test codes: SW846 6010C, SW846 7471B

IV. PREPARATION

Soil Samples were prepared following procedures in laboratory test code: SW3050B
Soil Samples were prepared following procedures in laboratory test code: SW7471B

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: FIMS2
Instrument Type: CVAA
Description: FIMS
Manufacturer: Perkin-Elmer
Model: FIMS100

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on samples: SB-65-4-8-052815 (P0990-19AMS), SB-67-12-16-052815 (P0990-24AMS), SB-67-8-12-052815 (P0990-25AMS) and SB-73-8-12-052915 (P0990-57AMS).

Percent recoveries were within the QC limits with the following exceptions:

SB-65-4-8-052815 (P0990-19AMS), recovery is below criteria for Antimony at 63% with criteria of (80-120), Arsenic at 71% with criteria of (80-120) and Cadmium at 61% with criteria of (80-120).

SB-67-8-12-052815 (P0990-25AMS), recovery is below criteria for Antimony at 73% with criteria of (80-120).

D. Post Digestion Spike (PDS):

Post-digestion spike analysis was performed on samples: SB-65-4-8-052815 (P0990-19APDS) and SB-67-8-12-052815 (P0990-25APDS).

SB-65-4-8-052815 (P0990-19APDS) for Antimony, Arsenic and Cadmium due to recoveries of these elements outside of QC limits in the matrix spike.

SB-67-8-12-052815 (P0990-25APDS) for Antimony due to recovery of this element outside of QC limits in the matrix spike.

E. Duplicate sample:

Duplicate analyses were performed on samples: SB-65-4-8-052815 (P0990-19ADUP), SB-67-12-16-052815 (P0990-24ADUP), SB-67-8-12-052815 (P0990-25ADUP) and SB-73-8-12-052915 (P0990-57ADUP).

Relative percent differences were within the QC limits with the following exceptions:

SB-65-4-8-052815 (P0990-19ADUP), Duplicate analysis not within control limit for Aluminum, Arsenic, Beryllium, Cadmium, Calcium, Chromium, Iron, Lead, Magnesium and Sodium.

SB-73-8-12-052915 (P0990-57ADUP), Duplicate analysis not within control limit for Aluminum, Barium, Beryllium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium and Zinc.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on samples: SB-65-4-8-052815 (P0990-19ASD), SB-67-8-12-052815 (P0990-25ASD) and SB-73-8-12-052915 (P0990-57ASD).

Percent differences were within the QC limits with the exception of the following:

SB-65-4-8-052815 (P0990-19ASD), Serial Dilution analysis not within control limit for Arsenic, Cadmium, Cobalt, Lead, Nickel, Vanadium and Zinc.

SB-67-8-12-052815 (P0990-25ASD), Serial Dilution analysis not within control limit for Copper and Sodium.

SB-73-8-12-052915 (P0990-57ASD), Serial Dilution analysis not

within control limit for Sodium and Zinc.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 06/15/2015

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either

- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-63-0-4-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-35

Level (low/med): MED Date Received: 05/30/2015

% Solids: 88.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5700			P
7440-36-0	Antimony	0.37	U	N	P
7440-38-2	Arsenic	9.9			P
7440-39-3	Barium	63.6			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	3.8			P
7440-70-2	Calcium	34000			P
7440-47-3	Chromium	48.7			P
7440-48-4	Cobalt	6.7			P
7440-50-8	Copper	98.8		E	P
7439-89-6	Iron	104000			P
7439-92-1	Lead	224			P
7439-95-4	Magnesium	7110			P
7439-96-5	Manganese	2280			P
7439-97-6	Mercury	0.0024	U		CV
7440-02-0	Nickel	34.7			P
7440-09-7	Potassium	1040			P
7782-49-2	Selenium	3.1			P
7440-22-4	Silver	0.48	B		P
7440-23-5	Sodium	132		E	P
7440-28-0	Thallium	0.57	B		P
7440-62-2	Vanadium	17.0			P
7440-66-6	Zinc	500			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-63-12-16-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-38

Level (low/med): MED Date Received: 05/30/2015

% Solids: 65.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8510			P
7440-36-0	Antimony	0.45	U	N	P
7440-38-2	Arsenic	4.6			P
7440-39-3	Barium	51.5			P
7440-41-7	Beryllium	0.40			P
7440-43-9	Cadmium	0.27	B		P
7440-70-2	Calcium	4970			P
7440-47-3	Chromium	14.2			P
7440-48-4	Cobalt	7.5			P
7440-50-8	Copper	24.7		E	P
7439-89-6	Iron	16500			P
7439-92-1	Lead	12.5			P
7439-95-4	Magnesium	3960			P
7439-96-5	Manganese	192			P
7439-97-6	Mercury	0.019	B		CV
7440-02-0	Nickel	25.2			P
7440-09-7	Potassium	4900			P
7782-49-2	Selenium	2.9			P
7440-22-4	Silver	0.076	U		P
7440-23-5	Sodium	336		E	P
7440-28-0	Thallium	0.26	U		P
7440-62-2	Vanadium	20.2			P
7440-66-6	Zinc	78.6			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-63-16-20-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-39

Level (low/med): MED Date Received: 05/30/2015

% Solids: 78.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14500			P
7440-36-0	Antimony	0.40	U	N	P
7440-38-2	Arsenic	7.2			P
7440-39-3	Barium	167			P
7440-41-7	Beryllium	0.81			P
7440-43-9	Cadmium	0.47			P
7440-70-2	Calcium	31300			P
7440-47-3	Chromium	22.8			P
7440-48-4	Cobalt	11.5			P
7440-50-8	Copper	27.1		E	P
7439-89-6	Iron	35900			P
7439-92-1	Lead	12.6			P
7439-95-4	Magnesium	13300			P
7439-96-5	Manganese	459			P
7439-97-6	Mercury	0.011	B		CV
7440-02-0	Nickel	29.3			P
7440-09-7	Potassium	2280			P
7782-49-2	Selenium	3.4			P
7440-22-4	Silver	0.067	U		P
7440-23-5	Sodium	168		E	P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	28.7			P
7440-66-6	Zinc	79.3			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-63-4-8-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-36

Level (low/med): MED Date Received: 05/30/2015

% Solids: 79.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16200			P
7440-36-0	Antimony	0.41	U	N	P
7440-38-2	Arsenic	13.1			P
7440-39-3	Barium	151			P
7440-41-7	Beryllium	3.8			P
7440-43-9	Cadmium	2.7			P
7440-70-2	Calcium	86400			P
7440-47-3	Chromium	16.4			P
7440-48-4	Cobalt	4.9			P
7440-50-8	Copper	46.0		E	P
7439-89-6	Iron	84800			P
7439-92-1	Lead	103			P
7439-95-4	Magnesium	17500			P
7439-96-5	Manganese	5540			P
7439-97-6	Mercury	0.12			CV
7440-02-0	Nickel	9.6			P
7440-09-7	Potassium	2140			P
7782-49-2	Selenium	5.7			P
7440-22-4	Silver	0.068	U		P
7440-23-5	Sodium	552		E	P
7440-28-0	Thallium	1.9			P
7440-62-2	Vanadium	19.8			P
7440-66-6	Zinc	445			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-63-8-12-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-37

Level (low/med): MED Date Received: 05/30/2015

% Solids: 49.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27400			P
7440-36-0	Antimony	2.5		N	P
7440-38-2	Arsenic	43.7			P
7440-39-3	Barium	224			P
7440-41-7	Beryllium	3.9			P
7440-43-9	Cadmium	4.5			P
7440-70-2	Calcium	224000			P
7440-47-3	Chromium	55.9			P
7440-48-4	Cobalt	8.6			P
7440-50-8	Copper	48.8		E	P
7439-89-6	Iron	32800			P
7439-92-1	Lead	224			P
7439-95-4	Magnesium	7170			P
7439-96-5	Manganese	704			P
7439-97-6	Mercury	0.022	B		CV
7440-02-0	Nickel	29.0			P
7440-09-7	Potassium	27900			P
7782-49-2	Selenium	12.1			P
7440-22-4	Silver	2.3	B		P
7440-23-5	Sodium	1500		E	P
7440-28-0	Thallium	0.33	U		P
7440-62-2	Vanadium	60.5			P
7440-66-6	Zinc	872			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-64-0-4-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-34

Level (low/med): MED Date Received: 05/30/2015

% Solids: 87.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7540			P
7440-36-0	Antimony	0.36	U	N	P
7440-38-2	Arsenic	12.0			P
7440-39-3	Barium	90.2			P
7440-41-7	Beryllium	1.5			P
7440-43-9	Cadmium	5.3			P
7440-70-2	Calcium	45100			P
7440-47-3	Chromium	102			P
7440-48-4	Cobalt	8.0			P
7440-50-8	Copper	190		E	P
7439-89-6	Iron	125000			P
7439-92-1	Lead	446			P
7439-95-4	Magnesium	8750			P
7439-96-5	Manganese	3370			P
7439-97-6	Mercury	0.29			CV
7440-02-0	Nickel	52.7			P
7440-09-7	Potassium	1490			P
7782-49-2	Selenium	2.2			P
7440-22-4	Silver	0.068	B		P
7440-23-5	Sodium	255		E	P
7440-28-0	Thallium	0.47	B		P
7440-62-2	Vanadium	17.1			P
7440-66-6	Zinc	895			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-64A-0-4-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-33

Level (low/med): MED Date Received: 05/30/2015

% Solids: 73.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5930			P
7440-36-0	Antimony	2.8		N	P
7440-38-2	Arsenic	22.8			P
7440-39-3	Barium	204			P
7440-41-7	Beryllium	0.98			P
7440-43-9	Cadmium	3.0			P
7440-70-2	Calcium	19000			P
7440-47-3	Chromium	54.6			P
7440-48-4	Cobalt	3.0			P
7440-50-8	Copper	114		E	P
7439-89-6	Iron	103000			P
7439-92-1	Lead	139			P
7439-95-4	Magnesium	1410			P
7439-96-5	Manganese	606			P
7439-97-6	Mercury	17.7			CV
7440-02-0	Nickel	13.2			P
7440-09-7	Potassium	4610			P
7782-49-2	Selenium	8.3			P
7440-22-4	Silver	6.0			P
7440-23-5	Sodium	83.8		E	P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	37.4			P
7440-66-6	Zinc	365			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-64A-12-16-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-30

Level (low/med): MED Date Received: 05/30/2015

% Solids: 83.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11800			P
7440-36-0	Antimony	0.31	U	N	P
7440-38-2	Arsenic	14.7			P
7440-39-3	Barium	92.5			P
7440-41-7	Beryllium	0.62			P
7440-43-9	Cadmium	0.57			P
7440-70-2	Calcium	35400			P
7440-47-3	Chromium	18.5			P
7440-48-4	Cobalt	12.9			P
7440-50-8	Copper	31.1		E	P
7439-89-6	Iron	34900			P
7439-92-1	Lead	15.5			P
7439-95-4	Magnesium	11500			P
7439-96-5	Manganese	429			P
7439-97-6	Mercury	0.011	B		CV
7440-02-0	Nickel	31.6			P
7440-09-7	Potassium	1390			P
7782-49-2	Selenium	2.4			P
7440-22-4	Silver	0.052	U		P
7440-23-5	Sodium	140		E	P
7440-28-0	Thallium	0.18	U		P
7440-62-2	Vanadium	23.8			P
7440-66-6	Zinc	85.4			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-64A-16-20-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-29

Level (low/med): MED Date Received: 05/30/2015

% Solids: 83.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11700			P
7440-36-0	Antimony	0.39	U	N	P
7440-38-2	Arsenic	7.7			P
7440-39-3	Barium	72.0			P
7440-41-7	Beryllium	0.63			P
7440-43-9	Cadmium	0.42			P
7440-70-2	Calcium	37300			P
7440-47-3	Chromium	18.2			P
7440-48-4	Cobalt	13.3			P
7440-50-8	Copper	32.7		E	P
7439-89-6	Iron	32000			P
7439-92-1	Lead	15.9			P
7439-95-4	Magnesium	12500			P
7439-96-5	Manganese	510			P
7439-97-6	Mercury	0.0029	U		CV
7440-02-0	Nickel	30.9			P
7440-09-7	Potassium	1580			P
7782-49-2	Selenium	2.4			P
7440-22-4	Silver	0.066	U		P
7440-23-5	Sodium	147		E	P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	23.3			P
7440-66-6	Zinc	82.0			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-64A-4-8-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-32

Level (low/med): MED Date Received: 05/30/2015

% Solids: 80.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20300			P
7440-36-0	Antimony	0.33	U	N	P
7440-38-2	Arsenic	10.4			P
7440-39-3	Barium	174			P
7440-41-7	Beryllium	4.1			P
7440-43-9	Cadmium	3.7			P
7440-70-2	Calcium	122000			P
7440-47-3	Chromium	9.9			P
7440-48-4	Cobalt	2.4			P
7440-50-8	Copper	313		E	P
7439-89-6	Iron	69000			P
7439-92-1	Lead	552			P
7439-95-4	Magnesium	28100			P
7439-96-5	Manganese	4330			P
7439-97-6	Mercury	0.090			CV
7440-02-0	Nickel	4.7			P
7440-09-7	Potassium	5260			P
7782-49-2	Selenium	4.6			P
7440-22-4	Silver	3.0			P
7440-23-5	Sodium	812		E	P
7440-28-0	Thallium	2.2			P
7440-62-2	Vanadium	14.5			P
7440-66-6	Zinc	18400			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-64A-8-12-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-31

Level (low/med): MED Date Received: 05/30/2015

% Solids: 64.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5760			P
7440-36-0	Antimony	0.42	U	N	P
7440-38-2	Arsenic	8.8			P
7440-39-3	Barium	62.7			P
7440-41-7	Beryllium	0.48			P
7440-43-9	Cadmium	0.41			P
7440-70-2	Calcium	7400			P
7440-47-3	Chromium	9.3			P
7440-48-4	Cobalt	8.7			P
7440-50-8	Copper	15.1		E	P
7439-89-6	Iron	11900			P
7439-92-1	Lead	11.1			P
7439-95-4	Magnesium	1610			P
7439-96-5	Manganese	138			P
7439-97-6	Mercury	0.020	B		CV
7440-02-0	Nickel	13.9			P
7440-09-7	Potassium	1880			P
7782-49-2	Selenium	2.1			P
7440-22-4	Silver	0.070	U		P
7440-23-5	Sodium	185		E	P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	25.4			P
7440-66-6	Zinc	44.9			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-65-0-4-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-20

Level (low/med): MED Date Received: 05/30/2015

% Solids: 78.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8970			P
7440-36-0	Antimony	0.42	U	N	P
7440-38-2	Arsenic	17.2			P
7440-39-3	Barium	128			P
7440-41-7	Beryllium	1.8			P
7440-43-9	Cadmium	8.0			P
7440-70-2	Calcium	47200			P
7440-47-3	Chromium	135			P
7440-48-4	Cobalt	11.7			P
7440-50-8	Copper	255		E	P
7439-89-6	Iron	159000			P
7439-92-1	Lead	503			P
7439-95-4	Magnesium	10000			P
7439-96-5	Manganese	3450			P
7439-97-6	Mercury	0.17			CV
7440-02-0	Nickel	86.8			P
7440-09-7	Potassium	2040			P
7782-49-2	Selenium	0.70	U		P
7440-22-4	Silver	0.070	U		P
7440-23-5	Sodium	655		E	P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	22.3			P
7440-66-6	Zinc	1060			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-65-12-16-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-13

Level (low/med): MED Date Received: 05/30/2015

% Solids: 78.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12100		*	P
7440-36-0	Antimony	0.25	U	N	P
7440-38-2	Arsenic	9.7		N*E	P
7440-39-3	Barium	178			P
7440-41-7	Beryllium	0.63		*	P
7440-43-9	Cadmium	0.63		N*E	P
7440-70-2	Calcium	30800		*	P
7440-47-3	Chromium	18.9		*	P
7440-48-4	Cobalt	10.6		E	P
7440-50-8	Copper	34.4			P
7439-89-6	Iron	26600		*	P
7439-92-1	Lead	16.4		*E	P
7439-95-4	Magnesium	11300		*	P
7439-96-5	Manganese	338			P
7439-97-6	Mercury	0.018	B		CV
7440-02-0	Nickel	30.3		E	P
7440-09-7	Potassium	2830			P
7782-49-2	Selenium	2.0			P
7440-22-4	Silver	0.041	U		P
7440-23-5	Sodium	155		*	P
7440-28-0	Thallium	0.14	U		P
7440-62-2	Vanadium	23.2		E	P
7440-66-6	Zinc	75.1		E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-65-16-20-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-14

Level (low/med): MED Date Received: 05/30/2015

% Solids: 81.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9720		*	P
7440-36-0	Antimony	0.39	U	N	P
7440-38-2	Arsenic	3.3		N*E	P
7440-39-3	Barium	82.3			P
7440-41-7	Beryllium	0.45		*	P
7440-43-9	Cadmium	0.23	B	N*E	P
7440-70-2	Calcium	27800		*	P
7440-47-3	Chromium	15.0		*	P
7440-48-4	Cobalt	7.9		E	P
7440-50-8	Copper	19.8			P
7439-89-6	Iron	16700		*	P
7439-92-1	Lead	13.4		*E	P
7439-95-4	Magnesium	10200		*	P
7439-96-5	Manganese	290			P
7439-97-6	Mercury	0.024	B		CV
7440-02-0	Nickel	22.8		E	P
7440-09-7	Potassium	1440			P
7782-49-2	Selenium	2.3			P
7440-22-4	Silver	0.066	U		P
7440-23-5	Sodium	108		*	P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	16.5		E	P
7440-66-6	Zinc	61.3		E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-65-4-8-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-19

Level (low/med): MED Date Received: 05/30/2015

% Solids: 63.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15700		*	P
7440-36-0	Antimony	0.49	U	N	P
7440-38-2	Arsenic	18.0		N*E	P
7440-39-3	Barium	176			P
7440-41-7	Beryllium	3.3		*	P
7440-43-9	Cadmium	5.5		N*E	P
7440-70-2	Calcium	96900		*	P
7440-47-3	Chromium	26.0		*	P
7440-48-4	Cobalt	7.0		E	P
7440-50-8	Copper	114			P
7439-89-6	Iron	142000		*	P
7439-92-1	Lead	363		*E	P
7439-95-4	Magnesium	19900		*	P
7439-96-5	Manganese	3100			P
7439-97-6	Mercury	0.10			CV
7440-02-0	Nickel	16.5		E	P
7440-09-7	Potassium	4460			P
7782-49-2	Selenium	7.0			P
7440-22-4	Silver	0.082	U		P
7440-23-5	Sodium	433		*	P
7440-28-0	Thallium	0.28	U		P
7440-62-2	Vanadium	24.6		E	P
7440-66-6	Zinc	869		E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-66-0-4-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-11

Level (low/med): MED Date Received: 05/30/2015

% Solids: 78.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5540		*	P
7440-36-0	Antimony	0.30	U	N	P
7440-38-2	Arsenic	9.4		N*E	P
7440-39-3	Barium	69.0			P
7440-41-7	Beryllium	0.98		*	P
7440-43-9	Cadmium	3.0		N*E	P
7440-70-2	Calcium	154000		*	P
7440-47-3	Chromium	26.2		*	P
7440-48-4	Cobalt	4.1		E	P
7440-50-8	Copper	160			P
7439-89-6	Iron	68100		*	P
7439-92-1	Lead	376		*E	P
7439-95-4	Magnesium	51200		*	P
7439-96-5	Manganese	1760			P
7439-97-6	Mercury	0.18			CV
7440-02-0	Nickel	18.7		E	P
7440-09-7	Potassium	1260			P
7782-49-2	Selenium	3.0			P
7440-22-4	Silver	0.050	U		P
7440-23-5	Sodium	294		*	P
7440-28-0	Thallium	0.17	U		P
7440-62-2	Vanadium	12.0		E	P
7440-66-6	Zinc	516		E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-66-12-16-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-16

Level (low/med): MED Date Received: 05/30/2015

% Solids: 77.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11700		*	P
7440-36-0	Antimony	0.40	U	N	P
7440-38-2	Arsenic	9.1		N*E	P
7440-39-3	Barium	78.7			P
7440-41-7	Beryllium	0.62		*	P
7440-43-9	Cadmium	0.65		N*E	P
7440-70-2	Calcium	3550		*	P
7440-47-3	Chromium	18.4		*	P
7440-48-4	Cobalt	14.5		E	P
7440-50-8	Copper	31.4			P
7439-89-6	Iron	31500		*	P
7439-92-1	Lead	15.7		*E	P
7439-95-4	Magnesium	5420		*	P
7439-96-5	Manganese	552			P
7439-97-6	Mercury	0.012	B		CV
7440-02-0	Nickel	34.2		E	P
7440-09-7	Potassium	2090			P
7782-49-2	Selenium	2.8			P
7440-22-4	Silver	0.068	U		P
7440-23-5	Sodium	125		*	P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	22.5		E	P
7440-66-6	Zinc	74.9		E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-66-16-20-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-17

Level (low/med): MED Date Received: 05/30/2015

% Solids: 75.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17300		*	P
7440-36-0	Antimony	0.46	U	N	P
7440-38-2	Arsenic	13.7		N*E	P
7440-39-3	Barium	331			P
7440-41-7	Beryllium	0.88		*	P
7440-43-9	Cadmium	0.53		N*E	P
7440-70-2	Calcium	27500		*	P
7440-47-3	Chromium	27.2		*	P
7440-48-4	Cobalt	16.7		E	P
7440-50-8	Copper	38.3			P
7439-89-6	Iron	37900		*	P
7439-92-1	Lead	19.3		*E	P
7439-95-4	Magnesium	13700		*	P
7439-96-5	Manganese	597			P
7439-97-6	Mercury	0.0032	U		CV
7440-02-0	Nickel	37.9		E	P
7440-09-7	Potassium	2790			P
7782-49-2	Selenium	2.7			P
7440-22-4	Silver	0.078	U		P
7440-23-5	Sodium	196		*	P
7440-28-0	Thallium	0.27	U		P
7440-62-2	Vanadium	35.9		E	P
7440-66-6	Zinc	92.0		E	P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-66-4-8-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-12

Level (low/med): MED Date Received: 05/30/2015

% Solids: 73.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8720		*	P
7440-36-0	Antimony	0.36	U	N	P
7440-38-2	Arsenic	22.8		N*E	P
7440-39-3	Barium	98.4			P
7440-41-7	Beryllium	1.5		*	P
7440-43-9	Cadmium	5.4		N*E	P
7440-70-2	Calcium	57500		*	P
7440-47-3	Chromium	50.9		*	P
7440-48-4	Cobalt	6.1		E	P
7440-50-8	Copper	108			P
7439-89-6	Iron	136000		*	P
7439-92-1	Lead	146		*E	P
7439-95-4	Magnesium	7390		*	P
7439-96-5	Manganese	2300			P
7439-97-6	Mercury	0.55			CV
7440-02-0	Nickel	27.7		E	P
7440-09-7	Potassium	2250			P
7782-49-2	Selenium	0.94	B		P
7440-22-4	Silver	0.84	B		P
7440-23-5	Sodium	197		*	P
7440-28-0	Thallium	0.21	U		P
7440-62-2	Vanadium	36.1		E	P
7440-66-6	Zinc	454		E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-67-0-4-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-28

Level (low/med): MED Date Received: 05/30/2015

% Solids: 63.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10900			P
7440-36-0	Antimony	0.92	B	N	P
7440-38-2	Arsenic	22.9			P
7440-39-3	Barium	159			P
7440-41-7	Beryllium	1.9			P
7440-43-9	Cadmium	10			P
7440-70-2	Calcium	95000			P
7440-47-3	Chromium	49.2			P
7440-48-4	Cobalt	12.8			P
7440-50-8	Copper	297		E	P
7439-89-6	Iron	179000			P
7439-92-1	Lead	457			P
7439-95-4	Magnesium	14500			P
7439-96-5	Manganese	6720			P
7439-97-6	Mercury	0.31			CV
7440-02-0	Nickel	38.1			P
7440-09-7	Potassium	2460			P
7782-49-2	Selenium	0.69	U		P
7440-22-4	Silver	0.069	U		P
7440-23-5	Sodium	324		E	P
7440-28-0	Thallium	2.5			P
7440-62-2	Vanadium	29.2			P
7440-66-6	Zinc	1050			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-67-12-16-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-24

Level (low/med): MED Date Received: 05/30/2015

% Solids: 77.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12900			P
7440-36-0	Antimony	0.34	U	N	P
7440-38-2	Arsenic	6.7			P
7440-39-3	Barium	95.2			P
7440-41-7	Beryllium	0.68			P
7440-43-9	Cadmium	0.69			P
7440-70-2	Calcium	42500			P
7440-47-3	Chromium	20.1			P
7440-48-4	Cobalt	13.0			P
7440-50-8	Copper	35.7		E	P
7439-89-6	Iron	37300			P
7439-92-1	Lead	16.6			P
7439-95-4	Magnesium	13400			P
7439-96-5	Manganese	676			P
7439-97-6	Mercury	0.0092	B		CV
7440-02-0	Nickel	32.7			P
7440-09-7	Potassium	1850			P
7782-49-2	Selenium	3.2			P
7440-22-4	Silver	0.058	U		P
7440-23-5	Sodium	173		E	P
7440-28-0	Thallium	0.20	U		P
7440-62-2	Vanadium	26.2			P
7440-66-6	Zinc	78.5			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-67-16-20-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-22

Level (low/med): MED Date Received: 05/30/2015

% Solids: 83.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600			P
7440-36-0	Antimony	0.28	U	N	P
7440-38-2	Arsenic	10.7			P
7440-39-3	Barium	98.8			P
7440-41-7	Beryllium	0.62			P
7440-43-9	Cadmium	0.55			P
7440-70-2	Calcium	36000			P
7440-47-3	Chromium	19.8			P
7440-48-4	Cobalt	12.6			P
7440-50-8	Copper	31.9		E	P
7439-89-6	Iron	30100			P
7439-92-1	Lead	15.7			P
7439-95-4	Magnesium	13300			P
7439-96-5	Manganese	491			P
7439-97-6	Mercury	0.011	B		CV
7440-02-0	Nickel	30.7			P
7440-09-7	Potassium	1710			P
7782-49-2	Selenium	2.5			P
7440-22-4	Silver	0.047	U		P
7440-23-5	Sodium	148		E	P
7440-28-0	Thallium	0.16	U		P
7440-62-2	Vanadium	23.7			P
7440-66-6	Zinc	76.2			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-67-4-8-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-26

Level (low/med): MED Date Received: 05/30/2015

% Solids: 70.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9250			P
7440-36-0	Antimony	0.29	U	N	P
7440-38-2	Arsenic	20.8			P
7440-39-3	Barium	92.0			P
7440-41-7	Beryllium	1.4			P
7440-43-9	Cadmium	6.8			P
7440-70-2	Calcium	49100			P
7440-47-3	Chromium	39.4			P
7440-48-4	Cobalt	8.0			P
7440-50-8	Copper	155		E	P
7439-89-6	Iron	118000			P
7439-92-1	Lead	299			P
7439-95-4	Magnesium	9900			P
7439-96-5	Manganese	3650			P
7439-97-6	Mercury	0.12			CV
7440-02-0	Nickel	28.1			P
7440-09-7	Potassium	3490			P
7782-49-2	Selenium	1.2	B		P
7440-22-4	Silver	0.050	U		P
7440-23-5	Sodium	281		E	P
7440-28-0	Thallium	0.17	U		P
7440-62-2	Vanadium	25.1			P
7440-66-6	Zinc	848			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-67-8-12-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-25

Level (low/med): MED Date Received: 05/30/2015

% Solids: 60.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2820			P
7440-36-0	Antimony	0.46	U	N	P
7440-38-2	Arsenic	10.9			P
7440-39-3	Barium	37.5			P
7440-41-7	Beryllium	0.32			P
7440-43-9	Cadmium	0.20	B		P
7440-70-2	Calcium	5670			P
7440-47-3	Chromium	4.7			P
7440-48-4	Cobalt	3.5			P
7440-50-8	Copper	12.5		E	P
7439-89-6	Iron	5420			P
7439-92-1	Lead	5.0			P
7439-95-4	Magnesium	1330			P
7439-96-5	Manganese	116			P
7439-97-6	Mercury	0.0079	B		CV
7440-02-0	Nickel	11.4			P
7440-09-7	Potassium	1840			P
7782-49-2	Selenium	1.2	B		P
7440-22-4	Silver	0.077	U		P
7440-23-5	Sodium	372		E	P
7440-28-0	Thallium	0.26	U		P
7440-62-2	Vanadium	7.1			P
7440-66-6	Zinc	20.0			P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-68-0-4-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-21

Level (low/med): MED Date Received: 05/30/2015

% Solids: 74.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9410			P
7440-36-0	Antimony	0.38	U	N	P
7440-38-2	Arsenic	15.7			P
7440-39-3	Barium	113			P
7440-41-7	Beryllium	1.8			P
7440-43-9	Cadmium	7.7			P
7440-70-2	Calcium	53500			P
7440-47-3	Chromium	107			P
7440-48-4	Cobalt	10.2			P
7440-50-8	Copper	433		E	P
7439-89-6	Iron	155000			P
7439-92-1	Lead	494			P
7439-95-4	Magnesium	14200			P
7439-96-5	Manganese	4110			P
7439-97-6	Mercury	0.10			CV
7440-02-0	Nickel	58.2			P
7440-09-7	Potassium	1870			P
7782-49-2	Selenium	0.64	U		P
7440-22-4	Silver	0.064	U		P
7440-23-5	Sodium	210		E	P
7440-28-0	Thallium	0.62	B		P
7440-62-2	Vanadium	22.3			P
7440-66-6	Zinc	877			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-68-12-16-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-08

Level (low/med): MED Date Received: 05/30/2015

% Solids: 42.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600		*	P
7440-36-0	Antimony	0.64	U	N	P
7440-38-2	Arsenic	29.5		N*E	P
7440-39-3	Barium	137			P
7440-41-7	Beryllium	1.2		*	P
7440-43-9	Cadmium	2.4		N*E	P
7440-70-2	Calcium	27400		*	P
7440-47-3	Chromium	28.5		*	P
7440-48-4	Cobalt	12.6		E	P
7440-50-8	Copper	90.1			P
7439-89-6	Iron	93600		*	P
7439-92-1	Lead	100		*E	P
7439-95-4	Magnesium	7790		*	P
7439-96-5	Manganese	2530			P
7439-97-6	Mercury	0.055	B		CV
7440-02-0	Nickel	31.7		E	P
7440-09-7	Potassium	7890			P
7782-49-2	Selenium	7.4			P
7440-22-4	Silver	0.11	U		P
7440-23-5	Sodium	1120		*	P
7440-28-0	Thallium	1.2	B		P
7440-62-2	Vanadium	42.0		E	P
7440-66-6	Zinc	417		E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-68-16-20-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-07

Level (low/med): MED Date Received: 05/30/2015

% Solids: 77.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13700		*	P
7440-36-0	Antimony	0.34	U	N	P
7440-38-2	Arsenic	10		N*E	P
7440-39-3	Barium	110			P
7440-41-7	Beryllium	0.77		*	P
7440-43-9	Cadmium	0.97		N*E	P
7440-70-2	Calcium	34900		*	P
7440-47-3	Chromium	26.8		*	P
7440-48-4	Cobalt	12.3		E	P
7440-50-8	Copper	39.9			P
7439-89-6	Iron	42900		*	P
7439-92-1	Lead	48.3		*E	P
7439-95-4	Magnesium	13800		*	P
7439-96-5	Manganese	713			P
7439-97-6	Mercury	0.024	B		CV
7440-02-0	Nickel	33.5		E	P
7440-09-7	Potassium	2480			P
7782-49-2	Selenium	2.8			P
7440-22-4	Silver	0.056	U		P
7440-23-5	Sodium	211		*	P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	28.2		E	P
7440-66-6	Zinc	196		E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-68-4-8-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-10

Level (low/med): MED Date Received: 05/30/2015

% Solids: 68.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8100		*	P
7440-36-0	Antimony	0.39	U	N	P
7440-38-2	Arsenic	15.2		N*E	P
7440-39-3	Barium	106			P
7440-41-7	Beryllium	1.4		*	P
7440-43-9	Cadmium	11.7		N*E	P
7440-70-2	Calcium	44400		*	P
7440-47-3	Chromium	189		*	P
7440-48-4	Cobalt	12.2		E	P
7440-50-8	Copper	480			P
7439-89-6	Iron	222000		*	P
7439-92-1	Lead	540		*E	P
7439-95-4	Magnesium	8810		*	P
7439-96-5	Manganese	4640			P
7439-97-6	Mercury	0.11			CV
7440-02-0	Nickel	89.1		E	P
7440-09-7	Potassium	1500			P
7782-49-2	Selenium	0.65	U		P
7440-22-4	Silver	0.065	U		P
7440-23-5	Sodium	217		*	P
7440-28-0	Thallium	0.22	U		P
7440-62-2	Vanadium	23.5		E	P
7440-66-6	Zinc	939		E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-68-8-12-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-09

Level (low/med): MED Date Received: 05/30/2015

% Solids: 79.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9430		*	P
7440-36-0	Antimony	0.30	U	N	P
7440-38-2	Arsenic	14.9		N*E	P
7440-39-3	Barium	107			P
7440-41-7	Beryllium	1.7		*	P
7440-43-9	Cadmium	11.4		N*E	P
7440-70-2	Calcium	62800		*	P
7440-47-3	Chromium	144		*	P
7440-48-4	Cobalt	10.8		E	P
7440-50-8	Copper	461			P
7439-89-6	Iron	193000		*	P
7439-92-1	Lead	485		*E	P
7439-95-4	Magnesium	11900		*	P
7439-96-5	Manganese	4590			P
7439-97-6	Mercury	0.088			CV
7440-02-0	Nickel	75.9		E	P
7440-09-7	Potassium	2170			P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	0.051	U		P
7440-23-5	Sodium	314		*	P
7440-28-0	Thallium	0.17	U		P
7440-62-2	Vanadium	23.2		E	P
7440-66-6	Zinc	901		E	P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-69-0-4-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-01

Level (low/med): MED Date Received: 05/30/2015

% Solids: 82.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13200		*	P
7440-36-0	Antimony	19.5		N	P
7440-38-2	Arsenic	15.1		N*E	P
7440-39-3	Barium	132			P
7440-41-7	Beryllium	2.4		*	P
7440-43-9	Cadmium	6.2		N*E	P
7440-70-2	Calcium	65200		*	P
7440-47-3	Chromium	79.5		*	P
7440-48-4	Cobalt	8.8		E	P
7440-50-8	Copper	288			P
7439-89-6	Iron	139000		*	P
7439-92-1	Lead	480		*E	P
7439-95-4	Magnesium	14900		*	P
7439-96-5	Manganese	4370			P
7439-97-6	Mercury	0.72			CV
7440-02-0	Nickel	32.2		E	P
7440-09-7	Potassium	4710			P
7782-49-2	Selenium	0.65	U		P
7440-22-4	Silver	0.065	U		P
7440-23-5	Sodium	450		*	P
7440-28-0	Thallium	0.30	B		P
7440-62-2	Vanadium	22.6		E	P
7440-66-6	Zinc	994		E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-69-12-16-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-04

Level (low/med): MED Date Received: 05/30/2015

% Solids: 79.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12300		*	P
7440-36-0	Antimony	0.38	U	N	P
7440-38-2	Arsenic	7.0		N*E	P
7440-39-3	Barium	78.0			P
7440-41-7	Beryllium	0.65		*	P
7440-43-9	Cadmium	0.45		N*E	P
7440-70-2	Calcium	36300		*	P
7440-47-3	Chromium	19.0		*	P
7440-48-4	Cobalt	11.9		E	P
7440-50-8	Copper	33.6			P
7439-89-6	Iron	30200		*	P
7439-92-1	Lead	14.7		*E	P
7439-95-4	Magnesium	12800		*	P
7439-96-5	Manganese	452			P
7439-97-6	Mercury	0.0074	B		CV
7440-02-0	Nickel	31.1		E	P
7440-09-7	Potassium	1580			P
7782-49-2	Selenium	2.4			P
7440-22-4	Silver	0.064	U		P
7440-23-5	Sodium	136		*	P
7440-28-0	Thallium	0.22	U		P
7440-62-2	Vanadium	25.3		E	P
7440-66-6	Zinc	78.2		E	P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-69-16-20-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-06

Level (low/med): MED Date Received: 05/30/2015

% Solids: 76.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15300		*	P
7440-36-0	Antimony	0.35	U	N	P
7440-38-2	Arsenic	10.1		N*E	P
7440-39-3	Barium	96.9			P
7440-41-7	Beryllium	0.76		*	P
7440-43-9	Cadmium	0.65		N*E	P
7440-70-2	Calcium	30200		*	P
7440-47-3	Chromium	24.0		*	P
7440-48-4	Cobalt	20.3		E	P
7440-50-8	Copper	38.7			P
7439-89-6	Iron	34500		*	P
7439-92-1	Lead	19.9		*E	P
7439-95-4	Magnesium	14100		*	P
7439-96-5	Manganese	451			P
7439-97-6	Mercury	0.016	B		CV
7440-02-0	Nickel	38.6		E	P
7440-09-7	Potassium	2450			P
7782-49-2	Selenium	1.9			P
7440-22-4	Silver	0.059	U		P
7440-23-5	Sodium	176		*	P
7440-28-0	Thallium	0.20	U		P
7440-62-2	Vanadium	29.7		E	P
7440-66-6	Zinc	87.8		E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-69-4-8-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-02

Level (low/med): MED Date Received: 05/30/2015

% Solids: 67.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7720		*	P
7440-36-0	Antimony	0.38	U	N	P
7440-38-2	Arsenic	25.6		N*E	P
7440-39-3	Barium	93.6			P
7440-41-7	Beryllium	1.5		*	P
7440-43-9	Cadmium	10.3		N*E	P
7440-70-2	Calcium	51800		*	P
7440-47-3	Chromium	127		*	P
7440-48-4	Cobalt	19.0		E	P
7440-50-8	Copper	202			P
7439-89-6	Iron	189000		*	P
7439-92-1	Lead	496		*E	P
7439-95-4	Magnesium	8380		*	P
7439-96-5	Manganese	4920			P
7439-97-6	Mercury	0.21			CV
7440-02-0	Nickel	568		E	P
7440-09-7	Potassium	2550			P
7782-49-2	Selenium	0.64	U		P
7440-22-4	Silver	0.064	U		P
7440-23-5	Sodium	323		*	P
7440-28-0	Thallium	0.56	B		P
7440-62-2	Vanadium	26.2		E	P
7440-66-6	Zinc	1520		E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-69-8-12-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-03

Level (low/med): MED Date Received: 05/30/2015

% Solids: 63.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7590		*	P
7440-36-0	Antimony	0.43	U	N	P
7440-38-2	Arsenic	34.8		N*E	P
7440-39-3	Barium	87.9			P
7440-41-7	Beryllium	1.2		*	P
7440-43-9	Cadmium	6.0		N*E	P
7440-70-2	Calcium	54900		*	P
7440-47-3	Chromium	29.5		*	P
7440-48-4	Cobalt	7.6		E	P
7440-50-8	Copper	93.8			P
7439-89-6	Iron	128000		*	P
7439-92-1	Lead	243		*E	P
7439-95-4	Magnesium	8070		*	P
7439-96-5	Manganese	2650			P
7439-97-6	Mercury	0.074			CV
7440-02-0	Nickel	23.7		E	P
7440-09-7	Potassium	4950			P
7782-49-2	Selenium	2.8			P
7440-22-4	Silver	0.13	B		P
7440-23-5	Sodium	564		*	P
7440-28-0	Thallium	0.68	B		P
7440-62-2	Vanadium	28.4		E	P
7440-66-6	Zinc	983		E	P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET SB-70-0-4-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-40

Level (low/med): MED Date Received: 05/30/2015

% Solids: 83.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9860			P
7440-36-0	Antimony	0.26	U	N	P
7440-38-2	Arsenic	15.9			P
7440-39-3	Barium	81.8			P
7440-41-7	Beryllium	2.3			P
7440-43-9	Cadmium	4.3			P
7440-70-2	Calcium	80700			P
7440-47-3	Chromium	18.6			P
7440-48-4	Cobalt	4.7			P
7440-50-8	Copper	57.8		E	P
7439-89-6	Iron	88800			P
7439-92-1	Lead	151			P
7439-95-4	Magnesium	20600			P
7439-96-5	Manganese	3470			P
7439-97-6	Mercury	0.17			CV
7440-02-0	Nickel	11.8			P
7440-09-7	Potassium	1590			P
7782-49-2	Selenium	1.0			P
7440-22-4	Silver	0.059	B		P
7440-23-5	Sodium	359		E	P
7440-28-0	Thallium	1.0			P
7440-62-2	Vanadium	15.0			P
7440-66-6	Zinc	723			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-70-12-16-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-43

Level (low/med): MED Date Received: 05/30/2015

% Solids: 77.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13000		*	P
7440-36-0	Antimony	0.39	U		P
7440-38-2	Arsenic	4.5			P
7440-39-3	Barium	106		*	P
7440-41-7	Beryllium	0.77		*	P
7440-43-9	Cadmium	0.31			P
7440-70-2	Calcium	16200		*	P
7440-47-3	Chromium	19.5		*	P
7440-48-4	Cobalt	13.5			P
7440-50-8	Copper	29.1		*	P
7439-89-6	Iron	24500		*	P
7439-92-1	Lead	18.1		*	P
7439-95-4	Magnesium	10900		*	P
7439-96-5	Manganese	478		*	P
7439-97-6	Mercury	0.020	B		CV
7440-02-0	Nickel	34.1		*	P
7440-09-7	Potassium	1850		*	P
7782-49-2	Selenium	0.66	U		P
7440-22-4	Silver	0.066	U		P
7440-23-5	Sodium	298		*E	P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	22.7		*	P
7440-66-6	Zinc	83.0		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-70-16-20-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-44

Level (low/med): MED Date Received: 05/30/2015

% Solids: 80.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14200		*	P
7440-36-0	Antimony	0.32	U		P
7440-38-2	Arsenic	9.1			P
7440-39-3	Barium	109		*	P
7440-41-7	Beryllium	0.76		*	P
7440-43-9	Cadmium	0.50			P
7440-70-2	Calcium	29000		*	P
7440-47-3	Chromium	21.9		*	P
7440-48-4	Cobalt	13.7			P
7440-50-8	Copper	33.2		*	P
7439-89-6	Iron	34100		*	P
7439-92-1	Lead	16.1		*	P
7439-95-4	Magnesium	13300		*	P
7439-96-5	Manganese	540		*	P
7439-97-6	Mercury	0.014	B		CV
7440-02-0	Nickel	31.8		*	P
7440-09-7	Potassium	2180		*	P
7782-49-2	Selenium	0.54	U		P
7440-22-4	Silver	0.054	U		P
7440-23-5	Sodium	180		*E	P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	28.0		*	P
7440-66-6	Zinc	74.8		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-70-4-8-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-41

Level (low/med): MED Date Received: 05/30/2015

% Solids: 74.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12000		*	P
7440-36-0	Antimony	0.92			P
7440-38-2	Arsenic	16.3			P
7440-39-3	Barium	122		*	P
7440-41-7	Beryllium	2.4		*	P
7440-43-9	Cadmium	6.4			P
7440-70-2	Calcium	61300		*	P
7440-47-3	Chromium	52.7		*	P
7440-48-4	Cobalt	6.9			P
7440-50-8	Copper	88.1		*	P
7439-89-6	Iron	108000		*	P
7439-92-1	Lead	197		*	P
7439-95-4	Magnesium	16200		*	P
7439-96-5	Manganese	3540		*	P
7439-97-6	Mercury	0.86			CV
7440-02-0	Nickel	32.2		*	P
7440-09-7	Potassium	2850		*	P
7782-49-2	Selenium	0.46	U		P
7440-22-4	Silver	0.046	U		P
7440-23-5	Sodium	1050		*E	P
7440-28-0	Thallium	0.16	U		P
7440-62-2	Vanadium	25.7		*	P
7440-66-6	Zinc	659		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-71-0-4-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-45

Level (low/med): MED Date Received: 05/30/2015

% Solids: 84.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12200		*	P
7440-36-0	Antimony	0.27	U		P
7440-38-2	Arsenic	12.4			P
7440-39-3	Barium	115		*	P
7440-41-7	Beryllium	2.3		*	P
7440-43-9	Cadmium	3.5			P
7440-70-2	Calcium	76100		*	P
7440-47-3	Chromium	30.6		*	P
7440-48-4	Cobalt	5.0			P
7440-50-8	Copper	141		*	P
7439-89-6	Iron	79000		*	P
7439-92-1	Lead	254		*	P
7439-95-4	Magnesium	11100		*	P
7439-96-5	Manganese	3670		*	P
7439-97-6	Mercury	0.0013			CV
7440-02-0	Nickel	25.4		*	P
7440-09-7	Potassium	2220		*	P
7782-49-2	Selenium	0.46	U		P
7440-22-4	Silver	0.45	B		P
7440-23-5	Sodium	431		*E	P
7440-28-0	Thallium	1.6			P
7440-62-2	Vanadium	17.3		*	P
7440-66-6	Zinc	560		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-71-12-16-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-50

Level (low/med): MED Date Received: 05/30/2015

% Solids: 79.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13300		*	P
7440-36-0	Antimony	0.36	U		P
7440-38-2	Arsenic	8.0			P
7440-39-3	Barium	164		*	P
7440-41-7	Beryllium	0.76		*	P
7440-43-9	Cadmium	0.46			P
7440-70-2	Calcium	47800		*	P
7440-47-3	Chromium	20.0		*	P
7440-48-4	Cobalt	12.1			P
7440-50-8	Copper	33.2		*	P
7439-89-6	Iron	29100		*	P
7439-92-1	Lead	17.0		*	P
7439-95-4	Magnesium	12400		*	P
7439-96-5	Manganese	327		*	P
7439-97-6	Mercury	0.015	B		CV
7440-02-0	Nickel	33.4		*	P
7440-09-7	Potassium	1390		*	P
7782-49-2	Selenium	0.61	U		P
7440-22-4	Silver	0.061	U		P
7440-23-5	Sodium	312		*E	P
7440-28-0	Thallium	0.21	U		P
7440-62-2	Vanadium	26.7		*	P
7440-66-6	Zinc	80.9		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-71-16-20-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-51

Level (low/med): MED Date Received: 05/30/2015

% Solids: 82.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11900		*	P
7440-36-0	Antimony	0.44	U		P
7440-38-2	Arsenic	3.8			P
7440-39-3	Barium	136		*	P
7440-41-7	Beryllium	0.61		*	P
7440-43-9	Cadmium	0.29			P
7440-70-2	Calcium	43300		*	P
7440-47-3	Chromium	18.8		*	P
7440-48-4	Cobalt	10.9			P
7440-50-8	Copper	29.5		*	P
7439-89-6	Iron	20900		*	P
7439-92-1	Lead	16.9		*	P
7439-95-4	Magnesium	15700		*	P
7439-96-5	Manganese	548		*	P
7439-97-6	Mercury	0.0083	B		CV
7440-02-0	Nickel	27.5		*	P
7440-09-7	Potassium	1910		*	P
7782-49-2	Selenium	0.95	B		P
7440-22-4	Silver	0.074	U		P
7440-23-5	Sodium	193		*E	P
7440-28-0	Thallium	0.25	U		P
7440-62-2	Vanadium	25.1		*	P
7440-66-6	Zinc	71.6		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-71-4-8-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-47

Level (low/med): MED Date Received: 05/30/2015

% Solids: 80.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12300		*	P
7440-36-0	Antimony	0.97			P
7440-38-2	Arsenic	27.1			P
7440-39-3	Barium	85.7		*	P
7440-41-7	Beryllium	2.6		*	P
7440-43-9	Cadmium	6.2			P
7440-70-2	Calcium	76600		*	P
7440-47-3	Chromium	25.1		*	P
7440-48-4	Cobalt	6.5			P
7440-50-8	Copper	75.3		*	P
7439-89-6	Iron	113000		*	P
7439-92-1	Lead	307		*	P
7439-95-4	Magnesium	15000		*	P
7439-96-5	Manganese	2290		*	P
7439-97-6	Mercury	0.048	B		CV
7440-02-0	Nickel	22.1		*	P
7440-09-7	Potassium	1140		*	P
7782-49-2	Selenium	0.44	U		P
7440-22-4	Silver	0.61	B		P
7440-23-5	Sodium	538		*E	P
7440-28-0	Thallium	0.41	B		P
7440-62-2	Vanadium	26.3		*	P
7440-66-6	Zinc	1140		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-71-8-12-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-49

Level (low/med): MED Date Received: 05/30/2015

% Solids: 77.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7160		*	P
7440-36-0	Antimony	0.37	U		P
7440-38-2	Arsenic	43.7			P
7440-39-3	Barium	66.3		*	P
7440-41-7	Beryllium	1.7		*	P
7440-43-9	Cadmium	10.0			P
7440-70-2	Calcium	45300		*	P
7440-47-3	Chromium	74.4		*	P
7440-48-4	Cobalt	13.3			P
7440-50-8	Copper	163		*	P
7439-89-6	Iron	201000		*	P
7439-92-1	Lead	379		*	P
7439-95-4	Magnesium	7770		*	P
7439-96-5	Manganese	3550		*	P
7439-97-6	Mercury	0.029	B		CV
7440-02-0	Nickel	70.4		*	P
7440-09-7	Potassium	1450		*	P
7782-49-2	Selenium	0.63	U		P
7440-22-4	Silver	0.26	B		P
7440-23-5	Sodium	617		*E	P
7440-28-0	Thallium	0.22	U		P
7440-62-2	Vanadium	42.8		*	P
7440-66-6	Zinc	1320		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-72-0-4-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-52

Level (low/med): MED Date Received: 05/30/2015

% Solids: 83.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9230		*	P
7440-36-0	Antimony	0.35	U		P
7440-38-2	Arsenic	11.4			P
7440-39-3	Barium	109		*	P
7440-41-7	Beryllium	1.5		*	P
7440-43-9	Cadmium	5.7			P
7440-70-2	Calcium	49100		*	P
7440-47-3	Chromium	88.7		*	P
7440-48-4	Cobalt	8.9			P
7440-50-8	Copper	240		*	P
7439-89-6	Iron	137000		*	P
7439-92-1	Lead	363		*	P
7439-95-4	Magnesium	11200		*	P
7439-96-5	Manganese	3340		*	P
7439-97-6	Mercury	0.12			CV
7440-02-0	Nickel	47.7		*	P
7440-09-7	Potassium	1280		*	P
7782-49-2	Selenium	0.59	U		P
7440-22-4	Silver	0.059	U		P
7440-23-5	Sodium	368		*E	P
7440-28-0	Thallium	0.20	U		P
7440-62-2	Vanadium	22.1		*	P
7440-66-6	Zinc	601		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-72-4-8-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-53

Level (low/med): MED Date Received: 05/30/2015

% Solids: 73.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7580		*	P
7440-36-0	Antimony	0.41	U		P
7440-38-2	Arsenic	15.2			P
7440-39-3	Barium	104		*	P
7440-41-7	Beryllium	1.4		*	P
7440-43-9	Cadmium	8.0			P
7440-70-2	Calcium	45200		*	P
7440-47-3	Chromium	63.9		*	P
7440-48-4	Cobalt	11.1			P
7440-50-8	Copper	160		*	P
7439-89-6	Iron	186000		*	P
7439-92-1	Lead	324		*	P
7439-95-4	Magnesium	10800		*	P
7439-96-5	Manganese	6550		*	P
7439-97-6	Mercury	0.13			CV
7440-02-0	Nickel	30.0		*	P
7440-09-7	Potassium	1940		*	P
7782-49-2	Selenium	0.69	U		P
7440-22-4	Silver	0.61	B		P
7440-23-5	Sodium	1360		*E	P
7440-28-0	Thallium	0.24	U		P
7440-62-2	Vanadium	27.3		*	P
7440-66-6	Zinc	713		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-72-8-12-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-54

Level (low/med): MED Date Received: 05/30/2015

% Solids: 79.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6390		*	P
7440-36-0	Antimony	0.40	U		P
7440-38-2	Arsenic	3.6			P
7440-39-3	Barium	20.2		*	P
7440-41-7	Beryllium	0.13	B	*	P
7440-43-9	Cadmium	0.079	B		P
7440-70-2	Calcium	2010		*	P
7440-47-3	Chromium	8.5		*	P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	5.6		*	P
7439-89-6	Iron	11800		*	P
7439-92-1	Lead	12.8		*	P
7439-95-4	Magnesium	425		*	P
7439-96-5	Manganese	148		*	P
7439-97-6	Mercury	0.0077	B		CV
7440-02-0	Nickel	5.8		*	P
7440-09-7	Potassium	1380		*	P
7782-49-2	Selenium	0.67	U		P
7440-22-4	Silver	0.067	U		P
7440-23-5	Sodium	910		*E	P
7440-28-0	Thallium	0.23	U		P
7440-62-2	Vanadium	7.9		*	P
7440-66-6	Zinc	19.6		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-73-0-4-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-55

Level (low/med): MED Date Received: 05/30/2015

% Solids: 87.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	507		*	P
7440-36-0	Antimony	0.36	U		P
7440-38-2	Arsenic	3.2			P
7440-39-3	Barium	12.3		*	P
7440-41-7	Beryllium	0.14	B	*	P
7440-43-9	Cadmium	0.56			P
7440-70-2	Calcium	1350		*	P
7440-47-3	Chromium	22.3		*	P
7440-48-4	Cobalt	4.5			P
7440-50-8	Copper	25.1		*	P
7439-89-6	Iron	46000		*	P
7439-92-1	Lead	28.8		*	P
7439-95-4	Magnesium	92.3		*	P
7439-96-5	Manganese	1290		*	P
7439-97-6	Mercury	0.037	B		CV
7440-02-0	Nickel	13.1		*	P
7440-09-7	Potassium	43.5	B	*	P
7782-49-2	Selenium	0.66	B		P
7440-22-4	Silver	0.40	B		P
7440-23-5	Sodium	10.8	B	*E	P
7440-28-0	Thallium	1.1			P
7440-62-2	Vanadium	5.1		*	P
7440-66-6	Zinc	92.2		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-73-4-8-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-56

Level (low/med): MED Date Received: 05/30/2015

% Solids: 55.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14300		*	P
7440-36-0	Antimony	0.44	U		P
7440-38-2	Arsenic	35.7			P
7440-39-3	Barium	153		*	P
7440-41-7	Beryllium	2.5		*	P
7440-43-9	Cadmium	9.1			P
7440-70-2	Calcium	59700		*	P
7440-47-3	Chromium	32.8		*	P
7440-48-4	Cobalt	11.3			P
7440-50-8	Copper	132		*	P
7439-89-6	Iron	182000		*	P
7439-92-1	Lead	195		*	P
7439-95-4	Magnesium	3800		*	P
7439-96-5	Manganese	2620		*	P
7439-97-6	Mercury	0.057	B		CV
7440-02-0	Nickel	25.3		*	P
7440-09-7	Potassium	6780		*	P
7782-49-2	Selenium	0.73	U		P
7440-22-4	Silver	0.073	U		P
7440-23-5	Sodium	923		*E	P
7440-28-0	Thallium	0.25	U		P
7440-62-2	Vanadium	40.5		*	P
7440-66-6	Zinc	1000		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-73-8-12-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-57

Level (low/med): MED Date Received: 05/30/2015

% Solids: 83.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2050		*	P
7440-36-0	Antimony	0.27	U		P
7440-38-2	Arsenic	1.3			P
7440-39-3	Barium	25.1		*	P
7440-41-7	Beryllium	0.14	B	*	P
7440-43-9	Cadmium	0.011	U		P
7440-70-2	Calcium	1700		*	P
7440-47-3	Chromium	3.2		*	P
7440-48-4	Cobalt	2.0			P
7440-50-8	Copper	3.1		*	P
7439-89-6	Iron	2950		*	P
7439-92-1	Lead	3.8		*	P
7439-95-4	Magnesium	632		*	P
7439-96-5	Manganese	34.0		*	P
7439-97-6	Mercury	0.012	B		CV
7440-02-0	Nickel	4.0		*	P
7440-09-7	Potassium	468		*	P
7782-49-2	Selenium	0.46	U		P
7440-22-4	Silver	0.046	U		P
7440-23-5	Sodium	58.7		*E	P
7440-28-0	Thallium	0.16	U		P
7440-62-2	Vanadium	4.9		*	P
7440-66-6	Zinc	15.4		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-DUP-06-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-46

Level (low/med): MED Date Received: 05/30/2015

% Solids: 77.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7430		*	P
7440-36-0	Antimony	0.32	U		P
7440-38-2	Arsenic	16.5			P
7440-39-3	Barium	99.1		*	P
7440-41-7	Beryllium	1.4		*	P
7440-43-9	Cadmium	6.2			P
7440-70-2	Calcium	40500		*	P
7440-47-3	Chromium	53.1		*	P
7440-48-4	Cobalt	8.0			P
7440-50-8	Copper	171		*	P
7439-89-6	Iron	134000		*	P
7439-92-1	Lead	440		*	P
7439-95-4	Magnesium	8230		*	P
7439-96-5	Manganese	3390		*	P
7439-97-6	Mercury	0.016	B		CV
7440-02-0	Nickel	36.2		*	P
7440-09-7	Potassium	1940		*	P
7782-49-2	Selenium	0.55	U		P
7440-22-4	Silver	0.83	B		P
7440-23-5	Sodium	278		*E	P
7440-28-0	Thallium	1.4			P
7440-62-2	Vanadium	23.6		*	P
7440-66-6	Zinc	815		*E	P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SB-DUP-07-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Lab Sample ID: P0990-48

Level (low/med): MED Date Received: 05/30/2015

% Solids: 83.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8230		*	P
7440-36-0	Antimony	0.49	B		P
7440-38-2	Arsenic	25.9			P
7440-39-3	Barium	81.5		*	P
7440-41-7	Beryllium	1.5		*	P
7440-43-9	Cadmium	5.6			P
7440-70-2	Calcium	38300		*	P
7440-47-3	Chromium	30.4		*	P
7440-48-4	Cobalt	7.8			P
7440-50-8	Copper	108		*	P
7439-89-6	Iron	131000		*	P
7439-92-1	Lead	266		*	P
7439-95-4	Magnesium	7680		*	P
7439-96-5	Manganese	2020		*	P
7439-97-6	Mercury	0.031	B		CV
7440-02-0	Nickel	67.9		*	P
7440-09-7	Potassium	1230		*	P
7782-49-2	Selenium	0.59	U		P
7440-22-4	Silver	0.88	B		P
7440-23-5	Sodium	460		*E	P
7440-28-0	Thallium	0.20	U		P
7440-62-2	Vanadium	28.7		*	P
7440-66-6	Zinc	1030		*E	P

Comments:

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82404

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	425.0		364	546.0	93.4
Antimony				22.8	22.8		18.2	27.3	100.0
Arsenic				22.8	22.5		18.2	27.3	98.7
Barium				455.0	450.7		364	546.0	99.1
Beryllium				11.4	10.9		9.1	13.6	95.6
Cadmium				11.4	11.2		9.1	13.6	98.2
Calcium				1135.0	1056.5		908	1362.0	93.1
Chromium				45.5	45.0		36.4	54.6	98.9
Cobalt				113.5	109.6		90.8	136.2	96.6
Copper				56.5	55.6		45.2	67.8	98.4
Iron				227.5	228.8		182	273.0	100.6
Lead				22.8	22.5		18.2	27.3	98.7
Magnesium				1135.0	1100.2		908	1362.0	96.9
Manganese				113.5	111.6		90.8	136.2	98.3
Nickel				113.5	109.7		90.8	136.2	96.7
Potassium				1135.0	1124.1		908	1362.0	99.0
Selenium				22.8	20.8		18.2	27.3	91.2
Silver				56.5	56.8		42.4	67.8	100.5
Sodium				1135.0	1111.2		908	1362.0	97.9
Thallium				22.8	22.3		18.2	27.3	97.8
Vanadium				113.5	111.6		90.8	136.2	98.3
Zinc				113.5	108.2		90.8	136.2	95.3

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82405

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	426.2		364	546.0	93.7
Antimony				22.8	22.6		18.2	27.3	99.1
Arsenic				22.8	22.4		18.2	27.3	98.2
Barium				455.0	452.3		364	546.0	99.4
Beryllium				11.4	10.9		9.1	13.6	95.6
Cadmium				11.4	11.3		9.1	13.6	99.1
Calcium				1135.0	1065.0		908	1362.0	93.8
Chromium				45.5	45.3		36.4	54.6	99.6
Cobalt				113.5	110.8		90.8	136.2	97.6
Copper				56.5	55.7		45.2	67.8	98.6
Iron				227.5	230.3		182	273.0	101.2
Lead				22.8	22.9		18.2	27.3	100.4
Magnesium				1135.0	1113.7		908	1362.0	98.1
Manganese				113.5	112.3		90.8	136.2	98.9
Nickel				113.5	110.4		90.8	136.2	97.3
Potassium				1135.0	1169.1		908	1362.0	103.0
Selenium				22.8	21.2		18.2	27.3	93.0
Silver				56.5	57.2		42.4	67.8	101.2
Sodium				1135.0	1085.4		908	1362.0	95.6
Thallium				22.8	22.5		18.2	27.3	98.7
Vanadium				113.5	112.1		90.8	136.2	98.8
Zinc				113.5	108.2		90.8	136.2	95.3

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82406

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				455.0	437.0		364	546.0	96.0
Antimony				22.8	22.9		18.2	27.3	100.4
Arsenic				22.8	22.5		18.2	27.3	98.7
Barium				455.0	461.7		364	546.0	101.5
Beryllium				11.4	11.2		9.1	13.6	98.2
Cadmium				11.4	11.4		9.1	13.6	100.0
Calcium				1135.0	1046.6		908	1362.0	92.2
Chromium				45.5	45.8		36.4	54.6	100.7
Cobalt				113.5	111.8		90.8	136.2	98.5
Copper				56.5	57.0		45.2	67.8	100.9
Iron				227.5	231.2		182	273.0	101.6
Lead				22.8	22.8		18.2	27.3	100.0
Magnesium				1135.0	1127.0		908	1362.0	99.3
Manganese				113.5	114.7		90.8	136.2	101.1
Nickel				113.5	111.8		90.8	136.2	98.5
Potassium				1135.0	1130.1		908	1362.0	99.6
Selenium				22.8	20.9		18.2	27.3	91.7
Silver				56.5	59.1		42.4	67.8	104.6
Sodium				1135.0	1143.3		908	1362.0	100.7
Thallium				22.8	22.9		18.2	27.3	100.4
Vanadium				113.5	114.2		90.8	136.2	100.6
Zinc				113.5	110.1		90.8	136.2	97.0

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82409

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury				0.8	0.8		0.6	0.9	100.0

7

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82410

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury				0.8	0.8		0.6	0.9	100.0

LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82411

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury				0.8	0.7		0.6	0.9	87.5

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-65-4-8-052815S

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 63.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	16.2		0.49	U	25.9	63	N	P
Arsenic	75-125	36.2		18.0		25.9	71	N	P
Barium	75-125	618		176		518	85		P
Beryllium	75-125	15.5		3.3		12.9	94		P
Cadmium	75-125	13.5		5.5		12.9	62	N	P
Chromium	75-125	77.1		26.0		51.8	99		P
Cobalt	75-125	117		7.0		129	85		P
Copper	75-125	164		114		64.3	78		P
Lead		463		363		25.9	383		P
Nickel	75-125	123		16.5		129	82		P
Selenium	75-125	28.0		7.0		25.9	81		P
Silver	75-125	68.5		0.082	U	64.3	107		P
Thallium	75-125	22.4		0.28	U	25.9	87		P
Vanadium	75-125	136		24.6		129	86		P
Zinc		2090		869		129	945		P

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-67-12-16-052815S

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 77.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75-125	1.1		0.0092	B	1.2	95		CV

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-67-8-12-052815S

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 60.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	21.3		0.46	U	29.2	73	N	P
Arsenic	75-125	39.8		10.9		29.2	99		P
Barium	75-125	602		37.5		583	97		P
Beryllium	75-125	14.0		0.32		14.5	94		P
Cadmium	75-125	13.9		0.20	B	14.5	94		P
Chromium	75-125	61.6		4.7		58.3	98		P
Cobalt	75-125	146		3.5		145	98		P
Copper	75-125	86.6		12.5		72.4	102		P
Lead	75-125	34.4		5.0		29.2	101		P
Nickel	75-125	152		11.4		145	97		P
Selenium	75-125	26.8		1.2	B	29.2	88		P
Silver	75-125	70.8		0.077	U	72.4	98		P
Thallium	75-125	26.7		0.26	U	29.2	92		P
Vanadium	75-125	147		7.1		145	96		P
Zinc	75-125	166		20.0		145	101		P
Mercury	75-125	1.2		0.0042	B	1.5	82		CV

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-73-8-12-052915S

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 83.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	21.5		0.27	U	24.6	87		P
Arsenic	75-125	28.0		1.3		24.6	109		P
Barium	75-125	536		25.1		492	104		P
Beryllium	75-125	12.4		0.14	B	12.3	100		P
Cadmium	75-125	12.6		0.011	U	12.3	103		P
Chromium	75-125	55.1		3.2		49.2	105		P
Cobalt	75-125	130		2.0		123	104		P
Copper	75-125	66.0		3.1		61.1	103		P
Lead	75-125	29.3		3.8		24.6	104		P
Nickel	75-125	130		4.0		123	103		P
Selenium	75-125	23.9		0.46	U	24.6	97		P
Silver	75-125	65.8		0.046	U	61.1	108		P
Thallium	75-125	24.6		0.16	U	24.6	100		P
Vanadium	75-125	130		4.9		123	102		P
Zinc	75-125	136		15.4		123	98		P
Mercury	75-125	0.92		0.012	B	1.1	85		CV

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-65-4-8-052815A

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		452.59		0.38	U	455.0	100		P
Arsenic		733.02		279.04		455.0	100		P
Cadmium		278.78		85.78		227.5	85		P

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SB-67-8-12-052815A

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		435.51		0.38	U	455.0	96		P

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

SB-65-4-8-052815D

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 63.2 % Solids for Duplicate: 63.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		15678.3316		20799.0174		28.1	*	P
Antimony		0.4900	U	0.4200	U			P
Arsenic		17.9518		13.9283		25.2	*	P
Barium		175.8709		193.5126		9.6		P
Beryllium		3.2590		4.3970		29.7	*	P
Cadmium		5.5187		4.4724		20.9	*	P
Calcium		96945.0874		130122.6643		29.2	*	P
Chromium		26.0339		32.8474		23.1	*	P
Cobalt	3.2	7.0334		6.0811		14.5		P
Copper		114.1285		114.3949		0.2		P
Iron		141905.2065		109178.2112		26.1	*	P
Lead		363.3506		539.2365		39	*	P
Magnesium		19877.8790		31617.5982		45.6	*	P
Manganese		3103.7930		3723.2793		18.1		P
Nickel		16.5405		18.0079		8.5		P
Potassium		4462.2619		4236.0715		5.2		P
Selenium	1.9	7.0235		5.7951		19.2		P
Silver		0.0820	U	0.0710	U			P
Sodium		432.9043		552.8995		24.3	*	P
Thallium		0.2800	U	0.8261	B	200		P
Vanadium		24.6198		20.7180		17.2		P
Zinc		869.0064		785.5460		10.1		P

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

SB-67-12-16-052815D

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 77.0 % Solids for Duplicate: 77.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.0092	B	0.0063	B	37.4		CV

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

SB-67-8-12-052815D

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 60.5 % Solids for Duplicate: 60.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		2818.9767		2560.5049		9.6		P
Antimony		0.4600	U	0.4700	U			P
Arsenic		10.9324		9.4584		14.5		P
Barium	12.0	37.4758		32.8547		13.1		P
Beryllium	0.3	0.3162		0.2762	B	13.5		P
Cadmium		0.1966	B	0.1442	B	30.8		P
Calcium		5673.5100		4993.7094		12.7		P
Chromium	1.2	4.7058		4.2411		10.4		P
Cobalt	3.0	3.4533		3.0196	B	13.4		P
Copper		12.5482		11.0482		12.7		P
Iron		5424.5345		5708.9296		5.1		P
Lead		5.0253		4.3730		13.9		P
Magnesium		1332.4398		1176.8848		12.4		P
Manganese		115.5431		103.5307		11		P
Nickel	3.0	11.3852		10.4195		8.9		P
Potassium		1835.6012		1725.5741		6.2		P
Selenium		1.2094	B	1.7109	B	34.3		P
Silver		0.0770	U	0.0790	U			P
Sodium		371.8821		357.6173		3.9		P
Thallium		0.2600	U	0.2700	U			P
Vanadium	3.0	7.1132		6.6011		7.5		P
Zinc		19.9521		17.6178		12.4		P
Mercury		0.0079	B	0.0064	B	21		CV

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

SB-73-8-12-052915D

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 83.3 % Solids for Duplicate: 83.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		2047.5713		6033.5512		98.6	*	P
Antimony		0.2700	U	0.2700	U			P
Arsenic	0.7	1.3285		2.0176		41.2		P
Barium	7.2	25.0744		62.7712		85.8	*	P
Beryllium	0.2	0.1351	B	0.3334		84.7	*	P
Cadmium		0.0110	U	0.1502	B	200		P
Calcium		1696.8698		4290.5431		86.6	*	P
Chromium	0.7	3.2178		8.9740		94.4	*	P
Cobalt	1.8	1.9799		3.5018		55.5		P
Copper	1.1	3.1025		8.7225		95.1	*	P
Iron		2954.1946		7324.8668		85	*	P
Lead		3.8139		7.9096		69.9	*	P
Magnesium		632.2011		1735.5681		93.2	*	P
Manganese		33.9730		128.0230		116.1	*	P
Nickel	1.8	3.9928		9.1349		78.3	*	P
Potassium		468.1578		1485.6373		104.2	*	P
Selenium		0.4600	U	0.4600	U			P
Silver		0.0460	U	0.0460	U			P
Sodium	36.0	58.7450		128.7403		74.7	*	P
Thallium		0.1600	U	0.1600	U			P
Vanadium	1.8	4.8766		7.8351		46.5	*	P
Zinc		15.3878		51.6545		108.2	*	P
Mercury		0.0121	B	0.0139	B	13.8		CV

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-82409**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

FIMS2_150609A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	06/09/15 15:16	C	06/09/15 15:34	C	06/09/15 15:47	C		C	M
Mercury	0.028	U	0.028	U	-0.031	B	0.028	U	0.002	U	CV

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-82410**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

FIMS2_150609B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	06/09/15 16:23	C	06/09/15 16:41	C	06/09/15 16:55	C		C	M
Mercury	0.028	U	0.028	U	0.028	U	0.028	U	0.002	U	CV

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-82411**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

FIMS2_150609C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	06/09/15 17:27	C	06/09/15 17:41	C		C		C	M
Mercury	0.028	U	0.028	U	0.033	B			0.003	B	CV

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

FIMS2_150609D

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	06/09/15 18:00	C		C		C		C	M
Mercury	0.038	B	0.028	U							CV

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-82404**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_150610C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/10/15 14:10	C	06/10/15 14:44	C	06/10/15 15:24	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	1.598	B	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic	4.3	U	5.6	B	4.3	U	4.3	U	0.410	U	P
Barium	2.1	B	2.2	B	2.8	B	1.1	U	0.076	B	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.019	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.130	B	P
Iron	31.0	U	31.0	U	57.1	B	31.0	U	2.888	B	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.170	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	2.595	B	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.130	U	P
Nickel	0.9	U	0.8	U	1.2	B	0.8	U	0.043	U	P
Potassium	103.0	B	134.5	B	76.0	U	76.0	U	3.400	U	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	0.640	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	29.0	U	-50.2	B	-136.6	B	-267.7	B	1.100	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.2	B	1.1	U	1.1	U	0.060	U	P
Zinc	4.9	U	4.9	U	7.1	B	4.9	U	0.180	U	P

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-82405**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_150610C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/10/15 16:17	C	06/10/15 16:59	C	06/10/15 17:39	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U	1.200	U	P
Antimony			9.3	U	9.3	U	9.3	U	0.380	U	P
Arsenic			5.3	B	4.3	U	4.3	U	0.410	U	P
Barium			2.4	B	1.4	B	2.7	B	0.072	B	P
Beryllium			0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium			0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium			110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium			0.6	U	0.6	U	0.6	U	0.019	U	P
Cobalt			0.7	U	0.7	U	0.7	U	0.044	U	P
Copper			3.6	U	3.6	U	3.6	U	0.110	U	P
Iron			31.0	U	31.0	U	31.0	U	1.500	U	P
Lead			4.2	U	4.2	U	4.2	U	0.380	B	P
Magnesium			76.0	U	76.0	U	76.0	U	0.630	U	P
Manganese			10.0	U	10.0	U	10.0	U	0.176	B	P
Nickel			0.8	U	0.8	U	0.8	U	0.043	U	P
Potassium			76.0	U	76.0	U	76.0	U	3.400	U	P
Selenium			12.0	U	12.0	U	-12.0	B	0.640	U	P
Silver			6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium			-233.3	B	-257.1	B	-262.8	B	1.100	U	P
Thallium			6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium			1.2	B	1.1	U	1.1	B	0.060	U	P
Zinc			4.9	U	4.9	U	4.9	U	0.534	B	P

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_150610C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/10/15 18:20	C	06/10/15 18:53	C	06/10/15 19:26	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.3	U	4.3	U			P
Barium			1.9	B	2.3	B	2.2	B			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	110.0	U	110.0	U			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	U	0.7	U	0.7	U			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			31.0	U	31.0	U	31.0	U			P
Lead			4.2	U	4.2	U	4.2	U			P
Magnesium			76.0	U	76.0	U	76.0	U			P
Manganese			10.0	U	10.0	U	10.0	U			P
Nickel			0.8	U	0.9	B	0.8	U			P
Potassium			76.0	U	76.0	U	76.0	U			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			-296.9	B	-267.9	B	-290.0	B			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.1	U	1.2	B	1.1	U			P
Zinc			4.9	U	10.3	B	4.9	U			P

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_150610C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/10/15 20:01	C	06/10/15 20:40	C	06/10/15 21:19	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U			P
Antimony			9.3	U	9.3	U	9.3	U			P
Arsenic			4.3	U	4.3	U	4.3	U			P
Barium			3.3	B	4.0	B	3.9	B			P
Beryllium			0.3	U	0.3	U	0.3	U			P
Cadmium			0.9	U	0.9	U	0.9	U			P
Calcium			110.0	U	259.7	B	362.8	B			P
Chromium			0.6	U	0.6	U	0.6	U			P
Cobalt			0.7	B	0.7	B	1.1	B			P
Copper			3.6	U	3.6	U	3.6	U			P
Iron			31.0	U							P
Lead			4.2	U	4.8	B	4.2	U			P
Magnesium			76.0	U	76.0	U	87.3	B			P
Manganese			10.0	U	11.6	B	13.9	B			P
Nickel			0.8	U	1.5	B	1.2	B			P
Potassium			76.0	U	76.0	U	79.0	B			P
Selenium			12.0	U	12.0	U	12.0	U			P
Silver			6.9	U	6.9	U	6.9	U			P
Sodium			-251.0	B	-244.3	B	-259.2	B			P
Thallium			6.2	U	6.2	U	6.2	U			P
Vanadium			1.5	B	1.5	B	1.5	B			P
Zinc			4.9	U							P

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_150611A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	06/11/15 8:33	C	06/11/15 9:07	C	06/11/15 9:41	C		C	M
Iron	31.0	U	31.0	U	31.0	U	31.0	U			P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U			P

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_150611A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	06/11/15 10:11	C	06/11/15 11:01	C		C		C	M
Iron			51.3	B	49.8	B					P
Zinc			5.4	B	26.4	B					P

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID: **MB-82406**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

OPTIMA3_150611C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/11/15 12:15	C	06/11/15 12:59	C	06/11/15 13:43	C	Preparation Blank	C	M
Aluminum	66.0	U	66.0	U	66.0	U	66.0	U	1.200	U	P
Antimony	9.3	U	9.3	U	9.3	U	9.3	U	0.494	B	P
Arsenic	4.3	U	4.3	U	4.3	U	4.3	U	0.410	U	P
Barium	1.9	B	1.1	B	1.6	B	1.8	B	0.248	B	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.002	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.015	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	6.100	U	P
Chromium	-1.1	B	-1.2	B	-1.3	B	-1.2	B	0.019	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	B	0.044	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	0.110	U	P
Iron	-31.8	B	31.0	U	31.0	U	-31.8	B	1.500	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	0.181	B	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	0.748	B	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	0.130	U	P
Nickel	-0.9	B	0.8	U	0.8	U	-1.2	B	0.043	U	P
Potassium	76.0	U	575.4	B	76.0	U	76.0	U	9.370	B	P
Selenium	12.0	U	-12.5	B	12.0	U	12.0	U	0.640	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	0.064	U	P
Sodium	40.8	B	42.9	B	-88.6	B	-83.8	B	2.322	B	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	0.220	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	B	0.060	U	P
Zinc	4.9	U	-6.5	B	-9.3	B	-11.0	B	0.899	B	P

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0990

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_150611C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/11/15 14:30	C	06/11/15 15:15	C		C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U					P
Antimony			9.3	U	9.3	U					P
Arsenic			4.3	U	4.3	U					P
Barium			1.1	U	4.7	B					P
Beryllium			0.3	U	0.3	U					P
Cadmium			0.9	U	0.9	U					P
Calcium			110.0	U	110.0	U					P
Chromium			-1.3	B	-0.9	B					P
Cobalt			0.7	U	1.1	B					P
Copper			3.6	U	3.6	U					P
Iron			31.0	U	31.0	U					P
Lead			4.2	U	4.2	U					P
Magnesium			76.0	U	76.0	U					P
Manganese			10.0	U	10.0	U					P
Nickel			0.8	U	0.8	U					P
Potassium			76.0	U	76.0	U					P
Selenium			12.0	U	12.0	U					P
Silver			6.9	U	6.9	U					P
Sodium			29.0	U	-61.8	B					P
Thallium			6.2	U	6.2	U					P
Vanadium			1.1	U	1.6	B					P
Zinc			-5.2	B	-8.6	B					P

* Wet Chemistry *

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC08357

Client: Spectrum Analytical, Inc. - North Kingstown, RI

Project: Buffalo Lakeside / P0990

SDG #: 08357

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 9012B.

IV. PREPARATION

Soil/Sediment samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 9012B:

Lachat2 details: Lachat Quikchem 8000

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1511336 from source sample SB-68-4-8-052815 (SC08357-10).

In batch 1511406 from source sample SB-67-8-12-052815 (SC08357-25).

In batch 1511455 from source sample SB-63-16-20-052815 (SC08357-39).

In batch 1511509 from source sample SB-71-16-20-052915 (SC08357-51).

In batch 1511554 from source sample SB-73-0-4-052915 (SC08357-55).

All method criteria were met with the following exceptions:

Cyanide (total) in batch 1511336, lab sample 1511336-MS1 from source sample SB-68-4-8-052815 (SC08357-10): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

All method criteria were met.

3. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1511336 from source sample SB-68-4-8-052815 (SC08357-10).

In batch 1511406 from source sample SB-67-8-12-052815 (SC08357-25).

In batch 1511455 from source sample SB-63-16-20-052815 (SC08357-39).

In batch 1511509 from source sample SB-71-16-20-052915 (SC08357-51).

In batch 1511554 from source sample SB-73-0-4-052915 (SC08357-55).

All method criteria were met.

E. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC08357

Client: Spectrum Analytical, Inc. - North Kingstown, RI

Project: Buffalo Lakeside / P0990

SDG #: 08357

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 Ch 7.3.

IV. PREPARATION

Soil/Sediment samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 Ch 7.3:

Inst details:

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Reactive Cyanide in batch 1511233, sample 1511233-BLK1: See Narrative

Reactive Cyanide in batch 1511234, sample 1511234-BLK1: See Narrative

Reactive Cyanide in batch 1511327, sample 1511327-BLK1: See Narrative

Reactive Cyanide in batch 1511328, sample 1511328-BLK1: See Narrative

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

3. Reference:

All method criteria were met with the following exceptions:

Reactive Cyanide in batch 1511233: See Narrative

Reactive Cyanide in batch 1511234: See Narrative

Reactive Cyanide in batch 1511327: See Narrative

Reactive Cyanide in batch 1511328: See Narrative

D. Duplicates:

A duplicate was analyzed.

In batch 1511234 from source sample SB-65-4-8-052815 (SC08357-19).

In batch 1511327 from source sample SB-67-8-12-052815 (SC08357-25).

In batch 1511328 from source sample SB-73-8-12-052915 (SC08357-57).

All method criteria were met with the following exceptions:

Reactive Cyanide in batch 1511234, sample 1511234-DUP1 from source sample SB-65-4-8-052815 (SC08357-19): See Narrative

Reactive Cyanide in batch 1511327, sample 1511327-DUP1 from source sample SB-67-8-12-052815 (SC08357-25): See Narrative

Reactive Cyanide in batch 1511328, sample 1511328-DUP1 from source sample SB-73-8-12-052915 (SC08357-57): See Narrative

E. Samples:

All method criteria were met with the following exceptions:

Reactive Cyanide in batch 1511233, samples DUP-05-052815 (SC08357-05), SB-68-12-16-052815 (SC08357-08), SB-68-16-20-052815 (SC08357-07), SB-68-4-8-052815 (SC08357-10), SB-68-8-12-052815 (SC08357-09), SB-69-0-4-052815 (SC08357-01), SB-69-12-16-052815 (SC08357-04), SB-69-16-20-052815 (SC08357-06), SB-69-4-8-052815 (SC08357-02), SB-69-8-12-052815 (SC08357-03): See Narrative

Reactive Cyanide in batch 1511234, samples SB-65-12-16-052815 (SC08357-13), SB-65-16-20-052815 (SC08357-14), SB-65-4-8-052815 (SC08357-19), SB-65-8-12-052815 (SC08357-18), SB-66-0-4-052815 (SC08357-11), SB-66-12-16-052815 (SC08357-16), SB-66-16-20-052815 (SC08357-17), SB-66-4-8-052815 (SC08357-12), SB-66-8-12-052815 (SC08357-15): See Narrative

Reactive Cyanide in batch 1511327, samples DUP-03-052815 (SC08357-27), DUP-04-052815 (SC08357-23), SB-63-0-4-052815 (SC08357-35), SB-63-12-16-052815 (SC08357-38), SB-63-16-20-052815 (SC08357-39), SB-63-4-8-052815 (SC08357-36), SB-63-8-12-052815 (SC08357-37), SB-64-

0-4-052815 (SC08357-34), SB-64A-0-4-052815 (SC08357-33), SB-64A-12-16-052815 (SC08357-30), SB-64A-16-20-052815 (SC08357-29), SB-64A-4-8-052815 (SC08357-32), SB-64A-8-12-052815 (SC08357-31), SB-65-0-4-052815 (SC08357-20), SB-67-0-4-052815 (SC08357-28), SB-67-12-16-052815 (SC08357-24), SB-67-16-20-052815 (SC08357-22), SB-67-4-8-052815 (SC08357-26), SB-67-8-12-052815 (SC08357-25), SB-68-0-4-052815 (SC08357-21): See Narrative

Reactive Cyanide in batch 1511328, samples SB-70-0-4-052915 (SC08357-40), SB-70-12-16-052915 (SC08357-43), SB-70-16-20-052915 (SC08357-44), SB-70-4-8-052915 (SC08357-41), SB-70-8-12-052915 (SC08357-42), SB-71-0-4-052915 (SC08357-45), SB-71-12-16-052915 (SC08357-50), SB-71-16-20-052915 (SC08357-51), SB-71-4-8-052915 (SC08357-47), SB-71-8-12-052915 (SC08357-49), SB-72-0-4-052915 (SC08357-52), SB-72-4-8-052915 (SC08357-53), SB-72-8-12-052915 (SC08357-54), SB-73-0-4-052915 (SC08357-55), SB-73-4-8-052915 (SC08357-56), SB-73-8-12-052915 (SC08357-57), SB-DUP-06-052915 (SC08357-46), SB-DUP-07-052915 (SC08357-48): See Narrative

Reactivity (40 CFR 261.23) Case Narrative:

These samples do not exhibit the characteristics of reactivity as defined in 40 CFR 261.23, sections (1), (2) and (4); however, Spectrum Analytical, Inc. does not test for detonation, explosive reaction or potential, or forbidden explosives as defined in 40 CFR 261.23, sections (3), (6), (7) and (8).

Reactive sulfide and cyanide are tested at a pH of 2 and not tested at all conditions between pH 2 and12.5 as stated in 40 CFR 261.23, section (5); thus reactive cyanide and sulfide results as reported in this document can not be used to support the nonreactive properties of these samples.

The responsibility falls on the generator to use knowledge of the waste to determine if the waste meets or does not meet the descriptive, prose definition of reactivity.

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-69-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-01	File ID:	1511336-004
Sampled:	05/28/15 15:28	Prepared:	06/09/15 18:50	Analyzed:	06/10/15 12:59
% Solids:	84.67	Preparation:	General Preparation	Initial/Final:	0.6381 g / 50 ml
Batch:	1511336	Sequence:	S505633	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	5.23	1	0.370	0.463	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-69-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-02	File ID:	1511336-005
Sampled:	05/28/15 15:35	Prepared:	06/09/15 18:50	Analyzed:	06/10/15 12:59
% Solids:	76.11	Preparation:	General Preparation	Initial/Final:	0.6436 g / 50 ml
Batch:	1511336	Sequence:	S505633	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	4.48	1	0.408	0.510	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-69-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-03	File ID:	1511336-006
Sampled:	05/28/15 15:46	Prepared:	06/09/15 18:50	Analyzed:	06/10/15 13:00
% Solids:	49.55	Preparation:	General Preparation	Initial/Final:	0.6122 g / 50 ml
Batch:	1511336	Sequence:	S505633	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	2.44	1	0.659	0.824	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-69-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-04	File ID:	1511336-007
Sampled:	05/28/15 15:56	Prepared:	06/09/15 18:50	Analyzed:	06/10/15 13:01
% Solids:	71.43	Preparation:	General Preparation	Initial/Final:	0.5753 g / 50 ml
Batch:	1511336	Sequence:	S505633	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.628	1	0.487	0.608	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-69-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-06	File ID:	1511336-008
Sampled:	05/28/15 16:04	Prepared:	06/09/15 18:50	Analyzed:	06/10/15 13:02
% Solids:	82.09	Preparation:	General Preparation	Initial/Final:	0.6359 g / 50 ml
Batch:	1511336	Sequence:	S505633	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.479	1	0.383	0.479	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-68-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-07	File ID:	1511336-009
Sampled:	05/28/15 14:52	Prepared:	06/09/15 18:50	Analyzed:	06/10/15 13:03
% Solids:	79.79	Preparation:	General Preparation	Initial/Final:	0.6202 g / 50 ml
Batch:	1511336	Sequence:	S505633	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.505	1	0.404	0.505	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-68-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-08	File ID:	1511336-010
Sampled:	05/28/15 14:42	Prepared:	06/09/15 18:50	Analyzed:	06/10/15 13:04
% Solids:	57.08	Preparation:	General Preparation	Initial/Final:	0.6453 g / 50 ml
Batch:	1511336	Sequence:	S505633	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	2.29	1	0.543	0.679	

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SW846 9012B

SB-68-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-09	File ID:	1511336-018
Sampled:	05/28/15 14:34	Prepared:	06/09/15 18:50	Analyzed:	06/10/15 13:11
% Solids:	72.73	Preparation:	General Preparation	Initial/Final:	0.5949 g / 50 ml
Batch:	1511336	Sequence:	S505633	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	9.43	1	0.462	0.578	

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SW846 9012B

SB-68-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-10	File ID:	1511336-019
Sampled:	05/28/15 14:27	Prepared:	06/09/15 18:50	Analyzed:	06/10/15 13:11
% Solids:	72.65	Preparation:	General Preparation	Initial/Final:	0.6227 g / 50 ml
Batch:	1511336	Sequence:	S505633	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	5.94	1	0.442	0.553	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-66-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-11	File ID:	1511336-023
Sampled:	05/28/15 12:00	Prepared:	06/09/15 18:50	Analyzed:	06/10/15 13:15
% Solids:	83.46	Preparation:	General Preparation	Initial/Final:	0.5845 g / 50 ml
Batch:	1511336	Sequence:	S505633	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	8.76	1	0.410	0.512	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-66-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-12	File ID:	1511406-007
Sampled:	05/28/15 12:06	Prepared:	06/10/15 12:03	Analyzed:	06/10/15 17:12
% Solids:	76.77	Preparation:	General Preparation	Initial/Final:	0.6041 g / 50 ml
Batch:	1511406	Sequence:	S505635	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	28.4	1	0.431	0.539	

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SW846 9012B

SB-65-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-13	File ID:	1511406-008
Sampled:	05/28/15 10:50	Prepared:	06/10/15 12:03	Analyzed:	06/10/15 17:13
% Solids:	81.42	Preparation:	General Preparation	Initial/Final:	0.5284 g / 50 ml
Batch:	1511406	Sequence:	S505635	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.13	1	0.465	0.581	

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SW846 9012B

SB-65-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-14	File ID:	1511406-009
Sampled:	05/28/15 11:02	Prepared:	06/10/15 12:03	Analyzed:	06/10/15 17:13
% Solids:	75.45	Preparation:	General Preparation	Initial/Final:	0.613 g / 50 ml
Batch:	1511406	Sequence:	S505635	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.508	1	0.432	0.541	J

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-66-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-16	File ID:	1511406-010
Sampled:	05/28/15 12:20	Prepared:	06/10/15 12:03	Analyzed:	06/10/15 17:14
% Solids:	79.96	Preparation:	General Preparation	Initial/Final:	0.5602 g / 50 ml
Batch:	1511406	Sequence:	S505635	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.905	1	0.447	0.558	

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SW846 9012B

SB-66-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-17	File ID:	1511406-011
Sampled:	05/28/15 12:25	Prepared:	06/10/15 12:03	Analyzed:	06/10/15 17:15
% Solids:	79.54	Preparation:	General Preparation	Initial/Final:	0.6219 g / 50 ml
Batch:	1511406	Sequence:	S505635	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.505	1	0.404	0.505	U

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SW846 9012B

SB-65-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-19	File ID:	1511406-012
Sampled:	05/28/15 10:40	Prepared:	06/10/15 12:03	Analyzed:	06/10/15 17:16
% Solids:	64.47	Preparation:	General Preparation	Initial/Final:	0.5947 g / 50 ml
Batch:	1511406	Sequence:	S505635	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	13.6	1	0.522	0.652	

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SW846 9012B

SB-65-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-20	File ID:	1511406-013
Sampled:	05/28/15 10:34	Prepared:	06/10/15 12:03	Analyzed:	06/10/15 17:17
% Solids:	86.27	Preparation:	General Preparation	Initial/Final:	0.5375 g / 50 ml
Batch:	1511406	Sequence:	S505635	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	5.70	1	0.431	0.539	

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SW846 9012B

SB-68-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-21	File ID:	1511406-019
Sampled:	05/28/15 14:20	Prepared:	06/10/15 12:03	Analyzed:	06/10/15 17:22
% Solids:	84.25	Preparation:	General Preparation	Initial/Final:	0.6005 g / 50 ml
Batch:	1511406	Sequence:	S505635	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	4.11	1	0.395	0.494	

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SW846 9012B

SB-67-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-22	File ID:	1511406-020
Sampled:	05/28/15 13:21	Prepared:	06/10/15 12:03	Analyzed:	06/10/15 17:23
% Solids:	82.28	Preparation:	General Preparation	Initial/Final:	0.5942 g / 50 ml
Batch:	1511406	Sequence:	S505635	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.511	1	0.409	0.511	U

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SW846 9012B

SB-67-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-24	File ID:	1511406-021
Sampled:	05/28/15 13:18	Prepared:	06/10/15 12:03	Analyzed:	06/10/15 17:24
% Solids:	82.16	Preparation:	General Preparation	Initial/Final:	0.6372 g / 50 ml
Batch:	1511406	Sequence:	S505635	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.478	1	0.382	0.478	U

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SW846 9012B

SB-67-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-25	File ID:	1511406-022
Sampled:	05/28/15 13:13	Prepared:	06/10/15 12:03	Analyzed:	06/10/15 17:24
% Solids:	48.74	Preparation:	General Preparation	Initial/Final:	0.5082 g / 50 ml
Batch:	1511406	Sequence:	S505635	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.38	1	0.807	1.01	

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SW846 9012B

SB-67-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-26	File ID:	1511406-026
Sampled:	05/28/15 13:06	Prepared:	06/10/15 12:03	Analyzed:	06/10/15 17:28
% Solids:	70.83	Preparation:	General Preparation	Initial/Final:	0.5075 g / 50 ml
Batch:	1511406	Sequence:	S505635	Calibration:	1506023
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	6.89	1	0.556	0.695	

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SW846 9012B

SB-67-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-28	File ID:	1511455-018
Sampled:	05/28/15 13:00	Prepared:	06/11/15 09:37	Analyzed:	06/11/15 16:28
% Solids:	75.60	Preparation:	General Preparation	Initial/Final:	0.5499 g / 50 ml
Batch:	1511455	Sequence:	S505721	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	5.91	1	0.481	0.601	

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SW846 9012B

SB-64A-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-29	File ID:	1511455-019
Sampled:	05/28/15 10:09	Prepared:	06/11/15 09:37	Analyzed:	06/11/15 16:29
% Solids:	83.39	Preparation:	General Preparation	Initial/Final:	0.5023 g / 50 ml
Batch:	1511455	Sequence:	S505721	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	2.10	1	0.477	0.597	

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SW846 9012B

SB-64A-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-30	File ID:	1511455-020
Sampled:	05/28/15 10:04	Prepared:	06/11/15 09:37	Analyzed:	06/11/15 16:30
% Solids:	83.31	Preparation:	General Preparation	Initial/Final:	0.6403 g / 50 ml
Batch:	1511455	Sequence:	S505721	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	3.31	1	0.375	0.469	

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SW846 9012B

SB-64A-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-31	File ID:	1511455-021
Sampled:	05/28/15 09:49	Prepared:	06/11/15 09:37	Analyzed:	06/11/15 16:31
% Solids:	72.03	Preparation:	General Preparation	Initial/Final:	0.5486 g / 50 ml
Batch:	1511455	Sequence:	S505721	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	8.49	1	0.506	0.633	

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SW846 9012B

SB-64A-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-32	File ID:	1511455-022
Sampled:	05/28/15 09:42	Prepared:	06/11/15 09:37	Analyzed:	06/11/15 16:32
% Solids:	81.96	Preparation:	General Preparation	Initial/Final:	0.5011 g / 50 ml
Batch:	1511455	Sequence:	S505721	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	28.6	1	0.487	0.609	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-64A-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-33	File ID:	1511509-001
Sampled:	05/28/15 09:32	Prepared:	06/11/15 09:37	Analyzed:	06/11/15 17:06
% Solids:	74.31	Preparation:	General Preparation	Initial/Final:	0.606 g / 50 ml
Batch:	1511455	Sequence:	S505721	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	555	20	8.88	11.1	

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SW846 9012B

SB-64-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-34	File ID:	1511455-024
Sampled:	05/28/15 09:03	Prepared:	06/11/15 09:37	Analyzed:	06/11/15 16:33
% Solids:	86.33	Preparation:	General Preparation	Initial/Final:	0.5957 g / 50 ml
Batch:	1511455	Sequence:	S505721	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	9.82	1	0.389	0.486	

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SW846 9012B

SB-63-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-35	File ID:	1511455-030
Sampled:	05/28/15 07:55	Prepared:	06/11/15 09:37	Analyzed:	06/11/15 16:39
% Solids:	87.61	Preparation:	General Preparation	Initial/Final:	0.6004 g / 50 ml
Batch:	1511455	Sequence:	S505721	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	11.2	1	0.380	0.475	

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SW846 9012B

SB-63-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-36	File ID:	1511455-031
Sampled:	05/28/15 08:01	Prepared:	06/11/15 09:37	Analyzed:	06/11/15 16:39
% Solids:	77.09	Preparation:	General Preparation	Initial/Final:	0.6426 g / 50 ml
Batch:	1511455	Sequence:	S505721	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	7.47	1	0.404	0.505	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-63-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-37	File ID:	1511455-032
Sampled:	05/28/15 08:04	Prepared:	06/11/15 09:37	Analyzed:	06/11/15 16:40
% Solids:	48.73	Preparation:	General Preparation	Initial/Final:	0.5275 g / 50 ml
Batch:	1511455	Sequence:	S505721	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	6.79	1	0.778	0.973	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-63-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-38	File ID:	1511455-033
Sampled:	05/28/15 08:10	Prepared:	06/11/15 09:37	Analyzed:	06/11/15 16:41
% Solids:	54.40	Preparation:	General Preparation	Initial/Final:	0.6019 g / 50 ml
Batch:	1511455	Sequence:	S505721	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	2.78	1	0.611	0.764	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-63-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-39	File ID:	1511455-034
Sampled:	05/28/15 08:26	Prepared:	06/11/15 09:37	Analyzed:	06/11/15 16:42
% Solids:	75.78	Preparation:	General Preparation	Initial/Final:	0.6536 g / 50 ml
Batch:	1511455	Sequence:	S505721	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.505	1	0.404	0.505	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

SB-70-0-4-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-40	File ID:	1511509-008
Sampled:	05/29/15 07:53	Prepared:	06/11/15 12:00	Analyzed:	06/11/15 17:12
% Solids:	81.94	Preparation:	General Preparation	Initial/Final:	0.5408 g / 50 ml
Batch:	1511509	Sequence:	S505722	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	4.77	1	0.451	0.564	

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SW846 9012B

SB-70-4-8-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-41	File ID:	1511509-009
Sampled:	05/29/15 07:59	Prepared:	06/11/15 12:00	Analyzed:	06/11/15 17:13
% Solids:	77.91	Preparation:	General Preparation	Initial/Final:	0.5593 g / 50 ml
Batch:	1511509	Sequence:	S505722	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	5.30	1	0.459	0.574	

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SW846 9012B

SB-70-8-12-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-42	File ID:	1511509-010
Sampled:	05/29/15 08:09	Prepared:	06/11/15 12:00	Analyzed:	06/11/15 17:14
% Solids:	53.08	Preparation:	General Preparation	Initial/Final:	0.5178 g / 50 ml
Batch:	1511509	Sequence:	S505722	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	4.24	1	0.728	0.910	

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SW846 9012B

SB-70-12-16-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-43	File ID:	1511509-011
Sampled:	05/29/15 08:18	Prepared:	06/11/15 12:00	Analyzed:	06/11/15 17:15
% Solids:	76.70	Preparation:	General Preparation	Initial/Final:	0.5103 g / 50 ml
Batch:	1511509	Sequence:	S505722	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.967	1	0.511	0.639	

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SW846 9012B

SB-70-16-20-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-44	File ID:	1511509-012
Sampled:	05/29/15 08:27	Prepared:	06/11/15 12:00	Analyzed:	06/11/15 17:15
% Solids:	80.48	Preparation:	General Preparation	Initial/Final:	0.5419 g / 50 ml
Batch:	1511509	Sequence:	S505722	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.498	1	0.459	0.573	J

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SW846 9012B

SB-71-0-4-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-45	File ID:	1511509-013
Sampled:	05/29/15 08:55	Prepared:	06/11/15 12:00	Analyzed:	06/11/15 17:16
% Solids:	80.33	Preparation:	General Preparation	Initial/Final:	0.5834 g / 50 ml
Batch:	1511509	Sequence:	S505722	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	6.70	1	0.427	0.533	

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SW846 9012B

SB-DUP-06-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-46	File ID:	1511509-014
Sampled:	05/29/15 00:00	Prepared:	06/11/15 12:00	Analyzed:	06/11/15 17:17
% Solids:	77.81	Preparation:	General Preparation	Initial/Final:	0.58 g / 50 ml
Batch:	1511509	Sequence:	S505722	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	4.84	1	0.443	0.554	

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SW846 9012B

SB-71-4-8-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-47	File ID:	1511509-020
Sampled:	05/29/15 09:01	Prepared:	06/11/15 12:00	Analyzed:	06/11/15 17:22
% Solids:	82.51	Preparation:	General Preparation	Initial/Final:	0.5912 g / 50 ml
Batch:	1511509	Sequence:	S505722	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	3.94	1	0.410	0.513	

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SW846 9012B

SB-DUP-07-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-48	File ID:	1511509-021
Sampled:	05/29/15 00:00	Prepared:	06/11/15 12:00	Analyzed:	06/11/15 17:23
% Solids:	75.42	Preparation:	General Preparation	Initial/Final:	0.5763 g / 50 ml
Batch:	1511509	Sequence:	S505722	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	7.12	1	0.460	0.575	

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SW846 9012B

SB-71-8-12-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-49	File ID:	1511509-022
Sampled:	05/29/15 09:06	Prepared:	06/11/15 12:00	Analyzed:	06/11/15 17:24
% Solids:	76.79	Preparation:	General Preparation	Initial/Final:	0.5234 g / 50 ml
Batch:	1511509	Sequence:	S505722	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	3.66	1	0.498	0.622	

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SW846 9012B

SB-71-12-16-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-50	File ID:	1511509-023
Sampled:	05/29/15 09:16	Prepared:	06/11/15 12:00	Analyzed:	06/11/15 17:25
% Solids:	81.88	Preparation:	General Preparation	Initial/Final:	0.5543 g / 50 ml
Batch:	1511509	Sequence:	S505722	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.551	1	0.441	0.551	U

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SW846 9012B

SB-71-16-20-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-51	File ID:	1511509-024
Sampled:	05/29/15 09:26	Prepared:	06/11/15 12:00	Analyzed:	06/11/15 17:26
% Solids:	81.93	Preparation:	General Preparation	Initial/Final:	0.5398 g / 50 ml
Batch:	1511509	Sequence:	S505722	Calibration:	1506028
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.565	1	0.452	0.565	U

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SW846 9012B

SB-72-0-4-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-52	File ID:	1511554+1511556-017
Sampled:	05/29/15 10:06	Prepared:	06/12/15 09:47	Analyzed:	06/12/15 13:40
% Solids:	81.52	Preparation:	General Preparation	Initial/Final:	0.5471 g / 50 ml
Batch:	1511554	Sequence:	S505711	Calibration:	1506027
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	3.98	1	0.448	0.561	

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SW846 9012B

SB-72-4-8-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-53	File ID:	1511554+1511556-018
Sampled:	05/29/15 10:09	Prepared:	06/12/15 09:47	Analyzed:	06/12/15 13:41
% Solids:	78.12	Preparation:	General Preparation	Initial/Final:	0.5125 g / 50 ml
Batch:	1511554	Sequence:	S505711	Calibration:	1506027
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	5.99	1	0.500	0.624	

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SW846 9012B

SB-72-8-12-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-54	File ID:	1511554+1511556-019
Sampled:	05/29/15 10:13	Prepared:	06/12/15 09:47	Analyzed:	06/12/15 13:42
% Solids:	85.60	Preparation:	General Preparation	Initial/Final:	0.5657 g / 50 ml
Batch:	1511554	Sequence:	S505711	Calibration:	1506027
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.08	1	0.413	0.516	

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SW846 9012B

SB-73-0-4-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-55	File ID:	1511554+1511556-020
Sampled:	05/29/15 11:34	Prepared:	06/12/15 09:47	Analyzed:	06/12/15 13:42
% Solids:	91.54	Preparation:	General Preparation	Initial/Final:	0.6314 g / 50 ml
Batch:	1511554	Sequence:	S505711	Calibration:	1506027
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.01	1	0.346	0.433	

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SW846 9012B

SB-73-4-8-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-56	File ID:	1511554+1511556-024
Sampled:	05/29/15 11:40	Prepared:	06/12/15 09:47	Analyzed:	06/12/15 13:46
% Solids:	57.47	Preparation:	General Preparation	Initial/Final:	0.6002 g / 50 ml
Batch:	1511554	Sequence:	S505711	Calibration:	1506027
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	4.91	1	0.580	0.725	

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SW846 9012B

SB-73-8-12-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-57	File ID:	1511554+1511556-031
Sampled:	05/29/15 11:47	Prepared:	06/12/15 09:47	Analyzed:	06/12/15 13:52
% Solids:	78.00	Preparation:	General Preparation	Initial/Final:	0.5083 g / 50 ml
Batch:	1511554	Sequence:	S505711	Calibration:	1506027
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.631	1	0.504	0.631	U

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SB-69-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-01	File ID:	
Sampled:	05/28/15 15:28	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	84.67	Preparation:	General Preparation	Initial/Final:	10.0002 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	25.0	25.0	

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SB-69-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-02	File ID:	
Sampled:	05/28/15 15:35	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	76.11	Preparation:	General Preparation	Initial/Final:	10.21 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-69-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-03	File ID:	
Sampled:	05/28/15 15:46	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	49.55	Preparation:	General Preparation	Initial/Final:	10.0609 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-69-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-04	File ID:	
Sampled:	05/28/15 15:56	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	71.43	Preparation:	General Preparation	Initial/Final:	10.0345 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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DUP-05-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-05	File ID:	
Sampled:	05/28/15 00:00	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	57.22	Preparation:	General Preparation	Initial/Final:	10.2122 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-69-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-06	File ID:	
Sampled:	05/28/15 16:04	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	82.09	Preparation:	General Preparation	Initial/Final:	10.0455 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SB-68-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-07	File ID:	
Sampled:	05/28/15 14:52	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	79.79	Preparation:	General Preparation	Initial/Final:	10.0758 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-68-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-08	File ID:	
Sampled:	05/28/15 14:42	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	57.08	Preparation:	General Preparation	Initial/Final:	10.1757 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.6	24.6	

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SB-68-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-09	File ID:	
Sampled:	05/28/15 14:34	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	72.73	Preparation:	General Preparation	Initial/Final:	10.0067 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	25.0	25.0	

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SB-68-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-10	File ID:	
Sampled:	05/28/15 14:27	Prepared:	06/08/15 10:15	Analyzed:	06/09/15 12:33
% Solids:	72.65	Preparation:	General Preparation	Initial/Final:	10.073 g / 50 ml
Batch:	1511233	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-66-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-11	File ID:	
Sampled:	05/28/15 12:00	Prepared:	06/08/15 16:00	Analyzed:	06/10/15 13:00
% Solids:	83.46	Preparation:	General Preparation	Initial/Final:	10.0815 g / 50 ml
Batch:	1511234	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-66-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-12	File ID:	
Sampled:	05/28/15 12:06	Prepared:	06/08/15 16:00	Analyzed:	06/10/15 13:00
% Solids:	76.77	Preparation:	General Preparation	Initial/Final:	10.1995 g / 50 ml
Batch:	1511234	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-65-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-13	File ID:	
Sampled:	05/28/15 10:50	Prepared:	06/08/15 16:00	Analyzed:	06/10/15 13:00
% Solids:	81.42	Preparation:	General Preparation	Initial/Final:	10.067 g / 50 ml
Batch:	1511234	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-65-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-14	File ID:	
Sampled:	05/28/15 11:02	Prepared:	06/08/15 16:00	Analyzed:	06/10/15 13:00
% Solids:	75.45	Preparation:	General Preparation	Initial/Final:	10.1752 g / 50 ml
Batch:	1511234	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.6	24.6	

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SB-66-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-15	File ID:	
Sampled:	05/28/15 12:15	Prepared:	06/08/15 16:00	Analyzed:	06/10/15 13:00
% Solids:	80.50	Preparation:	General Preparation	Initial/Final:	10.2091 g / 50 ml
Batch:	1511234	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-66-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-16	File ID:	
Sampled:	05/28/15 12:20	Prepared:	06/08/15 16:00	Analyzed:	06/10/15 13:00
% Solids:	79.96	Preparation:	General Preparation	Initial/Final:	10.0787 g / 50 ml
Batch:	1511234	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-66-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-17	File ID:	
Sampled:	05/28/15 12:25	Prepared:	06/08/15 16:00	Analyzed:	06/10/15 13:00
% Solids:	79.54	Preparation:	General Preparation	Initial/Final:	10.0132 g / 50 ml
Batch:	1511234	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	25.0	25.0	

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SB-65-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-18	File ID:	
Sampled:	05/28/15 10:45	Prepared:	06/08/15 16:00	Analyzed:	06/10/15 13:00
% Solids:	80.78	Preparation:	General Preparation	Initial/Final:	10.1157 g / 50 ml
Batch:	1511234	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-65-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-19	File ID:	
Sampled:	05/28/15 10:40	Prepared:	06/08/15 16:00	Analyzed:	06/10/15 13:00
% Solids:	64.47	Preparation:	General Preparation	Initial/Final:	10.2893 g / 50 ml
Batch:	1511234	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.3	24.3	

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SB-65-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-20	File ID:	
Sampled:	05/28/15 10:34	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	86.27	Preparation:	General Preparation	Initial/Final:	10.1775 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.6	24.6	

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SB-68-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-21	File ID:	
Sampled:	05/28/15 14:20	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	84.25	Preparation:	General Preparation	Initial/Final:	10.0938 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-67-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-22	File ID:	
Sampled:	05/28/15 13:21	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	82.28	Preparation:	General Preparation	Initial/Final:	10.1914 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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DUP-04-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-23	File ID:	
Sampled:	05/28/15 00:00	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	73.91	Preparation:	General Preparation	Initial/Final:	10.2036 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-67-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-24	File ID:	
Sampled:	05/28/15 13:18	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	82.16	Preparation:	General Preparation	Initial/Final:	10.2528 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.4	24.4	

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SB-67-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-25	File ID:	
Sampled:	05/28/15 13:13	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	48.74	Preparation:	General Preparation	Initial/Final:	10.0751 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-67-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-26	File ID:	
Sampled:	05/28/15 13:06	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	70.83	Preparation:	General Preparation	Initial/Final:	10.1778 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.6	24.6	

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DUP-03-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-27	File ID:	
Sampled:	05/28/15 00:00	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	71.57	Preparation:	General Preparation	Initial/Final:	10.0479 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SB-67-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-28	File ID:	
Sampled:	05/28/15 13:00	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	75.60	Preparation:	General Preparation	Initial/Final:	10.0193 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	25.0	25.0	

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SB-64A-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-29	File ID:	
Sampled:	05/28/15 10:09	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	83.39	Preparation:	General Preparation	Initial/Final:	10.1014 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-64A-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-30	File ID:	
Sampled:	05/28/15 10:04	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	83.31	Preparation:	General Preparation	Initial/Final:	10.1907 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-64A-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-31	File ID:	
Sampled:	05/28/15 09:49	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	72.03	Preparation:	General Preparation	Initial/Final:	10.2269 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.4	24.4	

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SW846 Ch 7.3

SB-64A-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-32	File ID:	
Sampled:	05/28/15 09:42	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	81.96	Preparation:	General Preparation	Initial/Final:	10.2341 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.4	24.4	

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SW846 Ch 7.3

SB-64A-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-33	File ID:	
Sampled:	05/28/15 09:32	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	74.31	Preparation:	General Preparation	Initial/Final:	10.0533 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SW846 Ch 7.3

SB-64-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-34	File ID:	
Sampled:	05/28/15 09:03	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	86.33	Preparation:	General Preparation	Initial/Final:	10.0978 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-63-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-35	File ID:	
Sampled:	05/28/15 07:55	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	87.61	Preparation:	General Preparation	Initial/Final:	10.1504 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.6	24.6	

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SB-63-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-36	File ID:	
Sampled:	05/28/15 08:01	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	77.09	Preparation:	General Preparation	Initial/Final:	10.2569 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.4	24.4	

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SB-63-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-37	File ID:	
Sampled:	05/28/15 08:04	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	48.73	Preparation:	General Preparation	Initial/Final:	10.273 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.3	24.3	

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SB-63-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-38	File ID:	
Sampled:	05/28/15 08:10	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	54.40	Preparation:	General Preparation	Initial/Final:	10.0818 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-63-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-39	File ID:	
Sampled:	05/28/15 08:26	Prepared:	06/09/15 10:00	Analyzed:	06/09/15 18:39
% Solids:	75.78	Preparation:	General Preparation	Initial/Final:	10.1023 g / 50 ml
Batch:	1511327	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-70-0-4-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-40	File ID:	
Sampled:	05/29/15 07:53	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	81.94	Preparation:	General Preparation	Initial/Final:	10.185 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-70-4-8-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-41	File ID:	
Sampled:	05/29/15 07:59	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	77.91	Preparation:	General Preparation	Initial/Final:	10.2772 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.3	24.3	

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SB-70-8-12-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-42	File ID:	
Sampled:	05/29/15 08:09	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	53.08	Preparation:	General Preparation	Initial/Final:	10.1205 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-70-12-16-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-43	File ID:	
Sampled:	05/29/15 08:18	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	76.70	Preparation:	General Preparation	Initial/Final:	10.1162 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-70-16-20-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-44	File ID:	
Sampled:	05/29/15 08:27	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	80.48	Preparation:	General Preparation	Initial/Final:	10.0622 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-71-0-4-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-45	File ID:	
Sampled:	05/29/15 08:55	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	80.33	Preparation:	General Preparation	Initial/Final:	10.054 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SB-DUP-06-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-46	File ID:	
Sampled:	05/29/15 00:00	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	77.81	Preparation:	General Preparation	Initial/Final:	10.2712 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.3	24.3	

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SB-71-4-8-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-47	File ID:	
Sampled:	05/29/15 09:01	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	82.51	Preparation:	General Preparation	Initial/Final:	10.1467 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.6	24.6	

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SB-DUP-07-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-48	File ID:	
Sampled:	05/29/15 00:00	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	75.42	Preparation:	General Preparation	Initial/Final:	10.1371 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-71-8-12-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-49	File ID:	
Sampled:	05/29/15 09:06	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	76.79	Preparation:	General Preparation	Initial/Final:	10.0901 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.8	24.8	

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SB-71-12-16-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-50	File ID:	
Sampled:	05/29/15 09:16	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	81.88	Preparation:	General Preparation	Initial/Final:	10.1149 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-71-16-20-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-51	File ID:	
Sampled:	05/29/15 09:26	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	81.93	Preparation:	General Preparation	Initial/Final:	10.5141 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	23.8	23.8	

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SB-72-0-4-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-52	File ID:	
Sampled:	05/29/15 10:06	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	81.52	Preparation:	General Preparation	Initial/Final:	10.1305 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-72-4-8-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-53	File ID:	
Sampled:	05/29/15 10:09	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	78.12	Preparation:	General Preparation	Initial/Final:	10.139 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-72-8-12-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-54	File ID:	
Sampled:	05/29/15 10:13	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	85.60	Preparation:	General Preparation	Initial/Final:	10.1157 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.7	24.7	

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SB-73-0-4-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-55	File ID:	
Sampled:	05/29/15 11:34	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	91.54	Preparation:	General Preparation	Initial/Final:	10.0471 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SW846 Ch 7.3

SB-73-4-8-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-56	File ID:	
Sampled:	05/29/15 11:40	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	57.47	Preparation:	General Preparation	Initial/Final:	10.1989 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.5	24.5	

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SB-73-8-12-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-57	File ID:	
Sampled:	05/29/15 11:47	Prepared:	06/09/15 14:00	Analyzed:	06/09/15 18:41
% Solids:	78.00	Preparation:	General Preparation	Initial/Final:	10.0561 g / 50 ml
Batch:	1511328	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Reactive Cyanide	See Narrative	1	24.9	24.9	

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SM2540 G Mod.

SB-69-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-01	File ID:	
Sampled:	05/28/15 15:28	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	84.67	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	84.7	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-69-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-02	File ID:	
Sampled:	05/28/15 15:35	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	76.11	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	76.1	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-69-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-03	File ID:	
Sampled:	05/28/15 15:46	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	49.55	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	49.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-69-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-04	File ID:	
Sampled:	05/28/15 15:56	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	71.43	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	71.4	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

DUP-05-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-05	File ID:	
Sampled:	05/28/15 00:00	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	57.22	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	57.2	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-69-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-06	File ID:	
Sampled:	05/28/15 16:04	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	82.09	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.1	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-68-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-07	File ID:	
Sampled:	05/28/15 14:52	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	79.79	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	79.8	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-68-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-08	File ID:	
Sampled:	05/28/15 14:42	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	57.08	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	57.1	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-68-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-09	File ID:	
Sampled:	05/28/15 14:34	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	72.73	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	72.7	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-68-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-10	File ID:	
Sampled:	05/28/15 14:27	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	72.65	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	72.6	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-66-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-11	File ID:	
Sampled:	05/28/15 12:00	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	83.46	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	83.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-66-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-12	File ID:	
Sampled:	05/28/15 12:06	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	76.77	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	76.8	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-65-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-13	File ID:	
Sampled:	05/28/15 10:50	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	81.42	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	81.4	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-65-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-14	File ID:	
Sampled:	05/28/15 11:02	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	75.45	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	75.4	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-66-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-15	File ID:	
Sampled:	05/28/15 12:15	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	80.50	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-66-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-16	File ID:	
Sampled:	05/28/15 12:20	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	79.96	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.0	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-66-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-17	File ID:	
Sampled:	05/28/15 12:25	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	79.54	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	79.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-65-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-18	File ID:	
Sampled:	05/28/15 10:45	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	80.78	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.8	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-65-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-19	File ID:	
Sampled:	05/28/15 10:40	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	64.47	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	64.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-65-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-20	File ID:	
Sampled:	05/28/15 10:34	Prepared:	06/05/15 10:56	Analyzed:	06/05/15 13:28
% Solids:	86.27	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511092	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	86.3	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-68-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-21	File ID:	
Sampled:	05/28/15 14:20	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	84.25	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	84.2	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-67-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-22	File ID:	
Sampled:	05/28/15 13:21	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	82.28	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.3	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

DUP-04-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-23	File ID:	
Sampled:	05/28/15 00:00	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	73.91	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	73.9	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-67-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-24	File ID:	
Sampled:	05/28/15 13:18	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	82.16	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.2	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-67-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-25	File ID:	
Sampled:	05/28/15 13:13	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	48.74	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	48.7	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-67-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-26	File ID:	
Sampled:	05/28/15 13:06	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	70.83	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	70.8	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

DUP-03-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-27	File ID:	
Sampled:	05/28/15 00:00	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	71.57	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	71.6	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-67-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-28	File ID:	
Sampled:	05/28/15 13:00	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	75.60	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	75.6	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-64A-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-29	File ID:	
Sampled:	05/28/15 10:09	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	83.39	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	83.4	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-64A-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-30	File ID:	
Sampled:	05/28/15 10:04	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	83.31	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	83.3	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-64A-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-31	File ID:	
Sampled:	05/28/15 09:49	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	72.03	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	72.0	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-64A-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-32	File ID:	
Sampled:	05/28/15 09:42	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	81.96	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.0	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-64A-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-33	File ID:	
Sampled:	05/28/15 09:32	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	74.31	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	74.3	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-64-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-34	File ID:	
Sampled:	05/28/15 09:03	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	86.33	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	86.3	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-63-0-4-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-35	File ID:	
Sampled:	05/28/15 07:55	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	87.61	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	87.6	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-63-4-8-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-36	File ID:	
Sampled:	05/28/15 08:01	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	77.09	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	77.1	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-63-8-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-37	File ID:	
Sampled:	05/28/15 08:04	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	48.73	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	48.7	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-63-12-16-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-38	File ID:	
Sampled:	05/28/15 08:10	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	54.40	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	54.4	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-63-16-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-39	File ID:	
Sampled:	05/28/15 08:26	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	75.78	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	75.8	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-70-0-4-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-40	File ID:	
Sampled:	05/29/15 07:53	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:28
% Solids:	81.94	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511093	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	81.9	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-70-4-8-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-41	File ID:	
Sampled:	05/29/15 07:59	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	77.91	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	77.9	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-70-8-12-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-42	File ID:	
Sampled:	05/29/15 08:09	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	53.08	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	53.1	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-70-12-16-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-43	File ID:	
Sampled:	05/29/15 08:18	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	76.70	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	76.7	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-70-16-20-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-44	File ID:	
Sampled:	05/29/15 08:27	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	80.48	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-71-0-4-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-45	File ID:	
Sampled:	05/29/15 08:55	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	80.33	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.3	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-DUP-06-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-46	File ID:	
Sampled:	05/29/15 00:00	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	77.81	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	77.8	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-71-4-8-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-47	File ID:	
Sampled:	05/29/15 09:01	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	82.51	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-DUP-07-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-48	File ID:	
Sampled:	05/29/15 00:00	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	75.42	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	75.4	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-71-8-12-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-49	File ID:	
Sampled:	05/29/15 09:06	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	76.79	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	76.8	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-71-12-16-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-50	File ID:	
Sampled:	05/29/15 09:16	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	81.88	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	81.9	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-71-16-20-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-51	File ID:	
Sampled:	05/29/15 09:26	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	81.93	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	81.9	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-72-0-4-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-52	File ID:	
Sampled:	05/29/15 10:06	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	81.52	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	81.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-72-4-8-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-53	File ID:	
Sampled:	05/29/15 10:09	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	78.12	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	78.1	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-72-8-12-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-54	File ID:	
Sampled:	05/29/15 10:13	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	85.60	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	85.6	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-73-0-4-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-55	File ID:	
Sampled:	05/29/15 11:34	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	91.54	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	91.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-73-4-8-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-56	File ID:	
Sampled:	05/29/15 11:40	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	57.47	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	57.5	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

SB-73-8-12-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08357
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0990			Received:	06/03/15 17:45
Matrix:	Soil	Laboratory ID:	SC08357-57	File ID:	
Sampled:	05/29/15 11:47	Prepared:	06/05/15 10:57	Analyzed:	06/05/15 13:29
% Solids:	78.00	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1511094	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	78.0	1			

Report Date:
16-Jun-15 15:30

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: P0991
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
P0991-01	CB-20-052815	Aqueous	28-May-15 09:00	30-May-15 09:40
P0991-02	CB-20-F-052815	Aqueous	28-May-15 09:10	30-May-15 09:40
P0991-03	CB-21-052815	Aqueous	28-May-15 10:50	30-May-15 09:40
P0991-04	CB-21-F-052815	Aqueous	28-May-15 11:00	30-May-15 09:40
P0991-05	CB-22-052815	Aqueous	28-May-15 11:35	30-May-15 09:40
P0991-06	CB-22-F-052815	Aqueous	28-May-15 11:45	30-May-15 09:40
P0991-07	CB-23-052815	Aqueous	28-May-15 12:15	30-May-15 09:40
P0991-08	CB-23-F-052815	Aqueous	28-May-15 12:25	30-May-15 09:40
P0991-09	CB-18-052815	Aqueous	28-May-15 12:50	30-May-15 09:40
P0991-10	CB-18-F-052815	Aqueous	28-May-15 13:00	30-May-15 09:40
P0991-11	CB-24-052815	Aqueous	28-May-15 13:30	30-May-15 09:40
P0991-12	CB-24-F-052815	Aqueous	28-May-15 13:40	30-May-15 09:40
P0991-13	CB-19-052815	Aqueous	28-May-15 14:10	30-May-15 09:40
P0991-14	CB-19-F-052815	Aqueous	28-May-15 14:20	30-May-15 09:40
P0991-15	CB-25-052815	Aqueous	28-May-15 14:30	30-May-15 09:40
P0991-16	CB-25-F-052815	Aqueous	28-May-15 14:40	30-May-15 09:40
P0991-17	CB-12-052815	Aqueous	28-May-15 14:50	30-May-15 09:40
P0991-18	CB-DUP-01-052815	Aqueous	28-May-15 00:00	30-May-15 09:40
P0991-19	CB-12-F-052815	Aqueous	28-May-15 15:00	30-May-15 09:40
P0991-20	CB-26-052915	Aqueous	29-May-15 08:00	30-May-15 09:40
P0991-21	CB-26-F-052915	Aqueous	29-May-15 08:15	30-May-15 09:40
P0991-22	CB-27-052915	Aqueous	29-May-15 08:35	30-May-15 09:40
P0991-23	CB-27-F-052915	Aqueous	29-May-15 08:40	30-May-15 09:40
P0991-24	CB-DUP-01-052915	Aqueous	29-May-15 09:40	30-May-15 09:40
P0991-25	CB-28-052915	Aqueous	29-May-15 09:40	30-May-15 09:40
P0991-26	CB-DUP-02-052915	Aqueous	29-May-15 00:00	30-May-15 09:40
P0991-27	CB-28-F-052915	Aqueous	29-May-15 09:50	30-May-15 09:40
P0991-28	CB-29-052915	Aqueous	29-May-15 10:25	30-May-15 09:40
P0991-29	CB-29-F-052915	Aqueous	29-May-15 10:30	30-May-15 09:40

Report Date:
16-Jun-15 15:30

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Laboratory Report

CDM-Smith, Inc.
11 British American Blvd, Suite 200
Latham, NY 12110

Work Order: P0991
Project : Buffalo Lakeside
Project #:

Attn: Katelyn Reepmeyer

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
Rhode Island	LAI00301
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-11-033

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:

Yihai Ding
Laboratory Director

* Data Summary Pack *

646 Camp Ave · North Kingstown, RI 02852-4008 · 401-732-3400 · FAX 401-732-3499
www.spectrum-analytical.com

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0991

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
CB-20-052815	P0991-01		SW8270_W		SW6010_W	SEE DATA
CB-20-052815	P0991-01				SW7470	
CB-20-F-052815	P0991-02		SW8270_W		SW6010_W	SEE DATA
CB-20-F-052815	P0991-02				SW7470	
CB-21-052815	P0991-03		SW8270_W		SW6010_W	SEE DATA
CB-21-052815	P0991-03				SW7470	
CB-21-F-052815	P0991-04		SW8270_W		SW6010_W	SEE DATA
CB-21-F-052815	P0991-04				SW7470	
CB-22-052815	P0991-05		SW8270_W		SW6010_W	SEE DATA
CB-22-052815	P0991-05				SW7470	
CB-22-F-052815	P0991-06		SW8270_W		SW6010_W	SEE DATA
CB-22-F-052815	P0991-06				SW7470	
CB-23-052815	P0991-07		SW8270_W		SW6010_W	SEE DATA
CB-23-052815	P0991-07				SW7470	
CB-23-F-052815	P0991-08		SW8270_W		SW6010_W	SEE DATA
CB-23-F-052815	P0991-08				SW7470	
CB-18-052815	P0991-09		SW8270_W		SW6010_W	SEE DATA
CB-18-052815	P0991-09				SW7470	
CB-18-F-052815	P0991-10		SW8270_W		SW6010_W	SEE DATA
CB-18-F-052815	P0991-10				SW7470	
CB-24-052815	P0991-11		SW8270_W		SW6010_W	SEE DATA
CB-24-052815	P0991-11				SW7470	
CB-24-F-052815	P0991-12		SW8270_W		SW6010_W	SEE DATA
CB-24-F-052815	P0991-12				SW7470	
CB-19-052815	P0991-13		SW8270_W		SW6010_W	SEE DATA
CB-19-052815	P0991-13				SW7470	
CB-19-F-052815	P0991-14		SW8270_W		SW6010_W	SEE DATA
CB-19-F-052815	P0991-14				SW7470	
CB-25-052815	P0991-15		SW8270_W		SW6010_W	SEE DATA
CB-25-052815	P0991-15				SW7470	
CB-25-F-052815	P0991-16		SW8270_W		SW6010_W	SEE DATA
CB-25-F-052815	P0991-16				SW7470	
CB-12-052815	P0991-17		SW8270_W		SW6010_W	SEE DATA
CB-12-052815	P0991-17				SW7470	
CB-DUP-01-052815	P0991-18		SW8270_W		SW6010_W	SEE DATA
CB-DUP-01-052815	P0991-18				SW7470	
CB-12-F-052815	P0991-19		SW8270_W		SW6010_W	SEE DATA
CB-12-F-052815	P0991-19				SW7470	

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0991

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
CB-26-052915	P0991-20		SW8270_W		SW6010_W	SEE DATA
CB-26-052915	P0991-20				SW7470	
CB-26-F-052915	P0991-21		SW8270_W		SW6010_W	SEE DATA
CB-26-F-052915	P0991-21				SW7470	
CB-27-052915	P0991-22		SW8270_W		SW6010_W	SEE DATA
CB-27-052915	P0991-22				SW7470	
CB-27-F-052915	P0991-23		SW8270_W		SW6010_W	SEE DATA
CB-27-F-052915	P0991-23				SW7470	
CB-DUP-01-052915	P0991-24		SW8270_W		SW6010_W	SEE DATA
CB-DUP-01-052915	P0991-24				SW7470	
CB-28-052915	P0991-25		SW8270_W		SW6010_W	SEE DATA
CB-28-052915	P0991-25				SW7470	
CB-DUP-02-052915	P0991-26		SW8270_W		SW6010_W	SEE DATA
CB-DUP-02-052915	P0991-26				SW7470	
CB-28-F-052915	P0991-27		SW8270_W		SW6010_W	SEE DATA
CB-28-F-052915	P0991-27				SW7470	
CB-29-052915	P0991-28		SW8270_W		SW6010_W	SEE DATA
CB-29-052915	P0991-28				SW7470	
CB-29-F-052915	P0991-29		SW8270_W		SW6010_W	SEE DATA
CB-29-F-052915	P0991-29				SW7470	

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** P0991

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270_W					
P0991-01C	AQ	5/28/2015	5/30/2015	6/1/2015	6/10/2015
P0991-02C	AQ	5/28/2015	5/30/2015	6/1/2015	6/10/2015
P0991-03C	AQ	5/28/2015	5/30/2015	6/1/2015	6/10/2015
P0991-03CDL	AQ	5/28/2015	5/30/2015	6/1/2015	6/12/2015
P0991-04C	AQ	5/28/2015	5/30/2015	6/1/2015	6/10/2015
P0991-04CDL	AQ	5/28/2015	5/30/2015	6/1/2015	6/12/2015
P0991-05C	AQ	5/28/2015	5/30/2015	6/1/2015	6/10/2015
P0991-06C	AQ	5/28/2015	5/30/2015	6/1/2015	6/10/2015
P0991-07C	AQ	5/28/2015	5/30/2015	6/1/2015	6/10/2015
P0991-08C	AQ	5/28/2015	5/30/2015	6/1/2015	6/11/2015
P0991-09C	AQ	5/28/2015	5/30/2015	6/1/2015	6/11/2015
P0991-10C	AQ	5/28/2015	5/30/2015	6/1/2015	6/11/2015
P0991-11C	AQ	5/28/2015	5/30/2015	6/1/2015	6/11/2015
P0991-12C	AQ	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0991-13C	AQ	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0991-14C	AQ	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0991-15C	AQ	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0991-16C	AQ	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0991-17C	AQ	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0991-18C	AQ	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0991-19C	AQ	5/28/2015	5/30/2015	6/2/2015	6/9/2015
P0991-20C	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-20CMS	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-20CMSD	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-21C	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-22C	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-23C	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-24C	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-25C	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-26C	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-27C	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-28C	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-29C	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-29CMS	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015
P0991-29CMSD	AQ	5/29/2015	5/30/2015	6/2/2015	6/9/2015

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Buffalo Lakeside **SDG :** P0991

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270_W					
P0991-01C	AQ	SW8270_W	3510C	NA	1
P0991-02C	AQ	SW8270_W	3510C	NA	1
P0991-03C	AQ	SW8270_W	3510C	NA	1
P0991-03CDL	AQ	SW8270_W	3510C	NA	5
P0991-04C	AQ	SW8270_W	3510C	NA	1
P0991-04CDL	AQ	SW8270_W	3510C	NA	5
P0991-05C	AQ	SW8270_W	3510C	NA	1
P0991-06C	AQ	SW8270_W	3510C	NA	1
P0991-07C	AQ	SW8270_W	3510C	NA	1
P0991-08C	AQ	SW8270_W	3510C	NA	1
P0991-09C	AQ	SW8270_W	3510C	NA	1
P0991-10C	AQ	SW8270_W	3510C	NA	1
P0991-11C	AQ	SW8270_W	3510C	NA	1
P0991-12C	AQ	SW8270_W	3510C	NA	1
P0991-13C	AQ	SW8270_W	3510C	NA	1
P0991-14C	AQ	SW8270_W	3510C	NA	1
P0991-15C	AQ	SW8270_W	3510C	NA	1
P0991-16C	AQ	SW8270_W	3510C	NA	1
P0991-17C	AQ	SW8270_W	3510C	NA	1
P0991-18C	AQ	SW8270_W	3510C	NA	1
P0991-19C	AQ	SW8270_W	3510C	NA	1
P0991-20C	AQ	SW8270_W	3510C	NA	1
P0991-20CMS	AQ	SW8270_W	3510C	NA	1
P0991-20CMSD	AQ	SW8270_W	3510C	NA	1
P0991-21C	AQ	SW8270_W	3510C	NA	1
P0991-22C	AQ	SW8270_W	3510C	NA	1
P0991-23C	AQ	SW8270_W	3510C	NA	1
P0991-24C	AQ	SW8270_W	3510C	NA	1
P0991-25C	AQ	SW8270_W	3510C	NA	1
P0991-26C	AQ	SW8270_W	3510C	NA	1
P0991-27C	AQ	SW8270_W	3510C	NA	1
P0991-28C	AQ	SW8270_W	3510C	NA	1
P0991-29C	AQ	SW8270_W	3510C	NA	1
P0991-29CMS	AQ	SW8270_W	3510C	NA	1
P0991-29CMSD	AQ	SW8270_W	3510C	NA	1

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** P0991

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010_W				
P0991-01B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-02B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-03B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-04B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-05B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-06B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-07B	AQ	SW6010_W	5/30/2015	6/10/2015
P0991-08B	AQ	SW6010_W	5/30/2015	6/10/2015
P0991-09B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-10B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-11B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-12B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-13B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-14B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-15B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-16B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-17B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-18B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-19B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-20B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-20BDUP	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-20BMS	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-21B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-22B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-23B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-24B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-25B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-26B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-27B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-28B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-29B	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-29BDUP	AQ	SW6010_W	5/30/2015	6/9/2015
P0991-29BMS	AQ	SW6010_W	5/30/2015	6/9/2015
SW7470				

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Buffalo Lakeside **SDG :** P0991

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
P0991-01B	AQ	SW7470	5/30/2015	6/10/2015
P0991-02B	AQ	SW7470	5/30/2015	6/10/2015
P0991-03B	AQ	SW7470	5/30/2015	6/10/2015
P0991-04B	AQ	SW7470	5/30/2015	6/10/2015
P0991-05B	AQ	SW7470	5/30/2015	6/10/2015
P0991-06B	AQ	SW7470	5/30/2015	6/10/2015
P0991-07B	AQ	SW7470	5/30/2015	6/10/2015
P0991-08B	AQ	SW7470	5/30/2015	6/10/2015
P0991-09B	AQ	SW7470	5/30/2015	6/10/2015
P0991-10B	AQ	SW7470	5/30/2015	6/10/2015
P0991-11B	AQ	SW7470	5/30/2015	6/10/2015
P0991-12B	AQ	SW7470	5/30/2015	6/10/2015
P0991-13B	AQ	SW7470	5/30/2015	6/10/2015
P0991-14B	AQ	SW7470	5/30/2015	6/10/2015
P0991-15B	AQ	SW7470	5/30/2015	6/10/2015
P0991-16B	AQ	SW7470	5/30/2015	6/10/2015
P0991-17B	AQ	SW7470	5/30/2015	6/10/2015
P0991-18B	AQ	SW7470	5/30/2015	6/10/2015
P0991-19B	AQ	SW7470	5/30/2015	6/10/2015
P0991-20B	AQ	SW7470	5/30/2015	6/10/2015
P0991-20BDUP	AQ	SW7470	5/30/2015	6/10/2015
P0991-20BMS	AQ	SW7470	5/30/2015	6/10/2015
P0991-21B	AQ	SW7470	5/30/2015	6/11/2015
P0991-22B	AQ	SW7470	5/30/2015	6/11/2015
P0991-23B	AQ	SW7470	5/30/2015	6/11/2015
P0991-24B	AQ	SW7470	5/30/2015	6/11/2015
P0991-25B	AQ	SW7470	5/30/2015	6/11/2015
P0991-26B	AQ	SW7470	5/30/2015	6/11/2015
P0991-27B	AQ	SW7470	5/30/2015	6/11/2015
P0991-28B	AQ	SW7470	5/30/2015	6/11/2015
P0991-29B	AQ	SW7470	5/30/2015	6/11/2015
P0991-29BDUP	AQ	SW7470	5/30/2015	6/11/2015
P0991-29BMS	AQ	SW7470	5/30/2015	6/11/2015

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0991

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0991-01A	CB-20-052815	05/28/2015 09:00	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-01B	CB-20-052815	05/28/2015 09:00	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-01B	CB-20-052815	05/28/2015 09:00	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-01C	CB-20-052815	05/28/2015 09:00	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-02A	CB-20-F-052815	05/28/2015 09:10	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--					SUB
P0991-02B	CB-20-F-052815	05/28/2015 09:10	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL				Y	M2
P0991-02B	CB-20-F-052815	05/28/2015 09:10	05/30/2015	Aqueous	SW7470	FILTERED / TAL					M2
P0991-02C	CB-20-F-052815	05/28/2015 09:10	05/30/2015	Aqueous	SW8270_W	FILTERED /				Y	O2
P0991-03A	CB-21-052815	05/28/2015 10:50	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-03B	CB-21-052815	05/28/2015 10:50	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-03B	CB-21-052815	05/28/2015 10:50	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-03C	CB-21-052815	05/28/2015 10:50	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-04A	CB-21-F-052815	05/28/2015 11:00	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--					SUB
P0991-04B	CB-21-F-052815	05/28/2015 11:00	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL				Y	M2
P0991-04B	CB-21-F-052815	05/28/2015 11:00	05/30/2015	Aqueous	SW7470	FILTERED / TAL					M2
P0991-04C	CB-21-F-052815	05/28/2015 11:00	05/30/2015	Aqueous	SW8270_W	FILTERED /				Y	O2
P0991-05A	CB-22-052815	05/28/2015 11:35	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-05B	CB-22-052815	05/28/2015 11:35	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-05B	CB-22-052815	05/28/2015 11:35	05/30/2015	Aqueous	SW7470	/ TAL					M2

HF = Fraction logged in but all tests have been placed on hold

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06/03/2015 11:17 Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0991

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0991-05C	CB-22-052815	05/28/2015 11:35	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-06A	CB-22-F-052815	05/28/2015 11:45	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--					SUB
P0991-06B	CB-22-F-052815	05/28/2015 11:45	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL				Y	M2
P0991-06B	CB-22-F-052815	05/28/2015 11:45	05/30/2015	Aqueous	SW7470	FILTERED / TAL					M2
P0991-06C	CB-22-F-052815	05/28/2015 11:45	05/30/2015	Aqueous	SW8270_W	FILTERED /				Y	O2
P0991-07A	CB-23-052815	05/28/2015 12:15	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-07B	CB-23-052815	05/28/2015 12:15	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-07B	CB-23-052815	05/28/2015 12:15	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-07C	CB-23-052815	05/28/2015 12:15	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-08A	CB-23-F-052815	05/28/2015 12:25	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--					SUB
P0991-08B	CB-23-F-052815	05/28/2015 12:25	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL				Y	M2
P0991-08B	CB-23-F-052815	05/28/2015 12:25	05/30/2015	Aqueous	SW7470	FILTERED / TAL					M2
P0991-08C	CB-23-F-052815	05/28/2015 12:25	05/30/2015	Aqueous	SW8270_W	FILTERED /				Y	O2
P0991-09A	CB-18-052815	05/28/2015 12:50	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-09B	CB-18-052815	05/28/2015 12:50	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-09B	CB-18-052815	05/28/2015 12:50	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-09C	CB-18-052815	05/28/2015 12:50	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-10A	CB-18-F-052815	05/28/2015 13:00	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--					SUB
P0991-10B	CB-18-F-052815	05/28/2015 13:00	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL				Y	M2

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0991

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0991-10B	CB-18-F-052815	05/28/2015 13:00	05/30/2015	Aqueous	SW7470	FILTERED / TAL					M2
P0991-10C	CB-18-F-052815	05/28/2015 13:00	05/30/2015	Aqueous	SW8270_W	FILTERED /				Y	O2
P0991-11A	CB-24-052815	05/28/2015 13:30	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-11B	CB-24-052815	05/28/2015 13:30	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-11B	CB-24-052815	05/28/2015 13:30	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-11C	CB-24-052815	05/28/2015 13:30	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-12A	CB-24-F-052815	05/28/2015 13:40	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--					SUB
P0991-12B	CB-24-F-052815	05/28/2015 13:40	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL				Y	M2
P0991-12B	CB-24-F-052815	05/28/2015 13:40	05/30/2015	Aqueous	SW7470	FILTERED / TAL					M2
P0991-12C	CB-24-F-052815	05/28/2015 13:40	05/30/2015	Aqueous	SW8270_W	FILTERED /				Y	O2
P0991-13A	CB-19-052815	05/28/2015 14:10	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-13B	CB-19-052815	05/28/2015 14:10	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-13B	CB-19-052815	05/28/2015 14:10	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-13C	CB-19-052815	05/28/2015 14:10	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-14A	CB-19-F-052815	05/28/2015 14:20	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--					SUB
P0991-14B	CB-19-F-052815	05/28/2015 14:20	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL				Y	M2
P0991-14B	CB-19-F-052815	05/28/2015 14:20	05/30/2015	Aqueous	SW7470	FILTERED / TAL					M2
P0991-14C	CB-19-F-052815	05/28/2015 14:20	05/30/2015	Aqueous	SW8270_W	FILTERED /				Y	O2
P0991-15A	CB-25-052815	05/28/2015 14:30	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0991

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0991-15B	CB-25-052815	05/28/2015 14:30	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-15B	CB-25-052815	05/28/2015 14:30	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-15C	CB-25-052815	05/28/2015 14:30	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-16A	CB-25-F-052815	05/28/2015 14:40	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--					SUB
P0991-16B	CB-25-F-052815	05/28/2015 14:40	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL				Y	M2
P0991-16B	CB-25-F-052815	05/28/2015 14:40	05/30/2015	Aqueous	SW7470	FILTERED / TAL					M2
P0991-16C	CB-25-F-052815	05/28/2015 14:40	05/30/2015	Aqueous	SW8270_W	FILTERED /				Y	O2
P0991-17A	CB-12-052815	05/28/2015 14:50	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-17B	CB-12-052815	05/28/2015 14:50	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-17B	CB-12-052815	05/28/2015 14:50	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-17C	CB-12-052815	05/28/2015 14:50	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-18A	CB-DUP-01-052815	05/28/2015 00:00	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-18B	CB-DUP-01-052815	05/28/2015 00:00	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-18B	CB-DUP-01-052815	05/28/2015 00:00	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-18C	CB-DUP-01-052815	05/28/2015 00:00	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-19A	CB-12-F-052815	05/28/2015 15:00	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--					SUB
P0991-19B	CB-12-F-052815	05/28/2015 15:00	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL				Y	M2
P0991-19B	CB-12-F-052815	05/28/2015 15:00	05/30/2015	Aqueous	SW7470	FILTERED / TAL					M2
P0991-19C	CB-12-F-052815	05/28/2015 15:00	05/30/2015	Aqueous	SW8270_W	FILTERED /				Y	O2

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0991

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0991-20A	CB-26-052915	05/29/2015 08:00	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--			Y		SUB
P0991-20B	CB-26-052915	05/29/2015 08:00	05/30/2015	Aqueous	SW6010_W	/ TAL			Y	Y	M2
P0991-20B	CB-26-052915	05/29/2015 08:00	05/30/2015	Aqueous	SW7470	/ TAL			Y		M2
P0991-20C	CB-26-052915	05/29/2015 08:00	05/30/2015	Aqueous	SW8270_W	/			Y	Y	O2
P0991-21A	CB-26-F-052915	05/29/2015 08:15	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--					SUB
P0991-21B	CB-26-F-052915	05/29/2015 08:15	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL				Y	M2
P0991-21B	CB-26-F-052915	05/29/2015 08:15	05/30/2015	Aqueous	SW7470	FILTERED / TAL					M2
P0991-21C	CB-26-F-052915	05/29/2015 08:15	05/30/2015	Aqueous	SW8270_W	FILTERED /				Y	O2
P0991-22A	CB-27-052915	05/29/2015 08:35	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-22B	CB-27-052915	05/29/2015 08:35	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-22B	CB-27-052915	05/29/2015 08:35	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-22C	CB-27-052915	05/29/2015 08:35	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-23A	CB-27-F-052915	05/29/2015 08:40	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--					SUB
P0991-23B	CB-27-F-052915	05/29/2015 08:40	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL				Y	M2
P0991-23B	CB-27-F-052915	05/29/2015 08:40	05/30/2015	Aqueous	SW7470	FILTERED / TAL					M2
P0991-23C	CB-27-F-052915	05/29/2015 08:40	05/30/2015	Aqueous	SW8270_W	FILTERED /				Y	O2
P0991-24A	CB-DUP-01-052915	05/29/2015 09:40	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-24B	CB-DUP-01-052915	05/29/2015 09:40	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-24B	CB-DUP-01-052915	05/29/2015 09:40	05/30/2015	Aqueous	SW7470	/ TAL					M2

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Lab Client Rep: Agnes R Huntley

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0991

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0991-24C	CB-DUP-01-052915	05/29/2015 09:40	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-25A	CB-28-052915	05/29/2015 09:40	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-25B	CB-28-052915	05/29/2015 09:40	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-25B	CB-28-052915	05/29/2015 09:40	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-25C	CB-28-052915	05/29/2015 09:40	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-26A	CB-DUP-02-052915	05/29/2015 00:00	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-26B	CB-DUP-02-052915	05/29/2015 00:00	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-26B	CB-DUP-02-052915	05/29/2015 00:00	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-26C	CB-DUP-02-052915	05/29/2015 00:00	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-27A	CB-28-F-052915	05/29/2015 09:50	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--					SUB
P0991-27B	CB-28-F-052915	05/29/2015 09:50	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL				Y	M2
P0991-27B	CB-28-F-052915	05/29/2015 09:50	05/30/2015	Aqueous	SW7470	FILTERED / TAL					M2
P0991-27C	CB-28-F-052915	05/29/2015 09:50	05/30/2015	Aqueous	SW8270_W	FILTERED /				Y	O2
P0991-28A	CB-29-052915	05/29/2015 10:25	05/30/2015	Aqueous	SW9012_W	/ SPECTRUM--					SUB
P0991-28B	CB-29-052915	05/29/2015 10:25	05/30/2015	Aqueous	SW6010_W	/ TAL				Y	M2
P0991-28B	CB-29-052915	05/29/2015 10:25	05/30/2015	Aqueous	SW7470	/ TAL					M2
P0991-28C	CB-29-052915	05/29/2015 10:25	05/30/2015	Aqueous	SW8270_W	/				Y	O2
P0991-29A	CB-29-F-052915	05/29/2015 10:30	05/30/2015	Aqueous	SW9012_W	FILTERED / SPECTRUM--			Y		SUB
P0991-29B	CB-29-F-052915	05/29/2015 10:30	05/30/2015	Aqueous	SW6010_W	FILTERED / TAL			Y	Y	M2

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Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

WorkOrder: P0991

Client ID: CDM_LATHAM
Project: Buffalo Lakeside
WO Name: Buffalo Lakeside
Location: CDM_BUFFALO_LAKESIDE,
Comments: N/A

Case:
SDG:
PO:

HC Due: 06/11/15
Fax Due:
Fax Report: ☐

Report Level: ASP-B
Special Program:
EDD: EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P0991-29B	CB-29-F-052915	05/29/2015 10:30	05/30/2015	Aqueous	SW7470	FILTERED / TAL			Y		M2
P0991-29C	CB-29-F-052915	05/29/2015 10:30	05/30/2015	Aqueous	SW8270_W	FILTERED /			Y	Y	O2

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* Semivolatile Organics *

REPORT NARRATIVE

Spectrum Analytical, Inc. RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: P0991

SW846 8270D, SVOA by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8270D

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3510C

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: S3
Instrument Type: GCMS-SEMI

Description: HP6890 / HP5973
Manufacturer: Hewlett-Packard
Model: 6890 / 5973
GC Column used: 30 m X 0.25 mm ID [0.25 um thickness] ZB-Semi capillary column.

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits with the following exceptions. Please note that the acceptance criteria allow one surrogate recovery outside of the QC limits per fraction.

CB-20-F-052815 (P0991-02C-DISS), recovery is below criteria for Terphenyl-d14 at 32% with criteria of (50-135).

CB-21-052815 (P0991-03C), recovery is below criteria for Terphenyl-d14 at 37% with criteria of (50-135).

CB-21-052815 (P0991-03CDL) Surrogate outside of QC limit due to dilution, recovery is below criteria for Terphenyl-d14 at 40% with criteria of (50-135).

CB-21-F-052815 (P0991-04C-DISS), recovery is below criteria for Terphenyl-d14 at 30% with criteria of (50-135).

CB-21-F-052815 (P0991-04CDL-DISS) Surrogate outside of QC limit due to dilution, recovery is below criteria for Terphenyl-d14 at 33% with criteria of (50-135).

CB-22-052815 (P0991-05C), recovery is below criteria for Terphenyl-d14 at 36% with criteria of (50-135).

CB-22-F-052815 (P0991-06C-DISS), recovery is below criteria for Terphenyl-d14 at 35% with criteria of (50-135).

CB-23-052815 (P0991-07C), recovery is below criteria for Terphenyl-d14 at 31% with criteria of (50-135).

CB-23-F-052815 (P0991-08C-DISS), recovery is below criteria for 2-Fluorophenol at 14% with criteria of (20-110) and Terphenyl-d14 at 29% with criteria of (50-135).

CB-18-052815 (P0991-09C), recovery is below criteria for 2-Fluorophenol at 19% with criteria of (20-110) and Phenol-d5 at 9% with criteria of (10-115).

CB-18-F-052815 (P0991-10C-DISS), recovery is below criteria for 2,4,6-Tribromophenol at 37% with criteria of (40-125), 2-Fluorophenol at 9% with criteria of (20-110), Phenol-d5 at 6% with criteria of (10-115) and Terphenyl-d14 at 30% with criteria of (50-135).

CB-24-052815 (P0991-11C), recovery is below criteria for Terphenyl-d14 at 47% with criteria of (50-135).

CB-12-052815 (P0991-17C), recovery is below criteria for Terphenyl-d14 at 30% with criteria of (50-135).

CB-DUP-01-052815 (P0991-18C), recovery is below criteria for Terphenyl-d14 at 36% with criteria of (50-135).

CB-12-F-052815 (P0991-19C-DISS), recovery is below criteria for 2,4,6-Tribromophenol at 31% with criteria of (40-125), 2-Fluorophenol at 12% with criteria of (20-110), Phenol-d5 at 8% with criteria of (10-115) and Terphenyl-d14 at 45% with criteria of (50-135).

CB-26-052915 (P0991-20CMS), recovery is below criteria for 2-Fluorophenol at 16% with criteria of (20-110).

CB-29-052915 (P0991-28C), recovery is below criteria for 2,4,6-Tribromophenol at 29% with criteria of (40-125), 2-Fluorobiphenyl at 26% with criteria of (50-110), 2-Fluorophenol at 9% with criteria of (20-110), Nitrobenzene-d5 at 24% with criteria of (40-110), Phenol-d5 at 5% with criteria of (10-115) and Terphenyl-d14 at 22% with criteria of (50-135).

Due to limited sample volume re-extraction could not be performed for samples with more than one surrogate out per fraction.

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

Matrix spikes were performed on samples: CB-26-052915 (P0991-20CMS), CB-26-052915 (P0991-20CMSD), CB-29-F-052915 (P0991-29CMS) and CB-29-F-052915 (P0991-29CMSD).

Percent recoveries were within the QC limits with the following exceptions:

CB-26-052915 (P0991-20CMS), recovery is below criteria for 2-Methylphenol at 31% with criteria of (40-110) and 4-Methylphenol at 29% with criteria of (30-110).

CB-29-F-052915 (P0991-29CMSD-DISS), recovery is below criteria for 2-Methylphenol at 39% with criteria of (40-110).

Replicate RPDs were within the advisory QC limits.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

The following samples were analyzed at dilution:

CB-21-052815 (P0991-03CDL) : Dilution Factor: 5
CB-21-F-052815 (P0991-04CDL-DISS) : Dilution Factor: 5

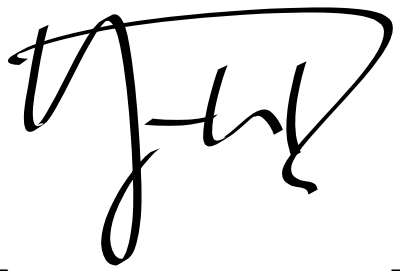
G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

No manual integrations were performed on any sample or standard.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____6/16/2015_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-20-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-01C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4255.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/10/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-20-F-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-02C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4256.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/10/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-21-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-03C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4257.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/10/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	7.7	J
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	210	E
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-21-052815DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-03CDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4303.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	7.6	DJ
95-48-7	2-Methylphenol	50	U
106-44-5	4-Methylphenol	230	D
91-20-3	Naphthalene	50	U
208-96-8	Acenaphthylene	50	U
83-32-9	Acenaphthene	50	U
86-73-7	Fluorene	50	U
87-86-5	Pentachlorophenol	100	U
85-01-8	Phenanthrene	50	U
120-12-7	Anthracene	50	U
206-44-0	Fluoranthene	50	U
129-00-0	Pyrene	50	U
56-55-3	Benzo(a)anthracene	50	U
218-01-9	Chrysene	50	U
205-99-2	Benzo(b)fluoranthene	50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	50	U
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenzo(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-21-F-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-04C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4258.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/10/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	250	E
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-21-F-052815DL

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-04CDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4304.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/12/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9.7	DJ
95-48-7	2-Methylphenol	50	U
106-44-5	4-Methylphenol	270	D
91-20-3	Naphthalene	50	U
208-96-8	Acenaphthylene	50	U
83-32-9	Acenaphthene	50	U
86-73-7	Fluorene	50	U
87-86-5	Pentachlorophenol	100	U
85-01-8	Phenanthrene	50	U
120-12-7	Anthracene	50	U
206-44-0	Fluoranthene	50	U
129-00-0	Pyrene	50	U
56-55-3	Benzo(a)anthracene	50	U
218-01-9	Chrysene	50	U
205-99-2	Benzo(b)fluoranthene	50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	50	U
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenzo(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-22-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-05C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4259.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/10/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-22-F-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-06C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4260.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/10/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-23-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-07C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4261.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/10/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-23-F-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-08C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4262.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	3.6	J
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	4.7	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-18-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-09C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4263.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-18-F-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-10C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4264.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	2.0	J
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	6.0	J
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	2.5	J
86-73-7	Fluorene	2.4	J
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	4.2	J
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-24-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-11C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4265.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/11/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-24-F-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-12C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4185.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-19-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-13C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4186.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-19-F-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-14C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4187.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-25-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-15C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4188.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-25-F-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-16C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4189.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-12-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-17C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4190.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-DUP-01-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-18C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4191.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-12-F-052815

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-19C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4192.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-26-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-20C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4193.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-26-F-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-21C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4196.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-27-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-22C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4197.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-27-F-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-23C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4198.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-DUP-01-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-24C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4199.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-28-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-25C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4200.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-DUP-02-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-26C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4201.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-28-F-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-27C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4202.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-29-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-28C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4203.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-29-F-052915

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-29C

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4214.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-82314

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-82314

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4242.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/10/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-82331

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-82331

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4182.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
86-73-7	Fluorene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-82314

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-82314

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4243.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/01/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/10/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	33	
95-48-7	2-Methylphenol	32	
106-44-5	4-Methylphenol	33	
91-20-3	Naphthalene	35	
208-96-8	Acenaphthylene	38	
83-32-9	Acenaphthene	38	
86-73-7	Fluorene	38	
87-86-5	Pentachlorophenol	35	
85-01-8	Phenanthrene	40	
120-12-7	Anthracene	38	
206-44-0	Fluoranthene	38	
129-00-0	Pyrene	39	
56-55-3	Benzo(a)anthracene	42	
218-01-9	Chrysene	39	
205-99-2	Benzo(b)fluoranthene	40	
207-08-9	Benzo(k)fluoranthene	39	
50-32-8	Benzo(a)pyrene	38	
193-39-5	Indeno(1,2,3-cd)pyrene	39	
53-70-3	Dibenzo(a,h)anthracene	38	
191-24-2	Benzo(g,h,i)perylene	38	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-82331

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-82331

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4183.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	9.3	J
95-48-7	2-Methylphenol	22	
106-44-5	4-Methylphenol	20	
91-20-3	Naphthalene	33	
208-96-8	Acenaphthylene	36	
83-32-9	Acenaphthene	36	
86-73-7	Fluorene	38	
87-86-5	Pentachlorophenol	36	
85-01-8	Phenanthrene	39	
120-12-7	Anthracene	37	
206-44-0	Fluoranthene	37	
129-00-0	Pyrene	38	
56-55-3	Benzo(a)anthracene	40	
218-01-9	Chrysene	38	
205-99-2	Benzo(b)fluoranthene	39	
207-08-9	Benzo(k)fluoranthene	37	
50-32-8	Benzo(a)pyrene	38	
193-39-5	Indeno(1,2,3-cd)pyrene	39	
53-70-3	Dibenzo(a,h)anthracene	39	
191-24-2	Benzo(g,h,i)perylene	39	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-26-052915MS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-20CMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4194.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	6.1	J
95-48-7	2-Methylphenol	15	
106-44-5	4-Methylphenol	14	
91-20-3	Naphthalene	25	
208-96-8	Acenaphthylene	32	
83-32-9	Acenaphthene	32	
86-73-7	Fluorene	33	
87-86-5	Pentachlorophenol	33	
85-01-8	Phenanthrene	34	
120-12-7	Anthracene	33	
206-44-0	Fluoranthene	33	
129-00-0	Pyrene	34	
56-55-3	Benzo(a)anthracene	35	
218-01-9	Chrysene	34	
205-99-2	Benzo(b)fluoranthene	34	
207-08-9	Benzo(k)fluoranthene	32	
50-32-8	Benzo(a)pyrene	33	
193-39-5	Indeno(1,2,3-cd)pyrene	35	
53-70-3	Dibenzo(a,h)anthracene	33	
191-24-2	Benzo(g,h,i)perylene	33	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-26-052915MSD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-20CMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4195.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	8.6	J
95-48-7	2-Methylphenol	21	
106-44-5	4-Methylphenol	19	
91-20-3	Naphthalene	33	
208-96-8	Acenaphthylene	35	
83-32-9	Acenaphthene	36	
86-73-7	Fluorene	37	
87-86-5	Pentachlorophenol	38	
85-01-8	Phenanthrene	37	
120-12-7	Anthracene	36	
206-44-0	Fluoranthene	35	
129-00-0	Pyrene	37	
56-55-3	Benzo(a)anthracene	38	
218-01-9	Chrysene	37	
205-99-2	Benzo(b)fluoranthene	35	
207-08-9	Benzo(k)fluoranthene	37	
50-32-8	Benzo(a)pyrene	36	
193-39-5	Indeno(1,2,3-cd)pyrene	37	
53-70-3	Dibenzo(a,h)anthracene	37	
191-24-2	Benzo(g,h,i)perylene	36	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-29-F-052915MS

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-29CMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4215.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	8.2	J
95-48-7	2-Methylphenol	20	
106-44-5	4-Methylphenol	18	
91-20-3	Naphthalene	31	
208-96-8	Acenaphthylene	37	
83-32-9	Acenaphthene	38	
86-73-7	Fluorene	39	
87-86-5	Pentachlorophenol	36	
85-01-8	Phenanthrene	39	
120-12-7	Anthracene	38	
206-44-0	Fluoranthene	38	
129-00-0	Pyrene	38	
56-55-3	Benzo(a)anthracene	39	
218-01-9	Chrysene	39	
205-99-2	Benzo(b)fluoranthene	40	
207-08-9	Benzo(k)fluoranthene	37	
50-32-8	Benzo(a)pyrene	38	
193-39-5	Indeno(1,2,3-cd)pyrene	39	
53-70-3	Dibenzo(a,h)anthracene	38	
191-24-2	Benzo(g,h,i)perylene	38	

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CB-29-F-052915MSD

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P0991-29CMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3J4216.D

Level: (LOW/MED) LOW Extraction: (Type) SEPF

% Moisture: Decanted: (Y/N) Date Received: 05/30/2015

Concentrated Extract Volume: 1000 (uL) Date Extracted: 06/02/2015

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 06/09/2015

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	8.5	J
95-48-7	2-Methylphenol	19	
106-44-5	4-Methylphenol	18	
91-20-3	Naphthalene	31	
208-96-8	Acenaphthylene	35	
83-32-9	Acenaphthene	35	
86-73-7	Fluorene	37	
87-86-5	Pentachlorophenol	34	
85-01-8	Phenanthrene	38	
120-12-7	Anthracene	37	
206-44-0	Fluoranthene	37	
129-00-0	Pyrene	36	
56-55-3	Benzo(a)anthracene	37	
218-01-9	Chrysene	37	
205-99-2	Benzo(b)fluoranthene	38	
207-08-9	Benzo(k)fluoranthene	35	
50-32-8	Benzo(a)pyrene	36	
193-39-5	Indeno(1,2,3-cd)pyrene	37	
53-70-3	Dibenzo(a,h)anthracene	36	
191-24-2	Benzo(g,h,i)perylene	36	

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
01	MB-82331	78	78	73	18	32	84			0
02	LCS-82331	76	75	73	17	28	79			0
03	CB-24-F-052815	72	71	68	19	27	77			0
04	CB-19-052815	77	75	72	16	28	82			0
05	CB-19-F-052815	63	67	72	13	21	79			0
06	CB-25-052815	72	72	69	14	25	84			0
07	CB-25-F-052815	76	74	68	16	27	80			0
08	CB-12-052815	55	51	30 *	12	21	59			1
09	CB-DUP-01-052815	71	66	36 *	15	26	70			1
10	CB-12-F-052815	66	61	45 *	8 *	12 *	31 *			4
11	CB-26-052915	70	68	71	14	25	80			0
12	CB-26-052915MS	51	59	64	10	16 *	68			1
13	CB-26-052915MSD	76	74	74	15	26	78			0
14	CB-26-F-052915	66	67	64	15	28	80			0
15	CB-27-052915	69	69	59	28	44	78			0
16	CB-27-F-052915	70	69	68	15	27	80			0
17	CB-DUP-01-052915	77	79	70	17	30	83			0
18	CB-28-052915	70	71	50	16	28	73			0

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(40-110)
SDMC2	(FBP) = 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH) = Terphenyl-d14	(50-135)
SDMC4	(PHL) = Phenol-d5	(10-115)
SDMC5	(2FP) = 2-Fluorophenol	(20-110)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
19	CB-DUP-02-052915	73	73	64	14	26	80			0
20	CB-28-F-052915	63	64	55	12	23	73			0
21	CB-29-052915	24 *	26 *	22 *	5 *	9 *	29 *			6
22	CB-29-F-052915	67	68	51	14	24	82			0
23	CB-29-F-052915MS	69	75	63	15	26	81			0
24	CB-29-F-052915MSD	67	67	60	15	25	76			0
25	MB-82314	64	64	57	18	35	70			0
26	LCS-82314	76	77	70	19	37	81			0
27	CB-20-052815	81	82	60	11	23	83			0
28	CB-20-F-052815	68	68	32 *	16	32	76			1
29	CB-21-052815	78	76	37 *	16	29	87			1
30	CB-21-F-052815	76	75	30 *	20	35	80			1
31	CB-22-052815	67	65	36 *	17	32	71			1
32	CB-22-F-052815	77	76	35 *	23	40	85			1
33	CB-23-052815	72	73	31 *	20	36	81			1
34	CB-23-F-052815	59	60	29 *	12	14 *	47			2
35	CB-18-052815	79	78	56	9 *	19 *	75			2
36	CB-18-F-052815	66	63	30 *	6 *	9 *	37 *			4
37	CB-24-052815	71	71	47 *	16	32	79			1

		QC LIMITS
SDMC1	(NBZ) = Nitrobenzene-d5	(40-110)
SDMC2	(FBP) = 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH) = Terphenyl-d14	(50-135)
SDMC4	(PHL) = Phenol-d5	(10-115)
SDMC5	(2FP) = 2-Fluorophenol	(20-110)
SDMC6	(TBP) = 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

	CLIENT SAMPLE NO.	SDMC1 (NBZ) #	SDMC2 (FBP) #	SDMC3 (TPH) #	SDMC4 (PHL) #	SDMC5 (2FP) #	SDMC6 (TBP) #			TOT OUT
38	CB-21-052815 DL	77	81	40 D	15	28	87			1
39	CB-21-F-052815DL	73	79	33 D	18	34	82			1

			QC LIMITS
SDMC1	(NBZ)	= Nitrobenzene-d5	(40-110)
SDMC2	(FBP)	= 2-Fluorobiphenyl	(50-110)
SDMC3	(TPH)	= Terphenyl-d14	(50-135)
SDMC4	(PHL)	= Phenol-d5	(10-115)
SDMC5	(2FP)	= 2-Fluorophenol	(20-110)
SDMC6	(TBP)	= 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

som14.10.02.1616

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix Spike - EPA Sample No.: CB-26-052915

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	6.0583	12		0-115
2-Methylphenol	50.0000	0.0000	15.3117	31	*	40-110
4-Methylphenol	50.0000	0.0000	14.3910	29	*	30-110
Naphthalene	50.0000	0.0000	24.7958	50		40-100
Acenaphthylene	50.0000	0.0000	31.9515	64		50-105
Acenaphthene	50.0000	0.0000	32.2063	64		45-110
Fluorene	50.0000	0.0000	33.4786	67		50-110
Pentachlorophenol	50.0000	0.0000	33.2901	67		40-115
Phenanthrene	50.0000	0.0000	34.3966	69		50-115
Anthracene	50.0000	0.0000	33.3272	67		55-110
Fluoranthene	50.0000	0.0000	32.9470	66		55-115
Pyrene	50.0000	0.0000	33.6507	67		50-130
Benzo(a)anthracene	50.0000	0.0000	35.0575	70		55-110
Chrysene	50.0000	0.0000	34.2842	69		55-110
Benzo(b)fluoranthene	50.0000	0.0000	33.7146	67		45-120
Benzo(k)fluoranthene	50.0000	0.0000	31.6602	63		45-125
Benzo(a)pyrene	50.0000	0.0000	33.1002	66		55-110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	34.5202	69		45-125
Dibenzo(a,h)anthracene	50.0000	0.0000	33.1304	66		40-125
Benzo(g,h,i)perylene	50.0000	0.0000	33.0376	66		40-125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0000	8.5915	17		35		0-40	0-115
2-Methylphenol	50.0000	20.5717	41		29		0-40	40-110
4-Methylphenol	50.0000	18.6375	37		26		0-40	30-110
Naphthalene	50.0000	33.1247	66		29		0-40	40-100
Acenaphthylene	50.0000	35.3508	71		10		0-40	50-105
Acenaphthene	50.0000	35.9026	72		11		0-40	45-110
Fluorene	50.0000	36.9569	74		10		0-40	50-110
Pentachlorophenol	50.0000	37.8506	76		13		0-40	40-115
Phenanthrene	50.0000	36.9931	74		7		0-40	50-115
Anthracene	50.0000	36.1009	72		8		0-40	55-110
Fluoranthene	50.0000	35.4707	71		7		0-40	55-115
Pyrene	50.0000	36.9302	74		9		0-40	50-130
Benzo(a)anthracene	50.0000	38.2767	77		9		0-40	55-110
Chrysene	50.0000	37.0666	74		8		0-40	55-110
Benzo(b)fluoranthene	50.0000	35.3236	71		5		0-40	45-120
Benzo(k)fluoranthene	50.0000	36.9811	74		16		0-40	45-125
Benzo(a)pyrene	50.0000	35.9489	72		8		0-40	55-110
Indeno(1,2,3-cd)pyrene	50.0000	37.2383	74		8		0-40	45-125
Dibenzo(a,h)anthracene	50.0000	36.5538	73		10		0-40	40-125
Benzo(g,h,i)perylene	50.0000	36.2435	72		9		0-40	40-125

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix Spike - EPA Sample No.: CB-26-052915

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 2 out of 40 outside limits

COMMENTS:

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix Spike - EPA Sample No.: CB-29-F-052915

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	8.2357	16		0-115
2-Methylphenol	50.0000	0.0000	20.0362	40		40-110
4-Methylphenol	50.0000	0.0000	18.1862	36		30-110
Naphthalene	50.0000	0.0000	31.4266	63		40-100
Acenaphthylene	50.0000	0.0000	36.6837	73		50-105
Acenaphthene	50.0000	0.0000	37.7487	75		45-110
Fluorene	50.0000	0.0000	38.9439	78		50-110
Pentachlorophenol	50.0000	0.0000	35.7220	71		40-115
Phenanthrene	50.0000	0.0000	39.4069	79		50-115
Anthracene	50.0000	0.0000	38.3112	77		55-110
Fluoranthene	50.0000	0.0000	37.8583	76		55-115
Pyrene	50.0000	0.0000	38.0894	76		50-130
Benzo(a)anthracene	50.0000	0.0000	38.9909	78		55-110
Chrysene	50.0000	0.0000	39.1100	78		55-110
Benzo(b)fluoranthene	50.0000	0.0000	39.9436	80		45-120
Benzo(k)fluoranthene	50.0000	0.0000	37.0396	74		45-125
Benzo(a)pyrene	50.0000	0.0000	38.3858	77		55-110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	39.3881	79		45-125
Dibenzo(a,h)anthracene	50.0000	0.0000	38.3483	77		40-125
Benzo(g,h,i)perylene	50.0000	0.0000	38.4623	77		40-125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0000	8.5242	17		3		0-40	0-115
2-Methylphenol	50.0000	19.4509	39	*	3		0-40	40-110
4-Methylphenol	50.0000	17.5490	35		4		0-40	30-110
Naphthalene	50.0000	31.3661	63		0		0-40	40-100
Acenaphthylene	50.0000	34.9722	70		5		0-40	50-105
Acenaphthene	50.0000	35.2831	71		7		0-40	45-110
Fluorene	50.0000	37.4356	75		4		0-40	50-110
Pentachlorophenol	50.0000	34.2631	69		4		0-40	40-115
Phenanthrene	50.0000	37.7600	76		4		0-40	50-115
Anthracene	50.0000	36.6986	73		4		0-40	55-110
Fluoranthene	50.0000	36.7258	73		3		0-40	55-115
Pyrene	50.0000	36.4816	73		4		0-40	50-130
Benzo(a)anthracene	50.0000	37.3761	75		4		0-40	55-110
Chrysene	50.0000	37.0352	74		5		0-40	55-110
Benzo(b)fluoranthene	50.0000	37.5956	75		6		0-40	45-120
Benzo(k)fluoranthene	50.0000	34.8172	70		6		0-40	45-125
Benzo(a)pyrene	50.0000	36.3685	73		5		0-40	55-110
Indeno(1,2,3-cd)pyrene	50.0000	37.2626	75		6		0-40	45-125
Dibenzo(a,h)anthracene	50.0000	35.6928	71		7		0-40	40-125
Benzo(g,h,i)perylene	50.0000	36.1856	72		6		0-40	40-125

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Matrix Spike - EPA Sample No.: CB-29-F-052915

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 1 out of 40 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-82314

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Lab Sample ID: LCS-82314 LCS Lot No.: A0104828

Date Extracted: 06/01/2015 Date Analyzed (1): 06/10/2015

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	33.1164	66		0 - 115
2-Methylphenol	50.0000	0.0000	32.1318	64		40 - 110
4-Methylphenol	50.0000	0.0000	32.8403	66		30 - 110
Naphthalene	50.0000	0.0000	35.2144	70		40 - 100
Acenaphthylene	50.0000	0.0000	38.1565	76		50 - 105
Acenaphthene	50.0000	0.0000	37.6058	75		45 - 110
Fluorene	50.0000	0.0000	38.0841	76		50 - 110
Pentachlorophenol	50.0000	0.0000	35.3694	71		40 - 115
Phenanthrene	50.0000	0.0000	40.1302	80		50 - 115
Anthracene	50.0000	0.0000	38.3715	77		55 - 110
Fluoranthene	50.0000	0.0000	37.8540	76		55 - 115
Pyrene	50.0000	0.0000	39.4572	79		50 - 130
Benzo(a)anthracene	50.0000	0.0000	41.7267	83		55 - 110
Chrysene	50.0000	0.0000	39.1108	78		55 - 110
Benzo(b)fluoranthene	50.0000	0.0000	40.0125	80		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	38.6025	77		45 - 125
Benzo(a)pyrene	50.0000	0.0000	38.4677	77		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	38.8113	78		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	38.2776	77		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	38.0710	76		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-82331

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Lab Sample ID: LCS-82331 LCS Lot No.: A0104828

Date Extracted: 06/02/2015 Date Analyzed (1): 06/09/2015

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Phenol	50.0000	0.0000	9.3161	19		0 - 115
2-Methylphenol	50.0000	0.0000	22.2327	44		40 - 110
4-Methylphenol	50.0000	0.0000	20.0668	40		30 - 110
Naphthalene	50.0000	0.0000	33.4354	67		40 - 100
Acenaphthylene	50.0000	0.0000	36.0344	72		50 - 105
Acenaphthene	50.0000	0.0000	36.4381	73		45 - 110
Fluorene	50.0000	0.0000	37.5348	75		50 - 110
Pentachlorophenol	50.0000	0.0000	36.2965	73		40 - 115
Phenanthrene	50.0000	0.0000	38.7868	78		50 - 115
Anthracene	50.0000	0.0000	37.0175	74		55 - 110
Fluoranthene	50.0000	0.0000	36.9970	74		55 - 115
Pyrene	50.0000	0.0000	38.3353	77		50 - 130
Benzo(a)anthracene	50.0000	0.0000	40.2580	81		55 - 110
Chrysene	50.0000	0.0000	38.1647	76		55 - 110
Benzo(b)fluoranthene	50.0000	0.0000	39.3606	79		45 - 120
Benzo(k)fluoranthene	50.0000	0.0000	36.7277	73		45 - 125
Benzo(a)pyrene	50.0000	0.0000	37.9601	76		55 - 110
Indeno(1,2,3-cd)pyrene	50.0000	0.0000	39.4854	79		45 - 125
Dibenzo(a,h)anthracene	50.0000	0.0000	38.6413	77		40 - 125
Benzo(g,h,i)perylene	50.0000	0.0000	38.6863	77		40 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-82331

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Lab File ID: S3J4182.D Lab Sample ID: MB-82331

Instrument ID: S3 Date Extracted: 06/02/2015

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/09/2015

Level: (LOW/MED) LOW Time Analyzed: 12:18

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-82331	LCS-82331	S3J4183.D	06/09/2015
02	CB-24-F-052815	P0991-12C	S3J4185.D	06/09/2015
03	CB-19-052815	P0991-13C	S3J4186.D	06/09/2015
04	CB-19-F-052815	P0991-14C	S3J4187.D	06/09/2015
05	CB-25-052815	P0991-15C	S3J4188.D	06/09/2015
06	CB-25-F-052815	P0991-16C	S3J4189.D	06/09/2015
07	CB-12-052815	P0991-17C	S3J4190.D	06/09/2015
08	CB-DUP-01-052815	P0991-18C	S3J4191.D	06/09/2015
09	CB-12-F-052815	P0991-19C	S3J4192.D	06/09/2015
10	CB-26-052915	P0991-20C	S3J4193.D	06/09/2015
11	CB-26-052915MS	P0991-20CMS	S3J4194.D	06/09/2015
12	CB-26-052915MSD	P0991-20CMSD	S3J4195.D	06/09/2015
13	CB-26-F-052915	P0991-21C	S3J4196.D	06/09/2015
14	CB-27-052915	P0991-22C	S3J4197.D	06/09/2015
15	CB-27-F-052915	P0991-23C	S3J4198.D	06/09/2015
16	CB-DUP-01-052915	P0991-24C	S3J4199.D	06/09/2015
17	CB-28-052915	P0991-25C	S3J4200.D	06/09/2015
18	CB-DUP-02-052915	P0991-26C	S3J4201.D	06/09/2015
19	CB-28-F-052915	P0991-27C	S3J4202.D	06/09/2015

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-82331

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Lab File ID: S3J4182.D Lab Sample ID: MB-82331

Instrument ID: S3 Date Extracted: 06/02/2015

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/09/2015

Level: (LOW/MED) LOW Time Analyzed: 12:18

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

20	CB-29-052915	P0991-28C	S3J4203.D	06/09/2015
21	CB-29-F-052915	P0991-29C	S3J4214.D	06/09/2015
22	CB-29-F-052915MS	P0991-29CMS	S3J4215.D	06/09/2015
23	CB-29-F-052915MSD	P0991-29CMSD	S3J4216.D	06/09/2015

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-82314

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

Lab File ID: S3J4242.D Lab Sample ID: MB-82314

Instrument ID: S3 Date Extracted: 06/01/2015

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/10/2015

Level: (LOW/MED) LOW Time Analyzed: 16:01

Extraction: (Type) SEPF GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LCS-82314	LCS-82314	S3J4243.D	06/10/2015
02	CB-20-052815	P0991-01C	S3J4255.D	06/10/2015
03	CB-20-F-052815	P0991-02C	S3J4256.D	06/10/2015
04	CB-21-052815	P0991-03C	S3J4257.D	06/10/2015
05	CB-21-F-052815	P0991-04C	S3J4258.D	06/10/2015
06	CB-22-052815	P0991-05C	S3J4259.D	06/10/2015
07	CB-22-F-052815	P0991-06C	S3J4260.D	06/10/2015
08	CB-23-052815	P0991-07C	S3J4261.D	06/10/2015
09	CB-23-F-052815	P0991-08C	S3J4262.D	06/11/2015
10	CB-18-052815	P0991-09C	S3J4263.D	06/11/2015
11	CB-18-F-052815	P0991-10C	S3J4264.D	06/11/2015
12	CB-24-052815	P0991-11C	S3J4265.D	06/11/2015
13	CB-21-052815DL	P0991-03CDL	S3J4303.D	06/12/2015
14	CB-21-F-052815DL	P0991-04CDL	S3J4304.D	06/12/2015

COMMENTS:

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253A Date Analyzed: 06/09/2015

Lab File ID (Standard): S3J4181.D Time Analyzed: 11:26

Instrument ID: S3

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	118702		3.417		492134		5.356		274085		7.21	
	UPPER LIMIT	237404		3.917		984268		5.856		548170		7.71	
	LOWER LIMIT	59351		2.917		246067		4.856		137043		6.71	
	SAMPLE NO.												
01	MB-82331	116003		3.418		474134		5.351		259840		7.210	
02	LCS-82331	141307		3.422		588006		5.356		327862		7.215	
03	CB-24-F-052815	126891		3.419		529026		5.353		295412		7.207	
04	CB-19-052815	128606		3.418		533798		5.351		293944		7.210	
05	CB-19-F-052815	129185		3.420		536342		5.354		296943		7.208	
06	CB-25-052815	128438		3.420		541928		5.354		296311		7.208	
07	CB-25-F-052815	136562		3.419		569389		5.353		318770		7.207	
08	CB-12-052815	130901		3.417		556108		5.351		302319		7.210	
09	CB-DUP-01-052815	151367		3.421		629948		5.355		341921		7.208	
10	CB-12-F-052815	148754		3.420		616271		5.354		339561		7.207	
11	CB-26-052915	131075		3.420		547007		5.354		306219		7.208	
12	CB-26-052915MS	137536		3.418		578274		5.357		318580		7.211	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253A Date Analyzed: 06/09/2015

Lab File ID (Standard): S3J4181.D Time Analyzed: 11:26

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	118702		3.417		492134		5.356		274085		7.21	
	UPPER LIMIT	237404		3.917		984268		5.856		548170		7.71	
	LOWER LIMIT	59351		2.917		246067		4.856		137043		6.71	
	SAMPLE NO.												
13	CB-26-052915 MSD	129937		3.420		553435		5.354		306736		7.213	
14	CB-26-F-052915	142532		3.420		597458		5.354		327468		7.207	
15	CB-27-052915	144781		3.420		604954		5.354		329552		7.207	
16	CB-27-F-052915	145704		3.420		607315		5.354		330367		7.207	
17	CB-DUP-01-052915	115125		3.420		480286		5.354		264949		7.207	
18	CB-28-052915	125527		3.416		521586		5.349		286394		7.209	
19	CB-DUP-02-052915	124453		3.418		512754		5.352		282698		7.211	
20	CB-28-F-052915	128826		3.417		532943		5.350		289238		7.209	
21	CB-29-052915	138459		3.420		569929		5.354		312977		7.207	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

EPA Sample No.(SSTD020##) SSTD0253A Date Analyzed: 06/09/2015

Lab File ID (Standard): S3J4181.D Time Analyzed: 11:26

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	458960		8.498		409778		10.688		443603		12.136	
	UPPER LIMIT	917920		8.998		819556		11.188		887206		12.636	
	LOWER LIMIT	229480		7.998		204889		10.188		221802		11.636	
	SAMPLE NO.												
01	MB-82331	433548		8.493		396476		10.683		422875		12.125	
02	LCS-82331	545766		8.497		469594		10.687		523429		12.130	
03	CB-24-F-052815	484511		8.494		440119		10.674		469670		12.116	
04	CB-19-052815	490421		8.493		445682		10.677		475508		12.115	
05	CB-19-F-052815	490100		8.490		442477		10.675		466775		12.117	
06	CB-25-052815	491238		8.495		448335		10.675		472265		12.117	
07	CB-25-F-052815	528808		8.494		485715		10.674		511317		12.116	
08	CB-12-052815	491087		8.492		445856		10.672		468171		12.119	
09	CB-DUP-01-052815	551075		8.496		499762		10.675		529886		12.118	
10	CB-12-F-052815	563810		8.495		519698		10.674		549415		12.122	
11	CB-26-052915	501945		8.495		452300		10.675		491296		12.117	
12	CB-26-052915MS	523232		8.493		451428		10.678		506630		12.121	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

EPA Sample No.(SSTD020##) SSTD0253A Date Analyzed: 06/09/2015

Lab File ID (Standard): S3J4181.D Time Analyzed: 11:26

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	458960		8.498		409778		10.688		443603		12.136	
	UPPER LIMIT	917920		8.998		819556		11.188		887206		12.636	
	LOWER LIMIT	229480		7.998		204889		10.188		221802		11.636	
	SAMPLE NO.												
13	CB-26-052915 MSD	515678		8.495		442138		10.680		502317		12.117	
14	CB-26-F-052915	542906		8.495		507891		10.675		538156		12.117	
15	CB-27-052915	542877		8.495		497888		10.674		548628		12.117	
16	CB-27-F-052915	542413		8.495		488504		10.674		535821		12.111	
17	CB-DUP-01-052915	436642		8.489		401368		10.669		428829		12.111	
18	CB-28-052915	475547		8.491		443266		10.670		470516		12.113	
19	CB-DUP-02-052915	467032		8.493		431365		10.673		463893		12.110	
20	CB-28-F-052915	474594		8.492		445545		10.671		478305		12.114	
21	CB-29-052915	514483		8.490		472398		10.674		518379		12.112	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253B Date Analyzed: 06/09/2015

Lab File ID (Standard): S3J4212.D Time Analyzed: 21:24

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	116159		3.42		488267		5.353		271198		7.212	
	UPPER LIMIT	232318		3.92		976534		5.853		542396		7.712	
	LOWER LIMIT	58080		2.92		244134		4.853		135599		6.712	
	SAMPLE NO.												
01	CB-29-F-052915	134993		3.419		551993		5.353		300891		7.207	
02	CB-29-F-052915MS	126373		3.420		535972		5.353		289638		7.212	
03	CB-29-F-052915MSD	139883		3.420		583878		5.354		321019		7.213	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

EPA Sample No.(SSTD020##) SSTD0253B Date Analyzed: 06/09/2015

Lab File ID (Standard): S3J4212.D Time Analyzed: 21:24

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	460046		8.495		397656		10.674		439274		12.111	
	UPPER LIMIT	920092		8.995		795312		11.174		878548		12.611	
	LOWER LIMIT	230023		7.995		198828		10.174		219637		11.611	
	SAMPLE NO.												
01	CB-29-F-052915	503023		8.494		466355		10.674		497539		12.105	
02	CB-29-F-052915MS	480182		8.495		416802		10.674		457326		12.111	
03	CB-29-F-052915MSD	531481		8.495		466540		10.680		521956		12.117	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253D Date Analyzed: 06/10/2015

Lab File ID (Standard): S3J4241.D Time Analyzed: 15:03

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	98236		3.387		365895		5.326		189308		7.186	
	UPPER LIMIT	196472		3.887		731790		5.826		378616		7.686	
	LOWER LIMIT	49118		2.887		182948		4.826		94654		6.686	
	SAMPLE NO.												
01	MB-82314	79387		3.384		301811		5.323		152695		7.187	
02	LCS-82314	80903		3.384		306956		5.323		155094		7.187	
03	CB-20-052815	100446		3.390		389686		5.329		200406		7.188	
04	CB-20-F-052815	106777		3.388		418989		5.327		215602		7.186	
05	CB-21-052815	156597		3.394		599655		5.328		302551		7.187	
06	CB-21-F-052815	125507		3.393		485847		5.327		251990		7.191	
07	CB-22-052815	108008		3.390		419219		5.329		221829		7.188	
08	CB-22-F-052815	144051		3.388		559585		5.327		285372		7.186	
09	CB-23-052815	130044		3.389		513712		5.328		263334		7.187	
10	CB-23-F-052815	109224		3.388		429134		5.327		221419		7.186	
11	CB-18-052815	112523		3.390		434795		5.329		227481		7.188	
12	CB-18-F-052815	133179		3.388		533923		5.327		288766		7.191	

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253D Date Analyzed: 06/10/2015

Lab File ID (Standard): S3J4241.D Time Analyzed: 15:03

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	98236		3.387		365895		5.326		189308		7.186	
	UPPER LIMIT	196472		3.887		731790		5.826		378616		7.686	
	LOWER LIMIT	49118		2.887		182948		4.826		94654		6.686	
	SAMPLE NO.												
13	CB-24-052815	119853		3.392		466946		5.326		241178		7.191	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

EPA Sample No.(SSTD020##) SSTD0253D Date Analyzed: 06/10/2015

Lab File ID (Standard): S3J4241.D Time Analyzed: 15:03

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	300375		8.468		263694		10.653		276711		12.074	
	UPPER LIMIT	600750		8.968		527388		11.153		553422		12.574	
	LOWER LIMIT	150188		7.968		131847		10.153		138356		11.574	
	SAMPLE NO.												
01	MB-82314	229950		8.469		208004		10.649		209891		12.075	
02	LCS-82314	247717		8.469		210272		10.654		220636		12.070	
03	CB-20-052815	323179		8.470		294618		10.650		302560		12.076	
04	CB-20-F-052815	338906		8.474		309005		10.653		317286		12.080	
05	CB-21-052815	475916		8.474		448842		10.654		498533		12.086	
06	CB-21-F-052815	406370		8.473		371398		10.653		402520		12.084	
07	CB-22-052815	358501		8.470		324991		10.655		346976		12.081	
08	CB-22-F-052815	452676		8.474		413820		10.659		446603		12.091	
09	CB-23-052815	415855		8.474		365742		10.654		387009		12.086	
10	CB-23-F-052815	345913		8.473		314966		10.653		333575		12.085	
11	CB-18-052815	363754		8.475		322461		10.655		347035		12.081	
12	CB-18-F-052815	462937		8.473		427797		10.658		463063		12.090	

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

EPA Sample No.(SSTD020##) SSTD0253D Date Analyzed: 06/10/2015

Lab File ID (Standard): S3J4241.D Time Analyzed: 15:03

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	300375		8.468		263694		10.653		276711		12.074	
	UPPER LIMIT	600750		8.968		527388		11.153		553422		12.574	
	LOWER LIMIT	150188		7.968		131847		10.153		138356		11.574	
	SAMPLE NO.												
13	CB-24-052815	386307		8.473		359326		10.652		374546		12.079	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8C - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

GC Column: ZB-Semi ID: 0.25 (mm) Init. Calib. Date(s): 06/03/2015 06/03/2015

EPA Sample No.(SSTD020##) SSTD0253F Date Analyzed: 06/11/2015

Lab File ID (Standard): S3J4281.D Time Analyzed: 15:25

Instrument ID: S3

		IS1 (DCB) AREA	#	IS1 (DCB) RT	#	IS2 (NPT) AREA	#	IS2 (NPT) RT	#	IS3 (ANT) AREA	#	IS3 (ANT) RT	#
	12 HOUR STD	155283		3.343		610934		5.282		324446		7.152	
	UPPER LIMIT	310566		3.843		1221868		5.782		648892		7.652	
	LOWER LIMIT	77642		2.843		305467		4.782		162223		6.652	
	SAMPLE NO.												
01	CB-21-052815DL	172688		3.342		678520		5.281		355219		7.150	
02	CB-21-F-052815DL	172214		3.340		685943		5.279		351722		7.149	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: MITKEM Case No.: P0991 Mod. Ref No.: SDG No.: SP0991

EPA Sample No.(SSTD020##) SSTD0253F Date Analyzed: 06/11/2015

Lab File ID (Standard): S3J4281.D Time Analyzed: 15:25

Instrument ID: S3 GC Column: ZB-Semi ID: 0.25 (mm)

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	516049		8.44		452707		10.624		509760		12.024	
	UPPER LIMIT	1032098		8.94		905414		11.124		1019520		12.524	
	LOWER LIMIT	258025		7.94		226354		10.124		254880		11.524	
	SAMPLE NO.												
01	CB-21-052815DL	586477		8.438		546030		10.618		588185		12.023	
02	CB-21-F-052815DL	559061		8.437		518438		10.616		559923		12.021	

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12
AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside contract required QC limits with an asterisk.

* Metals *

REPORT NARRATIVE

Spectrum Analytical, Inc. RI Division.

Client : CDM-Smith, Inc.

Project: Buffalo Lakeside

Laboratory Workorder / SDG #: P0991

SW846 6010C, SW846 7470A

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test codes: SW846 6010C, SW846 7470A

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005A
Aqueous Samples were prepared following procedures in laboratory test code: SW7470A

V. INSTRUMENTATION

The following instrumentation was used:

Instrument Code: FIMS2
Instrument Type: CVAA
Description: FIMS
Manufacturer: Perkin-Elmer
Model: FIMS100

Instrument Code: OPTIMA3
Instrument Type: ICP
Description: Optima ICP-OES
Manufacturer: Perkin-Elmer
Model: 4300 DV

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for laboratory control samples were within the QC limits.

2. Matrix spike (MS):

Matrix spikes were performed on samples: CB-26-052915 (P0991-20BMS) and CB-29-F-052915 (P0991-29BMS).

Percent recoveries were within the QC limits with the following exceptions:

CB-26-052915 (P0991-20BMS), recovery is above criteria for Mercury at 144% with criteria of (80-120).

D. Post Digestion Spike (PDS):

A post-digestion spike was not performed on any sample in this SDG.

E. Duplicate sample:

Duplicate analyses were performed on samples: CB-26-052915

(P0991-20BDUP) and CB-29-F-052915 (P0991-29BDUP).

Relative percent differences were within the QC limits.

F. Serial Dilution (SD):

Serial Dilution analyses were performed on samples: CB-26-052915 (P0991-20BSD) and CB-29-F-052915 (P0991-29BSD).

Percent differences were within the QC limits with the exception of the following:

CB-26-052915 (P0991-20BSD), Serial Dilution analysis not within control limit for Potassium.

CB-29-F-052915 (P0991-29BSD-DISS), Serial Dilution analysis not within control limit for Potassium.

G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Signed: 

Date: 06/15/2015

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either

- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CB-12-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-17

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	965			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	18.9	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	23500			P
7440-47-3	Chromium	3.3	B		P
7440-48-4	Cobalt	2.4	B		P
7440-50-8	Copper	10.9	B		P
7439-89-6	Iron	1750			P
7439-92-1	Lead	4.6	B		P
7439-95-4	Magnesium	1660			P
7439-96-5	Manganese	85.9			P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	3.0	B		P
7440-09-7	Potassium	3510		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	45500			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	5.1	B		P
7440-66-6	Zinc	27.4	B		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CB-12-F-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-19

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	10.5	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	20800			P
7440-47-3	Chromium	0.96	B		P
7440-48-4	Cobalt	0.93	B		P
7440-50-8	Copper	4.0	B		P
7439-89-6	Iron	77.0	B		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	575			P
7439-96-5	Manganese	47.7	B		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	3150		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	43500			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	3.1	B		P
7440-66-6	Zinc	4.9	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-18-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-09

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	154	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	261000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	9.4	B		P
7439-89-6	Iron	84.7	B		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	40700		E	P
7782-49-2	Selenium	12.0	B		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	38600			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CB-18-F-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-10

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	154	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	259000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	39700		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	38800			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-19-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-13

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	163	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	276000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	17900		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	59200			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-19-F-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-14

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	164	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	278000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	17500		E	P
7782-49-2	Selenium	17.5	B		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	59300			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CB-20-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-01

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	629			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	22.4	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	36700			P
7440-47-3	Chromium	3.4	B		P
7440-48-4	Cobalt	3.2	B		P
7440-50-8	Copper	15.3	B		P
7439-89-6	Iron	1080			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	2590			P
7439-96-5	Manganese	74.3			P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	2.9	B		P
7440-09-7	Potassium	2870		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	169000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	4.9	B		P
7440-66-6	Zinc	30.1	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-20-F-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-02

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	84.9	B		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	16.1	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	35300			P
7440-47-3	Chromium	1.7	B		P
7440-48-4	Cobalt	1.0	B		P
7440-50-8	Copper	11.8	B		P
7439-89-6	Iron	66.2	B		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	2100			P
7439-96-5	Manganese	36.4	B		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	2680		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	166000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	3.3	B		P
7440-66-6	Zinc	8.2	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-21-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-03

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2890			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.6	B		P
7440-39-3	Barium	53.5	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	59500			P
7440-47-3	Chromium	8.5	B		P
7440-48-4	Cobalt	6.7	B		P
7440-50-8	Copper	33.3			P
7439-89-6	Iron	7990			P
7439-92-1	Lead	26.0			P
7439-95-4	Magnesium	6650			P
7439-96-5	Manganese	511			P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	9.0	B		P
7440-09-7	Potassium	13100		E	P
7782-49-2	Selenium	16.0	B		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	457000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	10.5	B		P
7440-66-6	Zinc	140			P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CB-21-F-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-04

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	76.2	B		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	32.5	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	47800			P
7440-47-3	Chromium	0.99	B		P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	4.7	B		P
7439-89-6	Iron	1310			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	2440			P
7439-96-5	Manganese	381			P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	12800		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	469000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	3.7	B		P
7440-66-6	Zinc	4.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CB-22-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-05

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	566			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	13.9	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	24200			P
7440-47-3	Chromium	2.2	B		P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	12.0	B		P
7439-89-6	Iron	1190			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	1520			P
7439-96-5	Manganese	80.9			P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	18800		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	65500			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	3.3	B		P
7440-66-6	Zinc	20.3	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-22-F-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-06

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	108	B		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	11.5	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	23400			P
7440-47-3	Chromium	0.92	B		P
7440-48-4	Cobalt	0.72	B		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	188	B		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	976			P
7439-96-5	Manganese	65.5			P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	19000		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	66000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	2.2	B		P
7440-66-6	Zinc	8.6	B		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CB-23-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-07

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2490			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	9.3	B		P
7440-39-3	Barium	37.3	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	58300			P
7440-47-3	Chromium	3.9	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	361			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	802			P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	7.2	B		P
7440-09-7	Potassium	731000		E	P
7782-49-2	Selenium	17.2	B		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	92100			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	21.0	B		P
7440-66-6	Zinc	6.3	B		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CB-23-F-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-08

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2290			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	7.9	B		P
7440-39-3	Barium	36.7	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	57400			P
7440-47-3	Chromium	3.8	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	231			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	158	B		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	6.9	B		P
7440-09-7	Potassium	750000		E	P
7782-49-2	Selenium	15.4	B		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	94800			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	20.2	B		P
7440-66-6	Zinc	4.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CB-24-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-11

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	5.7	B		P
7440-39-3	Barium	160	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	266000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	33200		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	41000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-24-F-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-12

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	168	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	277000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	33500		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	42700			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CB-25-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-15

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	161	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	279000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	327	B		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	17900		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	61900			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-25-F-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-16

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	161	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	275000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	192	B		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	18000		E	P
7782-49-2	Selenium	14.4	B		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	62400			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-26-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-20

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	150	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	245000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	17400		E	P
7782-49-2	Selenium	19.4	B		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	343000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-26-F-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-21

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	155	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	252000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	17800		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	355000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-27-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-22

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1380			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	141	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	231000			P
7440-47-3	Chromium	2.0	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	6.4	B		P
7439-89-6	Iron	2150			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	784			P
7439-96-5	Manganese	62.7			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	16300		E	P
7782-49-2	Selenium	16.9	B		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	302000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	3.1	B		P
7440-66-6	Zinc	21.7	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-27-F-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-23

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	128	B		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	134	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	231000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	47.1	B		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	16200		E	P
7782-49-2	Selenium	16.6	B		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	308000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CB-28-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-25

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	661			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	39.3	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	54100			P
7440-47-3	Chromium	0.91	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	766			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	11000			P
7439-96-5	Manganese	84.4			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	5660		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	37500			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	6.0	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-28-F-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-27

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	31.3	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	38300			P
7440-47-3	Chromium	3.4	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	8280			P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	5380		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	34600			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	17.1	B		P

Comments:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CB-29-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-28

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	32.7	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	41400			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	8900			P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	5450		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	36000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-29-F-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-29

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	66.0	U		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.5	B		P
7440-39-3	Barium	31.5	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	39700			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	8520			P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	5270		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	35500			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-DUP-01-052815

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-18

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1050			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	17.8	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	23600			P
7440-47-3	Chromium	3.3	B		P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	11.8	B		P
7439-89-6	Iron	1780			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	1660			P
7439-96-5	Manganese	87.5			P
7439-97-6	Mercury	0.028	U	N	CV
7440-02-0	Nickel	2.8	B		P
7440-09-7	Potassium	3420		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	44800			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	5.8	B		P
7440-66-6	Zinc	27.7	B		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-DUP-01-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-24

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	109	B		P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	132	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	228000			P
7440-47-3	Chromium	0.64	U		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	31.0	U		P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	76.0	U		P
7439-96-5	Manganese	10.0	U		P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	16000		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	310000			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	4.9	U		P

Comments:

1 EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET CB-DUP-02-052915

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Lab Sample ID: P0991-26

Level (low/med): MED Date Received: 05/30/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	779			P
7440-36-0	Antimony	9.3	U		P
7440-38-2	Arsenic	4.3	U		P
7440-39-3	Barium	40.0	B		P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	54200			P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	3.6	U		P
7439-89-6	Iron	841			P
7439-92-1	Lead	4.2	U		P
7439-95-4	Magnesium	11500			P
7439-96-5	Manganese	106			P
7439-97-6	Mercury	0.028	U		CV
7440-02-0	Nickel	0.85	U		P
7440-09-7	Potassium	5520		E	P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	6.9	U		P
7440-23-5	Sodium	36400			P
7440-28-0	Thallium	6.2	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	5.5	B		P

Comments:

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82382

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	9594.54	105.4						
Antimony	455.0	491.23	108.0						
Arsenic	455.0	492.51	108.2						
Barium	9100.0	9890.91	108.7						
Beryllium	227.0	242.59	106.9						
Cadmium	227.0	244.52	107.7						
Calcium	22700.0	23284.45	102.6						
Chromium	910.0	987.35	108.5						
Cobalt	2270.0	2440.84	107.5						
Copper	1130.0	1220.05	108.0						
Iron	4550.0	5011.69	110.1						
Lead	455.0	483.91	106.4						
Magnesium	22700.0	24382.70	107.4						
Manganese	2270.0	2454.56	108.1						
Nickel	2270.0	2437.65	107.4						
Potassium	22700.0	23267.84	102.5						
Selenium	455.0	486.49	106.9						
Silver	1130.0	1223.44	108.3						
Sodium	22700.0	24192.98	106.6						
Thallium	455.0	485.53	106.7						
Vanadium	2270.0	2424.76	106.8						
Zinc	2270.0	2428.97	107.0						

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-82383**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum	9100.0	8989.23	98.8						
Antimony	455.0	468.90	103.1						
Arsenic	455.0	435.92	95.8						
Barium	9100.0	9253.59	101.7						
Beryllium	227.0	225.04	99.1						
Cadmium	227.0	215.76	95.0						
Calcium	22700.0	22130.45	97.5						
Chromium	910.0	937.70	103.0						
Cobalt	2270.0	2373.51	104.6						
Copper	1130.0	1143.72	101.2						
Iron	4550.0	4725.93	103.9						
Lead	455.0	428.56	94.2						
Magnesium	22700.0	22783.42	100.4						
Manganese	2270.0	2285.03	100.7						
Nickel	2270.0	2328.17	102.6						
Potassium	22700.0	23535.48	103.7						
Selenium	455.0	430.95	94.7						
Silver	1130.0	1159.77	102.6						
Sodium	22700.0	24083.24	106.1						
Thallium	455.0	435.15	95.6						
Vanadium	2270.0	2291.61	101.0						
Zinc	2270.0	2294.68	101.1						

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82418

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury	4.6	5.08	110.4						

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LABORATORY CONTROL SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-82419

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Mercury	4.6	4.77	103.7						

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

CB-26-052915S

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	9250		66.0	U	9100	102		P
Antimony	75-125	479		9.3	U	456	105		P
Arsenic	75-125	489		4.3	U	456	107		P
Barium	75-125	9260		150	B	9100	100		P
Beryllium	75-125	224		0.26	U	227	99		P
Cadmium	75-125	218		0.89	U	227	96		P
Chromium	75-125	905		0.64	U	910	100		P
Cobalt	75-125	2290		0.67	U	2270	101		P
Copper	75-125	1170		3.6	U	1130	104		P
Iron	75-125	4590		31.0	U	4550	101		P
Lead	75-125	447		4.2	U	455	98		P
Manganese	75-125	2260		10.0	U	2270	100		P
Nickel	75-125	2250		0.85	U	2270	99		P
Selenium	75-125	468		19.4	B	455	99		P
Silver	75-125	1150		6.9	U	1130	102		P
Thallium	75-125	448		6.2	U	455	98		P
Vanadium	75-125	2280		1.1	U	2270	100		P
Zinc	75-125	2190		4.9	U	2270	96		P
Mercury	75-125	6.5		0.028	U	4.6	144	N	CV

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

CB-29-F-052915S

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	8970		66.0	U	9100	99		P
Antimony	75-125	465		9.3	U	456	102		P
Arsenic	75-125	411		4.5	B	456	89		P
Barium	75-125	9190		31.5	B	9100	101		P
Beryllium	75-125	224		0.26	U	227	99		P
Cadmium	75-125	198		0.89	U	227	87		P
Chromium	75-125	918		0.64	U	910	101		P
Cobalt	75-125	2300		0.67	U	2270	101		P
Copper	75-125	1140		3.6	U	1130	101		P
Iron	75-125	4700		31.0	U	4550	103		P
Lead	75-125	390		4.2	U	455	86		P
Manganese	75-125	2280		10.0	U	2270	100		P
Nickel	75-125	2260		0.85	U	2270	99		P
Selenium	75-125	405		12.0	U	455	89		P
Silver	75-125	1140		6.9	U	1130	101		P
Thallium	75-125	395		6.2	U	455	87		P
Vanadium	75-125	2280		1.1	U	2270	101		P
Zinc	75-125	2230		4.9	U	2270	98		P
Mercury	75-125	4.6		0.028	U	4.6	102		CV

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

CB-26-052915D

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		66.0000	U	66.0000	U			P
Antimony		9.3000	U	9.3000	U			P
Arsenic		4.3000	U	4.3000	U			P
Barium		149.7879	B	146.8467	B	2		P
Beryllium		0.2600	U	0.2600	U			P
Cadmium		0.8900	U	0.8900	U			P
Calcium		244755.5838		243753.8976		0.4		P
Chromium		0.6400	U	0.6400	U			P
Cobalt		0.6700	U	0.6700	U			P
Copper		3.6000	U	3.6000	U			P
Iron		31.0000	U	31.0000	U			P
Lead		4.2000	U	4.2000	U			P
Magnesium		76.0000	U	76.0000	U			P
Manganese		10.0000	U	10.0000	U			P
Nickel		0.8500	U	0.8500	U			P
Potassium		17377.9107		16752.5325		3.7		P
Selenium		19.4164	B	12.0000	U	200		P
Silver		6.9000	U	6.9000	U			P
Sodium		343298.7035		346321.8861		0.9		P
Thallium		6.2000	U	6.2000	U			P
Vanadium		1.1000	U	1.1000	U			P
Zinc		4.9000	U	4.9000	U			P
Mercury		0.0280	U	0.0280	U			CV

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6

DUPLICATES

EPA SAMPLE NO.

CB-29-F-052915D

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		66.0000	U	66.0000	U			P
Antimony		9.3000	U	9.3000	U			P
Arsenic		4.5341	B	4.3000	U	200		P
Barium		31.5114	B	31.8464	B	1.1		P
Beryllium		0.2600	U	0.2600	U			P
Cadmium		0.8900	U	0.8900	U			P
Calcium		39682.1478		39726.5038		0.1		P
Chromium		0.6400	U	0.6400	U			P
Cobalt		0.6700	U	0.6700	U			P
Copper		3.6000	U	3.6000	U			P
Iron		31.0000	U	31.0000	U			P
Lead		4.2000	U	4.2000	U			P
Magnesium		8521.8761		8589.4869		0.8		P
Manganese		10.0000	U	10.0000	U			P
Nickel		0.8500	U	0.8500	U			P
Potassium		5268.7144		5291.4262		0.4		P
Selenium		12.0000	U	12.0000	U			P
Silver		6.9000	U	6.9000	U			P
Sodium		35451.5735		36105.2043		1.8		P
Thallium		6.2000	U	6.2000	U			P
Vanadium		1.1000	U	1.1000	U			P
Zinc		4.9000	U	4.9000	U			P
Mercury		0.0280	U	0.0280	U			CV

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-82418**

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

FIMS2_150610C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	06/10/15 16:52	C	06/10/15 17:10	C	06/10/15 17:23	C		C	M
Mercury	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	CV

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-82419**

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

FIMS2_150611B

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	06/11/15 12:54	C	06/11/15 13:10	C		C		C	M
Mercury	0.028	U	0.029	B	0.028	U			0.028	U	CV

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-82382**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_150609C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/09/15 18:32	C	06/09/15 19:13	C	06/09/15 19:54	C	Preparation Blank	C	M
Aluminum	66.0	U	70.3	B	66.0	U	66.0	U	66.000	U	P
Antimony	9.3	U	9.3	U	9.3	U	10.1	B	9.300	U	P
Arsenic	4.3	U	4.8	B	4.3	U	4.3	U	4.300	U	P
Barium	2.5	B	2.1	B	2.0	B	2.2	B	1.100	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.260	U	P
Cadmium	0.9	U	0.9	U	0.9	U	0.9	U	0.890	U	P
Calcium	110.0	U	110.0	U	110.0	U	110.0	U	110.000	U	P
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	0.640	U	P
Cobalt	0.7	U	0.7	U	0.7	U	0.7	U	0.670	U	P
Copper	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Iron	31.0	U	31.5	B	31.0	U	31.0	U	31.000	U	P
Lead	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Magnesium	76.0	U	76.0	U	76.0	U	76.0	U	76.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P
Nickel	0.9	U	0.8	U	0.8	U	0.8	U	0.850	U	P
Potassium	83.8	B	182.9	B	660.8	B	475.4	B	101.972	B	P
Selenium	12.0	U	12.0	U	12.0	U	12.0	U	12.000	U	P
Silver	6.9	U	6.9	U	6.9	U	6.9	U	6.900	U	P
Sodium	63.8	B	29.0	U	189.7	B	151.7	B	29.000	U	P
Thallium	6.2	U	6.2	U	6.2	U	6.2	U	6.200	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc	4.9	U	4.9	U	4.9	U	4.9	U	4.900	U	P

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-82383**

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

OPTIMA3_150609C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 06/09/15 20:31	C	06/09/15 21:08	C	06/09/15 21:42	C	Preparation Blank	C	M
Aluminum			66.0	U	66.0	U	66.0	U	66.000	U	P
Antimony			9.3	U	9.3	U	9.3	U	9.300	U	P
Arsenic			4.3	U	4.3	U	4.3	U	4.300	U	P
Barium			3.7	B	2.5	B	2.2	B	1.100	U	P
Beryllium			0.3	U	0.3	U	0.3	U	0.260	U	P
Cadmium			0.9	U	0.9	U	0.9	U	0.890	U	P
Calcium			131.2	B	110.0	U	110.0	U	110.000	U	P
Chromium			0.6	U	0.6	U	0.6	U	0.640	U	P
Cobalt			0.8	B	0.7	U	0.7	U	0.670	U	P
Copper			3.6	U	3.6	U	3.6	U	3.600	U	P
Iron			31.0	U	31.0	U	31.0	U	31.000	U	P
Lead			4.2	U	4.2	U	4.2	U	4.200	U	P
Magnesium			76.0	U	76.0	U	76.0	U	76.000	U	P
Manganese			10.0	U	10.0	U	10.0	U	10.000	U	P
Nickel			0.8	U	0.8	U	0.8	U	0.850	U	P
Potassium			385.2	B	383.6	B	319.5	B	240.491	B	P
Selenium			12.0	U	12.0	U	12.0	U	12.000	U	P
Silver			6.9	U	6.9	U	6.9	U	6.900	U	P
Sodium			508.5	B	278.5	B	167.9	B	276.751	B	P
Thallium			6.2	U	6.2	U	6.2	U	6.200	U	P
Vanadium			1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc			4.9	U	4.9	U	4.9	U	4.900	U	P

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_150610C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	06/10/15 14:10	C	06/10/15 14:44	C	06/10/15 15:24	C		C	M
Potassium	103.0	B	134.5	B	76.0	U	76.0	U			P

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 91667

Lab Code: MITKEM Case No.: SAS No.: SDG No.: SP0991

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

OPTIMA3_150610C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	06/10/15 16:17	C		C		C		C	M
Potassium			76.0	U							P

* Wet Chemistry *

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC08327

Client: Spectrum Analytical, Inc. - North Kingstown, RI

Project: Buffalo Lakeside / P0991

SDG #: 08327

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to EPA 335.4.

IV. PREPARATION

Aqueous samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze EPA 335.4:

Lachat2 details: Lachat Quikchem 8000

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1511569 from source sample CB-22-F-052815 (SC08327-06).

In batch 1511570 from source sample CB-25-F-052815 (SC08327-16).

In batch 1511574 from source sample CB-29-F-052915 (SC08327-29).

All method criteria were met.

3. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1511569 from source sample CB-22-F-052815 (SC08327-06).

In batch 1511570 from source sample CB-25-F-052815 (SC08327-16).

In batch 1511574 from source sample CB-29-F-052915 (SC08327-29).

All method criteria were met.

E. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC08327

Client: Spectrum Analytical, Inc. - North Kingstown, RI

Project: Buffalo Lakeside / P0991

SDG #: 08327

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to EPA 335.4 / SW846 9012B.

IV. PREPARATION

Aqueous samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze EPA 335.4 / SW846 9012B:

Lachat2 details: Lachat Quikchem 8000

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1511126 from source sample CB-22-F-052815 (SC08327-06).

In batch 1511256 from source sample CB-25-F-052815 (SC08327-16).

In batch 1511283 from source sample CB-26-052915 (SC08327-20).

All method criteria were met with the following exceptions:

Cyanide (total) in batch 1511283, lab sample 1511283-MSD1 from source sample CB-26-052915 (SC08327-20): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

3. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1511126 from source sample CB-22-F-052815 (SC08327-06).

In batch 1511256 from source sample CB-25-F-052815 (SC08327-16).

In batch 1511283 from source sample CB-26-052915 (SC08327-20).

All method criteria were met.

E. Samples:

All method criteria were met.

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-20-F-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-02	File ID:	OM_6-6-2015_01-12-27PM-023
Sampled:	05/28/15 09:10	Prepared:	06/06/15 00:27	Analyzed:	06/06/15 13:32
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511569	Sequence:	S505691	Calibration:	1506012
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.0203	1	0.00442	0.0100	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-21-F-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-04	File ID:	OM_6-6-2015_01-12-27PM-030
Sampled:	05/28/15 11:00	Prepared:	06/06/15 00:27	Analyzed:	06/06/15 13:38
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511569	Sequence:	S505691	Calibration:	1506012
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.0346	1	0.00442	0.0100	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-22-F-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-06	File ID:	OM_6-6-2015_01-12-27PM-032
Sampled:	05/28/15 11:45	Prepared:	06/06/15 00:27	Analyzed:	06/06/15 13:39
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511569	Sequence:	S505691	Calibration:	1506012
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.00798	1	0.00442	0.0100	J

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-23-F-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-08	File ID:	1511256-019
Sampled:	05/28/15 12:25	Prepared:	06/09/15 00:44	Analyzed:	06/09/15 13:26
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511570	Sequence:	S505693	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.181	1	0.00442	0.0100	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-18-F-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-10	File ID:	1511256-021
Sampled:	05/28/15 13:00	Prepared:	06/09/15 00:44	Analyzed:	06/09/15 13:28
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511570	Sequence:	S505693	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.00953	1	0.00442	0.0100	J

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-24-F-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-12	File ID:	1511256-023
Sampled:	05/28/15 13:40	Prepared:	06/09/15 00:44	Analyzed:	06/09/15 13:30
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511570	Sequence:	S505693	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.0111	1	0.00442	0.0100	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-19-F-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-14	File ID:	1511256-030
Sampled:	05/28/15 14:20	Prepared:	06/09/15 00:44	Analyzed:	06/09/15 13:36
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511570	Sequence:	S505693	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.0100	1	0.00442	0.0100	U

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-25-F-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-16	File ID:	1511256-032
Sampled:	05/28/15 14:40	Prepared:	06/09/15 00:44	Analyzed:	06/09/15 13:37
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511570	Sequence:	S505693	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.00707	1	0.00442	0.0100	J

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-12-F-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-19	File ID:	1511283-008
Sampled:	05/28/15 15:00	Prepared:	06/09/15 00:55	Analyzed:	06/09/15 17:43
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511571	Sequence:	S505699	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.0135	1	0.00442	0.0100	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-26-F-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-21	File ID:	1511283-013
Sampled:	05/29/15 08:15	Prepared:	06/09/15 00:55	Analyzed:	06/09/15 17:48
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511571	Sequence:	S505699	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.00915	1	0.00442	0.0100	J

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-27-F-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-23	File ID:	1511283-021
Sampled:	05/29/15 08:40	Prepared:	06/09/15 00:55	Analyzed:	06/09/15 17:54
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511571	Sequence:	S505699	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.00692	1	0.00442	0.0100	J

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-28-F-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-27	File ID:	1511283-025
Sampled:	05/29/15 09:50	Prepared:	06/09/15 00:55	Analyzed:	06/09/15 17:58
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511571	Sequence:	S505699	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.00528	1	0.00442	0.0100	J

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4

CB-29-F-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-29	File ID:	1511363+1511366-020
Sampled:	05/29/15 10:30	Prepared:	06/10/15 00:20	Analyzed:	06/10/15 11:42
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511574	Sequence:	S505700	Calibration:	1506021
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (soluble) (dissolved)	0.00476	1	0.00442	0.0100	J

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-20-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-01	File ID:	OM_6-6-2015_01-12-27PM-022
Sampled:	05/28/15 09:00	Prepared:	06/05/15 15:41	Analyzed:	06/06/15 13:31
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511126	Sequence:	S505475	Calibration:	1506012
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.0160	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-21-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-03	File ID:	OM_6-6-2015_01-12-27PM-024
Sampled:	05/28/15 10:50	Prepared:	06/05/15 15:41	Analyzed:	06/06/15 13:33
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511126	Sequence:	S505475	Calibration:	1506012
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.0394	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-22-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-05	File ID:	OM_6-6-2015_01-12-27PM-031
Sampled:	05/28/15 11:35	Prepared:	06/05/15 15:41	Analyzed:	06/06/15 13:38
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511126	Sequence:	S505475	Calibration:	1506012
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.00992	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-23-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-07	File ID:	1511256-018
Sampled:	05/28/15 12:15	Prepared:	06/09/15 09:32	Analyzed:	06/09/15 13:26
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511256	Sequence:	S505578	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.140	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-18-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-09	File ID:	1511256-020
Sampled:	05/28/15 12:50	Prepared:	06/09/15 09:32	Analyzed:	06/09/15 13:27
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511256	Sequence:	S505578	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.0128	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-24-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-11	File ID:	1511256-022
Sampled:	05/28/15 13:30	Prepared:	06/09/15 09:32	Analyzed:	06/09/15 13:29
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511256	Sequence:	S505578	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.0187	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-19-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-13	File ID:	1511256-024
Sampled:	05/28/15 14:10	Prepared:	06/09/15 09:32	Analyzed:	06/09/15 13:31
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511256	Sequence:	S505578	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.00645	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-25-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-15	File ID:	1511256-031
Sampled:	05/28/15 14:30	Prepared:	06/09/15 09:32	Analyzed:	06/09/15 13:37
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511256	Sequence:	S505578	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.00710	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-12-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-17	File ID:	1511283-006
Sampled:	05/28/15 14:50	Prepared:	06/09/15 12:49	Analyzed:	06/09/15 17:42
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511283	Sequence:	S505581	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.0158	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-DUP-052815

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-18	File ID:	1511283-007
Sampled:	05/28/15 00:00	Prepared:	06/09/15 12:49	Analyzed:	06/09/15 17:42
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511283	Sequence:	S505581	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.0144	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-26-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-20	File ID:	1511283-009
Sampled:	05/29/15 08:00	Prepared:	06/09/15 12:49	Analyzed:	06/09/15 17:44
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511283	Sequence:	S505581	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.00700	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-27-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-22	File ID:	1511283-020
Sampled:	05/29/15 08:35	Prepared:	06/09/15 12:49	Analyzed:	06/09/15 17:54
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511283	Sequence:	S505581	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.00849	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-DUP-01-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-24	File ID:	1511283-022
Sampled:	05/29/15 09:40	Prepared:	06/09/15 12:49	Analyzed:	06/09/15 17:55
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511283	Sequence:	S505581	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.00733	1	0.00442	0.00500	

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-28-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-25	File ID:	1511283-023
Sampled:	05/29/15 09:40	Prepared:	06/09/15 12:49	Analyzed:	06/09/15 17:56
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511283	Sequence:	S505581	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.00497	1	0.00442	0.00500	J

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-DUP-02-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-26	File ID:	1511283-024
Sampled:	05/29/15 00:00	Prepared:	06/09/15 12:49	Analyzed:	06/09/15 17:57
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511283	Sequence:	S505581	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.00492	1	0.00442	0.00500	J

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

CB-29-052915

Laboratory:	Spectrum Analytical, Inc. - Agawam, MA			SDG:	08327
Client:	Spectrum Analytical, Inc. - North Kingstown, RI			Project:	Buffalo Lakeside
Project Number:	P0991			Received:	06/03/15 17:50
Matrix:	Aqueous	Laboratory ID:	SC08327-28	File ID:	1511283-026
Sampled:	05/29/15 10:25	Prepared:	06/09/15 12:49	Analyzed:	06/09/15 17:59
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1511283	Sequence:	S505581	Calibration:	1506019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.00480	1	0.00442	0.00500	J

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-13546-1
Client Project/Site: BLCP Sampling - Radioactivity

For:
CDM Smith, Inc.
11 British American Blvd
Suite 200
Latham, New York 12110

Attn: Amy Picunas

Elizabeth M. Hoerchler

Authorized for release by:
9/23/2015 3:19:25 PM

Elizabeth Hoerchler, Project Mgmt. Assistant
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elizabeth.hoerchler@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 160-13546-1

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: CDM Smith, Inc.

Project: BLCP Sampling - Radioactivity

Report Number: 160-13546-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/26/2015; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.7º C and 3.5º C.

Receipt Exceptions

There was sampled time listed on the chain of custody or the sample containers for the following sample: SB-DUP1-20150825 (160-13546-10).

METALS (ICP/MS)

Samples SB-80-0-3.6-20150824 (160-13546-1), SB-75-0-3.5-20150824 (160-13546-2), SB-77-0-9-20150824 (160-13546-3), SB-74-0-14-20150824 (160-13546-4), SB-82-0-16-20150824 (160-13546-5), SB-79-0-8-20150825 (160-13546-6), SB-76-0-8-20150825 (160-13546-7), SB-81-0-6-20150825 (160-13546-8), SB-78-0-14-20150825 (160-13546-9) and SB-DUP1-20150825 (160-13546-10) were analyzed for Metals (ICP/MS) in accordance with EPA SW-846 Method 6020A. The samples were leached on 08/26/2015, prepared on 09/03/2015 and analyzed on 09/14/2015 and 09/15/2015.

Job ID: 160-13546-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

Preparation batch 160-208005 and 160-209333 and analytical batch 160-211073
The following samples were diluted due to the nature of the sample matrix. The samples were high in salts, which cause internal standard and QC failures when the samples are run at a lesser dilution: SB-80-0-3.6-20150824 (160-13546-1), SB-75-0-3.5-20150824 (160-13546-2), SB-77-0-9-20150824 (160-13546-3), SB-74-0-14-20150824 (160-13546-4), SB-82-0-16-20150824 (160-13546-5), SB-79-0-8-20150825 (160-13546-6), SB-76-0-8-20150825 (160-13546-7), SB-81-0-6-20150825 (160-13546-8), SB-78-0-14-20150825 (160-13546-9), SB-DUP1-20150825 (160-13546-10), (160-13546-A-1-I MS), (160-13546-A-1-J MSD) and (160-13546-A-1-H SD). Elevated reporting limits (RLs) are provided.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

RADIUM-226 BY GAMMA SPEC (21 DAY INGROWTH)
Samples SB-80-0-3.6-20150824 (160-13546-1), SB-75-0-3.5-20150824 (160-13546-2), SB-77-0-9-20150824 (160-13546-3), SB-74-0-14-20150824 (160-13546-4), SB-82-0-16-20150824 (160-13546-5), SB-79-0-8-20150825 (160-13546-6), SB-76-0-8-20150825 (160-13546-7), SB-81-0-6-20150825 (160-13546-8), SB-78-0-14-20150825 (160-13546-9) and SB-DUP1-20150825 (160-13546-10) were analyzed for Radium-226 by gamma spec (21 day ingrowth) in accordance with EPA 901.1. The samples were leached on 08/26/2015, prepared on 08/28/2015 and analyzed on 09/18/2015.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GROSS ALPHA AND GROSS BETA RADIOACTIVITY
Samples SB-80-0-3.6-20150824 (160-13546-1), SB-75-0-3.5-20150824 (160-13546-2), SB-77-0-9-20150824 (160-13546-3), SB-74-0-14-20150824 (160-13546-4), SB-82-0-16-20150824 (160-13546-5), SB-79-0-8-20150825 (160-13546-6), SB-76-0-8-20150825 (160-13546-7), SB-81-0-6-20150825 (160-13546-8), SB-78-0-14-20150825 (160-13546-9) and SB-DUP1-20150825 (160-13546-10) were analyzed for Gross Alpha and Gross Beta Radioactivity in accordance with SW-846 Method 9310. The samples were leached on 08/26/2015, prepared on 09/01/2015 and analyzed on 09/01/2015 and 09/02/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

ISOTOPIC URANIUM (ALPHA SPECTROMETRY)
Samples SB-80-0-3.6-20150824 (160-13546-1), SB-75-0-3.5-20150824 (160-13546-2), SB-77-0-9-20150824 (160-13546-3), SB-74-0-14-20150824 (160-13546-4), SB-82-0-16-20150824 (160-13546-5), SB-79-0-8-20150825 (160-13546-6), SB-76-0-8-20150825 (160-13546-7), SB-81-0-6-20150825 (160-13546-8), SB-78-0-14-20150825 (160-13546-9) and SB-DUP1-20150825 (160-13546-10) were analyzed for Isotopic Uranium (Alpha Spectrometry) in accordance with DOE. The samples were leached on 08/26/2015, prepared on 09/02/2015 and analyzed on 09/13/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TAL-4124 (1007)

Client: CDM Smith	Project Manager: Amy Picunas	Date: 08/24/15	Chain of Custody Number: 277705
Address: 11 British American	Telephone Number (Area Code)/Fax Number: (518) 782-4550 / 518-782-4526	Lab Number:	Page _____ of _____
City: Latham	State: NY	Zip Code: 12110	Site Contact: Alison Rielly	Lab Contact:
Project Name and Location (State): BLCP	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TENORM	ISO UR.	GR ALPHA	TOTAL UR/TH
SB-80-0-3.6-20150824	8/24/15	10:00				X							X	X	X	X
SB-75-0-3.5-20150824	8/24/15	11:20				X							X	X	X	X
SB-77-0-9-20150824	8/24/15	13:40				X							X	X	X	X
SB-74-0-14-20150824	8/24/15	14:55				X							X	X	X	X

Special Instructions/ Conditions of Receipt

NYS DEC EDD

160-13546 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

1. Relinquished By	Date: 08/24/15	Time: 1515	1. Received By	Date: 8/24/15	Time: 1515
2. Relinquished By	Date: 8/24/15	Time: 1550	2. Received By TOB/FEDEX	Date: 8/24/15	Time: 1550
3. Relinquished By TOB	Date: 08/25/15	Time: 1545	3. Received By Jill Clark	Date: 8-26-15	Time: 0935

Comments: 5.5°C #3

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

9/23/2015

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TAL-4124 (1007)

Client: CDM Smith	Project Manager: A. Piconas	Date: 8/25/14	Chain of Custody Number: 277706
Address: 11 British American Blvd	Telephone Number (Area Code)/Fax Number: 518-782-4500	Lab Number:	Page 1 of 1
City: Latham; State: NY; Zip Code: 12110	Site Contact:	Lab Contact:	
Project Name and Location (State): BLCP	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TEMORM	1,4 DIOX	GR ALPHA	TOTAL URANIUM
SB-82-0-16-20150824	8/24/15	1640				X							X	X	X	X
SB-79-0-8-20150825	8/25/15	805				X							X	X	X	X
SB-76-0-8-20150825	8/25/15	1105				X							X	X	X	X
SB-81-0-6-20150825	8/25/15	1145				X							X	X	X	X
SB-78-0-14-20150825	8/25/15	935				X							X	X	X	X
SB-DUP1-20150825	8/25/15					X							X	X	X	X

Special Instructions/ Conditions of Receipt: NJDEC EDD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	Date: 8/25/15	Time: 1200	1. Received By	TABUCCHI	Date: 8/25/15 Time: 1200
2. Relinquished By TABUCCHI	Date: 8/25/15	Time: 1235	2. Received By		Date: 08/25/15 Time: 1235
3. Relinquished By	Date: 08/25/15	Time: 1545	3. Received By Jill Clark		Date: 8-26-15 Time: 0935

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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9/23/2015

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 160-13546-1

Login Number: 13546
List Number: 1
Creator: Clarke, Jill C

List Source: TestAmerica St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	No time on CoC or sample container.
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No time on CoC or sample container.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

Method	Method Description	Protocol	Laboratory
6020A	Metals (ICP/MS)	SW846	TAL SL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	TAL SL
9310	Gross Alpha / Beta (GFPC)	SW846	TAL SL
A-01-R	Isotopic Uranium (Alpha Spectrometry)	DOE	TAL SL

Protocol References:

DOE = U.S. Department of Energy

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-13546-1	SB-80-0-3.6-20150824	Solid	08/24/15 10:00	08/26/15 09:35
160-13546-2	SB-75-0-3.5-20150824	Solid	08/24/15 11:20	08/26/15 09:35
160-13546-3	SB-77-0-9-20150824	Solid	08/24/15 13:40	08/26/15 09:35
160-13546-4	SB-74-0-14-20150824	Solid	08/24/15 14:55	08/26/15 09:35
160-13546-5	SB-82-0-16-20150824	Solid	08/24/15 16:40	08/26/15 09:35
160-13546-6	SB-79-0-8-20150825	Solid	08/25/15 08:05	08/26/15 09:35
160-13546-7	SB-76-0-8-20150825	Solid	08/25/15 11:05	08/26/15 09:35
160-13546-8	SB-81-0-6-20150825	Solid	08/25/15 11:45	08/26/15 09:35
160-13546-9	SB-78-0-14-20150825	Solid	08/25/15 09:35	08/26/15 09:35
160-13546-10	SB-DUP1-20150825	Solid	08/25/15 00:00	08/26/15 09:35

Detection Summary

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

Client Sample ID: SB-80-0-3.6-20150824 — Lab Sample ID: 160-13546-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.5		0.47	0.093	mg/Kg	10		6020A	Total/NA
Thorium	2.2		0.93	0.36	mg/Kg	10		6020A	Total/NA

Client Sample ID: SB-75-0-3.5-20150824 — Lab Sample ID: 160-13546-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	2.6		0.46	0.092	mg/Kg	10		6020A	Total/NA
Thorium	3.1		0.92	0.36	mg/Kg	10		6020A	Total/NA

Client Sample ID: SB-77-0-9-20150824 — Lab Sample ID: 160-13546-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.1		0.48	0.095	mg/Kg	10		6020A	Total/NA
Thorium	1.3		0.95	0.37	mg/Kg	10		6020A	Total/NA

Client Sample ID: SB-74-0-14-20150824 — Lab Sample ID: 160-13546-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	2.9		0.43	0.085	mg/Kg	10		6020A	Total/NA
Thorium	4.0		0.86	0.33	mg/Kg	10		6020A	Total/NA

Client Sample ID: SB-82-0-16-20150824 — Lab Sample ID: 160-13546-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.1		0.43	0.086	mg/Kg	10		6020A	Total/NA
Thorium	2.9		0.87	0.34	mg/Kg	10		6020A	Total/NA

Client Sample ID: SB-79-0-8-20150825 — Lab Sample ID: 160-13546-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	0.85		0.44	0.087	mg/Kg	10		6020A	Total/NA
Thorium	3.0		0.88	0.34	mg/Kg	10		6020A	Total/NA

Client Sample ID: SB-76-0-8-20150825 — Lab Sample ID: 160-13546-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	3.2		0.47	0.094	mg/Kg	10		6020A	Total/NA
Thorium	5.1		0.94	0.37	mg/Kg	10		6020A	Total/NA

Client Sample ID: SB-81-0-6-20150825 — Lab Sample ID: 160-13546-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.9		0.46	0.091	mg/Kg	10		6020A	Total/NA
Thorium	2.4		0.92	0.36	mg/Kg	10		6020A	Total/NA

Client Sample ID: SB-78-0-14-20150825 — Lab Sample ID: 160-13546-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	2.3		0.44	0.087	mg/Kg	10		6020A	Total/NA
Thorium	2.9		0.88	0.34	mg/Kg	10		6020A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

Client Sample ID: SB-DUP1-20150825 — Lab Sample ID: 160-13546-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	2.2		0.47	0.094	mg/Kg	10		6020A	Total/NA
Thorium	3.0		0.94	0.37	mg/Kg	10		6020A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-80-0-3.6-20150824

Date Collected: 08/24/15 10:00
Date Received: 08/26/15 09:35

Lab Sample ID: 160-13546-1

Matrix: Solid

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.5**		0.47	0.093	mg/Kg		09/03/15 10:53	09/14/15 23:02	10
Thorium	**2.2**		0.93	0.36	mg/Kg		09/03/15 10:53	09/14/15 23:02	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	-0.0303	U	0.201	0.201		1.16	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Actinium-228	0.311	U	0.167	0.170		0.332	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Bismuth-212	0.343	U	0.624	0.625		1.08	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Bismuth-214	**0.875**		0.185	0.206		0.141	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Lead-210	1.50	U	1.39	1.40		2.21	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Lead-212	**0.360**		0.116	0.125		0.114	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Lead-214	**0.807**		0.183	0.202		0.165	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Potassium-40	**2.70**		1.05	1.08		1.29	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Protactinium-231	-0.0856	U	1.04	1.04		1.93	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Radium-226	**0.875**		0.185	0.206	0.500	0.141	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Radium-228	0.311	U	0.167	0.170	0.500	0.332	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Thallium-208	**0.155**		0.0573	0.0595		0.0606	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Thorium-232	0.311	U	0.167	0.170		0.332	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Thorium-234	0.568	U	0.433	0.437		2.02	pCi/g	08/28/15 09:30	09/18/15 07:08	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 07:08*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**14.5**		5.72	5.96	10.0	6.24	pCi/g	09/01/15 09:51	09/01/15 12:03	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.751**		0.0937	0.113	0.100	0.0191	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0202**		0.0180	0.0181	0.100	0.0200	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.610**		0.0848	0.0990	0.100	0.0251	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*72.2*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-75-0-3.5-20150824

Lab Sample ID: 160-13546-2

Date Collected: 08/24/15 11:20

Matrix: Solid

Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.6**		0.46	0.092	mg/Kg		09/03/15 10:53	09/14/15 23:19	10
Thorium	**3.1**		0.92	0.36	mg/Kg		09/03/15 10:53	09/14/15 23:19	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.00127	U	0.515	0.515		0.916	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Actinium-228	**0.403**		0.162	0.167		0.261	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Bismuth-212	0.000	U	0.381	0.381		0.339	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Bismuth-214	**0.861**		0.172	0.194		0.137	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Lead-210	0.798	U	1.27	1.27		2.12	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Lead-212	**0.415**		0.121	0.133		0.126	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Lead-214	**1.00**		0.195	0.221		0.170	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Potassium-40	**5.12**		1.12	1.23		0.852	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Protactinium-231	0.0742	U	0.321	0.321		2.08	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Radium-226	**0.861**		0.172	0.194	0.500	0.137	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Radium-228	**0.403**		0.162	0.167	0.500	0.261	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Thallium-208	**0.105**		0.0568	0.0578		0.0827	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Thorium-232	**0.403**		0.162	0.167		0.261	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Thorium-234	0.828	U	0.583	0.589		1.73	pCi/g	08/28/15 09:30	09/18/15 07:46	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 07:46*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**10.7**		6.81	6.92	10.0	9.80	pCi/g	09/01/15 09:51	09/01/15 12:04	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.04**		0.0985	0.132	0.100	0.0200	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0391**		0.0217	0.0219	0.100	0.0159	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.846**		0.0884	0.113	0.100	0.0128	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*92.5*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-77-0-9-20150824

Lab Sample ID: 160-13546-3

Date Collected: 08/24/15 13:40

Matrix: Solid

Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.1**		0.48	0.095	mg/Kg		09/03/15 10:53	09/14/15 23:24	10

Client Sample ID: SB-77-0-9-20150824

Lab Sample ID: 160-13546-3
Matrix: Solid
Date Collected: 08/24/15 13:40
Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	**1.3**		0.95	0.37	mg/Kg		09/03/15 10:53	09/14/15 23:24	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.0166	U	0.531	0.531		0.934	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Actinium-228	0.209	U	0.140	0.141		0.234	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Bismuth-212	0.189	U	0.516	0.516		0.911	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Bismuth-214	**0.684**		0.150	0.166		0.123	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Lead-210	**2.58**		1.39	1.42		1.63	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Lead-212	**0.388**		0.0912	0.104		0.0786	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Lead-214	**0.715**		0.152	0.169		0.120	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Potassium-40	**6.39**		1.17	1.34		0.762	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Protactinium-231	0.357	U	0.755	0.756		1.66	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Radium-226	**0.684**		0.150	0.166	0.500	0.123	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Radium-228	0.209	U	0.140	0.141	0.500	0.234	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Thallium-208	0.0247	U	0.0392	0.0393		0.100	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Thorium-232	0.209	U	0.140	0.141		0.234	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Thorium-234	0.686	U	0.404	0.410		1.28	pCi/g	08/28/15 09:30	09/18/15 08:51	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 08:51*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**17.6**		7.25	7.53	10.0	9.10	pCi/g	09/01/15 09:51	09/01/15 12:04	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.460**		0.0676	0.0778	0.100	0.0224	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0217**		0.0175	0.0176	0.100	0.0199	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.488**		0.0690	0.0803	0.100	0.0135	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*90.0*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-74-0-14-20150824

Lab Sample ID: 160-13546-4
Matrix: Solid
Date Collected: 08/24/15 14:55
Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.9**		0.43	0.085	mg/Kg		09/03/15 10:53	09/14/15 23:41	10
Thorium	**4.0**		0.86	0.33	mg/Kg		09/03/15 10:53	09/14/15 23:41	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	-0.0414	U	0.669	0.669		1.20	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Actinium-228	**0.415**		0.208	0.212		0.405	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Bismuth-212	0.268	U	0.800	0.800		1.43	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Bismuth-214	**0.887**		0.212	0.231		0.186	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Lead-210	**4.40**		2.40	2.46		3.16	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Lead-212	**0.428**		0.153	0.163		0.188	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Lead-214	**0.875**		0.193	0.213		0.221	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Potassium-40	**4.71**		1.39	1.47		1.44	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Protactinium-231	-0.241	U	1.35	1.35		2.44	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Radium-226	**0.887**		0.212	0.231	0.500	0.186	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Radium-228	**0.415**		0.208	0.212	0.500	0.405	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Thallium-208	0.0864	U	0.0942	0.0946		0.144	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Thorium-232	**0.415**		0.208	0.212		0.405	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Thorium-234	1.33	U	1.08	1.09		2.82	pCi/g	08/28/15 09:30	09/18/15 09:29	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 09:29*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**14.6**		6.07	6.30	10.0	6.66	pCi/g	09/01/15 09:51	09/01/15 12:04	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.880**		0.0948	0.120	0.100	0.0187	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0474**		0.0245	0.0248	0.100	0.00948	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.748**		0.0874	0.108	0.100	0.0204	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*91.0*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-82-0-16-20150824

Lab Sample ID: 160-13546-5
Date Collected: 08/24/15 16:40
Matrix: Solid
Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.1**		0.43	0.086	mg/Kg		09/03/15 10:53	09/14/15 23:45	10
Thorium	**2.9**		0.87	0.34	mg/Kg		09/03/15 10:53	09/14/15 23:45	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.000	U	0.674	0.674		1.35	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Actinium-228	**0.596**		0.187	0.196		0.320	pCi/g	08/28/15 09:30	09/18/15 09:33	1

Client Sample ID: SB-82-0-16-20150824

Lab Sample ID: 160-13546-5
Matrix: Solid
Date Collected: 08/24/15 16:40
Date Received: 08/26/15 09:35

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Bismuth-212	0.369	U	0.572	0.574		0.965	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Bismuth-214	**0.896**		0.179	0.202		0.133	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Lead-210	0.995	U	1.42	1.43		2.36	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Lead-212	**0.777**		0.149	0.180		0.132	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Lead-214	**0.944**		0.173	0.199		0.135	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Potassium-40	**16.8**		2.01	2.64		0.887	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Protactinium-231	0.530	U	0.696	0.699		3.07	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Radium-226	**0.896**		0.179	0.202	0.500	0.133	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Radium-228	**0.596**		0.187	0.196	0.500	0.320	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Thallium-208	**0.287**		0.0755	0.0812		0.0602	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Thorium-232	**0.596**		0.187	0.196		0.320	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Thorium-234	0.603	U	1.26	1.26		2.13	pCi/g	08/28/15 09:30	09/18/15 09:33	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 09:33*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**17.1**		6.82	7.10	10.0	8.46	pCi/g	09/01/15 09:51	09/01/15 12:04	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.627**		0.0744	0.0911	0.100	0.0162	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0382**		0.0204	0.0207	0.100	0.00819	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.639**		0.0748	0.0921	0.100	0.00657	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*97.1*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-79-0-8-20150825

Lab Sample ID: 160-13546-6
Matrix: Solid
Date Collected: 08/25/15 08:05
Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.85**		0.44	0.087	mg/Kg		09/03/15 10:53	09/14/15 23:49	10
Thorium	**3.0**		0.88	0.34	mg/Kg		09/03/15 10:53	09/14/15 23:49	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.444	U	0.628	0.630		1.04	pCi/g	08/28/15 09:30	09/18/15 10:32	1

Client Sample ID: SB-79-0-8-20150825

Lab Sample ID: 160-13546-6
Matrix: Solid
Date Collected: 08/25/15 08:05
Date Received: 08/26/15 09:35

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-228	**0.727**		0.277	0.287		0.299	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Bismuth-212	0.495	U	0.743	0.745		1.25	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Bismuth-214	**1.07**		0.240	0.264		0.194	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Lead-210	1.95	U	1.90	1.91		2.70	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Lead-212	**0.849**		0.171	0.203		0.170	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Lead-214	**0.868**		0.172	0.194		0.194	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Potassium-40	**12.7**		1.96	2.35		1.16	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Protactinium-231	0.0402	U	0.202	0.202		2.46	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Radium-226	**1.07**		0.240	0.264	0.500	0.194	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Radium-228	**0.727**		0.277	0.287	0.500	0.299	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Thallium-208	**0.383**		0.113	0.119		0.0972	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Thorium-232	**0.727**		0.277	0.287		0.299	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Thorium-234	1.79	U	1.33	1.34		1.95	pCi/g	08/28/15 09:30	09/18/15 10:32	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 10:32*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**17.7**		7.24	7.52	10.0	9.97	pCi/g	09/01/15 09:51	09/02/15 13:55	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.768**		0.0884	0.109	0.100	0.00763	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0538**		0.0261	0.0265	0.100	0.00949	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.761**		0.0879	0.109	0.100	0.00761	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*82.3*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-76-0-8-20150825

Lab Sample ID: 160-13546-7
Matrix: Solid
Date Collected: 08/25/15 11:05
Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**3.2**		0.47	0.094	mg/Kg		09/03/15 10:53	09/14/15 23:53	10
Thorium	**5.1**		0.94	0.37	mg/Kg		09/03/15 10:53	09/14/15 23:53	10

Client Sample ID: SB-76-0-8-20150825

Lab Sample ID: 160-13546-7
Matrix: Solid
Date Collected: 08/25/15 11:05
Date Received: 08/26/15 09:35

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.108	U	0.620	0.620		1.08	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Actinium-228	**1.22**		0.241	0.271		0.187	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Bismuth-212	0.000	U	0.524	0.524		1.61	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Bismuth-214	**0.947**		0.220	0.241		0.186	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Lead-210	**4.22**		1.96	2.02		2.17	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Lead-212	**0.918**		0.157	0.197		0.141	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Lead-214	**1.31**		0.206	0.247		0.162	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Potassium-40	**6.65**		1.31	1.48		0.915	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Protactinium-231	0.374	U	0.943	0.943		2.15	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Radium-226	**0.947**		0.220	0.241	0.500	0.186	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Radium-228	**1.22**		0.241	0.271	0.500	0.187	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Thallium-208	**0.272**		0.0787	0.0836		0.0915	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Thorium-232	**1.22**		0.241	0.271		0.187	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Thorium-234	**1.92**		1.11	1.12		1.68	pCi/g	08/28/15 09:30	09/18/15 10:35	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 10:35*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**26.3**		7.09	7.70	10.0	7.86	pCi/g	09/01/15 09:51	09/02/15 13:55	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.06**		0.104	0.137	0.100	0.0274	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0713**		0.0297	0.0303	0.100	0.00929	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**1.19**		0.109	0.148	0.100	0.0263	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*91.0*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-81-0-6-20150825

Lab Sample ID: 160-13546-8
Matrix: Solid
Date Collected: 08/25/15 11:45
Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.9**		0.46	0.091	mg/Kg		09/03/15 10:53	09/14/15 23:58	10
Thorium	**2.4**		0.92	0.36	mg/Kg		09/03/15 10:53	09/14/15 23:58	10

Client Sample ID: SB-81-0-6-20150825

Lab Sample ID: 160-13546-8
Matrix: Solid
Date Collected: 08/25/15 11:45
Date Received: 08/26/15 09:35

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.0168	U	0.155	0.155		1.06	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Actinium-228	0.157	U	0.176	0.177		0.372	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Bismuth-212	0.113	U	0.658	0.658		1.22	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Bismuth-214	**0.618**		0.209	0.219		0.214	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Lead-210	**7.69**		2.21	2.39		2.58	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Lead-212	**0.431**		0.128	0.139		0.142	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Lead-214	**0.680**		0.163	0.178		0.165	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Potassium-40	**2.90**		1.22	1.26		1.66	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Protactinium-231	0.000	U	1.26	1.26		2.46	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Radium-226	**0.618**		0.209	0.219	0.500	0.214	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Radium-228	0.157	U	0.176	0.177	0.500	0.372	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Thallium-208	0.0996	U	0.0870	0.0876		0.142	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Thorium-232	0.157	U	0.176	0.177		0.372	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Thorium-234	0.241	U	0.506	0.506		2.09	pCi/g	08/28/15 09:30	09/18/15 11:05	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 11:05*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**30.5**		7.61	8.36	10.0	8.24	pCi/g	09/01/15 09:51	09/02/15 13:55	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.520**		0.0705	0.0829	0.100	0.0247	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	0.0150	U	0.0147	0.0147	0.100	0.0191	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.584**		0.0744	0.0891	0.100	0.0214	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*99.4*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-78-0-14-20150825

Lab Sample ID: 160-13546-9
Matrix: Solid
Date Collected: 08/25/15 09:35
Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.3**		0.44	0.087	mg/Kg		09/03/15 10:53	09/15/15 00:02	10
Thorium	**2.9**		0.88	0.34	mg/Kg		09/03/15 10:53	09/15/15 00:02	10

Client Sample ID: SB-78-0-14-20150825

Lab Sample ID: 160-13546-9
Matrix: Solid
Date Collected: 08/25/15 09:35
Date Received: 08/26/15 09:35

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	-0.00527	U	0.564	0.564		1.02	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Actinium-228	0.327	U	0.173	0.176		0.342	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Bismuth-212	0.235	U	0.818	0.819		1.46	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Bismuth-214	**0.786**		0.189	0.205		0.163	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Lead-210	**5.43**		1.74	1.86		1.74	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Lead-212	**0.458**		0.126	0.139		0.107	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Lead-214	**0.714**		0.194	0.208		0.174	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Potassium-40	**4.28**		1.35	1.41		1.56	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Protactinium-231	-0.0582	U	1.21	1.21		2.22	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Radium-226	**0.786**		0.189	0.205	0.500	0.163	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Radium-228	0.327	U	0.173	0.176	0.500	0.342	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Thallium-208	**0.191**		0.0633	0.0663		0.0596	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Thorium-232	0.327	U	0.173	0.176		0.342	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Thorium-234	1.01	U	1.15	1.15		1.87	pCi/g	08/28/15 09:30	09/18/15 11:09	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 11:09*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**18.6**		6.01	6.37	10.0	5.27	pCi/g	09/01/15 09:51	09/01/15 12:08	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.727**		0.0844	0.104	0.100	0.0196	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0212**		0.0160	0.0161	0.100	0.00907	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.644**		0.0791	0.0958	0.100	0.0134	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*91.6*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-DUP1-20150825

Lab Sample ID: 160-13546-10
Matrix: Solid
Date Collected: 08/25/15 00:00
Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.2**		0.47	0.094	mg/Kg		09/03/15 10:53	09/15/15 00:06	10
Thorium	**3.0**		0.94	0.37	mg/Kg		09/03/15 10:53	09/15/15 00:06	10

Client Sample ID: SB-DUP1-20150825
Date Collected: 08/25/15 00:00
Date Received: 08/26/15 09:35

Lab Sample ID: 160-13546-10
Matrix: Solid

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.000	U	0.736	0.736		1.57	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Actinium-228	**0.549**		0.188	0.196		0.138	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Bismuth-212	0.191	U	0.714	0.714		1.29	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Bismuth-214	**0.671**		0.193	0.205		0.185	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Lead-210	**5.36**		1.49	1.62		1.33	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Lead-212	**0.445**		0.143	0.154		0.135	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Lead-214	**0.914**		0.186	0.209		0.152	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Potassium-40	**4.51**		1.41	1.48		1.68	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Protactinium-231	0.00330	U	1.23	1.23		2.25	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Radium-226	**0.671**		0.193	0.205	0.500	0.185	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Radium-228	**0.549**		0.188	0.196	0.500	0.138	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Thallium-208	0.0858	U	0.0849	0.0854		0.122	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Thorium-232	**0.549**		0.188	0.196		0.138	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Thorium-234	0.811	U	0.622	0.628		2.04	pCi/g	08/28/15 09:30	09/18/15 12:16	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 12:16*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**27.4**		8.32	8.89	10.0	9.38	pCi/g	09/01/15 09:51	09/01/15 12:08	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.675**		0.0789	0.0972	0.100	0.0169	pCi/g	09/02/15 12:05	09/13/15 22:59	1
Uranium-235/236	**0.0718**		0.0293	0.0299	0.100	0.0187	pCi/g	09/02/15 12:05	09/13/15 22:59	1
Uranium-238	**0.594**		0.0742	0.0894	0.100	0.0198	pCi/g	09/02/15 12:05	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*98.2*		*30 - 110*	*09/02/15 12:05*	*09/13/15 22:59*	*1*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 160-209333/1-A
Matrix: Solid
Analysis Batch: 211073

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209333

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.097	0.019	mg/Kg		09/03/15 10:53	09/14/15 22:54	2
Thorium	ND		0.19	0.076	mg/Kg		09/03/15 10:53	09/14/15 22:54	2

Lab Sample ID: LCS 160-209333/2-A
Matrix: Solid
Analysis Batch: 211073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Uranium	84.6	81.4		mg/Kg		96	80 - 120
Thorium	84.6	81.4		mg/Kg		96	80 - 120

Lab Sample ID: 160-13546-1 MS
Matrix: Solid
Analysis Batch: 211073

Client Sample ID: SB-80-0-3.6-20150824
Prep Type: Total/NA
Prep Batch: 209333

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Uranium	1.5		97.2	99.0		mg/Kg		100	75 - 125
Thorium	2.2		97.2	98.6		mg/Kg		99	75 - 125

Lab Sample ID: 160-13546-1 MSD
Matrix: Solid
Analysis Batch: 211073

Client Sample ID: SB-80-0-3.6-20150824
Prep Type: Total/NA
Prep Batch: 209333

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Uranium	1.5		96.2	96.7		mg/Kg		99	75 - 125	2	30
Thorium	2.2		96.2	97.0		mg/Kg		98	75 - 125	2	30

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-208362/1-A
Matrix: Solid
Analysis Batch: 211635

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208362

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.01818	U	0.0306	0.0307		0.579	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Actinium-228	-0.02370	U	0.139	0.139		0.255	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Bismuth-212	0.2420	U	0.249	0.250		0.357	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Bismuth-214	-0.03492	U	0.596	0.596		0.147	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Lead-210	0.0000	U	0.400	0.400		1.44	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Lead-212	0.04762	U	0.0495	0.0499		0.0793	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Lead-214	0.007450	U	0.0534	0.0534		0.109	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Potassium-40	-0.03861	U	0.426	0.426		0.860	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Protactinium-231	0.2618	U	0.646	0.647		1.14	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Radium-226	-0.03492	U	0.596	0.596	0.500	0.147	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Radium-228	-0.02370	U	0.139	0.139	0.500	0.255	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Thallium-208	-0.01332	U	1.31	1.31		0.0661	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Thorium-232	-0.02370	U	0.139	0.139		0.255	pCi/g	08/28/15 09:30	09/18/15 08:18	1
Thorium-234	-0.1090	U	0.506	0.506		0.902	pCi/g	08/28/15 09:30	09/18/15 08:18	1

Other Detected Radionuclides	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Other Detected Radionuclide	None						pCi/g	08/28/15 09:30	09/18/15 08:18	1

Lab Sample ID: LCS 160-208362/2-A
Matrix: Solid
Analysis Batch: 211631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 208362

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Americium-241	97.2	99.53		10.5		1.20	pCi/g	102	87 - 116
Cesium-137	30.2	30.40		3.24		0.227	pCi/g	101	87 - 120
Cobalt-60	18.9	18.58		1.92		0.139	pCi/g	99	87 - 115

Lab Sample ID: 160-13546-1 DU
Matrix: Solid
Analysis Batch: 211631

Client Sample ID: SB-80-0-3.6-20150824
Prep Type: Total/NA
Prep Batch: 208362

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Actinium-227	-0.0303	U	-0.06838	U	0.731		1.30	pCi/g	0.04	1
Actinium-228	0.311	U	0.4041		0.231		0.398	pCi/g	0.23	1
Bismuth-212	0.343	U	0.5120	U	0.736		1.23	pCi/g	0.12	1
Bismuth-214	0.875		0.7942		0.230		0.201	pCi/g	0.19	1
Lead-210	1.50	U	1.722	U	1.95		3.02	pCi/g	0.07	1
Lead-212	0.360		0.3428		0.147		0.181	pCi/g	0.06	1
Lead-214	0.807		0.8593		0.213		0.169	pCi/g	0.13	1
Potassium-40	2.70		3.210		1.25		1.46	pCi/g	0.22	1
Protactinium-231	-0.0856	U	0.06248	U	0.146		2.96	pCi/g	0.12	1
Radium-226	0.875		0.7942		0.230	0.500	0.201	pCi/g	0.19	1
Radium-228	0.311	U	0.4041		0.231	0.500	0.398	pCi/g	0.23	1
Thallium-208	0.155		0.1649		0.0796		0.0924	pCi/g	0.07	1
Thorium-232	0.311	U	0.4041		0.231		0.398	pCi/g	0.23	1
Thorium-234	0.568	U	0.7977	U	0.775		2.33	pCi/g	0.19	1

Other Detected Radionuclides	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Other Detected Radionuclide	None		None					pCi/g		

Method: 9310 - Gross Alpha / Beta (GFPC)

Lab Sample ID: MB 160-208859/1-A
Matrix: Solid
Analysis Batch: 208837

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208859

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.3366	U	3.70	3.70	10.0	7.48	pCi/g	09/01/15 09:51	09/01/15 12:03	1

Method: 9310 - Gross Alpha / Beta (GFPC) (Continued)

Lab Sample ID: LCS 160-208859/2-A
Matrix: Solid
Analysis Batch: 208837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 208859

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Gross Alpha			27.1	22.20		7.61	10.0	7.43	pCi/g	82	44 - 140		

Lab Sample ID: 160-13546-1 DU
Matrix: Solid
Analysis Batch: 208837

Client Sample ID: SB-80-0-3.6-20150824
Prep Type: Total/NA
Prep Batch: 208859

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Gross Alpha	14.5			14.78		7.42	10.0	10.0	pCi/g			0.02	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Lab Sample ID: MB 160-209129/1-A
Matrix: Solid
Analysis Batch: 210729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209129

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	0.01983	U	0.0220	0.0221	0.100	0.0313	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	0.005924	U	0.0118	0.0119	0.100	0.0178	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	0.01584	U	0.0227	0.0227	0.100	0.0383	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*92.9*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Lab Sample ID: LCS 160-209129/2-A
Matrix: Solid
Analysis Batch: 210730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209129

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Uranium-233/234			3.18	2.790		0.328	0.100	0.0262	pCi/g	88	84 - 120		
Uranium-238			3.26	3.158		0.361	0.100	0.0261	pCi/g	97	82 - 122		

Tracer	*LCS %Yield*	*LCS Qualifier*	*Limits*
Uranium-232	*94.2*		*30 - 110*

Lab Sample ID: 160-13546-1 DU
Matrix: Solid
Analysis Batch: 210792

Client Sample ID: SB-80-0-3.6-20150824
Prep Type: Total/NA
Prep Batch: 209129

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Uranium-233/234	0.751			0.6242		0.0960	0.100	0.0143	pCi/g			0.61	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry) (Continued)

Lab Sample ID: 160-13546-1 DU
Matrix: Solid
Analysis Batch: 210792

Client Sample ID: SB-80-0-3.6-20150824
Prep Type: Total/NA
Prep Batch: 209129

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Uranium-235/236	0.0202			0.02438		0.0185	0.100	0.0178	pCi/g			0.11	1
Uranium-238	0.610			0.6539		0.0989	0.100	0.0143	pCi/g			0.22	1

Tracer	*DU %Yield*	*DU Qualifier*	*Limits*
Uranium-232	*87.0*		*30 - 110*

Metals

Leach Batch: 208005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13546-1	SB-80-0-3.6-20150824	Total/NA	Solid	Dry and Grind	
160-13546-1 MS	SB-80-0-3.6-20150824	Total/NA	Solid	Dry and Grind	
160-13546-1 MSD	SB-80-0-3.6-20150824	Total/NA	Solid	Dry and Grind	
160-13546-2	SB-75-0-3.5-20150824	Total/NA	Solid	Dry and Grind	
160-13546-3	SB-77-0-9-20150824	Total/NA	Solid	Dry and Grind	
160-13546-4	SB-74-0-14-20150824	Total/NA	Solid	Dry and Grind	
160-13546-5	SB-82-0-16-20150824	Total/NA	Solid	Dry and Grind	
160-13546-6	SB-79-0-8-20150825	Total/NA	Solid	Dry and Grind	
160-13546-7	SB-76-0-8-20150825	Total/NA	Solid	Dry and Grind	
160-13546-8	SB-81-0-6-20150825	Total/NA	Solid	Dry and Grind	
160-13546-9	SB-78-0-14-20150825	Total/NA	Solid	Dry and Grind	
160-13546-10	SB-DUP1-20150825	Total/NA	Solid	Dry and Grind	

Prep Batch: 209333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13546-1	SB-80-0-3.6-20150824	Total/NA	Solid	3050B	208005
160-13546-1 MS	SB-80-0-3.6-20150824	Total/NA	Solid	3050B	208005
160-13546-1 MSD	SB-80-0-3.6-20150824	Total/NA	Solid	3050B	208005
160-13546-2	SB-75-0-3.5-20150824	Total/NA	Solid	3050B	208005
160-13546-3	SB-77-0-9-20150824	Total/NA	Solid	3050B	208005
160-13546-4	SB-74-0-14-20150824	Total/NA	Solid	3050B	208005
160-13546-5	SB-82-0-16-20150824	Total/NA	Solid	3050B	208005
160-13546-6	SB-79-0-8-20150825	Total/NA	Solid	3050B	208005
160-13546-7	SB-76-0-8-20150825	Total/NA	Solid	3050B	208005
160-13546-8	SB-81-0-6-20150825	Total/NA	Solid	3050B	208005
160-13546-9	SB-78-0-14-20150825	Total/NA	Solid	3050B	208005
160-13546-10	SB-DUP1-20150825	Total/NA	Solid	3050B	208005
LCS 160-209333/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 160-209333/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 211073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13546-1	SB-80-0-3.6-20150824	Total/NA	Solid	6020A	209333
160-13546-1 MS	SB-80-0-3.6-20150824	Total/NA	Solid	6020A	209333
160-13546-1 MSD	SB-80-0-3.6-20150824	Total/NA	Solid	6020A	209333
160-13546-2	SB-75-0-3.5-20150824	Total/NA	Solid	6020A	209333
160-13546-3	SB-77-0-9-20150824	Total/NA	Solid	6020A	209333
160-13546-4	SB-74-0-14-20150824	Total/NA	Solid	6020A	209333
160-13546-5	SB-82-0-16-20150824	Total/NA	Solid	6020A	209333
160-13546-6	SB-79-0-8-20150825	Total/NA	Solid	6020A	209333
160-13546-7	SB-76-0-8-20150825	Total/NA	Solid	6020A	209333
160-13546-8	SB-81-0-6-20150825	Total/NA	Solid	6020A	209333
160-13546-9	SB-78-0-14-20150825	Total/NA	Solid	6020A	209333
160-13546-10	SB-DUP1-20150825	Total/NA	Solid	6020A	209333
LCS 160-209333/2-A	Lab Control Sample	Total/NA	Solid	6020A	209333
MB 160-209333/1-A	Method Blank	Total/NA	Solid	6020A	209333

Rad

Leach Batch: 208005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13546-1	SB-80-0-3.6-20150824	Total/NA	Solid	Dry and Grind	
160-13546-1 DU	SB-80-0-3.6-20150824	Total/NA	Solid	Dry and Grind	
160-13546-2	SB-75-0-3.5-20150824	Total/NA	Solid	Dry and Grind	
160-13546-3	SB-77-0-9-20150824	Total/NA	Solid	Dry and Grind	
160-13546-4	SB-74-0-14-20150824	Total/NA	Solid	Dry and Grind	
160-13546-5	SB-82-0-16-20150824	Total/NA	Solid	Dry and Grind	
160-13546-6	SB-79-0-8-20150825	Total/NA	Solid	Dry and Grind	
160-13546-7	SB-76-0-8-20150825	Total/NA	Solid	Dry and Grind	
160-13546-8	SB-81-0-6-20150825	Total/NA	Solid	Dry and Grind	
160-13546-9	SB-78-0-14-20150825	Total/NA	Solid	Dry and Grind	
160-13546-10	SB-DUP1-20150825	Total/NA	Solid	Dry and Grind	

Prep Batch: 208362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13546-1	SB-80-0-3.6-20150824	Total/NA	Solid	Fill_Geo-21	208005
160-13546-1 DU	SB-80-0-3.6-20150824	Total/NA	Solid	Fill_Geo-21	208005
160-13546-2	SB-75-0-3.5-20150824	Total/NA	Solid	Fill_Geo-21	208005
160-13546-3	SB-77-0-9-20150824	Total/NA	Solid	Fill_Geo-21	208005
160-13546-4	SB-74-0-14-20150824	Total/NA	Solid	Fill_Geo-21	208005
160-13546-5	SB-82-0-16-20150824	Total/NA	Solid	Fill_Geo-21	208005
160-13546-6	SB-79-0-8-20150825	Total/NA	Solid	Fill_Geo-21	208005
160-13546-7	SB-76-0-8-20150825	Total/NA	Solid	Fill_Geo-21	208005
160-13546-8	SB-81-0-6-20150825	Total/NA	Solid	Fill_Geo-21	208005
160-13546-9	SB-78-0-14-20150825	Total/NA	Solid	Fill_Geo-21	208005
160-13546-10	SB-DUP1-20150825	Total/NA	Solid	Fill_Geo-21	208005
LCS 160-208362/2-A	Lab Control Sample	Total/NA	Solid	Fill_Geo-21	
MB 160-208362/1-A	Method Blank	Total/NA	Solid	Fill_Geo-21	

Prep Batch: 208859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13546-1	SB-80-0-3.6-20150824	Total/NA	Solid	Thin_Layer	208005
160-13546-1 DU	SB-80-0-3.6-20150824	Total/NA	Solid	Thin_Layer	208005
160-13546-2	SB-75-0-3.5-20150824	Total/NA	Solid	Thin_Layer	208005
160-13546-3	SB-77-0-9-20150824	Total/NA	Solid	Thin_Layer	208005
160-13546-4	SB-74-0-14-20150824	Total/NA	Solid	Thin_Layer	208005
160-13546-5	SB-82-0-16-20150824	Total/NA	Solid	Thin_Layer	208005
160-13546-6	SB-79-0-8-20150825	Total/NA	Solid	Thin_Layer	208005
160-13546-7	SB-76-0-8-20150825	Total/NA	Solid	Thin_Layer	208005
160-13546-8	SB-81-0-6-20150825	Total/NA	Solid	Thin_Layer	208005
160-13546-9	SB-78-0-14-20150825	Total/NA	Solid	Thin_Layer	208005
160-13546-10	SB-DUP1-20150825	Total/NA	Solid	Thin_Layer	208005
LCS 160-208859/2-A	Lab Control Sample	Total/NA	Solid	Thin_Layer	
MB 160-208859/1-A	Method Blank	Total/NA	Solid	Thin_Layer	

Prep Batch: 209129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13546-1	SB-80-0-3.6-20150824	Total/NA	Solid	ExtChrom	208005
160-13546-1 DU	SB-80-0-3.6-20150824	Total/NA	Solid	ExtChrom	208005
160-13546-2	SB-75-0-3.5-20150824	Total/NA	Solid	ExtChrom	208005
160-13546-3	SB-77-0-9-20150824	Total/NA	Solid	ExtChrom	208005
160-13546-4	SB-74-0-14-20150824	Total/NA	Solid	ExtChrom	208005

Rad (Continued)

Prep Batch: 209129 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13546-5	SB-82-0-16-20150824	Total/NA	Solid	ExtChrom	208005
160-13546-6	SB-79-0-8-20150825	Total/NA	Solid	ExtChrom	208005
160-13546-7	SB-76-0-8-20150825	Total/NA	Solid	ExtChrom	208005
160-13546-8	SB-81-0-6-20150825	Total/NA	Solid	ExtChrom	208005
160-13546-9	SB-78-0-14-20150825	Total/NA	Solid	ExtChrom	208005
160-13546-10	SB-DUP1-20150825	Total/NA	Solid	ExtChrom	208005
LCS 160-209129/2-A	Lab Control Sample	Total/NA	Solid	ExtChrom	
MB 160-209129/1-A	Method Blank	Total/NA	Solid	ExtChrom	

Tracer/Carrier Summary

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Matrix: Solid

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)							
Lab Sample ID	Client Sample ID	U-232 (30-110)							
160-13546-1	SB-80-0-3.6-20150824	72.2							
160-13546-1 DU	SB-80-0-3.6-20150824	87.0							
160-13546-2	SB-75-0-3.5-20150824	92.5							
160-13546-3	SB-77-0-9-20150824	90.0							
160-13546-4	SB-74-0-14-20150824	91.0							
160-13546-5	SB-82-0-16-20150824	97.1							
160-13546-6	SB-79-0-8-20150825	82.3							
160-13546-7	SB-76-0-8-20150825	91.0							
160-13546-8	SB-81-0-6-20150825	99.4							
160-13546-9	SB-78-0-14-20150825	91.6							
160-13546-10	SB-DUP1-20150825	98.2							
LCS 160-209129/2-A	Lab Control Sample	94.2							
MB 160-209129/1-A	Method Blank	92.9							

Tracer/Carrier Legend

U-232 = Uranium-232

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-13585-1
Client Project/Site: BLCP Sampling - Radioactivity

For:
CDM Smith, Inc.
11 British American Blvd
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Latham, New York 12110

Attn: Amy Picunas

Elizabeth M. Hoerchler

Authorized for release by:
9/28/2015 12:12:25 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 160-13585-1

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: CDM Smith, Inc.

Project: BLCP Sampling - Radioactivity

Report Number: 160-13585-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 08/28/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 19.0° C.

ISM_DD_SI_BM_SS prep batch 208635
These samples had rocks and organic material. The samples arrived wet and were oven dried and puck-milled prior to sieving through 2 mm mesh and slab sub-sampling. SB-85-0-10-20150826 (160-13585-1), SB-85-0-10-20150826 (160-13585-1[MS]), SB-85-0-10-20150826 (160-13585-1[MSD]), SB-89-0-12-20150826 (160-13585-2), SB-92-0-10-20150826 (160-13585-3), SB-91-0-10-20150826 (160-13585-4), DUP-2 (160-13585-5), SB-97-0-10-20150826 (160-13585-6), SB-93-0-10-20150826 (160-13585-7), SB-90-0-10-20150826 (160-13585-8), SB-98-0-10-20150826 (160-13585-9), SB-84-0-10-20150825 (160-13585-10), SB-88-0-8-20150825 (160-13585-11), SB-88-0-8-20150825 (160-13585-11[MS]), SB-88-0-8-20150825 (160-13585-11[MSD]), SB-83-0-12-20150825 (160-13585-12), SB-87-0-12-20150826 (160-13585-13), SB-95-0-10-20150827 (160-13585-14), SB-94-0-10-20150827 (160-13585-15), SB-96-0-10-20150827 (160-13585-16) and SB-86-0-8.5-20150827 (160-13585-17)

METALS (ICP/MS)

Job ID: 160-13585-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

Samples SB-85-0-10-20150826 (160-13585-1), SB-89-0-12-20150826 (160-13585-2), SB-92-0-10-20150826 (160-13585-3), SB-91-0-10-20150826 (160-13585-4), DUP-2 (160-13585-5), SB-97-0-10-20150826 (160-13585-6), SB-93-0-10-20150826 (160-13585-7), SB-90-0-10-20150826 (160-13585-8), SB-98-0-10-20150826 (160-13585-9), SB-84-0-10-20150825 (160-13585-10), SB-88-0-8-20150825 (160-13585-11), SB-83-0-12-20150825 (160-13585-12), SB-95-0-10-20150827 (160-13585-14), SB-94-0-10-20150827 (160-13585-15), SB-96-0-10-20150827 (160-13585-16) and SB-86-0-8.5-20150827 (160-13585-17) were analyzed for Metals (ICP/MS) in accordance with EPA SW-846 Method 6020A. The samples were dried on 08/31/2015, prepared on 09/03/2015 and 09/10/2015 and analyzed on 09/15/2015 and 09/18/2015.

Preparation batch 160-208635 and 160-209332 and analytical batch 160-211963:
The following samples were diluted due to the nature of the sample matrix. The samples were high in salts, which caused internal standard and QC failures when the samples were run at a lesser dilution: SB-85-0-10-20150826 (160-13585-1), SB-85-0-10-20150826 (160-13585-1[MS]), SB-85-0-10-20150826 (160-13585-1[MSD]), SB-89-0-12-20150826 (160-13585-2), SB-92-0-10-20150826 (160-13585-3), SB-91-0-10-20150826 (160-13585-4), DUP-2 (160-13585-5), SB-97-0-10-20150826 (160-13585-6), SB-93-0-10-20150826 (160-13585-7), SB-90-0-10-20150826 (160-13585-8), SB-98-0-10-20150826 (160-13585-9), SB-84-0-10-20150825 (160-13585-10), SB-88-0-8-20150825 (160-13585-11), SB-88-0-8-20150825 (160-13585-11[MS]), SB-88-0-8-20150825 (160-13585-11[MSD]), SB-83-0-12-20150825 (160-13585-12), SB-94-0-10-20150827 (160-13585-15), SB-96-0-10-20150827 (160-13585-16), SB-86-0-8.5-20150827 (160-13585-17) and (160-13585-A-1-D SD). Elevated reporting limits (RLs) are provided.

Preparation batch 160-208635 and 160-210266 and analytical batch 160-211074:
The following samples were diluted due to the nature of the sample matrix. The samples were high in salts, which cause internal standard and QC failures when the samples are run at a lesser dilution: SB-95-0-10-20150827 (160-13585-14), (160-13585-A-14-E MS), (160-13585-A-14-F MSD) and (160-13585-A-14-D SD). Elevated reporting limits (RLs) are provided.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

RADIUM-226 BY GAMMA SPEC (21 DAY INGROWTH)

Samples SB-85-0-10-20150826 (160-13585-1), SB-89-0-12-20150826 (160-13585-2), SB-92-0-10-20150826 (160-13585-3), SB-91-0-10-20150826 (160-13585-4), DUP-2 (160-13585-5), SB-97-0-10-20150826 (160-13585-6), SB-93-0-10-20150826 (160-13585-7), SB-90-0-10-20150826 (160-13585-8), SB-98-0-10-20150826 (160-13585-9), SB-84-0-10-20150825 (160-13585-10), SB-88-0-8-20150825 (160-13585-11), SB-83-0-12-20150825 (160-13585-12), SB-95-0-10-20150827 (160-13585-14), SB-94-0-10-20150827 (160-13585-15), SB-96-0-10-20150827 (160-13585-16) and SB-86-0-8.5-20150827 (160-13585-17) were analyzed for Radium-226 by gamma spec (21 day ingrowth) in accordance with EPA 901.1. The samples were dried on 08/31/2015, prepared on 09/03/2015 and analyzed on 09/24/2015.

Prep batch: 160-209360
Lead-214 analyzed by gamma spectroscopy was detected above the MDC in the method blank. Variations in Compton backgrounds and statistical analyses allow for small area counts in the ROIs of this nuclide. Other Uranium decay chain products are not present in the blank to support Lead-214 identification. The data is reported. SB-85-0-10-20150826 (160-13585-1), SB-89-0-12-20150826 (160-13585-2), SB-92-0-10-20150826 (160-13585-3), SB-91-0-10-20150826 (160-13585-4), DUP-2 (160-13585-5), SB-97-0-10-20150826 (160-13585-6), SB-93-0-10-20150826 (160-13585-7), SB-90-0-10-20150826 (160-13585-8), SB-98-0-10-20150826 (160-13585-9), SB-84-0-10-20150825 (160-13585-10), SB-88-0-8-20150825 (160-13585-11), SB-83-0-12-20150825 (160-13585-12), SB-95-0-10-20150827 (160-13585-14), SB-94-0-10-20150827 (160-13585-15), SB-96-0-10-20150827 (160-13585-16), SB-86-0-8.5-20150827 (160-13585-17), (LCS 160-209360/2-A), (MB 160-209360/1-A) and (160-13585-A-1-H DU)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GROSS ALPHA AND GROSS BETA RADIOACTIVITY

Samples SB-85-0-10-20150826 (160-13585-1), SB-89-0-12-20150826 (160-13585-2), SB-92-0-10-20150826 (160-13585-3), SB-91-0-10-20150826 (160-13585-4), DUP-2 (160-13585-5), SB-97-0-10-20150826 (160-13585-6), SB-93-0-10-20150826 (160-13585-7), SB-90-0-10-20150826 (160-13585-8), SB-98-0-10-20150826 (160-13585-9), SB-84-0-10-20150825 (160-13585-10), SB-88-0-8-20150825 (160-13585-11), SB-83-0-12-20150825 (160-13585-12), SB-95-0-10-20150827 (160-13585-14), SB-94-0-10-20150827 (160-13585-15), SB-96-0-10-20150827 (160-13585-16) and SB-86-0-8.5-20150827 (160-13585-17) were analyzed for Gross Alpha and Gross Beta Radioactivity in accordance with SW-846 Method 9310. The samples were dried on 08/31/2015,

Job ID: 160-13585-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

prepared on 09/09/2015 and analyzed on 09/09/2015 and 09/10/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

ISOTOPIC URANIUM (ALPHA SPECTROMETRY)

Samples SB-85-0-10-20150826 (160-13585-1), SB-89-0-12-20150826 (160-13585-2), SB-92-0-10-20150826 (160-13585-3), SB-91-0-10-20150826 (160-13585-4), DUP-2 (160-13585-5), SB-97-0-10-20150826 (160-13585-6), SB-93-0-10-20150826 (160-13585-7), SB-90-0-10-20150826 (160-13585-8), SB-98-0-10-20150826 (160-13585-9), SB-84-0-10-20150825 (160-13585-10), SB-88-0-8-20150825 (160-13585-11), SB-83-0-12-20150825 (160-13585-12), SB-95-0-10-20150827 (160-13585-14), SB-94-0-10-20150827 (160-13585-15), SB-96-0-10-20150827 (160-13585-16) and SB-86-0-8.5-20150827 (160-13585-17) were analyzed for Isotopic Uranium (Alpha Spectrometry) in accordance with DOE. The samples were dried on 08/31/2015, prepared on 09/14/2015 and analyzed on 09/20/2015 and 09/21/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TAL-4124 (1007)

Client: CDMSmith	Project Manager: Amy Picunas	Date: 8/27/15	Chain of Custody Number: 277707
Address: 11 British American Blvd	Telephone Number (Area Code)/Fax Number: 518-782-4500	Lab Number:	Page 1 of 2
City: Latham / State: NY / Zip Code: 12110	Site Contact: Eric Rosenzweig	Lab Contact:	
Project Name and Location (State): BLCP	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt: NYS DEC EDD

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	TCL VOA	TCL SVOA	TCL PCB/Pest	TAL Total Metals
SB-85-0-10-20150826	8/26/15	9:10				X							X	X	X	X
SB-85 MS	8/26/15	9:10				X							X	X	X	X
SB-85 MSD	8/26/15	9:10				X							X	X	X	X
SB-89-0-12-20150826	8/26/15	10:00				X							X	X	X	X
SB-92-0-10-20150826	8/26/15	11:35				X							X	X	X	X
SB-91-0-10-20150826	8/26/15	13:10				X							X	X	X	X
DUP 2	8/26/15					X							X	X	X	X
SB-97-0-10-20150826	8/26/15	13:45				X							X	X	X	X
SB-93-0-10-20150826	8/26/15	14:25				X							X	X	X	X
SB-90-0-10-20150826	8/26/15	15:04				X							X	X	X	X
SB-98-0-10-20150826	8/26/15	15:50				X							X	X	X	X
SB-84-0-10-20150826	8/26/15	15:50				X							X	X	X	X

160-13585 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

1. Relinquished By	Date: 8/27/15	Time: 10:50	1. Received By	Date: 8/27/15	Time: 10:50
2. Relinquished By	Date: 8/27/15	Time: 11:25	2. Received By	Date: 08/27/15	Time: 11:25
3. Relinquished By	Date:	Time:	3. Received By	Date: 8/28/15	Time: 0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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9/28/2015

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: CDMSMITH	Project Manager: Amy Picard	Date: 8/27/15	Chain of Custody Number: 277708
Address: 11 British American Blvd.	Telephone Number (Area Code)/Fax Number: 518-782-4500	Lab Number:	Page 2 of 2
City: Latham / State: NY / Zip Code: 12110	Site Contact: Eric Rosenzweig	Lab Contact:	
Project Name and Location (State): BLCP	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TEN ORIM	ISO UR	GR ALPHA	TOTAL URTH
SB-88-0-8-20150825	8/25/15	14:43				X							X	X	X	X
SB-83-0-8-20150825	8/25/15	13:50				X							X	X	X	X
SB-87-0-12-20150826	8/26/15	10:50				X							X	X	X	X
SB-88 MS/MSD	8/25/15	14:43				X							X	X	X	X
SB-95-0-10-20150827	8/27/15	7:55				X							X	X	X	X
SB-94-0-10-20150827	8/27/15	8:40				X							X	X	X	X
SB-96-0-10-20150827	8/27/15	9:55				X							X	X	X	X
SB-80-0-8.5-20150827	8/27/15	10:45				X							X	X	X	X

Special Instructions/ Conditions of Receipt: NYSDEC EDD

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

1. Relinquished By	Date: 8/27/15	Time: 10:50	1. Received By	Date: 8/27/15	Time: 10:50
2. Relinquished By	Date: 8/27/15	Time: 11:25	2. Received By (FEDEX)	Date: 08/27/15	Time: 1125
3. Relinquished By	Date:	Time:	3. Received By	Date: 8/28/15	Time: 0720

Comments

9/28/2015

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 160-13585-1

Login Number: 13585
List Number: 1
Creator: Daniels, Brian J

List Source: TestAmerica St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Method	Method Description	Protocol	Laboratory
6020A	Metals (ICP/MS)	SW846	TAL SL
901.1	Radium-226 & Other Gamma Emitters (GS)	EPA	TAL SL
9310	Gross Alpha / Beta (GFPC)	SW846	TAL SL
A-01-R	Isotopic Uranium (Alpha Spectrometry)	DOE	TAL SL

Protocol References:

DOE = U.S. Department of Energy

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-13585-1	SB-85-0-10-20150826	Solid	08/26/15 09:10	08/28/15 09:20
160-13585-2	SB-89-0-12-20150826	Solid	08/26/15 10:00	08/28/15 09:20
160-13585-3	SB-92-0-10-20150826	Solid	08/26/15 11:35	08/28/15 09:20
160-13585-4	SB-91-0-10-20150826	Solid	08/26/15 13:10	08/28/15 09:20
160-13585-5	DUP-2	Solid	08/26/15 00:00	08/28/15 09:20
160-13585-6	SB-97-0-10-20150826	Solid	08/26/15 13:45	08/28/15 09:20
160-13585-7	SB-93-0-10-20150826	Solid	08/26/15 14:25	08/28/15 09:20
160-13585-8	SB-90-0-10-20150826	Solid	08/26/15 15:04	08/28/15 09:20
160-13585-9	SB-98-0-10-20150826	Solid	08/26/15 15:50	08/28/15 09:20
160-13585-10	SB-84-0-10-20150825	Solid	08/25/15 15:50	08/28/15 09:20
160-13585-11	SB-88-0-8-20150825	Solid	08/25/15 14:43	08/28/15 09:20
160-13585-12	SB-83-0-12-20150825	Solid	08/25/15 13:50	08/28/15 09:20
160-13585-14	SB-95-0-10-20150827	Solid	08/27/15 07:55	08/28/15 09:20
160-13585-15	SB-94-0-10-20150827	Solid	08/27/15 08:40	08/28/15 09:20
160-13585-16	SB-96-0-10-20150827	Solid	08/27/15 09:55	08/28/15 09:20
160-13585-17	SB-86-0-8.5-20150827	Solid	08/27/15 10:45	08/28/15 09:20

Detection Summary

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-85-0-10-20150826 — Lab Sample ID: 160-13585-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	3.8		0.91	0.18	mg/Kg	20		6020A	Total/NA
Thorium	5.9		1.8	0.71	mg/Kg	20		6020A	Total/NA

Client Sample ID: SB-89-0-12-20150826 — Lab Sample ID: 160-13585-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.9		0.96	0.19	mg/Kg	20		6020A	Total/NA
Thorium	3.1		1.9	0.75	mg/Kg	20		6020A	Total/NA

Client Sample ID: SB-92-0-10-20150826 — Lab Sample ID: 160-13585-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	3.3		0.89	0.18	mg/Kg	20		6020A	Total/NA
Thorium	3.7		1.8	0.69	mg/Kg	20		6020A	Total/NA

Client Sample ID: SB-91-0-10-20150826 — Lab Sample ID: 160-13585-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	2.7		0.96	0.19	mg/Kg	20		6020A	Total/NA
Thorium	3.2		1.9	0.75	mg/Kg	20		6020A	Total/NA

Client Sample ID: DUP-2 — Lab Sample ID: 160-13585-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.3		0.96	0.19	mg/Kg	20		6020A	Total/NA
Thorium	2.2		1.9	0.75	mg/Kg	20		6020A	Total/NA

Client Sample ID: SB-97-0-10-20150826 — Lab Sample ID: 160-13585-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	0.68	J	0.90	0.18	mg/Kg	20		6020A	Total/NA
Thorium	2.3		1.8	0.70	mg/Kg	20		6020A	Total/NA

Client Sample ID: SB-93-0-10-20150826 — Lab Sample ID: 160-13585-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.2		0.85	0.17	mg/Kg	20		6020A	Total/NA
Thorium	2.6		1.7	0.66	mg/Kg	20		6020A	Total/NA

Client Sample ID: SB-90-0-10-20150826 — Lab Sample ID: 160-13585-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.6		0.96	0.19	mg/Kg	20		6020A	Total/NA
Thorium	3.0		1.9	0.75	mg/Kg	20		6020A	Total/NA

Client Sample ID: SB-98-0-10-20150826 — Lab Sample ID: 160-13585-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	2.0		0.96	0.19	mg/Kg	20		6020A	Total/NA
Thorium	3.1		1.9	0.75	mg/Kg	20		6020A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica St. Louis

Detection Summary

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-84-0-10-20150825 — Lab Sample ID: 160-13585-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.8		0.95	0.19	mg/Kg	20		6020A	Total/NA
Thorium	2.8		1.9	0.74	mg/Kg	20		6020A	Total/NA

Client Sample ID: SB-88-0-8-20150825 — Lab Sample ID: 160-13585-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.2		0.95	0.19	mg/Kg	20		6020A	Total/NA
Thorium	1.9		1.9	0.74	mg/Kg	20		6020A	Total/NA

Client Sample ID: SB-83-0-12-20150825 — Lab Sample ID: 160-13585-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.7		0.96	0.19	mg/Kg	20		6020A	Total/NA
Thorium	3.1		1.9	0.75	mg/Kg	20		6020A	Total/NA

Client Sample ID: SB-95-0-10-20150827 — Lab Sample ID: 160-13585-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.8		0.46	0.092	mg/Kg	10		6020A	Total/NA
Thorium	2.3		0.93	0.36	mg/Kg	10		6020A	Total/NA

Client Sample ID: SB-94-0-10-20150827 — Lab Sample ID: 160-13585-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	1.2		0.93	0.19	mg/Kg	20		6020A	Total/NA
Thorium	2.2		1.9	0.73	mg/Kg	20		6020A	Total/NA

Client Sample ID: SB-96-0-10-20150827 — Lab Sample ID: 160-13585-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	2.9		0.88	0.18	mg/Kg	20		6020A	Total/NA
Thorium	5.0		1.8	0.69	mg/Kg	20		6020A	Total/NA

Client Sample ID: SB-86-0-8.5-20150827 — Lab Sample ID: 160-13585-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Uranium	3.9		0.88	0.18	mg/Kg	20		6020A	Total/NA
Thorium	3.9		1.8	0.69	mg/Kg	20		6020A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-85-0-10-20150826

Date Collected: 08/26/15 09:10
Date Received: 08/28/15 09:20

Lab Sample ID: 160-13585-1
Matrix: Solid

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**3.8**		0.91	0.18	mg/Kg		09/03/15 10:43	09/18/15 16:18	20
Thorium	**5.9**		1.8	0.71	mg/Kg		09/03/15 10:43	09/18/15 16:18	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.00277	U	0.575	0.575		1.01	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Actinium-228	**1.27**		0.271	0.300		0.160	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Bismuth-212	0.456	U	0.713	0.714		1.19	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Bismuth-214	**1.69**		0.225	0.285		0.151	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Lead-210	-0.0259	U	1.47	1.47		2.54	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Lead-212	**1.05**		0.175	0.221		0.154	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Lead-214	**1.93**		0.193	0.278		0.162	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Potassium-40	**6.39**		1.14	1.31		0.727	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Protactinium-231	0.190	U	0.213	0.214		2.48	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Radium-226	**1.69**		0.225	0.285	0.500	0.151	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Radium-228	**1.27**		0.271	0.300	0.500	0.160	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Thallium-208	**0.433**		0.0901	0.101		0.0678	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Thorium-232	**1.27**		0.271	0.300		0.160	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Thorium-234	**2.95**		1.43	1.46		1.69	pCi/g	09/03/15 15:01	09/24/15 07:26	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 07:26*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**39.6**		9.07	10.1	10.0	7.41	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.67**		0.0996	0.172	0.100	0.0212	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0893**		0.0255	0.0266	0.100	0.00547	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**1.67**		0.0991	0.171	0.100	0.0181	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*95.8*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-89-0-12-20150826

Lab Sample ID: 160-13585-2
Matrix: Solid
Date Collected: 08/26/15 10:00
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.9**		0.96	0.19	mg/Kg		09/03/15 10:43	09/18/15 16:48	20
Thorium	**3.1**		1.9	0.75	mg/Kg		09/03/15 10:43	09/18/15 16:48	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.272	U	0.307	0.309		0.866	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Actinium-228	**0.566**		0.255	0.261		0.320	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Bismuth-212	0.774	U	0.696	0.700		1.08	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Bismuth-214	**0.774**		0.174	0.191		0.158	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Lead-210	1.59	U	1.81	1.82		2.67	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Lead-212	**0.739**		0.149	0.177		0.148	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Lead-214	**1.21**		0.184	0.223		0.191	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Potassium-40	**3.42**		1.13	1.18		1.32	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Protactinium-231	0.251	U	0.243	0.245		2.34	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Radium-226	**0.774**		0.174	0.191	0.500	0.158	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Radium-228	**0.566**		0.255	0.261	0.500	0.320	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Thallium-208	**0.202**		0.0737	0.0766		0.0821	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Thorium-232	**0.566**		0.255	0.261		0.320	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Thorium-234	0.286	U	0.603	0.604		2.06	pCi/g	09/03/15 15:01	09/24/15 07:27	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 07:27*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**19.0**		7.06	7.39	10.0	8.62	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.809**		0.0730	0.0997	0.100	0.0126	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0334**		0.0170	0.0172	0.100	0.0129	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.865**		0.0753	0.105	0.100	0.0126	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*86.9*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-92-0-10-20150826

Lab Sample ID: 160-13585-3
Matrix: Solid
Date Collected: 08/26/15 11:35
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**3.3**		0.89	0.18	mg/Kg		09/03/15 10:43	09/18/15 16:53	20

Client Sample ID: SB-92-0-10-20150826

Lab Sample ID: 160-13585-3
Matrix: Solid
Date Collected: 08/26/15 11:35
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	**3.7**		1.8	0.69	mg/Kg		09/03/15 10:43	09/18/15 16:53	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.298	U	0.405	0.407		0.872	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Actinium-228	**0.454**		0.191	0.196		0.260	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Bismuth-212	0.461	U	0.635	0.637		1.05	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Bismuth-214	**1.25**		0.190	0.231		0.125	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Lead-210	2.56	U	1.95	1.97		2.58	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Lead-212	**0.495**		0.140	0.154		0.155	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Lead-214	**1.37**		0.213	0.257		0.139	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Potassium-40	**2.18**		0.972	0.997		1.40	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Protactinium-231	0.340	U	0.674	0.675		3.11	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Radium-226	**1.25**		0.190	0.231	0.500	0.125	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Radium-228	**0.454**		0.191	0.196	0.500	0.260	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Thallium-208	**0.202**		0.0574	0.0611		0.0562	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Thorium-232	**0.454**		0.191	0.196		0.260	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Thorium-234	0.481	U	1.26	1.26		2.23	pCi/g	09/03/15 15:01	09/24/15 07:34	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 07:34*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**22.8**		7.52	7.96	10.0	8.99	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.10**		0.0862	0.126	0.100	0.0174	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0683**		0.0246	0.0253	0.100	0.0160	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**1.18**		0.0891	0.133	0.100	0.0146	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*84.1*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-91-0-10-20150826

Lab Sample ID: 160-13585-4
Matrix: Solid
Date Collected: 08/26/15 13:10
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.7**		0.96	0.19	mg/Kg		09/03/15 10:43	09/18/15 16:57	20
Thorium	**3.2**		1.9	0.75	mg/Kg		09/03/15 10:43	09/18/15 16:57	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.0363	U	0.499	0.499		0.876	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Actinium-228	**0.507**		0.158	0.167		0.0917	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Bismuth-212	0.00115	U	0.480	0.480		0.900	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Bismuth-214	**1.00**		0.189	0.215		0.148	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Lead-210	1.32	U	1.09	1.10		1.72	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Lead-212	**0.486**		0.129	0.144		0.126	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Lead-214	**1.07**		0.174	0.207		0.133	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Potassium-40	**2.16**		0.864	0.892		1.16	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Protactinium-231	0.183	U	0.354	0.354		1.97	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Radium-226	**1.00**		0.189	0.215	0.500	0.148	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Radium-228	**0.507**		0.158	0.167	0.500	0.0917	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Thallium-208	**0.133**		0.0592	0.0608		0.0793	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Thorium-232	**0.507**		0.158	0.167		0.0917	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Thorium-234	0.802	U	0.417	0.425		1.73	pCi/g	09/03/15 15:01	09/24/15 08:01	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 08:01*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**14.7**		7.17	7.36	10.0	9.95	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.966**		0.0858	0.118	0.100	0.0182	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0512**		0.0223	0.0228	0.100	0.00732	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.957**		0.0851	0.117	0.100	0.0145	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*77.3*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: DUP-2

Date Collected: 08/26/15 00:00
Date Received: 08/28/15 09:20

Lab Sample ID: 160-13585-5
Matrix: Solid

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.3**		0.96	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:01	20
Thorium	**2.2**		1.9	0.75	mg/Kg		09/03/15 10:43	09/18/15 17:01	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	-0.341	U	0.746	0.747		1.26	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Actinium-228	**0.376**		0.232	0.235		0.320	pCi/g	09/03/15 15:01	09/24/15 08:06	1

Client Sample ID: DUP-2

Date Collected: 08/26/15 00:00
Date Received: 08/28/15 09:20

Lab Sample ID: 160-13585-5
Matrix: Solid

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Bismuth-212	0.216	U	0.758	0.758		1.35	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Bismuth-214	**0.772**		0.170	0.188		0.154	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Lead-210	2.36	U	2.20	2.22		3.09	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Lead-212	**0.467**		0.146	0.158		0.158	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Lead-214	**0.726**		0.164	0.180		0.192	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Potassium-40	**4.88**		1.24	1.34		1.19	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Protactinium-231	0.462	U	0.762	0.764		2.86	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Radium-226	**0.772**		0.170	0.188	0.500	0.154	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Radium-228	**0.376**		0.232	0.235	0.500	0.320	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Thallium-208	0.118	U	0.114	0.114		0.122	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Thorium-232	**0.376**		0.232	0.235		0.320	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Thorium-234	0.295	U	0.720	0.721		2.44	pCi/g	09/03/15 15:01	09/24/15 08:06	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 08:06*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**18.1**		7.31	7.59	10.0	9.09	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.549**		0.0586	0.0745	0.100	0.0171	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0249**		0.0138	0.0139	0.100	0.00574	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.563**		0.0593	0.0758	0.100	0.0171	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*94.3*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-97-0-10-20150826

Date Collected: 08/26/15 13:45
Date Received: 08/28/15 09:20

Lab Sample ID: 160-13585-6
Matrix: Solid

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.68**	**J**	0.90	0.18	mg/Kg		09/03/15 10:43	09/18/15 17:05	20
Thorium	**2.3**		1.8	0.70	mg/Kg		09/03/15 10:43	09/18/15 17:05	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	-0.00424	U	0.478	0.478		0.864	pCi/g	09/03/15 15:01	09/24/15 08:33	1

Client Sample ID: SB-97-0-10-20150826

Lab Sample ID: 160-13585-6
Matrix: Solid
Date Collected: 08/26/15 13:45
Date Received: 08/28/15 09:20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-228	**0.469**		0.191	0.197		0.244	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Bismuth-212	0.600	U	0.578	0.581		0.895	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Bismuth-214	**0.667**		0.170	0.183		0.144	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Lead-210	0.689	U	1.03	1.03		1.72	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Lead-212	**0.501**		0.124	0.140		0.119	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Lead-214	**0.690**		0.149	0.166		0.159	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Potassium-40	**1.42**		0.847	0.859		1.30	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Protactinium-231	-0.271	U	1.18	1.18		2.08	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Radium-226	**0.667**		0.170	0.183	0.500	0.144	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Radium-228	**0.469**		0.191	0.197	0.500	0.244	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Thallium-208	**0.232**		0.0625	0.0670		0.0494	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Thorium-232	**0.469**		0.191	0.197		0.244	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Thorium-234	0.755	U	0.434	0.441		1.77	pCi/g	09/03/15 15:01	09/24/15 08:33	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 08:33*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**19.2**		7.70	8.00	10.0	9.87	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.408**		0.0499	0.0605	0.100	0.0116	pCi/g	09/14/15 09:07	09/21/15 18:41	1
Uranium-235/236	0.0108	U	0.0105	0.0105	0.100	0.0145	pCi/g	09/14/15 09:07	09/21/15 18:41	1
Uranium-238	**0.353**		0.0465	0.0552	0.100	0.0132	pCi/g	09/14/15 09:07	09/21/15 18:41	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*94.8*		*30 - 110*	*09/14/15 09:07*	*09/21/15 18:41*	*1*

Client Sample ID: SB-93-0-10-20150826

Lab Sample ID: 160-13585-7
Matrix: Solid
Date Collected: 08/26/15 14:25
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.2**		0.85	0.17	mg/Kg		09/03/15 10:43	09/18/15 17:10	20
Thorium	**2.6**		1.7	0.66	mg/Kg		09/03/15 10:43	09/18/15 17:10	20

Client Sample ID: SB-93-0-10-20150826

Lab Sample ID: 160-13585-7
Matrix: Solid
Date Collected: 08/26/15 14:25
Date Received: 08/28/15 09:20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.383	U	0.426	0.428		0.688	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Actinium-228	**0.799**		0.177	0.195		0.214	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Bismuth-212	0.698	U	0.677	0.681		1.06	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Bismuth-214	**0.765**		0.160	0.178		0.139	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Lead-210	1.78	U	1.46	1.47		2.36	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Lead-212	**0.485**		0.150	0.163		0.171	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Lead-214	**0.902**		0.168	0.192		0.181	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Potassium-40	**4.79**		1.15	1.25		0.845	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Protactinium-231	0.0463	U	0.0840	0.0841		2.35	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Radium-226	**0.765**		0.160	0.178	0.500	0.139	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Radium-228	**0.799**		0.177	0.195	0.500	0.214	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Thallium-208	**0.231**		0.0732	0.0771		0.0752	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Thorium-232	**0.799**		0.177	0.195		0.214	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Thorium-234	0.505	U	0.571	0.574		2.04	pCi/g	09/03/15 15:01	09/24/15 08:34	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 08:34*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**18.9**		6.86	7.19	10.0	8.08	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.591**		0.0599	0.0778	0.100	0.0116	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0263**		0.0141	0.0142	0.100	0.00564	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.535**		0.0568	0.0724	0.100	0.00452	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*95.2*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-90-0-10-20150826

Lab Sample ID: 160-13585-8
Matrix: Solid
Date Collected: 08/26/15 15:04
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.6**		0.96	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:14	20
Thorium	**3.0**		1.9	0.75	mg/Kg		09/03/15 10:43	09/18/15 17:14	20

Client Sample ID: SB-90-0-10-20150826

Lab Sample ID: 160-13585-8
Matrix: Solid
Date Collected: 08/26/15 15:04
Date Received: 08/28/15 09:20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.0875	U	0.144	0.144		1.18	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Actinium-228	**0.493**		0.213	0.219		0.350	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Bismuth-212	0.692	U	0.686	0.690		1.08	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Bismuth-214	**0.926**		0.215	0.235		0.201	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Lead-210	2.24	U	2.10	2.12		2.88	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Lead-212	**0.636**		0.187	0.205		0.201	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Lead-214	**1.01**		0.170	0.200		0.157	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Potassium-40	**3.80**		1.16	1.23		1.38	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Protactinium-231	0.555	U	0.741	0.744		1.96	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Radium-226	**0.926**		0.215	0.235	0.500	0.201	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Radium-228	**0.493**		0.213	0.219	0.500	0.350	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Thallium-208	**0.203**		0.0744	0.0773		0.0818	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Thorium-232	**0.493**		0.213	0.219		0.350	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Thorium-234	1.43	U	0.862	0.875		2.32	pCi/g	09/03/15 15:01	09/24/15 08:38	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 08:38*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**20.4**		6.72	7.11	10.0	7.07	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.757**		0.0687	0.0936	0.100	0.0181	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0236**		0.0140	0.0141	0.100	0.0121	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.683**		0.0649	0.0866	0.100	0.0134	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*98.0*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-98-0-10-20150826

Lab Sample ID: 160-13585-9
Matrix: Solid
Date Collected: 08/26/15 15:50
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.0**		0.96	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:31	20
Thorium	**3.1**		1.9	0.75	mg/Kg		09/03/15 10:43	09/18/15 17:31	20

Client Sample ID: SB-98-0-10-20150826

Lab Sample ID: 160-13585-9
Matrix: Solid
Date Collected: 08/26/15 15:50
Date Received: 08/28/15 09:20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.496	U	0.473	0.476		0.758	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Actinium-228	**0.619**		0.203	0.212		0.194	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Bismuth-212	0.681	U	0.597	0.601		0.925	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Bismuth-214	**0.868**		0.155	0.179		0.108	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Lead-210	**2.46**		1.26	1.29		1.36	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Lead-212	**0.672**		0.130	0.157		0.122	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Lead-214	**0.995**		0.157	0.188		0.132	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Potassium-40	**4.46**		1.10	1.19		1.14	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Protactinium-231	-0.491	U	1.19	1.19		2.04	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Radium-226	**0.868**		0.155	0.179	0.500	0.108	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Radium-228	**0.619**		0.203	0.212	0.500	0.194	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Thallium-208	**0.132**		0.0563	0.0579		0.0789	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Thorium-232	**0.619**		0.203	0.212		0.194	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Thorium-234	0.737	U	0.518	0.524		1.41	pCi/g	09/03/15 15:01	09/24/15 09:12	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 09:12*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**16.1**		6.93	7.17	10.0	8.66	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.877**		0.0741	0.105	0.100	0.0120	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0407**		0.0178	0.0181	0.100	0.00582	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.826**		0.0717	0.0998	0.100	0.00467	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*96.9*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-84-0-10-20150825

Lab Sample ID: 160-13585-10
Matrix: Solid
Date Collected: 08/25/15 15:50
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.8**		0.95	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:35	20
Thorium	**2.8**		1.9	0.74	mg/Kg		09/03/15 10:43	09/18/15 17:35	20

Client Sample ID: SB-84-0-10-20150825

Lab Sample ID: 160-13585-10
Matrix: Solid
Date Collected: 08/25/15 15:50
Date Received: 08/28/15 09:20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.216	U	0.489	0.489		0.840	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Actinium-228	**0.791**		0.212	0.227		0.124	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Bismuth-212	0.734	U	0.714	0.718		1.12	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Bismuth-214	**1.06**		0.196	0.225		0.155	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Lead-210	1.80	U	1.77	1.78		2.64	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Lead-212	**0.757**		0.178	0.203		0.182	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Lead-214	**1.17**		0.179	0.217		0.170	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Potassium-40	**2.36**		1.04	1.07		1.39	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Protactinium-231	0.647	U	0.854	0.857		1.53	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Radium-226	**1.06**		0.196	0.225	0.500	0.155	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Radium-228	**0.791**		0.212	0.227	0.500	0.124	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Thallium-208	**0.221**		0.0879	0.0908		0.0951	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Thorium-232	**0.791**		0.212	0.227		0.124	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Thorium-234	1.08	U	1.16	1.16		2.07	pCi/g	09/03/15 15:01	09/24/15 09:11	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 09:11*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**16.3**		4.53	4.90	10.0	5.11	pCi/g	09/09/15 13:42	09/10/15 11:03	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.814**		0.0705	0.0982	0.100	0.0117	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0587**		0.0211	0.0217	0.100	0.00568	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.767**		0.0682	0.0938	0.100	0.00456	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*95.3*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-88-0-8-20150825

Lab Sample ID: 160-13585-11
Matrix: Solid
Date Collected: 08/25/15 14:43
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.2**		0.95	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:40	20
Thorium	**1.9**		1.9	0.74	mg/Kg		09/03/15 10:43	09/18/15 17:40	20

Client Sample ID: SB-88-0-8-20150825

Lab Sample ID: 160-13585-11
Matrix: Solid
Date Collected: 08/25/15 14:43
Date Received: 08/28/15 09:20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.000	U	0.367	0.367		1.49	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Actinium-228	**1.56**		0.280	0.322		0.204	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Bismuth-212	0.899	U	0.785	0.791		1.22	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Bismuth-214	**1.36**		0.263	0.299		0.217	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Lead-210	1.99	U	1.64	1.65		2.62	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Lead-212	**1.25**		0.195	0.253		0.192	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Lead-214	**1.41**		0.196	0.245		0.154	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Potassium-40	**4.16**		1.30	1.36		1.64	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Protactinium-231	0.504	U	0.504	0.507		3.18	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Radium-226	**1.36**		0.263	0.299	0.500	0.217	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Radium-228	**1.56**		0.280	0.322	0.500	0.204	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Thallium-208	**0.511**		0.102	0.115		0.0764	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Thorium-232	**1.56**		0.280	0.322		0.204	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Thorium-234	0.724	U	0.669	0.674		2.63	pCi/g	09/03/15 15:01	09/24/15 09:11	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 09:11*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**33.5**		7.83	8.71	10.0	5.95	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.01**		0.0816	0.118	0.100	0.0201	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0351**		0.0173	0.0176	0.100	0.0128	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.954**		0.0787	0.112	0.100	0.0125	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*90.2*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-83-0-12-20150825

Lab Sample ID: 160-13585-12
Matrix: Solid
Date Collected: 08/25/15 13:50
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.7**		0.96	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:52	20
Thorium	**3.1**		1.9	0.75	mg/Kg		09/03/15 10:43	09/18/15 17:52	20

Client Sample ID: SB-83-0-12-20150825

Date Collected: 08/25/15 13:50
Date Received: 08/28/15 09:20

Lab Sample ID: 160-13585-12
Matrix: Solid

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.287	U	0.622	0.623		1.06	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Actinium-228	**0.941**		0.319	0.334		0.229	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Bismuth-212	0.607	U	0.665	0.668		1.06	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Bismuth-214	**0.940**		0.181	0.206		0.127	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Lead-210	**3.19**		2.11	2.14		2.39	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Lead-212	**0.464**		0.162	0.173		0.159	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Lead-214	**1.05**		0.173	0.205		0.170	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Potassium-40	**10.9**		1.79	2.11		1.06	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Protactinium-231	0.164	U	0.395	0.395		2.47	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Radium-226	**0.940**		0.181	0.206	0.500	0.127	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Radium-228	**0.941**		0.319	0.334	0.500	0.229	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Thallium-208	0.103	U	0.0842	0.0848		0.116	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Thorium-232	**0.941**		0.319	0.334		0.229	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Thorium-234	0.463	U	0.495	0.497		1.41	pCi/g	09/03/15 15:01	09/24/15 09:45	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 09:45*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**17.5**		6.13	6.44	10.0	6.91	pCi/g	09/09/15 13:42	09/09/15 20:43	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.583**		0.0614	0.0785	0.100	0.0102	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0388**		0.0181	0.0184	0.100	0.0127	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.621**		0.0632	0.0820	0.100	0.0101	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*93.6*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-95-0-10-20150827

Date Collected: 08/27/15 07:55
Date Received: 08/28/15 09:20

Lab Sample ID: 160-13585-14
Matrix: Solid

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.8**		0.46	0.092	mg/Kg		09/10/15 10:09	09/15/15 00:19	10
Thorium	**2.3**		0.93	0.36	mg/Kg		09/10/15 10:09	09/15/15 00:19	10

Client Sample ID: SB-95-0-10-20150827

Lab Sample ID: 160-13585-14
Matrix: Solid
Date Collected: 08/27/15 07:55
Date Received: 08/28/15 09:20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.181	U	0.396	0.396		1.12	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Actinium-228	**0.412**		0.204	0.209		0.282	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Bismuth-212	0.479	U	0.720	0.722		1.21	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Bismuth-214	**1.26**		0.235	0.269		0.200	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Lead-210	**3.01**		2.01	2.04		2.94	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Lead-212	**0.780**		0.172	0.199		0.175	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Lead-214	**1.64**		0.254	0.306		0.195	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Potassium-40	**2.47**		0.930	0.964		1.01	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Protactinium-231	0.269	U	1.01	1.01		2.64	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Radium-226	**1.26**		0.235	0.269	0.500	0.200	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Radium-228	**0.412**		0.204	0.209	0.500	0.282	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Thallium-208	**0.263**		0.0841	0.0884		0.0847	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Thorium-232	**0.412**		0.204	0.209		0.282	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Thorium-234	1.13	U	0.833	0.841		1.99	pCi/g	09/03/15 15:01	09/24/15 10:21	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 10:21*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**15.8**		6.19	6.45	10.0	7.48	pCi/g	09/09/15 13:42	09/09/15 20:44	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.976**		0.0754	0.111	0.100	0.0150	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0420**		0.0178	0.0181	0.100	0.0113	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.989**		0.0756	0.112	0.100	0.00910	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*98.8*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-94-0-10-20150827

Lab Sample ID: 160-13585-15
Matrix: Solid
Date Collected: 08/27/15 08:40
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.2**		0.93	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:57	20
Thorium	**2.2**		1.9	0.73	mg/Kg		09/03/15 10:43	09/18/15 17:57	20

Client Sample ID: SB-94-0-10-20150827

Lab Sample ID: 160-13585-15
Matrix: Solid
Date Collected: 08/27/15 08:40
Date Received: 08/28/15 09:20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.120	U	0.544	0.544		0.953	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Actinium-228	**0.422**		0.225	0.229		0.291	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Bismuth-212	0.258	U	0.670	0.670		1.18	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Bismuth-214	**0.885**		0.213	0.232		0.182	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Lead-210	0.981	U	1.62	1.62		2.54	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Lead-212	**0.567**		0.136	0.155		0.148	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Lead-214	**0.904**		0.168	0.193		0.172	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Potassium-40	**2.38**		0.955	0.986		1.18	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Protactinium-231	0.611	U	0.656	0.660		2.60	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Radium-226	**0.885**		0.213	0.232	0.500	0.182	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Radium-228	**0.422**		0.225	0.229	0.500	0.291	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Thallium-208	**0.216**		0.0738	0.0771		0.0800	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Thorium-232	**0.422**		0.225	0.229		0.291	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Thorium-234	1.03	U	0.606	0.616		1.97	pCi/g	09/03/15 15:01	09/24/15 09:46	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 09:46*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**15.9**		5.86	6.13	10.0	6.90	pCi/g	09/09/15 13:42	09/09/15 20:44	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.670**		0.0661	0.0868	0.100	0.0179	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0335**		0.0173	0.0175	0.100	0.0154	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.602**		0.0622	0.0801	0.100	0.0101	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*91.3*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-96-0-10-20150827

Lab Sample ID: 160-13585-16
Matrix: Solid
Date Collected: 08/27/15 09:55
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.9**		0.88	0.18	mg/Kg		09/03/15 10:43	09/18/15 18:01	20
Thorium	**5.0**		1.8	0.69	mg/Kg		09/03/15 10:43	09/18/15 18:01	20

Client Sample ID: SB-96-0-10-20150827

Lab Sample ID: 160-13585-16
Matrix: Solid
Date Collected: 08/27/15 09:55
Date Received: 08/28/15 09:20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.192	U	0.349	0.349		1.21	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Actinium-228	**1.11**		0.266	0.289		0.117	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Bismuth-212	**1.15**		0.785	0.794		1.15	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Bismuth-214	**1.29**		0.231	0.267		0.179	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Lead-210	1.29	U	1.91	1.92		2.84	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Lead-212	**0.870**		0.194	0.225		0.197	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Lead-214	**1.54**		0.229	0.279		0.160	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Potassium-40	**3.48**		1.14	1.20		1.43	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Protactinium-231	0.00235	U	0.0134	0.0134		2.48	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Radium-226	**1.29**		0.231	0.267	0.500	0.179	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Radium-228	**1.11**		0.266	0.289	0.500	0.117	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Thallium-208	**0.325**		0.0848	0.0913		0.0790	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Thorium-232	**1.11**		0.266	0.289		0.117	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Thorium-234	1.62	U	1.29	1.30		2.20	pCi/g	09/03/15 15:01	09/24/15 09:44	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 09:44*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**21.6**		6.45	6.91	10.0	6.61	pCi/g	09/09/15 13:42	09/09/15 20:44	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.03**		0.0803	0.118	0.100	0.0136	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0580**		0.0212	0.0218	0.100	0.00580	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**1.01**		0.0796	0.117	0.100	0.0149	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*99.1*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-86-0-8.5-20150827

Lab Sample ID: 160-13585-17
Matrix: Solid
Date Collected: 08/27/15 10:45
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**3.9**		0.88	0.18	mg/Kg		09/03/15 10:43	09/18/15 18:05	20
Thorium	**3.9**		1.8	0.69	mg/Kg		09/03/15 10:43	09/18/15 18:05	20

Client Sample ID: SB-86-0-8.5-20150827
Date Collected: 08/27/15 10:45
Date Received: 08/28/15 09:20

Lab Sample ID: 160-13585-17
Matrix: Solid

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.193	U	0.216	0.217		0.947	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Actinium-228	**0.392**		0.209	0.213		0.291	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Bismuth-212	0.443	U	0.476	0.478		0.759	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Bismuth-214	**1.43**		0.212	0.259		0.150	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Lead-210	1.36	U	1.30	1.31		2.11	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Lead-212	**0.845**		0.157	0.192		0.150	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Lead-214	**1.65**		0.179	0.248		0.145	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Potassium-40	**3.34**		0.981	1.04		1.15	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Protactinium-231	-0.961	U	1.45	1.45		2.41	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Radium-226	**1.43**		0.212	0.259	0.500	0.150	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Radium-228	**0.392**		0.209	0.213	0.500	0.291	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Thallium-208	**0.237**		0.0691	0.0733		0.0653	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Thorium-232	**0.392**		0.209	0.213		0.291	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Thorium-234	1.23	U	0.636	0.649		1.83	pCi/g	09/03/15 15:01	09/24/15 10:22	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 10:22*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**22.2**		6.58	7.06	10.0	6.90	pCi/g	09/09/15 13:42	09/09/15 20:44	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.41**		0.0928	0.150	0.100	0.0134	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0627**		0.0218	0.0225	0.100	0.00570	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**1.39**		0.0921	0.149	0.100	0.00457	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*92.6*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 160-209332/1-A
Matrix: Solid
Analysis Batch: 211963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209332

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.096	0.019	mg/Kg		09/03/15 10:43	09/18/15 16:10	2
Thorium	ND		0.19	0.075	mg/Kg		09/03/15 10:43	09/18/15 16:10	2

Lab Sample ID: LCS 160-209332/2-A
Matrix: Solid
Analysis Batch: 211963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209332

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Uranium	89.7	88.1		mg/Kg		98	80 - 120
Thorium	89.7	88.1		mg/Kg		98	80 - 120

Lab Sample ID: 160-13585-1 MS
Matrix: Solid
Analysis Batch: 211963

Client Sample ID: SB-85-0-10-20150826
Prep Type: Total/NA
Prep Batch: 209332

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Uranium	3.8		94.0	86.4		mg/Kg		88	75 - 125
Thorium	5.9		94.0	88.9		mg/Kg		88	75 - 125

Lab Sample ID: 160-13585-1 MSD
Matrix: Solid
Analysis Batch: 211963

Client Sample ID: SB-85-0-10-20150826
Prep Type: Total/NA
Prep Batch: 209332

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Uranium	3.8		97.5	94.9		mg/Kg		93	75 - 125	9	30
Thorium	5.9		97.5	97.8		mg/Kg		94	75 - 125	10	30

Lab Sample ID: 160-13585-11 MS
Matrix: Solid
Analysis Batch: 211963

Client Sample ID: SB-88-0-8-20150825
Prep Type: Total/NA
Prep Batch: 209332

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Uranium	1.2		86.6	78.5		mg/Kg		89	75 - 125
Thorium	1.9		86.6	80.0		mg/Kg		90	75 - 125

Lab Sample ID: 160-13585-11 MSD
Matrix: Solid
Analysis Batch: 211963

Client Sample ID: SB-88-0-8-20150825
Prep Type: Total/NA
Prep Batch: 209332

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Uranium	1.2		87.7	83.2		mg/Kg		93	75 - 125	6	30
Thorium	1.9		87.7	84.6		mg/Kg		94	75 - 125	6	30

Lab Sample ID: MB 160-210266/1-A
Matrix: Solid
Analysis Batch: 211074

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210266

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.085	0.017	mg/Kg		09/10/15 10:09	09/15/15 00:10	2

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 160-210266/1-A
Matrix: Solid
Analysis Batch: 211074

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210266

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	ND		0.17	0.066	mg/Kg		09/10/15 10:09	09/15/15 00:10	2

Lab Sample ID: LCS 160-210266/2-A
Matrix: Solid
Analysis Batch: 211074

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Uranium	84.7	80.0		mg/Kg		94	80 - 120
Thorium	84.7	80.5		mg/Kg		95	80 - 120

Lab Sample ID: 160-13585-14 MS
Matrix: Solid
Analysis Batch: 211074

Client Sample ID: SB-95-0-10-20150827
Prep Type: Total/NA
Prep Batch: 210266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Uranium	1.8		97.4	96.7		mg/Kg		97	75 - 125
Thorium	2.3		97.4	97.3		mg/Kg		98	75 - 125

Lab Sample ID: 160-13585-14 MSD
Matrix: Solid
Analysis Batch: 211074

Client Sample ID: SB-95-0-10-20150827
Prep Type: Total/NA
Prep Batch: 210266

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Uranium	1.8		93.7	92.9		mg/Kg		97	75 - 125	4	30
Thorium	2.3		93.7	93.3		mg/Kg		97	75 - 125	4	30

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-209360/1-A
Matrix: Solid
Analysis Batch: 212799

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209360

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	-0.1127	U	0.444	0.444		0.784	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Actinium-228	0.03905	U	0.116	0.116		0.259	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Bismuth-212	0.0000	U	0.260	0.260		1.31	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Bismuth-214	0.1291	U	0.0753	0.0765		0.136	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Lead-210	0.01976	U	0.928	0.928		2.01	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Lead-212	-0.01657	U	0.124	0.125		0.131	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Lead-214	0.1895		0.0683	0.0710		0.105	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Potassium-40	-0.3073	U	12.3	12.3		0.827	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Protactinium-231	0.003386	U	0.00817	0.00818		1.76	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Radium-226	0.1291	U	0.0753	0.0765	0.500	0.136	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Radium-228	0.03905	U	0.116	0.116	0.500	0.259	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Thallium-208	-0.004399	U	0.0254	0.0254		0.0786	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Thorium-232	0.03905	U	0.116	0.116		0.259	pCi/g	09/03/15 15:01	09/24/15 06:53	1
Thorium-234	-0.3096	U	1.18	1.18		1.66	pCi/g	09/03/15 15:01	09/24/15 06:53	1

Other Detected Radionuclides	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Other Detected Radionuclide	None						pCi/g	09/03/15 15:01	09/24/15 06:53	1

Lab Sample ID: LCS 160-209360/2-A
Matrix: Solid
Analysis Batch: 212802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209360

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Americium-241	97.2	99.04		10.4		1.21	pCi/g	102	87 - 116
Cesium-137	30.1	29.82		3.18		0.268	pCi/g	99	87 - 120
Cobalt-60	18.8	18.73		1.93		0.0963	pCi/g	100	87 - 115

Lab Sample ID: 160-13585-1 DU
Matrix: Solid
Analysis Batch: 212799

Client Sample ID: SB-85-0-10-20150826
Prep Type: Total/NA
Prep Batch: 209360

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Actinium-227	0.00277	U	0.3102	U	0.710		1.20	pCi/g	0.24	1
Actinium-228	1.27		0.8959		0.302		0.334	pCi/g	0.62	1
Bismuth-212	0.456	U	2.086		0.947		0.879	pCi/g	0.98	1
Bismuth-214	1.69		2.086		0.364		0.213	pCi/g	0.61	1
Lead-210	-0.0259	U	1.927	U	1.78		2.70	pCi/g	0.60	1
Lead-212	1.05		1.086		0.227		0.172	pCi/g	0.09	1
Lead-214	1.93		2.131		0.325		0.183	pCi/g	0.33	1
Potassium-40	6.39		5.923		1.48		1.25	pCi/g	0.17	1
Protactinium-231	0.190	U	0.4871	U	0.467		2.89	pCi/g	0.44	1
Radium-226	1.69		2.086		0.364	0.500	0.213	pCi/g	0.61	1
Radium-228	1.27		0.8959		0.302	0.500	0.334	pCi/g	0.62	1
Thallium-208	0.433		0.3575		0.113		0.101	pCi/g	0.35	1
Thorium-232	1.27		0.8959		0.302		0.334	pCi/g	0.62	1
Thorium-234	2.95		1.945	U	0.911		2.36	pCi/g	0.42	1

Other Detected Radionuclides	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Other Detected Radionuclide	None		None					pCi/g		

Method: 9310 - Gross Alpha / Beta (GFPC)

Lab Sample ID: MB 160-210063/1-A
Matrix: Solid
Analysis Batch: 210013

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210063

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	1.676	U	5.34	5.34	10.0	9.74	pCi/g	09/09/15 13:42	09/09/15 20:41	1

Method: 9310 - Gross Alpha / Beta (GFPC) (Continued)

Lab Sample ID: LCS 160-210063/2-A
Matrix: Solid
Analysis Batch: 210013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210063

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Gross Alpha	27.1	28.00		9.77	10.0	11.0	pCi/g	103	44 - 140

Lab Sample ID: 160-13585-1 DU
Matrix: Solid
Analysis Batch: 210013

Client Sample ID: SB-85-0-10-20150826
Prep Type: Total/NA
Prep Batch: 210063

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Gross Alpha	39.6		33.25		9.53	10.0	9.45	pCi/g	0.32	1

Lab Sample ID: 160-13585-11 DU
Matrix: Solid
Analysis Batch: 210013

Client Sample ID: SB-88-0-8-20150825
Prep Type: Total/NA
Prep Batch: 210063

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Gross Alpha	33.5		20.54		8.40	10.0	10.2	pCi/g	0.76	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Lab Sample ID: MB 160-210834/1-A
Matrix: Solid
Analysis Batch: 212106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210834

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	-0.0007659	U	0.00578	0.00578	0.100	0.0148	pCi/g	09/14/15 09:07	09/20/15 22:20	1
Uranium-235/236	0.0000	U	0.00238	0.00238	0.100	0.00572	pCi/g	09/14/15 09:07	09/20/15 22:20	1
Uranium-238	-0.0003822	U	0.00408	0.00408	0.100	0.0118	pCi/g	09/14/15 09:07	09/20/15 22:20	1

Tracer	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*99.1*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:20*	*1*

Lab Sample ID: LCS 160-210834/2-A
Matrix: Solid
Analysis Batch: 212107

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210834

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Uranium-233/234	1.59	1.504		0.160	0.100	0.0102	pCi/g	94	84 - 120
Uranium-238	1.63	1.585		0.167	0.100	0.00482	pCi/g	97	82 - 122

Tracer	*LCS %Yield*	*LCS Qualifier*	*Limits*
Uranium-232	*93.5*		*30 - 110*

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry) (Continued)

Lab Sample ID: 160-13585-1 MS
Matrix: Solid
Analysis Batch: 212144

Client Sample ID: SB-85-0-10-20150826
Prep Type: Total/NA
Prep Batch: 210834

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Uranium-233/234	1.67		1.59	3.165		0.303	0.100	0.0145	pCi/g	94	70 - 130
Uranium-238	1.67		1.63	3.342		0.318	0.100	0.0127	pCi/g	103	70 - 130

Tracer	*MS %Yield*	*MS Qualifier*	*Limits*
Uranium-232	*86.6*		*30 - 110*

Lab Sample ID: 160-13585-1 MSD
Matrix: Solid
Analysis Batch: 212145

Client Sample ID: SB-85-0-10-20150826
Prep Type: Total/NA
Prep Batch: 210834

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Uranium-233/234	1.67		1.59	3.315		0.315	0.100	0.0142	pCi/g	103	70 - 130	0.24	1
Uranium-238	1.67		1.63	3.191		0.304	0.100	0.0141	pCi/g	94	70 - 130	0.24	1

Tracer	*MSD %Yield*	*MSD Qualifier*	*Limits*
Uranium-232	*92.9*		*30 - 110*

Lab Sample ID: 160-13585-11 MS
Matrix: Solid
Analysis Batch: 212156

Client Sample ID: SB-88-0-8-20150825
Prep Type: Total/NA
Prep Batch: 210834

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Uranium-233/234	1.01		1.60	2.588		0.254	0.100	0.0129	pCi/g	99	70 - 130
Uranium-238	0.954		1.63	2.704		0.264	0.100	0.0129	pCi/g	107	70 - 130

Tracer	*MS %Yield*	*MS Qualifier*	*Limits*
Uranium-232	*88.5*		*30 - 110*

Lab Sample ID: 160-13585-11 MSD
Matrix: Solid
Analysis Batch: 212157

Client Sample ID: SB-88-0-8-20150825
Prep Type: Total/NA
Prep Batch: 210834

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Uranium-233/234	1.01		1.58	2.552		0.250	0.100	0.0126	pCi/g	97	70 - 130	0.07	1
Uranium-238	0.954		1.62	2.535		0.249	0.100	0.0170	pCi/g	98	70 - 130	0.33	1

Tracer	*MSD %Yield*	*MSD Qualifier*	*Limits*
Uranium-232	*85.4*		*30 - 110*

Metals

ISM Prep Batch: 208635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13585-1	SB-85-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-1 MS	SB-85-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-1 MSD	SB-85-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-2	SB-89-0-12-20150826	Total/NA	Solid	Increment, Prep	
160-13585-3	SB-92-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-4	SB-91-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-5	DUP-2	Total/NA	Solid	Increment, Prep	
160-13585-6	SB-97-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-7	SB-93-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-8	SB-90-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-9	SB-98-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-10	SB-84-0-10-20150825	Total/NA	Solid	Increment, Prep	
160-13585-11	SB-88-0-8-20150825	Total/NA	Solid	Increment, Prep	
160-13585-11 MS	SB-88-0-8-20150825	Total/NA	Solid	Increment, Prep	
160-13585-11 MSD	SB-88-0-8-20150825	Total/NA	Solid	Increment, Prep	
160-13585-12	SB-83-0-12-20150825	Total/NA	Solid	Increment, Prep	
160-13585-14	SB-95-0-10-20150827	Total/NA	Solid	Increment, Prep	
160-13585-14 MS	SB-95-0-10-20150827	Total/NA	Solid	Increment, Prep	
160-13585-14 MSD	SB-95-0-10-20150827	Total/NA	Solid	Increment, Prep	
160-13585-15	SB-94-0-10-20150827	Total/NA	Solid	Increment, Prep	
160-13585-16	SB-96-0-10-20150827	Total/NA	Solid	Increment, Prep	
160-13585-17	SB-86-0-8.5-20150827	Total/NA	Solid	Increment, Prep	

Prep Batch: 209332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13585-1	SB-85-0-10-20150826	Total/NA	Solid	3050B	208635
160-13585-1 MS	SB-85-0-10-20150826	Total/NA	Solid	3050B	208635
160-13585-1 MSD	SB-85-0-10-20150826	Total/NA	Solid	3050B	208635
160-13585-2	SB-89-0-12-20150826	Total/NA	Solid	3050B	208635
160-13585-3	SB-92-0-10-20150826	Total/NA	Solid	3050B	208635
160-13585-4	SB-91-0-10-20150826	Total/NA	Solid	3050B	208635
160-13585-5	DUP-2	Total/NA	Solid	3050B	208635
160-13585-6	SB-97-0-10-20150826	Total/NA	Solid	3050B	208635
160-13585-7	SB-93-0-10-20150826	Total/NA	Solid	3050B	208635
160-13585-8	SB-90-0-10-20150826	Total/NA	Solid	3050B	208635
160-13585-9	SB-98-0-10-20150826	Total/NA	Solid	3050B	208635
160-13585-10	SB-84-0-10-20150825	Total/NA	Solid	3050B	208635
160-13585-11	SB-88-0-8-20150825	Total/NA	Solid	3050B	208635
160-13585-11 MS	SB-88-0-8-20150825	Total/NA	Solid	3050B	208635
160-13585-11 MSD	SB-88-0-8-20150825	Total/NA	Solid	3050B	208635
160-13585-12	SB-83-0-12-20150825	Total/NA	Solid	3050B	208635
160-13585-15	SB-94-0-10-20150827	Total/NA	Solid	3050B	208635
160-13585-16	SB-96-0-10-20150827	Total/NA	Solid	3050B	208635
160-13585-17	SB-86-0-8.5-20150827	Total/NA	Solid	3050B	208635
LCS 160-209332/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 160-209332/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 210266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13585-14	SB-95-0-10-20150827	Total/NA	Solid	3050B	208635
160-13585-14 MS	SB-95-0-10-20150827	Total/NA	Solid	3050B	208635

Metals (Continued)

Prep Batch: 210266 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13585-14 MSD	SB-95-0-10-20150827	Total/NA	Solid	3050B	208635
LCS 160-210266/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 160-210266/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 211074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13585-14	SB-95-0-10-20150827	Total/NA	Solid	6020A	210266
160-13585-14 MS	SB-95-0-10-20150827	Total/NA	Solid	6020A	210266
160-13585-14 MSD	SB-95-0-10-20150827	Total/NA	Solid	6020A	210266
LCS 160-210266/2-A	Lab Control Sample	Total/NA	Solid	6020A	210266
MB 160-210266/1-A	Method Blank	Total/NA	Solid	6020A	210266

Analysis Batch: 211963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13585-1	SB-85-0-10-20150826	Total/NA	Solid	6020A	209332
160-13585-1 MS	SB-85-0-10-20150826	Total/NA	Solid	6020A	209332
160-13585-1 MSD	SB-85-0-10-20150826	Total/NA	Solid	6020A	209332
160-13585-2	SB-89-0-12-20150826	Total/NA	Solid	6020A	209332
160-13585-3	SB-92-0-10-20150826	Total/NA	Solid	6020A	209332
160-13585-4	SB-91-0-10-20150826	Total/NA	Solid	6020A	209332
160-13585-5	DUP-2	Total/NA	Solid	6020A	209332
160-13585-6	SB-97-0-10-20150826	Total/NA	Solid	6020A	209332
160-13585-7	SB-93-0-10-20150826	Total/NA	Solid	6020A	209332
160-13585-8	SB-90-0-10-20150826	Total/NA	Solid	6020A	209332
160-13585-9	SB-98-0-10-20150826	Total/NA	Solid	6020A	209332
160-13585-10	SB-84-0-10-20150825	Total/NA	Solid	6020A	209332
160-13585-11	SB-88-0-8-20150825	Total/NA	Solid	6020A	209332
160-13585-11 MS	SB-88-0-8-20150825	Total/NA	Solid	6020A	209332
160-13585-11 MSD	SB-88-0-8-20150825	Total/NA	Solid	6020A	209332
160-13585-12	SB-83-0-12-20150825	Total/NA	Solid	6020A	209332
160-13585-15	SB-94-0-10-20150827	Total/NA	Solid	6020A	209332
160-13585-16	SB-96-0-10-20150827	Total/NA	Solid	6020A	209332
160-13585-17	SB-86-0-8.5-20150827	Total/NA	Solid	6020A	209332
LCS 160-209332/2-A	Lab Control Sample	Total/NA	Solid	6020A	209332
MB 160-209332/1-A	Method Blank	Total/NA	Solid	6020A	209332

Rad

ISM Prep Batch: 208635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13585-1	SB-85-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-1 DU	SB-85-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-1 MS	SB-85-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-1 MSD	SB-85-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-2	SB-89-0-12-20150826	Total/NA	Solid	Increment, Prep	
160-13585-3	SB-92-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-4	SB-91-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-5	DUP-2	Total/NA	Solid	Increment, Prep	
160-13585-6	SB-97-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-7	SB-93-0-10-20150826	Total/NA	Solid	Increment, Prep	

Rad (Continued)

ISM Prep Batch: 208635 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13585-8	SB-90-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-9	SB-98-0-10-20150826	Total/NA	Solid	Increment, Prep	
160-13585-10	SB-84-0-10-20150825	Total/NA	Solid	Increment, Prep	
160-13585-11	SB-88-0-8-20150825	Total/NA	Solid	Increment, Prep	
160-13585-11 DU	SB-88-0-8-20150825	Total/NA	Solid	Increment, Prep	
160-13585-11 MS	SB-88-0-8-20150825	Total/NA	Solid	Increment, Prep	
160-13585-11 MSD	SB-88-0-8-20150825	Total/NA	Solid	Increment, Prep	
160-13585-12	SB-83-0-12-20150825	Total/NA	Solid	Increment, Prep	
160-13585-14	SB-95-0-10-20150827	Total/NA	Solid	Increment, Prep	
160-13585-15	SB-94-0-10-20150827	Total/NA	Solid	Increment, Prep	
160-13585-16	SB-96-0-10-20150827	Total/NA	Solid	Increment, Prep	
160-13585-17	SB-86-0-8.5-20150827	Total/NA	Solid	Increment, Prep	

Prep Batch: 209360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13585-1	SB-85-0-10-20150826	Total/NA	Solid	Fill_Geo-21	208635
160-13585-1 DU	SB-85-0-10-20150826	Total/NA	Solid	Fill_Geo-21	208635
160-13585-2	SB-89-0-12-20150826	Total/NA	Solid	Fill_Geo-21	208635
160-13585-3	SB-92-0-10-20150826	Total/NA	Solid	Fill_Geo-21	208635
160-13585-4	SB-91-0-10-20150826	Total/NA	Solid	Fill_Geo-21	208635
160-13585-5	DUP-2	Total/NA	Solid	Fill_Geo-21	208635
160-13585-6	SB-97-0-10-20150826	Total/NA	Solid	Fill_Geo-21	208635
160-13585-7	SB-93-0-10-20150826	Total/NA	Solid	Fill_Geo-21	208635
160-13585-8	SB-90-0-10-20150826	Total/NA	Solid	Fill_Geo-21	208635
160-13585-9	SB-98-0-10-20150826	Total/NA	Solid	Fill_Geo-21	208635
160-13585-10	SB-84-0-10-20150825	Total/NA	Solid	Fill_Geo-21	208635
160-13585-11	SB-88-0-8-20150825	Total/NA	Solid	Fill_Geo-21	208635
160-13585-12	SB-83-0-12-20150825	Total/NA	Solid	Fill_Geo-21	208635
160-13585-14	SB-95-0-10-20150827	Total/NA	Solid	Fill_Geo-21	208635
160-13585-15	SB-94-0-10-20150827	Total/NA	Solid	Fill_Geo-21	208635
160-13585-16	SB-96-0-10-20150827	Total/NA	Solid	Fill_Geo-21	208635
160-13585-17	SB-86-0-8.5-20150827	Total/NA	Solid	Fill_Geo-21	208635
LCS 160-209360/2-A	Lab Control Sample	Total/NA	Solid	Fill_Geo-21	
MB 160-209360/1-A	Method Blank	Total/NA	Solid	Fill_Geo-21	

Prep Batch: 210063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13585-1	SB-85-0-10-20150826	Total/NA	Solid	Thin_Layer	208635
160-13585-1 DU	SB-85-0-10-20150826	Total/NA	Solid	Thin_Layer	208635
160-13585-2	SB-89-0-12-20150826	Total/NA	Solid	Thin_Layer	208635
160-13585-3	SB-92-0-10-20150826	Total/NA	Solid	Thin_Layer	208635
160-13585-4	SB-91-0-10-20150826	Total/NA	Solid	Thin_Layer	208635
160-13585-5	DUP-2	Total/NA	Solid	Thin_Layer	208635
160-13585-6	SB-97-0-10-20150826	Total/NA	Solid	Thin_Layer	208635
160-13585-7	SB-93-0-10-20150826	Total/NA	Solid	Thin_Layer	208635
160-13585-8	SB-90-0-10-20150826	Total/NA	Solid	Thin_Layer	208635
160-13585-9	SB-98-0-10-20150826	Total/NA	Solid	Thin_Layer	208635
160-13585-10	SB-84-0-10-20150825	Total/NA	Solid	Thin_Layer	208635
160-13585-11	SB-88-0-8-20150825	Total/NA	Solid	Thin_Layer	208635
160-13585-11 DU	SB-88-0-8-20150825	Total/NA	Solid	Thin_Layer	208635
160-13585-12	SB-83-0-12-20150825	Total/NA	Solid	Thin_Layer	208635

Rad (Continued)

Prep Batch: 210063 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13585-14	SB-95-0-10-20150827	Total/NA	Solid	Thin_Layer	208635
160-13585-15	SB-94-0-10-20150827	Total/NA	Solid	Thin_Layer	208635
160-13585-16	SB-96-0-10-20150827	Total/NA	Solid	Thin_Layer	208635
160-13585-17	SB-86-0-8.5-20150827	Total/NA	Solid	Thin_Layer	208635
LCS 160-210063/2-A	Lab Control Sample	Total/NA	Solid	Thin_Layer	
MB 160-210063/1-A	Method Blank	Total/NA	Solid	Thin_Layer	

Prep Batch: 210834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-13585-1	SB-85-0-10-20150826	Total/NA	Solid	ExtChrom	208635
160-13585-1 MS	SB-85-0-10-20150826	Total/NA	Solid	ExtChrom	208635
160-13585-1 MSD	SB-85-0-10-20150826	Total/NA	Solid	ExtChrom	208635
160-13585-2	SB-89-0-12-20150826	Total/NA	Solid	ExtChrom	208635
160-13585-3	SB-92-0-10-20150826	Total/NA	Solid	ExtChrom	208635
160-13585-4	SB-91-0-10-20150826	Total/NA	Solid	ExtChrom	208635
160-13585-5	DUP-2	Total/NA	Solid	ExtChrom	208635
160-13585-6	SB-97-0-10-20150826	Total/NA	Solid	ExtChrom	208635
160-13585-7	SB-93-0-10-20150826	Total/NA	Solid	ExtChrom	208635
160-13585-8	SB-90-0-10-20150826	Total/NA	Solid	ExtChrom	208635
160-13585-9	SB-98-0-10-20150826	Total/NA	Solid	ExtChrom	208635
160-13585-10	SB-84-0-10-20150825	Total/NA	Solid	ExtChrom	208635
160-13585-11	SB-88-0-8-20150825	Total/NA	Solid	ExtChrom	208635
160-13585-11 MS	SB-88-0-8-20150825	Total/NA	Solid	ExtChrom	208635
160-13585-11 MSD	SB-88-0-8-20150825	Total/NA	Solid	ExtChrom	208635
160-13585-12	SB-83-0-12-20150825	Total/NA	Solid	ExtChrom	208635
160-13585-14	SB-95-0-10-20150827	Total/NA	Solid	ExtChrom	208635
160-13585-15	SB-94-0-10-20150827	Total/NA	Solid	ExtChrom	208635
160-13585-16	SB-96-0-10-20150827	Total/NA	Solid	ExtChrom	208635
160-13585-17	SB-86-0-8.5-20150827	Total/NA	Solid	ExtChrom	208635
LCS 160-210834/2-A	Lab Control Sample	Total/NA	Solid	ExtChrom	
MB 160-210834/1-A	Method Blank	Total/NA	Solid	ExtChrom	

Tracer/Carrier Summary

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Matrix: Solid

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	U-232 (30-110)						
160-13585-1	SB-85-0-10-20150826	95.8						
160-13585-1 MS	SB-85-0-10-20150826	86.6						
160-13585-1 MSD	SB-85-0-10-20150826	92.9						
160-13585-2	SB-89-0-12-20150826	86.9						
160-13585-3	SB-92-0-10-20150826	84.1						
160-13585-4	SB-91-0-10-20150826	77.3						
160-13585-5	DUP-2	94.3						
160-13585-6	SB-97-0-10-20150826	94.8						
160-13585-7	SB-93-0-10-20150826	95.2						
160-13585-8	SB-90-0-10-20150826	98.0						
160-13585-9	SB-98-0-10-20150826	96.9						
160-13585-10	SB-84-0-10-20150825	95.3						
160-13585-11	SB-88-0-8-20150825	90.2						
160-13585-11 MS	SB-88-0-8-20150825	88.5						
160-13585-11 MSD	SB-88-0-8-20150825	85.4						
160-13585-12	SB-83-0-12-20150825	93.6						
160-13585-14	SB-95-0-10-20150827	98.8						
160-13585-15	SB-94-0-10-20150827	91.3						
160-13585-16	SB-96-0-10-20150827	99.1						
160-13585-17	SB-86-0-8.5-20150827	92.6						
LCS 160-210834/2-A	Lab Control Sample	93.5						
MB 160-210834/1-A	Method Blank	99.1						

Tracer/Carrier Legend

U-232 = Uranium-232

CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25187
Received:	10/15/2015
Reported:	10/21/2015
Date/Time Sampled:	10/14/2015 10:15
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: 91667 - Project Number

Sample ID: TP - 02 - 101415

Lab Sample # M15-25187-01

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/20/2015 09:25

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25187
Received: 10/15/2015
Reported: 10/21/2015
Date/Time Sampled: 10/14/2015 10:20
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1

Project Name: 91667 - Project Number

Sample ID: TP - 02 - F - 101415

Lab Sample # M15-25187-02

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/20/2015 09:25

Analysis Certified By: Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25187
Received:	10/15/2015
Reported:	10/21/2015
Date/Time Sampled:	10/14/2015 13:00
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: 91667 - Project Number

Sample ID: TP - 03 - 101415

Lab Sample # M15-25187-03

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/20/2015 09:25

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25187
Received:	10/15/2015
Reported:	10/21/2015
Date/Time Sampled:	10/14/2015 13:12
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: 91667 - Project Number

Sample ID: TP - 03 - F - 101415

Lab Sample # M15-25187-04

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.010	mg/L	0.003		ASTM-D7237-10	DLQ		10/20/2015 09:25

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

PA State Lab ID: 68-00370 NY State Lab ID: 11071

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25187
Received:	10/15/2015
Reported:	10/21/2015
Date/Time Sampled:	10/14/2015 15:05
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: 91667 - Project Number

Sample ID: TP - 04 - 101415

Lab Sample # M15-25187-05

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/20/2015 09:25

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25187
Received:	10/15/2015
Reported:	10/21/2015
Date/Time Sampled:	10/14/2015 15:15
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: 91667 - Project Number

Sample ID: TP - 04 - F - 101415

Lab Sample # M15-25187-06

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/20/2015 09:25

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25187
Received:	10/15/2015
Reported:	10/21/2015
Date/Time Sampled:	10/14/2015 15:56
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: 91667 - Project Number

Sample ID: FB - 101415

Lab Sample # M15-25187-07

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/20/2015 09:25

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25283
Received:	10/16/2015
Reported:	10/23/2015
Date Sampled:	10/15/2015
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: Buffalo Lakeside Commerce Park Panel 4, Buffalo, NY

Sample ID: TP-05-101515

Lab Sample # M15-25283-01

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25283
Received:	10/16/2015
Reported:	10/23/2015
Date Sampled:	10/15/2015
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: Buffalo Lakeside Commerce Park Panel 4, Buffalo, NY

Sample ID: TP-05-F-101515

Lab Sample # M15-25283-02

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.004	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25283
Received: 10/16/2015
Reported: 10/23/2015
Date Sampled: 10/15/2015
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1
Collection Method: Grab

Project Name: Buffalo Lakeside Commerce Park Panel 4, Buffalo, NY

Sample ID: TP-DUP-01-101515
Lab Sample # M15-25283-03

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.006	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25283
Received: 10/16/2015
Reported: 10/23/2015
Date Sampled: 10/15/2015
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1
Collection Method: Grab

Project Name: Buffalo Lakeside Commerce Park Panel 4, Buffalo, NY

Sample ID: TP-06-101515
Lab Sample # M15-25283-04

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.072	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25283
Received:	10/16/2015
Reported:	10/23/2015
Date Sampled:	10/15/2015
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: Buffalo Lakeside Commerce Park Panel 4, Buffalo, NY

Sample ID: TP-06-F-101515

Lab Sample # M15-25283-05

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.021	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25283
Received: 10/16/2015
Reported: 10/23/2015
Date Sampled: 10/15/2015
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1
Collection Method: Grab

Project Name: Buffalo Lakeside Commerce Park Panel 4, Buffalo, NY

Sample ID: TP-14-101515
Lab Sample # M15-25283-06

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25283
Received:	10/16/2015
Reported:	10/23/2015
Date Sampled:	10/15/2015
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: Buffalo Lakeside Commerce Park Panel 4, Buffalo, NY

Sample ID: TP-14-F-101515

Lab Sample # M15-25283-07

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25283
Received:	10/16/2015
Reported:	10/23/2015
Date Sampled:	10/15/2015
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1
Collection Method:	Grab

Project Name: Buffalo Lakeside Commerce Park Panel 4, Buffalo, NY

Sample ID: TP-MS-01-101515

Lab Sample # M15-25283-08

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25283
Received: 10/16/2015
Reported: 10/23/2015
Date Sampled: 10/15/2015
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1
Collection Method: Grab

Project Name: Buffalo Lakeside Commerce Park Panel 4, Buffalo, NY

Sample ID: TP-MSD-01-101515
Lab Sample # M15-25283-09

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25283
Received:	10/16/2015
Reported:	10/23/2015
Date Sampled:	10/15/2015
Sampled By:	Lia Estrada
Sampled Matrix:	Water
Containers:	1
Collection Method:	Grab

Project Name: Buffalo Lakeside Commerce Park Panel 4, Buffalo, NY

Sample ID: Field Blank

Lab Sample # M15-25283-10

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25362
Received:	10/20/2015
Reported:	10/28/2015
Date/Time Sampled:	10/19/2015 13:25
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: Buffalo Lakeside Commerce Park, NY

Sample ID: TP-11-101915

Lab Sample # M15-25362-01

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25362
Received:	10/20/2015
Reported:	10/28/2015
Date/Time Sampled:	10/19/2015 13:35
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: Buffalo Lakeside Commerce Park, NY

Sample ID: TP-11-F-101915

Lab Sample # M15-25362-02

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25362
Received:	10/20/2015
Reported:	10/28/2015
Date/Time Sampled:	10/19/2015 13:35
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: Buffalo Lakeside Commerce Park, NY

Sample ID: TP-DUP-02-101915

Lab Sample # M15-25362-03

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25362
Received:	10/20/2015
Reported:	10/28/2015
Date/Time Sampled:	10/19/2015 12:55
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: Buffalo Lakeside Commerce Park, NY

Sample ID: TP-13-101915

Lab Sample # M15-25362-04

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25362
Received: 10/20/2015
Reported: 10/28/2015
Date/Time Sampled: 10/19/2015 13:05
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1

Project Name: Buffalo Lakeside Commerce Park, NY

Sample ID: TP-13-F-101915
Lab Sample # M15-25362-05

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/22/2015 09:17

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25362
Received:	10/20/2015
Reported:	10/28/2015
Date/Time Sampled:	10/19/2015 15:45
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: Buffalo Lakeside Commerce Park, NY

Sample ID: TP-15-101915

Lab Sample # M15-25362-06

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/23/2015 10:27

The matrix spike duplicate recovery is biased above method criteria.

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY
State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25362
Received: 10/20/2015
Reported: 10/28/2015
Date/Time Sampled: 10/19/2015 15:50
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1

Project Name: Buffalo Lakeside Commerce Park, NY

Sample ID: TP-15-F-101915
Lab Sample # M15-25362-07

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/23/2015 10:27

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY
State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25362
Received:	10/20/2015
Reported:	10/28/2015
Date/Time Sampled:	10/19/2015 16:00
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: Buffalo Lakeside Commerce Park, NY

Sample ID: FB-101915

Lab Sample # M15-25362-08

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/23/2015 10:27

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

PA State Lab ID: 68-00370 NY State Lab ID: 11071

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25435
Received:	10/21/2015
Reported:	10/28/2015
Date/Time Sampled:	10/20/2015 08:40
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: BLCP

Sample ID: MW-405-102015

Lab Sample # M15-25435-01

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/26/2015 11:40

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25435
Received: 10/21/2015
Reported: 10/28/2015
Date/Time Sampled: 10/20/2015 08:45
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1

Project Name: BLCP

Sample ID: MW-405-F-102015
Lab Sample # M15-25435-02

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.005	mg/L	0.003		ASTM-D7237-10	DLQ		10/26/2015 11:40

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25435
Received:	10/21/2015
Reported:	10/28/2015
Date/Time Sampled:	10/20/2015 11:25
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: BLCP

Sample ID: MW-404-102015

Lab Sample # M15-25435-03

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.006	mg/L	0.003		ASTM-D7237-10	DLQ		10/23/2015 10:27

Analysis Certified By: Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25435
Received:	10/21/2015
Reported:	10/28/2015
Date/Time Sampled:	10/20/2015 11:30
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: BLCP

Sample ID: MW-404-F-102015

Lab Sample # M15-25435-04

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/23/2015 10:27

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25435
Received:	10/21/2015
Reported:	10/28/2015
Date/Time Sampled:	10/20/2015 14:40
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: BLCP

Sample ID: TP-08-102015

Lab Sample # M15-25435-05

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.030	mg/L	0.003		ASTM-D7237-10	DLQ		10/26/2015 11:40

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25435
Received:	10/21/2015
Reported:	10/28/2015
Date/Time Sampled:	10/20/2015 14:50
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: BLCP

Sample ID: TP-08-F-102015

Lab Sample # M15-25435-06

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.023	mg/L	0.003		ASTM-D7237-10	DLQ		10/26/2015 11:40

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

PA State Lab ID: 68-00370 NY State Lab ID: 11071

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25435
Received:	10/21/2015
Reported:	10/28/2015
Date/Time Sampled:	10/20/2015 15:00
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: BLCP

Sample ID: TP-MS-02-102015

Lab Sample # M15-25435-07

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.018	mg/L	0.003		ASTM-D7237-10	DLQ		10/26/2015 11:40

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion

PA State Lab ID: 68-00370 NY State Lab ID: 11071

Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25435
Received:	10/21/2015
Reported:	10/28/2015
Date/Time Sampled:	10/20/2015 15:00
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: BLCP

Sample ID: TP-MSD-02-102015

Lab Sample # M15-25435-08

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.017	mg/L	0.003		ASTM-D7237-10	DLQ		10/26/2015 11:40

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25435
Received:	10/21/2015
Reported:	10/28/2015
Date/Time Sampled:	10/20/2015 09:20
Sampled By:	Lia Estrada
Sampled Matrix:	Groundwater
Containers:	1

Project Name: BLCP

Sample ID: TP-10-102015

Lab Sample # M15-25435-09

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.008	mg/L	0.003		ASTM-D7237-10	DLQ		10/26/2015 11:40

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25435
Received: 10/21/2015
Reported: 10/28/2015
Date/Time Sampled: 10/20/2015 09:30
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1

Project Name: BLCP

Sample ID: TP-10-F-102015
Lab Sample # M15-25435-10

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.006	mg/L	0.003		ASTM-D7237-10	DLQ		10/23/2015 10:27

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25435
Received: 10/21/2015
Reported: 10/28/2015
Date/Time Sampled: 10/20/2015 13:46
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1

Project Name: BLCP

Sample ID: TP-09-102015
Lab Sample # M15-25435-11

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/23/2015 10:27

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25435
Received: 10/21/2015
Reported: 10/28/2015
Date/Time Sampled: 10/20/2015 13:53
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1

Project Name: BLCP

Sample ID: TP-09-F-102015
Lab Sample # M15-25435-12

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/23/2015 10:27

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS
Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25435
Received: 10/21/2015
Reported: 10/28/2015
Date/Time Sampled: 10/20/2015 16:00
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1

Project Name: BLCP

Sample ID: FB-102015

Lab Sample # M15-25435-13

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/23/2015 10:27

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25599
Received: 10/23/2015
Reported: 10/28/2015
Date/Time Sampled: 10/22/2015 13:00
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1

Project Name: Buffalo Lakeside Commerce Park, NY

Sample ID: MW-UNK-1022215
Lab Sample # M15-25599-01

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.085	mg/L	0.003		ASTM-D7237-10	DLQ		10/26/2015 11:40

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY
State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project # M15-25599
Received: 10/23/2015
Reported: 10/28/2015
Date/Time Sampled: 10/22/2015 13:05
Sampled By: Lia Estrada
Sampled Matrix: Groundwater
Containers: 1

Project Name: Buffalo Lakeside Commerce Park, NY

Sample ID: MW-UNK-F-102215
Lab Sample # M15-25599-02

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	0.078	mg/L	0.003		ASTM-D7237-10	DLQ		10/26/2015 11:40

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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CERTIFICATE OF ANALYSIS

Reported by Alloway - Marion
PA State Lab ID: 68-00370 NY
State Lab ID: 11071
Chain of Custody attached

CDM Smith
Attn: Amy Picunas
11 British American Boulevard Suite 200
Latham, NY 12110

Lab Project #	M15-25599
Received:	10/23/2015
Reported:	10/28/2015
Date/Time Sampled:	10/22/2015 15:00
Sampled By:	Lia Estrada
Sampled Matrix:	Water
Containers:	1

Project Name: Buffalo Lakeside Commerce Park, NY

Sample ID: FB-102215

Lab Sample # M15-25599-03

Analyte	Results	Units	PQL	Preparation Method	Analytical Method	Analyst	Extraction Date	Analysis Date/Time
Cyanide, Free (pH 6)	<0.003	mg/L	0.003		ASTM-D7237-10	DLQ		10/26/2015 11:40

Analysis Certified By: Rhonda C. Morris

Rhonda C Morris

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-88934-1
Client Project/Site: Buffalo Lakeside #915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek



Authorized for release by:
10/26/2015 1:50:39 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
10/26/2015 1:50:39 PM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds control limits
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-88934-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-88934-1

Receipt
The samples were received on 10/12/2015 7:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS Semi VOA
Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: S8-74-0-4-101215 (480-88934-1), S8-74-4-8-101215 (480-88934-2), SB-75-4-8-101215 (480-88934-8), SB-75-12-16-10125 (480-88934-10), (480-88934-B-1-A MS) and (480-88934-B-1-B MSD). These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-268989 was outside the method criteria for the following analyte: Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method(s) 8270D: The laboratory control sample (LCS) for batch preparation batch 480-268660 and analytical batch 480-268989 recovered outside control limits for the following analyte: Benzaldehyde. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-268989 recovered above the upper control limit for Benzaldehyde. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: S8-74-0-4-101215 (480-88934-1), S8-74-4-8-101215 (480-88934-2), S8-74-8-12-101215 (480-88934-3), SB-DUP-1-101215 (480-88934-4), SB-74-12-16-101215 (480-88934-5), SB-74-16-20-101215 (480-88934-6), SB-75-0-4-101215 (480-88934-7), SB-75-4-8-101215 (480-88934-8), SB-75-8-12-101215 (480-88934-9), SB-75-12-16-10125 (480-88934-10), SB-75-16-20-101215 (480-88934-11), (480-88934-B-1-A MS) and (480-88934-B-1-B MSD).

Method(s) 8270D: The following samples were diluted due to appearance and viscosity: SB-75-0-4-101215 (480-88934-7) and SB-75-12-16-10125 (480-88934-10). Elevated reporting limits (RL) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The following samples were diluted due to the presence of Calcium which interferes with Total Copper: S8-74-0-4-101215 (480-88934-1), S8-74-4-8-101215 (480-88934-2), SB-75-4-8-101215 (480-88934-8) and SB-75-8-12-101215 (480-88934-9). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The following samples were diluted for Total Silver due to the nature of the sample matrix: S8-74-0-4-101215 (480-88934-1) and S8-74-4-8-101215 (480-88934-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method(s) 9012B: The laboratory control sample (LCS) for batch preparation batch 480-269890 and analytical batch 480-269953 recovered outside control limits for the following analytes: Cyanide, Total. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. SB-75-12-16-10125 (480-88934-10), SB-75-16-20-101215 (480-88934-11) and (480-88934-B-10-B DU)

Method(s) 9012B: The laboratory control sample (LCS) for batch preparation batch 480-269642 and analytical batch 480-270178 recovered inside control limits provided by the manufacturer for the following analytes: Cyanide, Total. Therefore the data has been reported.

Job ID: 480-88934-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample ID: S8-74-0-4-101215
Date Collected: 10/12/15 09:10
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-1
Matrix: Solid
Percent Solids: 81.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	F1	200	54	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
2,4,6-Trichlorophenol	ND	F1	200	40	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
2,4-Dichlorophenol	ND		200	21	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
2,4-Dimethylphenol	ND		200	49	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
2,4-Dinitrophenol	ND	F1	2000	930	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
2,4-Dinitrotoluene	ND		200	41	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
2-Chloronaphthalene	ND		200	33	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
2-Chlorophenol	ND		200	37	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
2-Methylnaphthalene	ND		200	40	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
2-Methylphenol	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
2-Nitroaniline	ND		390	30	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
2-Nitrophenol	ND		200	57	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
3,3'-Dichlorobenzidine	ND		390	240	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
3-Nitroaniline	ND		390	56	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
4,6-Dinitro-2-methylphenol	ND	F1 F2	390	200	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
4-Bromophenyl phenyl ether	ND		200	28	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
4-Chloro-3-methylphenol	ND		200	50	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
4-Chloroaniline	ND		200	50	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
4-Methylphenol	ND		390	24	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
4-Nitroaniline	ND		390	110	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
4-Nitrophenol	ND	F1	390	140	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Acenaphthene	ND		200	30	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Acenaphthylene	ND		200	26	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Acetophenone	ND		200	27	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Anthracene	ND		200	50	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Atrazine	ND		200	70	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Benzaldehyde	ND	* F1	200	160	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Benzo(a)anthracene	ND		200	20	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Benzo(a)pyrene	ND		200	30	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Benzo(b)fluoranthene	ND		200	32	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Benzo(g,h,i)perylene	ND		200	21	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Benzo(k)fluoranthene	ND		200	26	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Biphenyl	ND		200	30	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Bis(2-chloroethoxy)methane	ND		200	43	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Bis(2-ethylhexyl) phthalate	**74**	**J F2**	200	69	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Butyl benzyl phthalate	ND		200	33	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Caprolactam	ND		200	60	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Carbazole	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Chrysene	ND		200	45	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Dibenz(a,h)anthracene	ND		200	36	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Dibenzofuran	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Dimethyl phthalate	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Di-n-butyl phthalate	ND		200	34	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1

Client Sample ID: S8-74-0-4-101215
Date Collected: 10/12/15 09:10
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-1
Matrix: Solid
Percent Solids: 81.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		200	21	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Fluorene	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Hexachlorobenzene	ND		200	27	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Hexachlorocyclopentadiene	ND		200	27	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Hexachloroethane	ND		200	26	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Indeno(1,2,3-cd)pyrene	ND		200	25	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Isophorone	ND		200	43	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Naphthalene	ND		200	26	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Nitrobenzene	ND		200	22	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
N-Nitrosodi-n-propylamine	ND		200	34	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
N-Nitrosodiphenylamine	ND		200	160	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Pentachlorophenol	ND	F1	390	200	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Phenanthrene	ND		200	30	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Phenol	ND		200	31	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1
Pyrene	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 15:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*1.60*		*10/14/15 08:19*	*10/15/15 15:08*	*1*
Unknown	*330*	*T J*	*ug/Kg*	☼	*1.66*		*10/14/15 08:19*	*10/15/15 15:08*	*1*
Ethane, 1,1,2-trichloro-	*280*	*T J N*	*ug/Kg*	☼	*3.04*	*79-00-5*	*10/14/15 08:19*	*10/15/15 15:08*	*1*
Unknown	*580*	*T J*	*ug/Kg*	☼	*4.04*		*10/14/15 08:19*	*10/15/15 15:08*	*1*
Ethane, 1,1,2,2-tetrachloro-	*700*	*T J N*	*ug/Kg*	☼	*5.14*	*79-34-5*	*10/14/15 08:19*	*10/15/15 15:08*	*1*
9-Octadecenamide, (Z)-	*1200*	*T J N*	*ug/Kg*	☼	*13.25*	*301-02-0*	*10/14/15 08:19*	*10/15/15 15:08*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*13.42*		*10/14/15 08:19*	*10/15/15 15:08*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*15.36*		*10/14/15 08:19*	*10/15/15 15:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*24*	*X*	*39 - 146*	*10/14/15 08:19*	*10/15/15 15:08*	*1*
2-Fluorobiphenyl	*77*		*37 - 120*	*10/14/15 08:19*	*10/15/15 15:08*	*1*
2-Fluorophenol	*64*		*18 - 120*	*10/14/15 08:19*	*10/15/15 15:08*	*1*
Nitrobenzene-d5	*70*		*34 - 132*	*10/14/15 08:19*	*10/15/15 15:08*	*1*
Phenol-d5	*78*		*11 - 120*	*10/14/15 08:19*	*10/15/15 15:08*	*1*
p-Terphenyl-d14	*89*		*65 - 153*	*10/14/15 08:19*	*10/15/15 15:08*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**42600**	**B**	12.0	5.3	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Antimony	ND		18.1	0.48	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Arsenic	**3.8**		2.4	0.48	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Barium	**332**		0.60	0.13	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Beryllium	**7.1**		0.24	0.034	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Cadmium	**0.13**	**J**	0.24	0.036	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Calcium	**289000**	**B**	301	19.9	mg/Kg	☼	10/13/15 14:55	10/14/15 21:40	5
Chromium	**4.2**	**B**	0.60	0.24	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Cobalt	**0.73**		0.60	0.060	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Copper	**3.4**	**J**	6.0	1.3	mg/Kg	☼	10/13/15 14:55	10/14/15 21:40	5
Iron	**6020**		12.0	4.2	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Lead	**10.5**		1.2	0.29	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Magnesium	**8260**		24.1	1.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: S8-74-0-4-101215
Date Collected: 10/12/15 09:10
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-1
Matrix: Solid
Percent Solids: 81.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	2230	B	0.24	0.039	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Nickel	2.0	J B	6.0	0.28	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Potassium	1330		36.1	24.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Selenium	5.2		4.8	0.48	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Silver	ND		3.6	1.2	mg/Kg	☼	10/13/15 14:55	10/14/15 21:40	5
Sodium	446		169	15.7	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Thallium	ND		7.2	0.36	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Vanadium	11.3		0.60	0.13	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1
Zinc	36.9	B	2.4	0.77	mg/Kg	☼	10/13/15 14:55	10/14/15 12:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.8	F1 *	1.1	0.55	mg/Kg	☼	10/19/15 13:52	10/21/15 10:05	1
Cyanide, Free	ND		2.6	0.44	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client Sample ID: S8-74-4-8-101215
Date Collected: 10/12/15 09:32
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-2
Matrix: Solid
Percent Solids: 87.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		190	52	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
2,4,6-Trichlorophenol	ND		190	39	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
2,4-Dichlorophenol	ND		190	20	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
2,4-Dimethylphenol	ND		190	46	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
2,4-Dinitrophenol	ND		1900	890	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
2,4-Dinitrotoluene	ND		190	40	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
2,6-Dinitrotoluene	ND		190	23	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
2-Chloronaphthalene	ND		190	32	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
2-Chlorophenol	ND		190	35	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
2-Methylnaphthalene	ND		190	39	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
2-Methylphenol	ND		190	23	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
2-Nitroaniline	ND		370	28	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
2-Nitrophenol	ND		190	54	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
3,3'-Dichlorobenzidine	ND		370	230	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
3-Nitroaniline	ND		370	53	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
4,6-Dinitro-2-methylphenol	ND		370	190	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
4-Bromophenyl phenyl ether	ND		190	27	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
4-Chloro-3-methylphenol	ND		190	48	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
4-Chloroaniline	ND		190	48	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
4-Chlorophenyl phenyl ether	ND		190	24	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
4-Methylphenol	ND		370	23	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
4-Nitroaniline	ND		370	100	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
4-Nitrophenol	ND		370	130	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Acenaphthene	ND		190	28	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Acenaphthylene	ND		190	25	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Acetophenone	ND		190	26	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Anthracene	ND		190	48	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Atrazine	ND		190	67	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Benzaldehyde	ND	*	190	150	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Benzo(a)anthracene	ND		190	19	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Benzo(a)pyrene	ND		190	28	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Benzo(b)fluoranthene	ND		190	31	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Benzo(g,h,i)perylene	ND		190	20	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Benzo(k)fluoranthene	ND		190	25	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Biphenyl	ND		190	28	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
bis (2-chloroisopropyl) ether	ND		190	39	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Bis(2-chloroethoxy)methane	ND		190	41	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Bis(2-chloroethyl)ether	ND		190	25	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Bis(2-ethylhexyl) phthalate	ND		190	66	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Butyl benzyl phthalate	ND		190	32	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Caprolactam	ND		190	58	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Carbazole	ND		190	23	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Chrysene	ND		190	43	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Dibenz(a,h)anthracene	ND		190	34	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Dibenzofuran	ND		190	23	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Diethyl phthalate	ND		190	25	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Dimethyl phthalate	ND		190	23	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Di-n-butyl phthalate	ND		190	33	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Di-n-octyl phthalate	ND		190	23	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1

Client Sample ID: S8-74-4-8-101215
Date Collected: 10/12/15 09:32
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-2
Matrix: Solid
Percent Solids: 87.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		190	20	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Fluorene	ND		190	23	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Hexachlorobenzene	ND		190	26	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Hexachlorocyclopentadiene	ND		190	26	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Hexachloroethane	ND		190	25	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Indeno(1,2,3-cd)pyrene	ND		190	24	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Isophorone	ND		190	41	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Naphthalene	ND		190	25	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Nitrobenzene	ND		190	22	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
N-Nitrosodi-n-propylamine	ND		190	33	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
N-Nitrosodiphenylamine	ND		190	160	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Pentachlorophenol	ND		370	190	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Phenanthrene	ND		190	28	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Phenol	ND		190	29	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1
Pyrene	ND		190	23	ug/Kg	☼	10/14/15 08:19	10/15/15 15:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*1.62*		*10/14/15 08:19*	*10/15/15 15:35*	*1*
Ethane, 1,1,2-trichloro-	*300*	*T J N*	*ug/Kg*	☼	*3.07*	*79-00-5*	*10/14/15 08:19*	*10/15/15 15:35*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*4.06*		*10/14/15 08:19*	*10/15/15 15:35*	*1*
Ethane, 1,1,2,2-tetrachloro-	*630*	*T J N*	*ug/Kg*	☼	*5.15*	*79-34-5*	*10/14/15 08:19*	*10/15/15 15:35*	*1*
9-Octadecenamide, (Z)-	*320*	*T J N*	*ug/Kg*	☼	*13.25*	*301-02-0*	*10/14/15 08:19*	*10/15/15 15:35*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*13.88*		*10/14/15 08:19*	*10/15/15 15:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*18*	*X*	*39 - 146*	*10/14/15 08:19*	*10/15/15 15:35*	*1*
2-Fluorobiphenyl	*81*		*37 - 120*	*10/14/15 08:19*	*10/15/15 15:35*	*1*
2-Fluorophenol	*56*		*18 - 120*	*10/14/15 08:19*	*10/15/15 15:35*	*1*
Nitrobenzene-d5	*88*		*34 - 132*	*10/14/15 08:19*	*10/15/15 15:35*	*1*
Phenol-d5	*77*		*11 - 120*	*10/14/15 08:19*	*10/15/15 15:35*	*1*
p-Terphenyl-d14	*103*		*65 - 153*	*10/14/15 08:19*	*10/15/15 15:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**40000**	**B**	11.0	4.8	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Antimony	ND		16.5	0.44	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Arsenic	**11.6**		2.2	0.44	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Barium	**280**		0.55	0.12	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Beryllium	**6.8**		0.22	0.031	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Cadmium	ND		0.22	0.033	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Calcium	**281000**	**B**	275	18.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:19	5
Chromium	**5.9**	**B**	0.55	0.22	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Cobalt	**3.0**		0.55	0.055	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Copper	**7.2**		5.5	1.2	mg/Kg	☼	10/13/15 14:55	10/14/15 12:19	5
Iron	**48500**		11.0	3.8	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Lead	**0.87**	**J**	1.1	0.26	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Magnesium	**5400**		22.0	1.0	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Manganese	**2360**	**B**	0.22	0.035	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Nickel	**9.6**	**B**	5.5	0.25	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: S8-74-4-8-101215
Date Collected: 10/12/15 09:32
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-2
Matrix: Solid
Percent Solids: 87.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1240		33.0	22.0	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Selenium	5.5		4.4	0.44	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Silver	ND		3.3	1.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:19	5
Sodium	513		154	14.3	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Thallium	ND		6.6	0.33	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Vanadium	19.0		0.55	0.12	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1
Zinc	2.5	B	2.2	0.70	mg/Kg	☼	10/13/15 14:55	10/14/15 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	4.1	*	1.1	0.54	mg/Kg	☼	10/19/15 13:52	10/21/15 10:08	1
Cyanide, Free	1.1	J	2.3	0.38	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client Sample ID: S8-74-8-12-101215
Date Collected: 10/12/15 10:06
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-3
Matrix: Solid
Percent Solids: 59.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		290	78	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
2,4,6-Trichlorophenol	ND		290	57	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
2,4-Dichlorophenol	ND		290	30	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
2,4-Dimethylphenol	ND		290	69	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
2,4-Dinitrophenol	ND		2800	1300	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
2,4-Dinitrotoluene	ND		290	59	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
2,6-Dinitrotoluene	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
2-Chloronaphthalene	ND		290	47	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
2-Chlorophenol	ND		290	52	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
2-Methylnaphthalene	ND		290	57	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
2-Methylphenol	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
2-Nitroaniline	ND		560	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
2-Nitrophenol	ND		290	81	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
3,3'-Dichlorobenzidine	ND		560	340	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
3-Nitroaniline	ND		560	79	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
4,6-Dinitro-2-methylphenol	ND		560	290	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
4-Bromophenyl phenyl ether	ND		290	41	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
4-Chloro-3-methylphenol	ND		290	71	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
4-Chloroaniline	ND		290	71	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
4-Chlorophenyl phenyl ether	ND		290	36	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
4-Methylphenol	ND		560	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
4-Nitroaniline	ND		560	150	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
4-Nitrophenol	ND		560	200	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Acenaphthene	ND		290	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Acenaphthylene	ND		290	37	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Acetophenone	ND		290	39	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Anthracene	ND		290	71	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Atrazine	ND		290	100	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Benzaldehyde	ND	*	290	230	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Benzo(a)anthracene	ND		290	29	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Benzo(a)pyrene	ND		290	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Benzo(b)fluoranthene	ND		290	46	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Benzo(g,h,i)perylene	ND		290	30	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Benzo(k)fluoranthene	ND		290	37	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Biphenyl	ND		290	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
bis (2-chloroisopropyl) ether	ND		290	57	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Bis(2-chloroethoxy)methane	ND		290	61	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Bis(2-chloroethyl)ether	ND		290	37	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Bis(2-ethylhexyl) phthalate	ND		290	98	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Butyl benzyl phthalate	ND		290	47	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Caprolactam	ND		290	86	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Carbazole	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Chrysene	ND		290	64	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Dibenz(a,h)anthracene	ND		290	51	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Dibenzofuran	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Diethyl phthalate	ND		290	37	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Dimethyl phthalate	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Di-n-butyl phthalate	ND		290	49	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Di-n-octyl phthalate	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1

Client Sample ID: S8-74-8-12-101215
Date Collected: 10/12/15 10:06
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-3
Matrix: Solid
Percent Solids: 59.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		290	30	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Fluorene	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Hexachlorobenzene	ND		290	39	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Hexachlorobutadiene	ND		290	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Hexachlorocyclopentadiene	ND		290	39	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Hexachloroethane	ND		290	37	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Indeno(1,2,3-cd)pyrene	ND		290	36	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Isophorone	ND		290	61	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Naphthalene	ND		290	37	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Nitrobenzene	ND		290	32	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
N-Nitrosodi-n-propylamine	ND		290	49	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
N-Nitrosodiphenylamine	ND		290	230	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Pentachlorophenol	ND		560	290	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Phenanthrene	ND		290	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Phenol	ND		290	44	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1
Pyrene	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Butane, 2-methoxy-2-methyl-	*1200*	*T J N*	*ug/Kg*	☼	*1.60*	*994-05-8*	*10/14/15 08:19*	*10/15/15 16:01*	*1*
Unknown	*570*	*T J*	*ug/Kg*	☼	*1.66*		*10/14/15 08:19*	*10/15/15 16:01*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*4.05*		*10/14/15 08:19*	*10/15/15 16:01*	*1*
Ethane, 1,1,2,2-tetrachloro-	*380*	*T J N*	*ug/Kg*	☼	*5.14*	*79-34-5*	*10/14/15 08:19*	*10/15/15 16:01*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*13.61*		*10/14/15 08:19*	*10/15/15 16:01*	*1*
Cyclohexane, 1,2-dimethyl-3-pentyl-4-pro	*400*	*T J N*	*ug/Kg*	☼	*14.17*	*62376-17-4*	*10/14/15 08:19*	*10/15/15 16:01*	*1*
Unknown	*290*	*T J*	*ug/Kg*	☼	*16.19*		*10/14/15 08:19*	*10/15/15 16:01*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*16.74*		*10/14/15 08:19*	*10/15/15 16:01*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*16.86*		*10/14/15 08:19*	*10/15/15 16:01*	*1*
Unknown	*390*	*T J*	*ug/Kg*	☼	*17.05*		*10/14/15 08:19*	*10/15/15 16:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*39 - 146*	*10/14/15 08:19*	*10/15/15 16:01*	*1*
2-Fluorobiphenyl	*71*		*37 - 120*	*10/14/15 08:19*	*10/15/15 16:01*	*1*
2-Fluorophenol	*71*		*18 - 120*	*10/14/15 08:19*	*10/15/15 16:01*	*1*
Nitrobenzene-d5	*77*		*34 - 132*	*10/14/15 08:19*	*10/15/15 16:01*	*1*
Phenol-d5	*77*		*11 - 120*	*10/14/15 08:19*	*10/15/15 16:01*	*1*
p-Terphenyl-d14	*85*		*65 - 153*	*10/14/15 08:19*	*10/15/15 16:01*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**29200**	**B**	16.9	7.4	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Antimony	ND		25.3	0.68	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Arsenic	**3.3**	**J**	3.4	0.68	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Barium	**190**		0.84	0.19	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Beryllium	**4.1**		0.34	0.047	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Cadmium	**0.19**	**J**	0.34	0.051	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Calcium	**134000**	**B**	84.5	5.6	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Chromium	**4.9**	**B**	0.84	0.34	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Cobalt	**1.0**		0.84	0.084	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Copper	**8.4**		1.7	0.35	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: S8-74-8-12-101215
Date Collected: 10/12/15 10:06
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-3
Matrix: Solid
Percent Solids: 59.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	6230		16.9	5.9	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Lead	4.5		1.7	0.41	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Magnesium	3710		33.8	1.6	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Manganese	783	B	0.34	0.054	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Nickel	4.5	J B	8.4	0.39	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Potassium	1270		50.7	33.8	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Selenium	3.0	J	6.8	0.68	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Silver	ND		1.0	0.34	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Sodium	385		236	22.0	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Thallium	ND		10.1	0.51	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Vanadium	8.8		0.84	0.19	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1
Zinc	21.0	B	3.4	1.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	*	1.6	0.78	mg/Kg	☼	10/19/15 13:52	10/21/15 10:10	1
Cyanide, Free	0.64	J	3.4	0.57	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client Sample ID: SB-DUP-1-101215
Date Collected: 10/12/15 10:06
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-4
Matrix: Solid
Percent Solids: 59.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		290	77	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
2,4,6-Trichlorophenol	ND		290	57	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
2,4-Dichlorophenol	ND		290	30	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
2,4-Dimethylphenol	ND		290	69	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
2,4-Dinitrophenol	ND		2800	1300	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
2,4-Dinitrotoluene	ND		290	59	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
2,6-Dinitrotoluene	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
2-Chloronaphthalene	ND		290	47	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
2-Chlorophenol	ND		290	52	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
2-Methylnaphthalene	ND		290	57	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
2-Methylphenol	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
2-Nitroaniline	ND		550	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
2-Nitrophenol	ND		290	81	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
3,3'-Dichlorobenzidine	ND		550	340	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
3-Nitroaniline	ND		550	79	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
4,6-Dinitro-2-methylphenol	ND		550	290	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
4-Bromophenyl phenyl ether	ND		290	40	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
4-Chloro-3-methylphenol	ND		290	70	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
4-Chloroaniline	ND		290	70	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
4-Chlorophenyl phenyl ether	ND		290	35	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
4-Methylphenol	ND		550	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
4-Nitroaniline	ND		550	150	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
4-Nitrophenol	ND		550	200	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Acenaphthene	ND		290	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Acenaphthylene	ND		290	37	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Acetophenone	ND		290	39	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Anthracene	ND		290	70	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Atrazine	ND		290	99	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Benzaldehyde	ND	*	290	230	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Benzo(a)anthracene	ND		290	29	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Benzo(a)pyrene	ND		290	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Benzo(b)fluoranthene	ND		290	45	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Benzo(g,h,i)perylene	ND		290	30	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Benzo(k)fluoranthene	ND		290	37	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Biphenyl	ND		290	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
bis (2-chloroisopropyl) ether	ND		290	57	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Bis(2-chloroethoxy)methane	ND		290	60	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Bis(2-chloroethyl)ether	ND		290	37	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Bis(2-ethylhexyl) phthalate	ND		290	97	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Butyl benzyl phthalate	ND		290	47	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Caprolactam	ND		290	86	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Carbazole	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Chrysene	ND		290	64	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Dibenz(a,h)anthracene	ND		290	50	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Dibenzofuran	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Diethyl phthalate	ND		290	37	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Dimethyl phthalate	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Di-n-butyl phthalate	ND		290	49	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Di-n-octyl phthalate	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1

Client Sample ID: SB-DUP-1-101215
Date Collected: 10/12/15 10:06
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-4
Matrix: Solid
Percent Solids: 59.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		290	30	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Fluorene	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Hexachlorobenzene	ND		290	39	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Hexachlorobutadiene	ND		290	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Hexachlorocyclopentadiene	ND		290	39	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Hexachloroethane	ND		290	37	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Indeno(1,2,3-cd)pyrene	ND		290	35	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Isophorone	ND		290	60	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Naphthalene	ND		290	37	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Nitrobenzene	ND		290	32	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
N-Nitrosodi-n-propylamine	ND		290	49	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
N-Nitrosodiphenylamine	ND		290	230	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Pentachlorophenol	ND		550	290	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Phenanthrene	ND		290	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Phenol	ND		290	44	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1
Pyrene	ND		290	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*1.61*		*10/14/15 08:19*	*10/15/15 16:28*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*1.66*		*10/14/15 08:19*	*10/15/15 16:28*	*1*
Ethane, 1,1,2-trichloro-	*660*	*T J N*	*ug/Kg*	☼	*1.77*	*79-00-5*	*10/14/15 08:19*	*10/15/15 16:28*	*1*
Unknown	*960*	*T J*	*ug/Kg*	☼	*4.05*		*10/14/15 08:19*	*10/15/15 16:28*	*1*
Ethane, 1,1,2,2-tetrachloro-	*370*	*T J N*	*ug/Kg*	☼	*5.14*	*79-34-5*	*10/14/15 08:19*	*10/15/15 16:28*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*12.17*		*10/14/15 08:19*	*10/15/15 16:28*	*1*
Heneicosane	*360*	*T J N*	*ug/Kg*	☼	*12.40*	*629-94-7*	*10/14/15 08:19*	*10/15/15 16:28*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*13.61*		*10/14/15 08:19*	*10/15/15 16:28*	*1*
Unknown	*430*	*T J*	*ug/Kg*	☼	*14.16*		*10/14/15 08:19*	*10/15/15 16:28*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*14.49*		*10/14/15 08:19*	*10/15/15 16:28*	*1*
Unknown	*420*	*T J*	*ug/Kg*	☼	*14.57*		*10/14/15 08:19*	*10/15/15 16:28*	*1*
Unknown	*350*	*T J*	*ug/Kg*	☼	*14.72*		*10/14/15 08:19*	*10/15/15 16:28*	*1*
Unknown	*580*	*T J*	*ug/Kg*	☼	*15.62*		*10/14/15 08:19*	*10/15/15 16:28*	*1*
Unknown	*310*	*T J*	*ug/Kg*	☼	*16.74*		*10/14/15 08:19*	*10/15/15 16:28*	*1*
Unknown	*1000*	*T J*	*ug/Kg*	☼	*16.85*		*10/14/15 08:19*	*10/15/15 16:28*	*1*
2H-Cyclopentacyclooctene, 4,5,6,7,8,9-he	*420*	*T J N*	*ug/Kg*	☼	*17.05*	*1000221-85-8*	*10/14/15 08:19*	*10/15/15 16:28*	*1*
Unknown	*570*	*T J*	*ug/Kg*	☼	*18.47*		*10/14/15 08:19*	*10/15/15 16:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*39 - 146*	*10/14/15 08:19*	*10/15/15 16:28*	*1*
2-Fluorobiphenyl	*72*		*37 - 120*	*10/14/15 08:19*	*10/15/15 16:28*	*1*
2-Fluorophenol	*73*		*18 - 120*	*10/14/15 08:19*	*10/15/15 16:28*	*1*
Nitrobenzene-d5	*85*		*34 - 132*	*10/14/15 08:19*	*10/15/15 16:28*	*1*
Phenol-d5	*87*		*11 - 120*	*10/14/15 08:19*	*10/15/15 16:28*	*1*
p-Terphenyl-d14	*79*		*65 - 153*	*10/14/15 08:19*	*10/15/15 16:28*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14500**	**B**	16.8	7.4	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Antimony	ND		25.2	0.67	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Arsenic	**5.2**		3.4	0.67	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1

Client Sample ID: SB-DUP-1-101215

Date Collected: 10/12/15 10:06
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-4

Matrix: Solid
Percent Solids: 59.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	82.6		0.84	0.18	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Beryllium	1.1		0.34	0.047	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Cadmium	0.24	J	0.34	0.050	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Calcium	26000	B	84.1	5.5	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Chromium	14.0	B	0.84	0.34	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Cobalt	4.9		0.84	0.084	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Copper	16.9		1.7	0.35	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Iron	11000		16.8	5.9	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Lead	9.1		1.7	0.40	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Magnesium	3430		33.6	1.6	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Manganese	177	B	0.34	0.054	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Nickel	18.6	B	8.4	0.39	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Potassium	1760		50.4	33.6	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Selenium	ND		6.7	0.67	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Silver	ND		1.0	0.34	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Sodium	119	J	235	21.9	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Thallium	ND		10.1	0.50	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Vanadium	17.4		0.84	0.18	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1
Zinc	51.2	B	3.4	1.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	J *	1.6	0.79	mg/Kg	☼	10/19/15 13:52	10/21/15 10:11	1
Cyanide, Free	0.66	J	3.6	0.59	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client Sample ID: SB-74-12-16-101215
Date Collected: 10/12/15 11:26
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-5
Matrix: Solid
Percent Solids: 51.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		320	88	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
2,4,6-Trichlorophenol	ND		320	65	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
2,4-Dichlorophenol	ND		320	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
2,4-Dimethylphenol	ND		320	78	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
2,4-Dinitrophenol	ND		3200	1500	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
2,4-Dinitrotoluene	ND		320	67	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
2,6-Dinitrotoluene	ND		320	38	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
2-Chloronaphthalene	ND		320	53	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
2-Chlorophenol	ND		320	59	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
2-Methylnaphthalene	ND		320	65	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
2-Methylphenol	ND		320	38	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
2-Nitroaniline	ND		630	48	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
2-Nitrophenol	ND		320	92	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
3,3'-Dichlorobenzidine	ND		630	380	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
3-Nitroaniline	ND		630	90	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
4,6-Dinitro-2-methylphenol	ND		630	320	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
4-Bromophenyl phenyl ether	ND		320	46	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
4-Chloro-3-methylphenol	ND		320	80	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
4-Chloroaniline	ND		320	80	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
4-Chlorophenyl phenyl ether	ND		320	40	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
4-Methylphenol	ND		630	38	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
4-Nitroaniline	ND		630	170	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
4-Nitrophenol	ND		630	230	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Acenaphthene	ND		320	48	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Acenaphthylene	ND		320	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Acetophenone	ND		320	44	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Anthracene	ND		320	80	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Atrazine	ND		320	110	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Benzaldehyde	ND	*	320	260	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Benzo(a)anthracene	ND		320	32	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Benzo(a)pyrene	ND		320	48	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Benzo(b)fluoranthene	ND		320	51	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Benzo(g,h,i)perylene	ND		320	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Benzo(k)fluoranthene	ND		320	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Biphenyl	ND		320	48	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
bis (2-chloroisopropyl) ether	ND		320	65	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Bis(2-chloroethoxy)methane	ND		320	69	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Bis(2-chloroethyl)ether	ND		320	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Bis(2-ethylhexyl) phthalate	ND		320	110	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Butyl benzyl phthalate	ND		320	53	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Caprolactam	ND		320	97	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Carbazole	ND		320	38	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Chrysene	ND		320	72	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Dibenz(a,h)anthracene	ND		320	57	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Dibenzofuran	ND		320	38	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Diethyl phthalate	ND		320	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Dimethyl phthalate	ND		320	38	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Di-n-butyl phthalate	ND		320	55	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Di-n-octyl phthalate	ND		320	38	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1

Client Sample ID: SB-74-12-16-101215
Date Collected: 10/12/15 11:26
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-5
Matrix: Solid
Percent Solids: 51.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		320	34	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Fluorene	ND		320	38	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Hexachlorobenzene	ND		320	44	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Hexachlorobutadiene	ND		320	48	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Hexachlorocyclopentadiene	ND		320	44	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Hexachloroethane	ND		320	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Indeno(1,2,3-cd)pyrene	ND		320	40	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Isophorone	ND		320	69	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Naphthalene	ND		320	42	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Nitrobenzene	ND		320	36	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
N-Nitrosodi-n-propylamine	ND		320	55	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
N-Nitrosodiphenylamine	ND		320	260	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Pentachlorophenol	ND		630	320	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Phenanthrene	ND		320	48	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Phenol	ND		320	50	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1
Pyrene	ND		320	38	ug/Kg	☼	10/14/15 08:19	10/15/15 16:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*1.60*		*10/14/15 08:19*	*10/15/15 16:54*	*1*
Unknown	*710*	*T J*	*ug/Kg*	☼	*1.67*		*10/14/15 08:19*	*10/15/15 16:54*	*1*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*4.05*		*10/14/15 08:19*	*10/15/15 16:54*	*1*
1-Docosene	*350*	*T J N*	*ug/Kg*	☼	*14.17*	*1599-67-3*	*10/14/15 08:19*	*10/15/15 16:54*	*1*
Unknown	*770*	*T J*	*ug/Kg*	☼	*14.58*		*10/14/15 08:19*	*10/15/15 16:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*39 - 146*	*10/14/15 08:19*	*10/15/15 16:54*	*1*
2-Fluorobiphenyl	*71*		*37 - 120*	*10/14/15 08:19*	*10/15/15 16:54*	*1*
2-Fluorophenol	*64*		*18 - 120*	*10/14/15 08:19*	*10/15/15 16:54*	*1*
Nitrobenzene-d5	*74*		*34 - 132*	*10/14/15 08:19*	*10/15/15 16:54*	*1*
Phenol-d5	*70*		*11 - 120*	*10/14/15 08:19*	*10/15/15 16:54*	*1*
p-Terphenyl-d14	*71*		*65 - 153*	*10/14/15 08:19*	*10/15/15 16:54*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26700**	**B**	18.2	8.0	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Antimony	ND		27.3	0.73	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Arsenic	**4.1**		3.6	0.73	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Barium	**181**		0.91	0.20	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Beryllium	**3.6**		0.36	0.051	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Cadmium	**0.18**	**J**	0.36	0.055	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Calcium	**115000**	**B**	91.1	6.0	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Chromium	**8.5**	**B**	0.91	0.36	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Cobalt	**2.3**		0.91	0.091	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Copper	**8.2**		1.8	0.38	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Iron	**6510**		18.2	6.4	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Lead	**5.6**		1.8	0.44	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Magnesium	**3660**		36.4	1.7	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Manganese	**621**	**B**	0.36	0.058	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Nickel	**6.9**	**J B**	9.1	0.42	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Potassium	**1350**		54.6	36.4	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1

Client Sample ID: SB-74-12-16-101215
Date Collected: 10/12/15 11:26
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-5
Matrix: Solid
Percent Solids: 51.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**3.9**	**J**	7.3	0.73	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Silver	ND		1.1	0.36	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Sodium	**372**		255	23.7	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Thallium	ND		10.9	0.55	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Vanadium	**15.9**		0.91	0.20	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1
Zinc	**28.4**	**B**	3.6	1.2	mg/Kg	☼	10/13/15 14:55	10/14/15 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**3.0**	*****	1.8	0.89	mg/Kg	☼	10/19/15 13:52	10/21/15 10:12	1
Cyanide, Free	ND		3.8	0.63	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client Sample ID: SB-74-16-20-101215
Date Collected: 10/12/15 11:36
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-6
Matrix: Solid
Percent Solids: 69.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		240	65	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
2,4,6-Trichlorophenol	ND		240	48	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
2,4-Dichlorophenol	ND		240	25	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
2,4-Dimethylphenol	ND		240	58	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
2,4-Dinitrophenol	ND		2400	1100	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
2,4-Dinitrotoluene	ND		240	50	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
2,6-Dinitrotoluene	ND		240	28	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
2-Chloronaphthalene	ND		240	40	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
2-Chlorophenol	ND		240	44	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
2-Methylnaphthalene	ND		240	48	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
2-Methylphenol	ND		240	28	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
2-Nitroaniline	ND		470	35	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
2-Nitrophenol	ND		240	68	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
3,3'-Dichlorobenzidine	ND		470	280	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
3-Nitroaniline	ND		470	67	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
4,6-Dinitro-2-methylphenol	ND		470	240	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
4-Bromophenyl phenyl ether	ND		240	34	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
4-Chloro-3-methylphenol	ND		240	59	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
4-Chloroaniline	ND		240	59	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
4-Chlorophenyl phenyl ether	ND		240	30	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
4-Methylphenol	ND		470	28	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
4-Nitroaniline	ND		470	130	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
4-Nitrophenol	ND		470	170	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Acenaphthene	ND		240	35	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Acenaphthylene	ND		240	31	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Acetophenone	ND		240	33	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Anthracene	ND		240	59	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Atrazine	ND		240	84	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Benzaldehyde	ND	*	240	190	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Benzo(a)anthracene	ND		240	24	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Benzo(a)pyrene	ND		240	35	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Benzo(b)fluoranthene	ND		240	38	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Benzo(g,h,i)perylene	ND		240	25	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Benzo(k)fluoranthene	ND		240	31	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Biphenyl	ND		240	35	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
bis (2-chloroisopropyl) ether	ND		240	48	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Bis(2-chloroethoxy)methane	ND		240	51	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Bis(2-chloroethyl)ether	ND		240	31	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Bis(2-ethylhexyl) phthalate	**120**	**J**	240	82	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Butyl benzyl phthalate	ND		240	40	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Caprolactam	ND		240	72	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Carbazole	ND		240	28	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Chrysene	ND		240	54	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Dibenz(a,h)anthracene	ND		240	42	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Dibenzofuran	ND		240	28	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Diethyl phthalate	ND		240	31	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Dimethyl phthalate	ND		240	28	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Di-n-butyl phthalate	ND		240	41	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Di-n-octyl phthalate	ND		240	28	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1

Client Sample ID: SB-74-16-20-101215
Date Collected: 10/12/15 11:36
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-6
Matrix: Solid
Percent Solids: 69.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		240	25	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Fluorene	ND		240	28	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Hexachlorobenzene	ND		240	33	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Hexachlorobutadiene	ND		240	35	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Hexachlorocyclopentadiene	ND		240	33	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Hexachloroethane	ND		240	31	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Indeno(1,2,3-cd)pyrene	ND		240	30	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Isophorone	ND		240	51	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Naphthalene	ND		240	31	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Nitrobenzene	ND		240	27	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
N-Nitrosodi-n-propylamine	ND		240	41	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
N-Nitrosodiphenylamine	ND		240	200	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Pentachlorophenol	ND		470	240	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Phenanthrene	ND		240	35	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Phenol	ND		240	37	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1
Pyrene	ND		240	28	ug/Kg	☼	10/14/15 08:19	10/15/15 17:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*1.61*		*10/14/15 08:19*	*10/15/15 17:21*	*1*
Unknown	*800*	*T J*	*ug/Kg*	☼	*4.05*		*10/14/15 08:19*	*10/15/15 17:21*	*1*
Unknown alkane	*280*	*T J*	*ug/Kg*	☼	*9.78*		*10/14/15 08:19*	*10/15/15 17:21*	*1*
Unknown alkane	*360*	*T J*	*ug/Kg*	☼	*10.34*		*10/14/15 08:19*	*10/15/15 17:21*	*1*
Pentadecane, 2,6,10-trimethyl-	*320*	*T J N*	*ug/Kg*	☼	*10.58*	*3892-00-0*	*10/14/15 08:19*	*10/15/15 17:21*	*1*
Heptadecane	*960*	*T J N*	*ug/Kg*	☼	*10.84*	*629-78-7*	*10/14/15 08:19*	*10/15/15 17:21*	*1*
Octadecane	*480*	*T J N*	*ug/Kg*	☼	*11.29*	*593-45-3*	*10/14/15 08:19*	*10/15/15 17:21*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*11.31*		*10/14/15 08:19*	*10/15/15 17:21*	*1*
Unknown alkane	*450*	*T J*	*ug/Kg*	☼	*11.69*		*10/14/15 08:19*	*10/15/15 17:21*	*1*
Unknown alkane	*340*	*T J*	*ug/Kg*	☼	*12.06*		*10/14/15 08:19*	*10/15/15 17:21*	*1*
Unknown alkane	*280*	*T J*	*ug/Kg*	☼	*12.40*		*10/14/15 08:19*	*10/15/15 17:21*	*1*
Hexatriacontane	*280*	*T J N*	*ug/Kg*	☼	*12.72*	*630-06-8*	*10/14/15 08:19*	*10/15/15 17:21*	*1*
Tricosane	*340*	*T J N*	*ug/Kg*	☼	*13.03*	*638-67-5*	*10/14/15 08:19*	*10/15/15 17:21*	*1*
Pentadecane	*300*	*T J N*	*ug/Kg*	☼	*13.33*	*629-62-9*	*10/14/15 08:19*	*10/15/15 17:21*	*1*
Unknown alkane	*330*	*T J*	*ug/Kg*	☼	*13.61*		*10/14/15 08:19*	*10/15/15 17:21*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*14.15*		*10/14/15 08:19*	*10/15/15 17:21*	*1*
Tetratetracontane	*310*	*T J N*	*ug/Kg*	☼	*14.71*	*7098-22-8*	*10/14/15 08:19*	*10/15/15 17:21*	*1*
Unknown	*260*	*T J*	*ug/Kg*	☼	*16.73*		*10/14/15 08:19*	*10/15/15 17:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*39 - 146*	*10/14/15 08:19*	*10/15/15 17:21*	*1*
2-Fluorobiphenyl	*82*		*37 - 120*	*10/14/15 08:19*	*10/15/15 17:21*	*1*
2-Fluorophenol	*71*		*18 - 120*	*10/14/15 08:19*	*10/15/15 17:21*	*1*
Nitrobenzene-d5	*67*		*34 - 132*	*10/14/15 08:19*	*10/15/15 17:21*	*1*
Phenol-d5	*71*		*11 - 120*	*10/14/15 08:19*	*10/15/15 17:21*	*1*
p-Terphenyl-d14	*100*		*65 - 153*	*10/14/15 08:19*	*10/15/15 17:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**22400**	**B**	13.8	6.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Antimony	ND		20.8	0.55	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Arsenic	**11.4**		2.8	0.55	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: SB-74-16-20-101215
Date Collected: 10/12/15 11:36
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-6
Matrix: Solid
Percent Solids: 69.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	129		0.69	0.15	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Beryllium	1.1		0.28	0.039	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Cadmium	0.17	J	0.28	0.042	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Calcium	30200	B	69.2	4.6	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Chromium	29.8	B	0.69	0.28	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Cobalt	15.3		0.69	0.069	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Copper	28.0		1.4	0.29	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Iron	31500		13.8	4.8	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Lead	16.0		1.4	0.33	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Magnesium	14500		27.7	1.3	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Manganese	521	B	0.28	0.044	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Nickel	39.0	B	6.9	0.32	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Potassium	5540		41.5	27.7	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Selenium	ND		5.5	0.55	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Silver	ND		0.83	0.28	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Sodium	338		194	18.0	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Thallium	ND		8.3	0.42	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Vanadium	41.3		0.69	0.15	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1
Zinc	80.8	B	2.8	0.89	mg/Kg	☼	10/13/15 14:55	10/14/15 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	*	1.4	0.66	mg/Kg	☼	10/19/15 13:52	10/21/15 10:14	1
Cyanide, Free	ND		3.0	0.51	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client Sample ID: SB-75-0-4-101215
Date Collected: 10/12/15 14:03
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-7
Matrix: Solid
Percent Solids: 80.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1000	280	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
2,4,6-Trichlorophenol	ND		1000	210	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
2,4-Dichlorophenol	ND		1000	110	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
2,4-Dimethylphenol	ND		1000	250	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
2,4-Dinitrophenol	ND		10000	4800	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
2,4-Dinitrotoluene	ND		1000	210	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
2,6-Dinitrotoluene	ND		1000	120	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
2-Chloronaphthalene	ND		1000	170	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
2-Chlorophenol	ND		1000	190	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
2-Methylnaphthalene	ND		1000	210	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
2-Methylphenol	ND		1000	120	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
2-Nitroaniline	ND		2000	150	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
2-Nitrophenol	ND		1000	290	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
3,3'-Dichlorobenzidine	ND		2000	1200	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
3-Nitroaniline	ND		2000	290	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
4,6-Dinitro-2-methylphenol	ND		2000	1000	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
4-Bromophenyl phenyl ether	ND		1000	150	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
4-Chloro-3-methylphenol	ND		1000	260	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
4-Chloroaniline	ND		1000	260	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
4-Chlorophenyl phenyl ether	ND		1000	130	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
4-Methylphenol	ND		2000	120	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
4-Nitroaniline	ND		2000	540	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
4-Nitrophenol	ND		2000	730	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Acenaphthene	ND		1000	150	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Acenaphthylene	**190**	**J**	1000	130	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Acetophenone	ND		1000	140	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Anthracene	ND		1000	260	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Atrazine	ND		1000	360	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Benzaldehyde	ND	*	1000	820	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Benzo(a)anthracene	**970**	**J**	1000	100	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Benzo(a)pyrene	**1100**		1000	150	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Benzo(b)fluoranthene	**2000**		1000	160	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Benzo(g,h,i)perylene	ND		1000	110	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Benzo(k)fluoranthene	**860**	**J**	1000	130	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Biphenyl	ND		1000	150	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
bis (2-chloroisopropyl) ether	ND		1000	210	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Bis(2-chloroethoxy)methane	ND		1000	220	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Bis(2-chloroethyl)ether	ND		1000	130	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Bis(2-ethylhexyl) phthalate	ND		1000	350	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Butyl benzyl phthalate	ND		1000	170	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Caprolactam	ND		1000	310	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Carbazole	ND		1000	120	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Chrysene	**1200**		1000	230	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Dibenz(a,h)anthracene	ND		1000	180	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Dibenzofuran	ND		1000	120	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Diethyl phthalate	ND		1000	130	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Dimethyl phthalate	ND		1000	120	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Di-n-butyl phthalate	ND		1000	180	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Di-n-octyl phthalate	ND		1000	120	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5

Client Sample ID: SB-75-0-4-101215
Date Collected: 10/12/15 14:03
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-7
Matrix: Solid
Percent Solids: 80.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1200**		1000	110	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Fluorene	ND		1000	120	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Hexachlorobenzene	ND		1000	140	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Hexachlorobutadiene	ND		1000	150	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Hexachlorocyclopentadiene	ND		1000	140	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Hexachloroethane	ND		1000	130	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Indeno(1,2,3-cd)pyrene	**820**	**J**	1000	130	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Isophorone	ND		1000	220	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Naphthalene	**160**	**J**	1000	130	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Nitrobenzene	ND		1000	120	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
N-Nitrosodi-n-propylamine	ND		1000	180	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
N-Nitrosodiphenylamine	ND		1000	840	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Pentachlorophenol	ND		2000	1000	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Phenanthrene	**380**	**J**	1000	150	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Phenol	ND		1000	160	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5
Pyrene	**1400**		1000	120	ug/Kg	☼	10/14/15 08:19	10/15/15 17:47	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Dibenzo[def,mno]chrysene	*1200*	*T J N*	*ug/Kg*	☼	*16.73*	*191-26-4*	*10/14/15 08:19*	*10/15/15 17:47*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*39 - 146*	*10/14/15 08:19*	*10/15/15 17:47*	*5*
2-Fluorobiphenyl	*80*		*37 - 120*	*10/14/15 08:19*	*10/15/15 17:47*	*5*
2-Fluorophenol	*64*		*18 - 120*	*10/14/15 08:19*	*10/15/15 17:47*	*5*
Nitrobenzene-d5	*68*		*34 - 132*	*10/14/15 08:19*	*10/15/15 17:47*	*5*
Phenol-d5	*69*		*11 - 120*	*10/14/15 08:19*	*10/15/15 17:47*	*5*
p-Terphenyl-d14	*89*		*65 - 153*	*10/14/15 08:19*	*10/15/15 17:47*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**31600**	**B**	12.3	5.4	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Antimony	ND		18.4	0.49	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Arsenic	**11.3**		2.5	0.49	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Barium	**234**		0.61	0.14	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Beryllium	**5.0**		0.25	0.034	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Cadmium	**0.96**		0.25	0.037	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Calcium	**135000**	**B**	61.4	4.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Chromium	**15.8**	**B**	0.61	0.25	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Cobalt	**14.1**		0.61	0.061	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Copper	**30.4**		1.2	0.26	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Iron	**36800**		12.3	4.3	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Lead	**112**		1.2	0.29	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Magnesium	**9010**		24.5	1.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Manganese	**1440**	**B**	0.25	0.039	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Nickel	**16.4**	**B**	6.1	0.28	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Potassium	**1530**		36.8	24.5	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Selenium	**3.6**	**J**	4.9	0.49	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Silver	ND		0.74	0.25	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Sodium	**389**		172	16.0	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Thallium	ND		7.4	0.37	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: SB-75-0-4-101215
Date Collected: 10/12/15 14:03
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-7
Matrix: Solid
Percent Solids: 80.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	13.0		0.61	0.14	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1
Zinc	232	B	2.5	0.79	mg/Kg	☼	10/13/15 14:55	10/14/15 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	6.6	*	1.2	0.58	mg/Kg	☼	10/19/15 13:52	10/21/15 10:15	1
Cyanide, Free	ND		2.7	0.44	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: SB-75-4-8-101215
Date Collected: 10/12/15 14:28
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-8
Matrix: Solid
Percent Solids: 82.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		200	54	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
2,4,6-Trichlorophenol	ND		200	40	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
2,4-Dichlorophenol	ND		200	21	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
2,4-Dimethylphenol	ND		200	48	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
2,4-Dinitrophenol	ND		2000	920	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
2,4-Dinitrotoluene	ND		200	41	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
2-Chloronaphthalene	ND		200	33	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
2-Chlorophenol	ND		200	37	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
2-Methylnaphthalene	ND		200	40	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
2-Methylphenol	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
2-Nitroaniline	ND		390	29	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
2-Nitrophenol	ND		200	57	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
3,3'-Dichlorobenzidine	ND		390	240	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
3-Nitroaniline	ND		390	55	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
4,6-Dinitro-2-methylphenol	ND		390	200	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
4-Bromophenyl phenyl ether	ND		200	28	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
4-Chloro-3-methylphenol	ND		200	49	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
4-Chloroaniline	ND		200	49	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
4-Methylphenol	ND		390	24	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
4-Nitroaniline	ND		390	100	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
4-Nitrophenol	ND		390	140	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Acenaphthene	ND		200	29	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Acenaphthylene	ND		200	26	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Acetophenone	ND		200	27	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Anthracene	ND		200	49	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Atrazine	ND		200	69	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Benzaldehyde	ND	*	200	160	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Benzo(a)anthracene	**32**	**J**	200	20	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Benzo(a)pyrene	**31**	**J**	200	29	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Benzo(b)fluoranthene	**51**	**J**	200	32	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Benzo(g,h,i)perylene	ND		200	21	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Benzo(k)fluoranthene	ND		200	26	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Biphenyl	ND		200	29	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Bis(2-chloroethoxy)methane	ND		200	42	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Bis(2-ethylhexyl) phthalate	ND		200	68	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Butyl benzyl phthalate	ND		200	33	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Caprolactam	ND		200	60	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Carbazole	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Chrysene	ND		200	45	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Dibenz(a,h)anthracene	ND		200	35	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Dibenzofuran	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Dimethyl phthalate	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Di-n-butyl phthalate	ND		200	34	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1

Client Sample ID: SB-75-4-8-101215
Date Collected: 10/12/15 14:28
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-8
Matrix: Solid
Percent Solids: 82.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**40**	**J**	200	21	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Fluorene	ND		200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Hexachlorobenzene	ND		200	27	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Hexachlorocyclopentadiene	ND		200	27	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Hexachloroethane	ND		200	26	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Indeno(1,2,3-cd)pyrene	ND		200	25	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Isophorone	ND		200	42	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Naphthalene	ND		200	26	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Nitrobenzene	ND		200	22	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
N-Nitrosodi-n-propylamine	ND		200	34	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
N-Nitrosodiphenylamine	ND		200	160	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Pentachlorophenol	ND		390	200	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Phenanthrene	ND		200	29	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Phenol	ND		200	31	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1
Pyrene	**45**	**J**	200	24	ug/Kg	☼	10/14/15 08:19	10/15/15 18:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*790*	*T J*	*ug/Kg*	☼	*1.61*		*10/14/15 08:19*	*10/15/15 18:14*	*1*
Acetone	*840*	*T J N*	*ug/Kg*	☼	*1.69*	*67-64-1*	*10/14/15 08:19*	*10/15/15 18:14*	*1*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*4.06*		*10/14/15 08:19*	*10/15/15 18:14*	*1*
Ethane, 1,1,2,2-tetrachloro-	*180*	*T J N*	*ug/Kg*	☼	*5.15*	*79-34-5*	*10/14/15 08:19*	*10/15/15 18:14*	*1*
9-Octadecenamide, (Z)-	*330*	*T J N*	*ug/Kg*	☼	*13.26*	*301-02-0*	*10/14/15 08:19*	*10/15/15 18:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*32*	*X*	*39 - 146*	*10/14/15 08:19*	*10/15/15 18:14*	*1*
2-Fluorobiphenyl	*82*		*37 - 120*	*10/14/15 08:19*	*10/15/15 18:14*	*1*
2-Fluorophenol	*53*		*18 - 120*	*10/14/15 08:19*	*10/15/15 18:14*	*1*
Nitrobenzene-d5	*77*		*34 - 132*	*10/14/15 08:19*	*10/15/15 18:14*	*1*
Phenol-d5	*67*		*11 - 120*	*10/14/15 08:19*	*10/15/15 18:14*	*1*
p-Terphenyl-d14	*89*		*65 - 153*	*10/14/15 08:19*	*10/15/15 18:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**43000**	**B**	11.5	5.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Antimony	ND		17.3	0.46	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Arsenic	**3.7**		2.3	0.46	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Barium	**287**		0.58	0.13	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Beryllium	**8.0**		0.23	0.032	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Cadmium	ND		0.23	0.035	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Calcium	**254000**	**B**	289	19.0	mg/Kg	☼	10/13/15 14:55	10/14/15 21:44	5
Chromium	**2.0**	**B**	0.58	0.23	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Cobalt	**0.71**		0.58	0.058	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Copper	ND		5.8	1.2	mg/Kg	☼	10/13/15 14:55	10/14/15 21:44	5
Iron	**5640**		11.5	4.0	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Lead	**2.5**		1.2	0.28	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Magnesium	**6720**		23.1	1.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Manganese	**999**	**B**	0.23	0.037	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Nickel	**1.5**	**J B**	5.8	0.27	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Potassium	**1160**		34.6	23.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: SB-75-4-8-101215
Date Collected: 10/12/15 14:28
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-8
Matrix: Solid
Percent Solids: 82.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**6.8**		4.6	0.46	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Silver	ND		0.69	0.23	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Sodium	**444**		162	15.0	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Thallium	ND		6.9	0.35	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Vanadium	**6.2**		0.58	0.13	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1
Zinc	**11.4**	**B**	2.3	0.74	mg/Kg	☼	10/13/15 14:55	10/14/15 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**1.4**	*	1.2	0.58	mg/Kg	☼	10/19/15 13:52	10/21/15 10:17	1
Cyanide, Free	ND		2.6	0.44	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client Sample ID: SB-75-8-12-101215
Date Collected: 10/12/15 14:39
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-9
Matrix: Solid
Percent Solids: 73.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		230	62	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
2,4,6-Trichlorophenol	ND		230	46	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
2,4-Dichlorophenol	ND		230	24	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
2,4-Dimethylphenol	ND		230	55	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
2,4-Dinitrophenol	ND		2200	1100	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
2,4-Dinitrotoluene	ND		230	47	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
2,6-Dinitrotoluene	ND		230	27	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
2-Chloronaphthalene	ND		230	38	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
2-Chlorophenol	ND		230	42	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
2-Methylnaphthalene	ND		230	46	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
2-Methylphenol	ND		230	27	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
2-Nitroaniline	ND		440	34	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
2-Nitrophenol	ND		230	65	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
3,3'-Dichlorobenzidine	ND		440	270	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
3-Nitroaniline	ND		440	63	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
4,6-Dinitro-2-methylphenol	ND		440	230	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
4-Bromophenyl phenyl ether	ND		230	32	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
4-Chloro-3-methylphenol	ND		230	57	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
4-Chloroaniline	ND		230	57	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
4-Chlorophenyl phenyl ether	ND		230	28	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
4-Methylphenol	ND		440	27	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
4-Nitroaniline	ND		440	120	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
4-Nitrophenol	ND		440	160	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Acenaphthene	ND		230	34	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Acenaphthylene	ND		230	30	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Acetophenone	ND		230	31	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Anthracene	ND		230	57	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Atrazine	ND		230	79	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Benzaldehyde	ND	*	230	180	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Benzo(a)anthracene	ND		230	23	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Benzo(a)pyrene	ND		230	34	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Benzo(b)fluoranthene	ND		230	36	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Benzo(g,h,i)perylene	ND		230	24	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Benzo(k)fluoranthene	ND		230	30	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Biphenyl	ND		230	34	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
bis (2-chloroisopropyl) ether	ND		230	46	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Bis(2-chloroethoxy)methane	ND		230	48	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Bis(2-chloroethyl)ether	ND		230	30	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Bis(2-ethylhexyl) phthalate	ND		230	78	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Butyl benzyl phthalate	ND		230	38	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Caprolactam	ND		230	69	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Carbazole	ND		230	27	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Chrysene	ND		230	51	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Dibenz(a,h)anthracene	ND		230	40	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Dibenzofuran	ND		230	27	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Diethyl phthalate	ND		230	30	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Dimethyl phthalate	ND		230	27	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Di-n-butyl phthalate	ND		230	39	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Di-n-octyl phthalate	ND		230	27	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1

Client Sample ID: SB-75-8-12-101215
Date Collected: 10/12/15 14:39
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-9
Matrix: Solid
Percent Solids: 73.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		230	24	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Fluorene	ND		230	27	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Hexachlorobenzene	ND		230	31	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Hexachlorobutadiene	ND		230	34	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Hexachlorocyclopentadiene	ND		230	31	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Hexachloroethane	ND		230	30	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Indeno(1,2,3-cd)pyrene	ND		230	28	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Isophorone	ND		230	48	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Naphthalene	ND		230	30	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Nitrobenzene	ND		230	26	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
N-Nitrosodi-n-propylamine	ND		230	39	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
N-Nitrosodiphenylamine	ND		230	190	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Pentachlorophenol	ND		440	230	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Phenanthrene	ND		230	34	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Phenol	ND		230	35	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1
Pyrene	ND		230	27	ug/Kg	☼	10/14/15 08:19	10/15/15 18:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*1.61*		*10/14/15 08:19*	*10/15/15 18:40*	*1*
Unknown	*980*	*T J*	*ug/Kg*	☼	*1.68*		*10/14/15 08:19*	*10/15/15 18:40*	*1*
Unknown	*1500*	*T J*	*ug/Kg*	☼	*4.06*		*10/14/15 08:19*	*10/15/15 18:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*41*		*39 - 146*	*10/14/15 08:19*	*10/15/15 18:40*	*1*
2-Fluorobiphenyl	*79*		*37 - 120*	*10/14/15 08:19*	*10/15/15 18:40*	*1*
2-Fluorophenol	*48*		*18 - 120*	*10/14/15 08:19*	*10/15/15 18:40*	*1*
Nitrobenzene-d5	*77*		*34 - 132*	*10/14/15 08:19*	*10/15/15 18:40*	*1*
Phenol-d5	*77*		*11 - 120*	*10/14/15 08:19*	*10/15/15 18:40*	*1*
p-Terphenyl-d14	*77*		*65 - 153*	*10/14/15 08:19*	*10/15/15 18:40*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**42100**	**B**	13.0	5.7	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Antimony	ND		19.6	0.52	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Arsenic	**4.1**		2.6	0.52	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Barium	**255**		0.65	0.14	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Beryllium	**7.4**		0.26	0.037	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Cadmium	ND		0.26	0.039	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Calcium	**252000**	**B**	326	21.5	mg/Kg	☼	10/13/15 14:55	10/14/15 21:47	5
Chromium	**2.2**	**B**	0.65	0.26	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Cobalt	**0.90**		0.65	0.065	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Copper	**2.3**	**J**	6.5	1.4	mg/Kg	☼	10/13/15 14:55	10/14/15 21:47	5
Iron	**7430**		13.0	4.6	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Lead	**4.5**		1.3	0.31	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Magnesium	**6620**		26.1	1.2	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Manganese	**1390**	**B**	0.26	0.042	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Nickel	**3.3**	**J B**	6.5	0.30	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Potassium	**906**		39.1	26.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Selenium	**3.6**	**J**	5.2	0.52	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Silver	ND		0.78	0.26	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: SB-75-8-12-101215
Date Collected: 10/12/15 14:39
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-9
Matrix: Solid
Percent Solids: 73.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	509		183	17.0	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Thallium	ND		7.8	0.39	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Vanadium	8.2		0.65	0.14	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1
Zinc	11.5	B	2.6	0.84	mg/Kg	☼	10/13/15 14:55	10/14/15 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.80	J *	1.3	0.62	mg/Kg	☼	10/19/15 13:52	10/21/15 10:18	1
Cyanide, Free	ND		2.9	0.49	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: SB-75-12-16-10125
Date Collected: 10/12/15 14:49
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-10
Matrix: Solid
Percent Solids: 25.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		3300	880	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
2,4,6-Trichlorophenol	ND		3300	650	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
2,4-Dichlorophenol	ND		3300	350	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
2,4-Dimethylphenol	ND		3300	790	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
2,4-Dinitrophenol	ND		32000	15000	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
2,4-Dinitrotoluene	ND		3300	670	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
2,6-Dinitrotoluene	ND		3300	380	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
2-Chloronaphthalene	ND		3300	540	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
2-Chlorophenol	ND		3300	600	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
2-Methylnaphthalene	ND		3300	650	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
2-Methylphenol	ND		3300	380	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
2-Nitroaniline	ND		6300	480	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
2-Nitrophenol	ND		3300	920	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
3,3'-Dichlorobenzidine	ND		6300	3800	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
3-Nitroaniline	ND		6300	900	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
4,6-Dinitro-2-methylphenol	ND		6300	3300	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
4-Bromophenyl phenyl ether	ND		3300	460	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
4-Chloro-3-methylphenol	ND		3300	810	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
4-Chloroaniline	ND		3300	810	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
4-Chlorophenyl phenyl ether	ND		3300	400	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
4-Methylphenol	ND		6300	380	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
4-Nitroaniline	ND		6300	1700	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
4-Nitrophenol	ND		6300	2300	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Acenaphthene	ND		3300	480	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Acenaphthylene	ND		3300	420	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Acetophenone	ND		3300	440	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Anthracene	ND		3300	810	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Atrazine	ND		3300	1100	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Benzaldehyde	ND	*	3300	2600	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Benzo(a)anthracene	ND		3300	330	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Benzo(a)pyrene	ND		3300	480	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Benzo(b)fluoranthene	ND		3300	520	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Benzo(g,h,i)perylene	ND		3300	350	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Benzo(k)fluoranthene	ND		3300	420	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Biphenyl	ND		3300	480	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
bis (2-chloroisopropyl) ether	ND		3300	650	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Bis(2-chloroethoxy)methane	ND		3300	690	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Bis(2-chloroethyl)ether	ND		3300	420	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Bis(2-ethylhexyl) phthalate	ND		3300	1100	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Butyl benzyl phthalate	ND		3300	540	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Caprolactam	ND		3300	980	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Carbazole	ND		3300	380	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Chrysene	ND		3300	730	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Dibenz(a,h)anthracene	ND		3300	580	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Dibenzofuran	ND		3300	380	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Diethyl phthalate	ND		3300	420	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Dimethyl phthalate	ND		3300	380	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Di-n-butyl phthalate	ND		3300	560	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Di-n-octyl phthalate	ND		3300	380	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5

Client Sample ID: SB-75-12-16-10125
Date Collected: 10/12/15 14:49
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-10
Matrix: Solid
Percent Solids: 25.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		3300	350	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Fluorene	ND		3300	380	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Hexachlorobenzene	ND		3300	440	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Hexachlorobutadiene	ND		3300	480	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Hexachlorocyclopentadiene	ND		3300	440	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Hexachloroethane	ND		3300	420	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Indeno(1,2,3-cd)pyrene	ND		3300	400	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Isophorone	ND		3300	690	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Naphthalene	ND		3300	420	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Nitrobenzene	ND		3300	370	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
N-Nitrosodi-n-propylamine	ND		3300	560	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
N-Nitrosodiphenylamine	ND		3300	2700	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Pentachlorophenol	ND		6300	3300	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Phenanthrene	ND		3300	480	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Phenol	ND		3300	500	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5
Pyrene	ND		3300	380	ug/Kg	☼	10/14/15 08:19	10/15/15 19:07	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3000*	*T J*	*ug/Kg*	☼	*1.60*		*10/14/15 08:19*	*10/15/15 19:07*	*5*
Unknown	*5800*	*T J*	*ug/Kg*	☼	*18.47*		*10/14/15 08:19*	*10/15/15 19:07*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*53*		*39 - 146*	*10/14/15 08:19*	*10/15/15 19:07*	*5*
2-Fluorobiphenyl	*69*		*37 - 120*	*10/14/15 08:19*	*10/15/15 19:07*	*5*
2-Fluorophenol	*65*		*18 - 120*	*10/14/15 08:19*	*10/15/15 19:07*	*5*
Nitrobenzene-d5	*73*		*34 - 132*	*10/14/15 08:19*	*10/15/15 19:07*	*5*
Phenol-d5	*69*		*11 - 120*	*10/14/15 08:19*	*10/15/15 19:07*	*5*
p-Terphenyl-d14	*59*	*X*	*65 - 153*	*10/14/15 08:19*	*10/15/15 19:07*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**80600**	**B**	38.0	16.7	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Antimony	ND		57.1	1.5	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Arsenic	**13.0**		7.6	1.5	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Barium	**412**		1.9	0.42	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Beryllium	**13.5**		0.76	0.11	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Cadmium	**0.20**	**J**	0.76	0.11	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Calcium	**326000**	**B**	190	12.6	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Chromium	**8.3**	**B**	1.9	0.76	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Cobalt	**3.9**		1.9	0.19	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Copper	**10.6**		3.8	0.80	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Iron	**12400**		38.0	13.3	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Lead	**11.0**		3.8	0.91	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Magnesium	**12300**		76.1	3.5	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Manganese	**2130**	**B**	0.76	0.12	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Nickel	**12.4**	**J B**	19.0	0.87	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Potassium	**2040**		114	76.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Selenium	**7.5**	**J**	15.2	1.5	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Silver	ND		2.3	0.76	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Sodium	**885**		533	49.4	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: SB-75-12-16-10125
Date Collected: 10/12/15 14:49
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-10
Matrix: Solid
Percent Solids: 25.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		22.8	1.1	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Vanadium	**17.5**		1.9	0.42	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1
Zinc	**43.1**	**B**	7.6	2.4	mg/Kg	☼	10/13/15 14:55	10/14/15 12:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**2.3**	**J ***	3.7	1.8	mg/Kg	☼	10/20/15 14:35	10/20/15 18:59	1
Cyanide, Free	ND		7.4	1.2	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client Sample ID: SB-75-16-20-101215
Date Collected: 10/12/15 15:18
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-11
Matrix: Solid
Percent Solids: 77.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		210	58	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
2,4,6-Trichlorophenol	ND		210	43	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
2,4-Dichlorophenol	ND		210	23	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
2,4-Dimethylphenol	ND		210	52	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
2,4-Dinitrophenol	ND		2100	990	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
2,4-Dinitrotoluene	ND		210	44	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
2,6-Dinitrotoluene	ND		210	25	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
2-Chloronaphthalene	ND		210	35	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
2-Chlorophenol	ND		210	39	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
2-Methylnaphthalene	ND		210	43	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
2-Methylphenol	ND		210	25	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
2-Nitroaniline	ND		410	31	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
2-Nitrophenol	ND		210	60	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
3,3'-Dichlorobenzidine	ND		410	250	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
3-Nitroaniline	ND		410	59	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
4,6-Dinitro-2-methylphenol	ND		410	210	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
4-Bromophenyl phenyl ether	ND		210	30	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
4-Chloro-3-methylphenol	ND		210	53	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
4-Chloroaniline	ND		210	53	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
4-Chlorophenyl phenyl ether	ND		210	26	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
4-Methylphenol	ND		410	25	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
4-Nitroaniline	ND		410	110	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
4-Nitrophenol	ND		410	150	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Acenaphthene	ND		210	31	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Acenaphthylene	ND		210	28	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Acetophenone	ND		210	29	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Anthracene	ND		210	53	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Atrazine	ND		210	74	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Benzaldehyde	ND	*	210	170	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Benzo(a)anthracene	ND		210	21	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Benzo(a)pyrene	ND		210	31	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Benzo(b)fluoranthene	ND		210	34	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Benzo(g,h,i)perylene	ND		210	23	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Benzo(k)fluoranthene	ND		210	28	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Biphenyl	ND		210	31	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
bis (2-chloroisopropyl) ether	ND		210	43	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Bis(2-chloroethoxy)methane	ND		210	45	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Bis(2-chloroethyl)ether	ND		210	28	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Bis(2-ethylhexyl) phthalate	ND		210	73	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Butyl benzyl phthalate	ND		210	35	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Caprolactam	ND		210	64	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Carbazole	ND		210	25	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Chrysene	ND		210	48	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Dibenz(a,h)anthracene	ND		210	38	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Dibenzofuran	ND		210	25	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Diethyl phthalate	ND		210	28	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Dimethyl phthalate	ND		210	25	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Di-n-butyl phthalate	ND		210	36	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Di-n-octyl phthalate	ND		210	25	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1

Client Sample ID: SB-75-16-20-101215
Date Collected: 10/12/15 15:18
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-11
Matrix: Solid
Percent Solids: 77.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		210	23	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Fluorene	ND		210	25	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Hexachlorobenzene	ND		210	29	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Hexachlorobutadiene	ND		210	31	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Hexachlorocyclopentadiene	ND		210	29	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Hexachloroethane	ND		210	28	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Indeno(1,2,3-cd)pyrene	ND		210	26	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Isophorone	ND		210	45	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Naphthalene	ND		210	28	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Nitrobenzene	ND		210	24	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
N-Nitrosodi-n-propylamine	ND		210	36	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
N-Nitrosodiphenylamine	ND		210	170	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Pentachlorophenol	ND		410	210	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Phenanthrene	ND		210	31	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Phenol	ND		210	33	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1
Pyrene	ND		210	25	ug/Kg	☼	10/14/15 08:19	10/15/15 19:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*900*	*T J*	*ug/Kg*	☼	*1.61*		*10/14/15 08:19*	*10/15/15 19:33*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*1.66*		*10/14/15 08:19*	*10/15/15 19:33*	*1*
Ethane, 1,1,2-trichloro-	*310*	*T J N*	*ug/Kg*	☼	*3.05*	*79-00-5*	*10/14/15 08:19*	*10/15/15 19:33*	*1*
Unknown	*940*	*T J*	*ug/Kg*	☼	*4.05*		*10/14/15 08:19*	*10/15/15 19:33*	*1*
Ethane, 1,1,2,2-tetrachloro-	*590*	*T J N*	*ug/Kg*	☼	*5.14*	*79-34-5*	*10/14/15 08:19*	*10/15/15 19:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*39 - 146*	*10/14/15 08:19*	*10/15/15 19:33*	*1*
2-Fluorobiphenyl	*72*		*37 - 120*	*10/14/15 08:19*	*10/15/15 19:33*	*1*
2-Fluorophenol	*67*		*18 - 120*	*10/14/15 08:19*	*10/15/15 19:33*	*1*
Nitrobenzene-d5	*62*		*34 - 132*	*10/14/15 08:19*	*10/15/15 19:33*	*1*
Phenol-d5	*70*		*11 - 120*	*10/14/15 08:19*	*10/15/15 19:33*	*1*
p-Terphenyl-d14	*78*		*65 - 153*	*10/14/15 08:19*	*10/15/15 19:33*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**35300**	**B**	12.4	5.5	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Antimony	ND		18.6	0.50	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Arsenic	**4.0**		2.5	0.50	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Barium	**182**		0.62	0.14	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Beryllium	**5.1**		0.25	0.035	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Cadmium	**0.040**	**J**	0.25	0.037	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Calcium	**120000**	**B**	62.2	4.1	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Chromium	**10.2**	**B**	0.62	0.25	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Cobalt	**6.7**		0.62	0.062	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Copper	**11.6**		1.2	0.26	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Iron	**14400**		12.4	4.4	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Lead	**7.3**		1.2	0.30	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Magnesium	**8540**		24.9	1.2	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Manganese	**906**	**B**	0.25	0.040	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Nickel	**18.1**	**B**	6.2	0.29	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Potassium	**1690**		37.3	24.9	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: SB-75-16-20-101215
Date Collected: 10/12/15 15:18
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-11
Matrix: Solid
Percent Solids: 77.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**2.3**	**J**	5.0	0.50	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Silver	ND		0.75	0.25	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Sodium	**347**		174	16.2	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Thallium	ND		7.5	0.37	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Vanadium	**16.3**		0.62	0.14	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1
Zinc	**33.7**	**B**	2.5	0.80	mg/Kg	☼	10/13/15 14:55	10/14/15 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	*	1.2	0.60	mg/Kg	☼	10/20/15 14:35	10/20/15 19:02	1
Cyanide, Free	ND		2.3	0.38	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: S8-74-0-4-101215
Date Collected: 10/12/15 09:10
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268361	10/13/15 07:05	CSW	TAL BUF

Client Sample ID: S8-74-0-4-101215
Date Collected: 10/12/15 09:10
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-1
Matrix: Solid
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268660	10/14/15 08:19	CAM	TAL BUF
Total/NA	Analysis	8270D		1	268989	10/15/15 15:08	LMW	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268889	10/14/15 12:13	AMH	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		5	268889	10/14/15 21:40	AMH	TAL BUF
Total/NA	Prep	9012B			269642	10/19/15 13:52	SER	TAL BUF
Total/NA	Analysis	9012B		1	270178	10/21/15 10:05	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Client Sample ID: S8-74-4-8-101215
Date Collected: 10/12/15 09:32
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268361	10/13/15 07:05	CSW	TAL BUF

Client Sample ID: S8-74-4-8-101215
Date Collected: 10/12/15 09:32
Date Received: 10/12/15 19:10

Lab Sample ID: 480-88934-2
Matrix: Solid
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268660	10/14/15 08:19	CAM	TAL BUF
Total/NA	Analysis	8270D		1	268989	10/15/15 15:35	LMW	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268889	10/14/15 12:16	AMH	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		5	268889	10/14/15 12:19	AMH	TAL BUF
Total/NA	Prep	9012B			269642	10/19/15 13:52	SER	TAL BUF
Total/NA	Analysis	9012B		1	270178	10/21/15 10:08	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: S8-74-8-12-101215
Lab Sample ID: 480-88934-3
Date Collected: 10/12/15 10:06
Matrix: Solid
Date Received: 10/12/15 19:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268361	10/13/15 07:05	CSW	TAL BUF

Client Sample ID: S8-74-8-12-101215
Lab Sample ID: 480-88934-3
Date Collected: 10/12/15 10:06
Matrix: Solid
Date Received: 10/12/15 19:10
Percent Solids: 59.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268660	10/14/15 08:19	CAM	TAL BUF
Total/NA	Analysis	8270D		1	268989	10/15/15 16:01	LMW	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268889	10/14/15 12:23	AMH	TAL BUF
Total/NA	Prep	9012B			269642	10/19/15 13:52	SER	TAL BUF
Total/NA	Analysis	9012B		1	270178	10/21/15 10:10	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Client Sample ID: SB-DUP-1-101215
Lab Sample ID: 480-88934-4
Date Collected: 10/12/15 10:06
Matrix: Solid
Date Received: 10/12/15 19:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268361	10/13/15 07:05	CSW	TAL BUF

Client Sample ID: SB-DUP-1-101215
Lab Sample ID: 480-88934-4
Date Collected: 10/12/15 10:06
Matrix: Solid
Date Received: 10/12/15 19:10
Percent Solids: 59.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268660	10/14/15 08:19	CAM	TAL BUF
Total/NA	Analysis	8270D		1	268989	10/15/15 16:28	LMW	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268889	10/14/15 12:26	AMH	TAL BUF
Total/NA	Prep	9012B			269642	10/19/15 13:52	SER	TAL BUF
Total/NA	Analysis	9012B		1	270178	10/21/15 10:11	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: SB-74-12-16-101215
Lab Sample ID: 480-88934-5
Date Collected: 10/12/15 11:26
Matrix: Solid
Date Received: 10/12/15 19:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268361	10/13/15 07:05	CSW	TAL BUF

Client Sample ID: SB-74-12-16-101215
Lab Sample ID: 480-88934-5
Date Collected: 10/12/15 11:26
Matrix: Solid
Date Received: 10/12/15 19:10
Percent Solids: 51.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268660	10/14/15 08:19	CAM	TAL BUF
Total/NA	Analysis	8270D		1	268989	10/15/15 16:54	LMW	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268889	10/14/15 12:29	AMH	TAL BUF
Total/NA	Prep	9012B			269642	10/19/15 13:52	SER	TAL BUF
Total/NA	Analysis	9012B		1	270178	10/21/15 10:12	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Client Sample ID: SB-74-16-20-101215
Lab Sample ID: 480-88934-6
Date Collected: 10/12/15 11:36
Matrix: Solid
Date Received: 10/12/15 19:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268361	10/13/15 07:05	CSW	TAL BUF

Client Sample ID: SB-74-16-20-101215
Lab Sample ID: 480-88934-6
Date Collected: 10/12/15 11:36
Matrix: Solid
Date Received: 10/12/15 19:10
Percent Solids: 69.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268660	10/14/15 08:19	CAM	TAL BUF
Total/NA	Analysis	8270D		1	268989	10/15/15 17:21	LMW	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268889	10/14/15 12:42	AMH	TAL BUF
Total/NA	Prep	9012B			269642	10/19/15 13:52	SER	TAL BUF
Total/NA	Analysis	9012B		1	270178	10/21/15 10:14	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: SB-75-0-4-101215 — Lab Sample ID: 480-88934-7

Date Collected: 10/12/15 14:03 — **Matrix: Solid**
Date Received: 10/12/15 19:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268361	10/13/15 07:05	CSW	TAL BUF

Client Sample ID: SB-75-0-4-101215 — Lab Sample ID: 480-88934-7

Date Collected: 10/12/15 14:03 — **Matrix: Solid**
Date Received: 10/12/15 19:10 — **Percent Solids: 80.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268660	10/14/15 08:19	CAM	TAL BUF
Total/NA	Analysis	8270D		5	268989	10/15/15 17:47	LMW	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268889	10/14/15 12:46	AMH	TAL BUF
Total/NA	Prep	9012B			269642	10/19/15 13:52	SER	TAL BUF
Total/NA	Analysis	9012B		1	270178	10/21/15 10:15	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Client Sample ID: SB-75-4-8-101215 — Lab Sample ID: 480-88934-8

Date Collected: 10/12/15 14:28 — **Matrix: Solid**
Date Received: 10/12/15 19:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268361	10/13/15 07:05	CSW	TAL BUF

Client Sample ID: SB-75-4-8-101215 — Lab Sample ID: 480-88934-8

Date Collected: 10/12/15 14:28 — **Matrix: Solid**
Date Received: 10/12/15 19:10 — **Percent Solids: 82.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268660	10/14/15 08:19	CAM	TAL BUF
Total/NA	Analysis	8270D		1	268989	10/15/15 18:14	LMW	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268889	10/14/15 12:52	AMH	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		5	268889	10/14/15 21:44	AMH	TAL BUF
Total/NA	Prep	9012B			269642	10/19/15 13:52	SER	TAL BUF
Total/NA	Analysis	9012B		1	270178	10/21/15 10:17	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: SB-75-8-12-101215
Lab Sample ID: 480-88934-9
Date Collected: 10/12/15 14:39
Matrix: Solid
Date Received: 10/12/15 19:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268361	10/13/15 07:05	CSW	TAL BUF

Client Sample ID: SB-75-8-12-101215
Lab Sample ID: 480-88934-9
Date Collected: 10/12/15 14:39
Matrix: Solid
Date Received: 10/12/15 19:10
Percent Solids: 73.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268660	10/14/15 08:19	CAM	TAL BUF
Total/NA	Analysis	8270D		1	268989	10/15/15 18:40	LMW	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268889	10/14/15 12:56	AMH	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		5	268889	10/14/15 21:47	AMH	TAL BUF
Total/NA	Prep	9012B			269642	10/19/15 13:52	SER	TAL BUF
Total/NA	Analysis	9012B		1	270178	10/21/15 10:18	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Client Sample ID: SB-75-12-16-10125
Lab Sample ID: 480-88934-10
Date Collected: 10/12/15 14:49
Matrix: Solid
Date Received: 10/12/15 19:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268361	10/13/15 07:05	CSW	TAL BUF

Client Sample ID: SB-75-12-16-10125
Lab Sample ID: 480-88934-10
Date Collected: 10/12/15 14:49
Matrix: Solid
Date Received: 10/12/15 19:10
Percent Solids: 25.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268660	10/14/15 08:19	CAM	TAL BUF
Total/NA	Analysis	8270D		5	268989	10/15/15 19:07	LMW	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268889	10/14/15 12:59	AMH	TAL BUF
Total/NA	Prep	9012B			269890	10/20/15 14:35	SER	TAL BUF
Total/NA	Analysis	9012B		1	269953	10/20/15 18:59	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Client Sample ID: SB-75-16-20-101215

Lab Sample ID: 480-88934-11

Date Collected: 10/12/15 15:18

Matrix: Solid

Date Received: 10/12/15 19:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268361	10/13/15 07:05	CSW	TAL BUF

Client Sample ID: SB-75-16-20-101215

Lab Sample ID: 480-88934-11

Date Collected: 10/12/15 15:18

Matrix: Solid

Date Received: 10/12/15 19:10

Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268660	10/14/15 08:19	CAM	TAL BUF
Total/NA	Analysis	8270D		1	268989	10/15/15 19:33	LMW	TAL BUF
Total/NA	Prep	3050B			268494	10/13/15 14:55	CMM	TAL BUF
Total/NA	Analysis	6010C		1	268889	10/14/15 13:02	AMH	TAL BUF
Total/NA	Prep	9012B			269890	10/20/15 14:35	SER	TAL BUF
Total/NA	Analysis	9012B		1	269953	10/20/15 19:02	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: TestAmerica Edison

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
9016	Cyanide, Free	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-88934-1	S8-74-0-4-101215	Solid	10/12/15 09:10	10/12/15 19:10
480-88934-2	S8-74-4-8-101215	Solid	10/12/15 09:32	10/12/15 19:10
480-88934-3	S8-74-8-12-101215	Solid	10/12/15 10:06	10/12/15 19:10
480-88934-4	SB-DUP-1-101215	Solid	10/12/15 10:06	10/12/15 19:10
480-88934-5	SB-74-12-16-101215	Solid	10/12/15 11:26	10/12/15 19:10
480-88934-6	SB-74-16-20-101215	Solid	10/12/15 11:36	10/12/15 19:10
480-88934-7	SB-75-0-4-101215	Solid	10/12/15 14:03	10/12/15 19:10
480-88934-8	SB-75-4-8-101215	Solid	10/12/15 14:28	10/12/15 19:10
480-88934-9	SB-75-8-12-101215	Solid	10/12/15 14:39	10/12/15 19:10
480-88934-10	SB-75-12-16-10125	Solid	10/12/15 14:49	10/12/15 19:10
480-88934-11	SB-75-16-20-101215	Solid	10/12/15 15:18	10/12/15 19:10

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Picunko / Heide Dudek (NYSDEC)	10/12/15	292031
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd.	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110		Brian Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park Parcel 4			
Contract/Purchase Order/Quote No.			
91667 (CDM) / 915193A (NYSDEC)			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270C	TOTAL CN 9012	TAL M. Pb 6010B	Free CN 9016
SB-74-0-4-101215	10/12/15	910				X	3						X	X	X	X
SB-74-4-8-101215	10/12/15	932				X	3						X	X	X	X
SB-74-8-12-101215	10/12/15	1006				X	3						X	X	X	X
SB-DUP-1-101215	10/12/15	1006				X	3						X	X	X	X
SB-74-12-16-101215	10/12/15	1126				X	3						X	X	X	X
SB-74-16-20-101215	10/12/15	1136				X	3						X	X	X	X
SB-75-0-4-101215	10/12/15	1403				X	3						X	X	X	X
SB-75-4-8-101215	10/12/15	1428				X	3						X	X	X	X
SB-75-8-12-101215	10/12/15	1439				X	3						X	X	X	X
SB-75-12-16-101215	10/12/15	1449				X	3						X	X	X	X
SB-75-16-20-101215	10/12/15	1518				X	3						X	X	X	X

480-88934 Chain of Custody

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: LIA ESTRADA	10/12/15	1900	1. Received By: TAB BUFFALO	10/12/15	1910
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

20 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

10/26/2015

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-26289.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-88934-1
Address: 777 New Durham Road,	Due Date Requested: 10/22/2015			Preservation Codes:
City: Edison	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: Buffalo Lakeside #915193A	Project #: 48010749			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8016/9016_ExtPrep	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
S8-74-0-4-101215 (480-88934-1)	10/12/15	09:10 Eastern		Solid			X	1	
S8-74-4-8-101215 (480-88934-2)	10/12/15	09:32 Eastern		Solid			X	1	
S8-74-8-12-101215 (480-88934-3)	10/12/15	10:06 Eastern		Solid			X	1	
SB-DUP-1-101215 (480-88934-4)	10/12/15	10:06 Eastern		Solid			X	1	
SB-74-12-16-101215 (480-88934-5)	10/12/15	11:26 Eastern		Solid			X	1	
SB-74-16-20-101215 (480-88934-6)	10/12/15	11:36 Eastern		Solid			X	1	
SB-75-0-4-101215 (480-88934-7)	10/12/15	14:03 Eastern		Solid			X	1	
SB-75-4-8-101215 (480-88934-8)	10/12/15	14:28 Eastern		Solid			X	1	
SB-75-8-12-101215 (480-88934-9)	10/12/15	14:39 Eastern		Solid			X	1	
SB-75-12-16-10125 (480-88934-10)	10/12/15	14:49 Eastern		Solid			X	1	
SB-75-16-20-101215 (480-88934-11)	10/12/15	15:18 Eastern		Solid			X	1	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: [signature]	Date/Time: 10/14/15 1700	Company: TAB	Received by: FEDEX
Relinquished by:	Date/Time:	Company	Received by: [signature] Date/Time: 10/15/15 1800 Company: TSTA
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 411398	Cooler Temperature(s) °C and Other Remarks: 1.8°/3.8°C THS

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-88934-1

Login Number: 88934 **List Source: TestAmerica Buffalo**
List Number: 1
Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CDM SMITH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-88934-1

Login Number: 88934
List Number: 2
Creator: Villadarez, Gerson Timothy S

List Source: TestAmerica Edison
List Creation: 10/15/15 10:50 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	411398
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8°C IR#5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89011-1
Client Project/Site: Buffalo Lakeside #915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek



Authorized for release by:
10/26/2015 3:51:23 PM

Orlette Johnson, Senior Project Manager
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LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
10/26/2015 3:51:23 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-89011-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89011-1

Receipt
The samples were received on 10/13/2015 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0º C.

Receipt Exceptions
The following sample was received however was not listed on the COC: SS-DUP-101315 (480-89011-7). Information listed on the sample container labels was used for sample login.

Metals
Method(s) 6010C: The Serial Dilution (480-89011-B-4-A SD ^) in batch 480-268757, exhibited results outside the quality control limits for Total Barium, Calcium, Chromium, Manganese, and Zinc. However, the Post Digestion Spike was compliant therefore no corrective action was necessary

Method(s) 6010C: The following samples was diluted due to the presence of Total Iron which interferes with Total Silver, Cadmium, Chromium, Copper, Manganese, Lead, Antimony, Selenium, Nickel, and Vanadium SS-72-101315 (480-89011-1), SS-76-101315 (480-89011-5), SS-77-101315 (480-89011-6) and SS-DUP-101315 (480-89011-7). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method(s) 9045C, 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: SS-72-101315 (480-89011-1), SS-73-101315 (480-89011-2), SS-74-101315 (480-89011-3), SS-75-101315 (480-89011-4), SS-76-101315 (480-89011-5), SS-77-101315 (480-89011-6) and SS-DUP-101315 (480-89011-7).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Client Sample ID: SS-72-101315
Date Collected: 10/13/15 14:00
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-1
Matrix: Solid
Percent Solids: 83.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9330		11.9	5.2	mg/Kg	☼	10/14/15 17:10	10/16/15 01:49	1
Antimony	ND		35.6	0.95	mg/Kg	☼	10/14/15 17:10	10/16/15 12:49	2
Arsenic	16.2		2.4	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 01:49	1
Barium	106		0.59	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 01:49	1
Beryllium	1.6		0.24	0.033	mg/Kg	☼	10/14/15 17:10	10/16/15 01:49	1
Cadmium	2.8		0.47	0.071	mg/Kg	☼	10/14/15 17:10	10/16/15 12:49	2
Calcium	38800	B	59.3	3.9	mg/Kg	☼	10/14/15 17:10	10/16/15 01:49	1
Chromium	121		1.2	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 12:49	2
Cobalt	8.6		0.59	0.059	mg/Kg	☼	10/14/15 17:10	10/16/15 01:49	1
Copper	232		2.4	0.50	mg/Kg	☼	10/14/15 17:10	10/16/15 12:49	2
Iron	162000		23.7	8.3	mg/Kg	☼	10/14/15 17:10	10/16/15 12:49	2
Lead	616		2.4	0.57	mg/Kg	☼	10/14/15 17:10	10/16/15 12:49	2
Magnesium	8280		23.7	1.1	mg/Kg	☼	10/14/15 17:10	10/16/15 01:49	1
Manganese	4020		0.47	0.076	mg/Kg	☼	10/14/15 17:10	10/16/15 12:49	2
Nickel	72.6		11.9	0.55	mg/Kg	☼	10/14/15 17:10	10/16/15 12:49	2
Potassium	1660		35.6	23.7	mg/Kg	☼	10/14/15 17:10	10/16/15 01:49	1
Selenium	1.8	J	9.5	0.95	mg/Kg	☼	10/14/15 17:10	10/16/15 12:49	2
Silver	3.9		1.4	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 12:49	2
Sodium	276		166	15.4	mg/Kg	☼	10/14/15 17:10	10/16/15 01:49	1
Thallium	ND		7.1	0.36	mg/Kg	☼	10/14/15 17:10	10/16/15 01:49	1
Vanadium	30.1		1.2	0.26	mg/Kg	☼	10/14/15 17:10	10/16/15 12:49	2
Zinc	997		2.4	0.76	mg/Kg	☼	10/14/15 17:10	10/16/15 01:49	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.75	HF	0.100	0.100	SU			10/14/15 20:55	1

Client Sample ID: SS-73-101315

Date Collected: 10/13/15 14:16
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-2

Matrix: Solid
Percent Solids: 78.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**22000**		12.0	5.3	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Antimony	ND		18.1	0.48	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Arsenic	**8.1**		2.4	0.48	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Barium	**189**		0.60	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Beryllium	**3.5**		0.24	0.034	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Cadmium	**1.2**		0.24	0.036	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Calcium	**99700**	**B**	60.2	4.0	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Chromium	**23.6**		0.60	0.24	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Cobalt	**5.1**		0.60	0.060	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Copper	**33.7**		1.2	0.25	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Iron	**34100**		12.0	4.2	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Lead	**127**		1.2	0.29	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Magnesium	**11400**		24.1	1.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Manganese	**1260**		0.24	0.039	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Nickel	**17.3**		6.0	0.28	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Potassium	**1800**		36.1	24.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Selenium	**1.3**	**J**	4.8	0.48	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Silver	**0.62**	**J**	0.72	0.24	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Sodium	**399**		169	15.6	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Thallium	ND		7.2	0.36	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Vanadium	**15.8**		0.60	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1
Zinc	**350**		2.4	0.77	mg/Kg	☼	10/14/15 17:10	10/16/15 02:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.78**	**HF**	0.100	0.100	SU			10/14/15 20:55	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Client Sample ID: SS-74-101315
Date Collected: 10/13/15 14:33
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-3
Matrix: Solid
Percent Solids: 90.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14500		11.0	4.8	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Antimony	ND		16.4	0.44	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Arsenic	6.8		2.2	0.44	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Barium	87.4		0.55	0.12	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Beryllium	0.71		0.22	0.031	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Cadmium	0.28		0.22	0.033	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Calcium	43600	B	54.8	3.6	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Chromium	20.1		0.55	0.22	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Cobalt	10.7		0.55	0.055	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Copper	22.7		1.1	0.23	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Iron	21800		11.0	3.8	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Lead	15.5		1.1	0.26	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Magnesium	17200		21.9	1.0	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Manganese	389		0.22	0.035	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Nickel	27.3		5.5	0.25	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Potassium	3750		32.9	21.9	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Selenium	ND		4.4	0.44	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Silver	0.23	J	0.66	0.22	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Sodium	183		153	14.2	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Thallium	ND		6.6	0.33	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Vanadium	28.4		0.55	0.12	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1
Zinc	68.2		2.2	0.70	mg/Kg	☼	10/14/15 17:10	10/16/15 02:05	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.86	HF	0.100	0.100	SU			10/14/15 20:55	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Client Sample ID: SS-75-101315
Date Collected: 10/13/15 14:41
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-4
Matrix: Solid
Percent Solids: 82.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8160	F1	12.0	5.3	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Antimony	ND	F2 F1	18.0	0.48	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Arsenic	4.4		2.4	0.48	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Barium	46.2	F2 F1	0.60	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Beryllium	0.73		0.24	0.034	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Cadmium	0.28		0.24	0.036	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Calcium	116000	F2 B	60.1	4.0	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Chromium	11.3		0.60	0.24	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Cobalt	5.7		0.60	0.060	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Copper	14.9	F2 F1	1.2	0.25	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Iron	14200	F2	12.0	4.2	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Lead	20.8	F2 F1	1.2	0.29	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Magnesium	45400	F2	24.1	1.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Manganese	599	F2	0.24	0.038	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Nickel	16.5		6.0	0.28	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Potassium	2310	F2 F1	36.1	24.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Selenium	ND	F2 F1	4.8	0.48	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Silver	ND		0.72	0.24	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Sodium	237		168	15.6	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Thallium	ND		7.2	0.36	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Vanadium	13.6	F1	0.60	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1
Zinc	47.6	F2 F1	2.4	0.77	mg/Kg	☼	10/14/15 17:10	10/16/15 02:08	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.71	HF	0.100	0.100	SU			10/14/15 20:55	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Client Sample ID: SS-76-101315
Date Collected: 10/13/15 15:04
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-5
Matrix: Solid
Percent Solids: 82.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7470		12.0	5.3	mg/Kg	☼	10/14/15 17:10	10/16/15 02:25	1
Antimony	ND		89.9	2.4	mg/Kg	☼	10/14/15 17:10	10/16/15 12:52	5
Arsenic	18.8		2.4	0.48	mg/Kg	☼	10/14/15 17:10	10/16/15 02:25	1
Barium	84.0		0.60	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:25	1
Beryllium	1.4		0.24	0.034	mg/Kg	☼	10/14/15 17:10	10/16/15 02:25	1
Cadmium	3.3		1.2	0.18	mg/Kg	☼	10/14/15 17:10	10/16/15 12:52	5
Calcium	32600	B	59.9	4.0	mg/Kg	☼	10/14/15 17:10	10/16/15 02:25	1
Chromium	232		3.0	1.2	mg/Kg	☼	10/14/15 17:10	10/16/15 12:52	5
Cobalt	11.8		0.60	0.060	mg/Kg	☼	10/14/15 17:10	10/16/15 02:25	1
Copper	337		6.0	1.3	mg/Kg	☼	10/14/15 17:10	10/16/15 12:52	5
Iron	255000		59.9	21.0	mg/Kg	☼	10/14/15 17:10	10/16/15 12:52	5
Lead	1130		6.0	1.4	mg/Kg	☼	10/14/15 17:10	10/16/15 12:52	5
Magnesium	8400		24.0	1.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:25	1
Manganese	5460		1.2	0.19	mg/Kg	☼	10/14/15 17:10	10/16/15 12:52	5
Nickel	132		30.0	1.4	mg/Kg	☼	10/14/15 17:10	10/16/15 12:52	5
Potassium	1140		35.9	24.0	mg/Kg	☼	10/14/15 17:10	10/16/15 02:25	1
Selenium	6.3	J	24.0	2.4	mg/Kg	☼	10/14/15 17:10	10/16/15 12:52	5
Silver	5.2		3.6	1.2	mg/Kg	☼	10/14/15 17:10	10/16/15 12:52	5
Sodium	151	J	168	15.6	mg/Kg	☼	10/14/15 17:10	10/16/15 02:25	1
Thallium	ND		7.2	0.36	mg/Kg	☼	10/14/15 17:10	10/16/15 02:25	1
Vanadium	34.8		3.0	0.66	mg/Kg	☼	10/14/15 17:10	10/16/15 12:52	5
Zinc	1240		2.4	0.77	mg/Kg	☼	10/14/15 17:10	10/16/15 02:25	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.81	HF	0.100	0.100	SU			10/14/15 20:55	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Client Sample ID: SS-77-101315
Date Collected: 10/13/15 15:10
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-6
Matrix: Solid
Percent Solids: 85.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9880		11.1	4.9	mg/Kg	☼	10/14/15 17:10	10/16/15 02:28	1
Antimony	ND		83.1	2.2	mg/Kg	☼	10/14/15 17:10	10/16/15 12:56	5
Arsenic	14.3		2.2	0.44	mg/Kg	☼	10/14/15 17:10	10/16/15 02:28	1
Barium	121		0.55	0.12	mg/Kg	☼	10/14/15 17:10	10/16/15 02:28	1
Beryllium	2.0		0.22	0.031	mg/Kg	☼	10/14/15 17:10	10/16/15 02:28	1
Cadmium	2.9		1.1	0.17	mg/Kg	☼	10/14/15 17:10	10/16/15 12:56	5
Calcium	45800	B	55.4	3.7	mg/Kg	☼	10/14/15 17:10	10/16/15 02:28	1
Chromium	140		2.8	1.1	mg/Kg	☼	10/14/15 17:10	10/16/15 12:56	5
Cobalt	11.5		0.55	0.055	mg/Kg	☼	10/14/15 17:10	10/16/15 02:28	1
Copper	256		5.5	1.2	mg/Kg	☼	10/14/15 17:10	10/16/15 12:56	5
Iron	184000		55.4	19.4	mg/Kg	☼	10/14/15 17:10	10/16/15 12:56	5
Lead	731		5.5	1.3	mg/Kg	☼	10/14/15 17:10	10/16/15 12:56	5
Magnesium	10800		22.2	1.0	mg/Kg	☼	10/14/15 17:10	10/16/15 02:28	1
Manganese	4250		1.1	0.18	mg/Kg	☼	10/14/15 17:10	10/16/15 12:56	5
Nickel	96.6		27.7	1.3	mg/Kg	☼	10/14/15 17:10	10/16/15 12:56	5
Potassium	1340		33.3	22.2	mg/Kg	☼	10/14/15 17:10	10/16/15 02:28	1
Selenium	3.8	J	22.2	2.2	mg/Kg	☼	10/14/15 17:10	10/16/15 12:56	5
Silver	3.8		3.3	1.1	mg/Kg	☼	10/14/15 17:10	10/16/15 12:56	5
Sodium	301		155	14.4	mg/Kg	☼	10/14/15 17:10	10/16/15 02:28	1
Thallium	0.64	J	6.7	0.33	mg/Kg	☼	10/14/15 17:10	10/16/15 02:28	1
Vanadium	27.5		2.8	0.61	mg/Kg	☼	10/14/15 17:10	10/16/15 12:56	5
Zinc	1140		2.2	0.71	mg/Kg	☼	10/14/15 17:10	10/16/15 02:28	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.88	HF	0.100	0.100	SU			10/14/15 20:55	1

Client Sample ID: SS-DUP-101315

Date Collected: 10/13/15 15:10
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-7

Matrix: Solid
Percent Solids: 84.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14300		11.8	5.2	mg/Kg	☼	10/14/15 17:10	10/16/15 02:41	1
Antimony	ND		35.4	0.94	mg/Kg	☼	10/14/15 17:10	10/16/15 13:08	2
Arsenic	11.2		2.4	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 02:41	1
Barium	130		0.59	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:41	1
Beryllium	2.7		0.24	0.033	mg/Kg	☼	10/14/15 17:10	10/16/15 02:41	1
Cadmium	2.2		0.47	0.071	mg/Kg	☼	10/14/15 17:10	10/16/15 13:08	2
Calcium	62000	B	59.0	3.9	mg/Kg	☼	10/14/15 17:10	10/16/15 02:41	1
Chromium	88.6		1.2	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 13:08	2
Cobalt	7.6		0.59	0.059	mg/Kg	☼	10/14/15 17:10	10/16/15 02:41	1
Copper	189		2.4	0.50	mg/Kg	☼	10/14/15 17:10	10/16/15 13:08	2
Iron	139000		23.6	8.3	mg/Kg	☼	10/14/15 17:10	10/16/15 13:08	2
Lead	578		2.4	0.57	mg/Kg	☼	10/14/15 17:10	10/16/15 13:08	2
Magnesium	18900		23.6	1.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:41	1
Manganese	3820		0.47	0.076	mg/Kg	☼	10/14/15 17:10	10/16/15 13:08	2
Nickel	57.1		11.8	0.54	mg/Kg	☼	10/14/15 17:10	10/16/15 13:08	2
Potassium	1550		35.4	23.6	mg/Kg	☼	10/14/15 17:10	10/16/15 02:41	1
Selenium	3.1	J	9.4	0.94	mg/Kg	☼	10/14/15 17:10	10/16/15 13:08	2
Silver	3.0		1.4	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 13:08	2
Sodium	419		165	15.3	mg/Kg	☼	10/14/15 17:10	10/16/15 02:41	1
Thallium	0.62	J	7.1	0.35	mg/Kg	☼	10/14/15 17:10	10/16/15 02:41	1
Vanadium	22.6		1.2	0.26	mg/Kg	☼	10/14/15 17:10	10/16/15 13:08	2
Zinc	844		2.4	0.76	mg/Kg	☼	10/14/15 17:10	10/16/15 02:41	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.89	HF	0.100	0.100	SU			10/14/15 20:55	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Client Sample ID: SS-72-101315
Date Collected: 10/13/15 14:00
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	268854	10/14/15 20:55	MGH	TAL BUF
Total/NA	Analysis	Moisture		1	268599	10/13/15 23:02	CMK	TAL BUF

Client Sample ID: SS-72-101315
Date Collected: 10/13/15 14:00
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-1
Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269169	10/16/15 01:49	SLB	TAL BUF
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		2	269305	10/16/15 12:49	SLB	TAL BUF

Client Sample ID: SS-73-101315
Date Collected: 10/13/15 14:16
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	268854	10/14/15 20:55	MGH	TAL BUF
Total/NA	Analysis	Moisture		1	268599	10/13/15 23:02	CMK	TAL BUF

Client Sample ID: SS-73-101315
Date Collected: 10/13/15 14:16
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-2
Matrix: Solid
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269169	10/16/15 02:02	SLB	TAL BUF

Client Sample ID: SS-74-101315
Date Collected: 10/13/15 14:33
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	268854	10/14/15 20:55	MGH	TAL BUF
Total/NA	Analysis	Moisture		1	268599	10/13/15 23:02	CMK	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Client Sample ID: SS-74-101315
Date Collected: 10/13/15 14:33
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-3
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269169	10/16/15 02:05	SLB	TAL BUF

Client Sample ID: SS-75-101315
Date Collected: 10/13/15 14:41
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	268854	10/14/15 20:55	MGH	TAL BUF
Total/NA	Analysis	Moisture		1	268599	10/13/15 23:02	CMK	TAL BUF

Client Sample ID: SS-75-101315
Date Collected: 10/13/15 14:41
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-4
Matrix: Solid
Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269169	10/16/15 02:08	SLB	TAL BUF

Client Sample ID: SS-76-101315
Date Collected: 10/13/15 15:04
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	268854	10/14/15 20:55	MGH	TAL BUF
Total/NA	Analysis	Moisture		1	268599	10/13/15 23:02	CMK	TAL BUF

Client Sample ID: SS-76-101315
Date Collected: 10/13/15 15:04
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-5
Matrix: Solid
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269169	10/16/15 02:25	SLB	TAL BUF
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		5	269305	10/16/15 12:52	SLB	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Client Sample ID: SS-77-101315
Date Collected: 10/13/15 15:10
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	268854	10/14/15 20:55	MGH	TAL BUF
Total/NA	Analysis	Moisture		1	268599	10/13/15 23:02	CMK	TAL BUF

Client Sample ID: SS-77-101315
Date Collected: 10/13/15 15:10
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-6
Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269169	10/16/15 02:28	SLB	TAL BUF
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		5	269305	10/16/15 12:56	SLB	TAL BUF

Client Sample ID: SS-DUP-101315
Date Collected: 10/13/15 15:10
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	268854	10/14/15 20:55	MGH	TAL BUF
Total/NA	Analysis	Moisture		1	268599	10/13/15 23:02	CMK	TAL BUF

Client Sample ID: SS-DUP-101315
Date Collected: 10/13/15 15:10
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89011-7
Matrix: Solid
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269169	10/16/15 02:41	SLB	TAL BUF
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		2	269305	10/16/15 13:08	SLB	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
9045D	pH	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89011-1	SS-72-101315	Solid	10/13/15 14:00	10/13/15 16:50
480-89011-2	SS-73-101315	Solid	10/13/15 14:16	10/13/15 16:50
480-89011-3	SS-74-101315	Solid	10/13/15 14:33	10/13/15 16:50
480-89011-4	SS-75-101315	Solid	10/13/15 14:41	10/13/15 16:50
480-89011-5	SS-76-101315	Solid	10/13/15 15:04	10/13/15 16:50
480-89011-6	SS-77-101315	Solid	10/13/15 15:10	10/13/15 16:50
480-89011-7	SS-DUP-101315	Solid	10/13/15 15:10	10/13/15 16:50

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

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TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith – NYSDEC	Amy Dicnas – Heide Dudek		292033
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd.	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110	LIA ESTRADA 3701 631-455-		
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park Parcel 4			
Contract/Purchase Order/Quote No.			
91667 (CDM) – 915193A (DEC)			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TAL M. 6010C	pH – 9045D	Special Instructions/ Conditions of Receipt
SS-72-101315	10/13/15	1400				X	2						X	X	
SS-73-101315	10/13/15	1416				X	2						X	X	
SS-74-101315	10/13/15	1433				X	2						X	X	
SS-75-101315	10/13/15	1441				X	2						X	X	
SS-MS-101315	10/13/15	1441				X	2						X	X	
SS-MSD-101315	10/13/15	1441				X	2						X	X	
SS-76-101315	10/13/15	1504				X	2						X	X	
SS-77-101315	10/13/15	1510				X	2						X	X	

480-89011 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: LIA ESTRADA	10/13/15	1614
2. Relinquished By:	10/13/15	16:50
3. Relinquished By:		
1. Received By:	10/13/15	16:18
2. Received By:	10/13/15	1650
3. Received By:		

Comments: Temp 5.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-89011-1

Login Number: 89011 **List Source: TestAmerica Buffalo**
List Number: 1
Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	No: Received extra samples not listed on COC.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CDM SMITH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89012-1
Client Project/Site: Buffalo Lakeside #915193A PIN

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Authorized for release by:
10/27/2015 2:13:40 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
10/27/2015 2:13:40 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A PIN

TestAmerica Job ID: 480-89012-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
N	Presumptive evidence of material.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

General Chemistry

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A PIN

TestAmerica Job ID: 480-89012-1

Job ID: 480-89012-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89012-1

Receipt
The samples were received on 10/13/2015 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0º C.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-269161 recovered above the upper control limit for Benzaldehyde. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: SB-76-0-4-101315 (480-89012-1), SB-76-4-8-101315 (480-89012-2), SB-76-8-12-101315 (480-89012-3), SB-76-12-16-101315 (480-89012-4) and SB-76-16-20-101315 (480-89012-5).

Method(s) 8270D: The following samples were diluted due to appearance and viscosity: SB-76-0-4-101315 (480-89012-1). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The laboratory control sample (LCS) for batch preparation batch 480-268902 and analytical batch 480-269161 recovered outside control limits for the following analytes: Benzaldehyde. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The following samples was diluted due to the presence of Total Iron which interferes with Total Silver, Cadmium, Chromium, Copper, Manganese, Lead, Antimony, Selenium, Nickel, and Vanadium SB-76-0-4-101315 (480-89012-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method(s) 9012B: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-270110 and analytical batch 480-270211 recovered within the control limits provided from the manufacturer for the following analytes: Cyanide, Total. The data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method(s) 3550C: The following samples:SB-76-16-20-101315 (480-89012-5[MS]) were decanted prior to preparation .

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample ID: SB-76-0-4-101315
Date Collected: 10/13/15 09:03
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-1
Matrix: Solid
Percent Solids: 80.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		1100	290	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
2,4,6-Trichlorophenol	ND		1100	210	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
2,4-Dichlorophenol	ND		1100	110	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
2,4-Dimethylphenol	ND		1100	260	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
2,4-Dinitrophenol	ND		10000	4900	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
2,4-Dinitrotoluene	ND		1100	220	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
2,6-Dinitrotoluene	ND		1100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
2-Chloronaphthalene	ND		1100	170	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
2-Chlorophenol	ND		1100	190	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
2-Methylnaphthalene	ND		1100	210	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
2-Methylphenol	ND		1100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
2-Nitroaniline	ND		2100	160	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
2-Nitrophenol	ND		1100	300	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
3,3'-Dichlorobenzidine	ND		2100	1200	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
3-Nitroaniline	ND		2100	290	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
4,6-Dinitro-2-methylphenol	ND		2100	1100	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
4-Bromophenyl phenyl ether	ND		1100	150	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
4-Chloro-3-methylphenol	ND		1100	260	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
4-Chloroaniline	ND		1100	260	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
4-Chlorophenyl phenyl ether	ND		1100	130	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
4-Methylphenol	ND		2100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
4-Nitroaniline	ND		2100	550	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
4-Nitrophenol	ND		2100	740	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Acenaphthene	ND		1100	160	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Acenaphthylene	**210**	**J**	1100	140	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Acetophenone	ND		1100	140	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Anthracene	**440**	**J**	1100	260	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Atrazine	ND		1100	370	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Benzaldehyde	ND	*	1100	840	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Benzo(a)anthracene	**3300**		1100	110	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Benzo(a)pyrene	**2700**		1100	160	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Benzo(b)fluoranthene	**3600**		1100	170	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Benzo(g,h,i)perylene	**1700**		1100	110	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Benzo(k)fluoranthene	**1800**		1100	140	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Biphenyl	ND		1100	160	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
bis (2-chloroisopropyl) ether	ND		1100	210	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Bis(2-chloroethoxy)methane	ND		1100	220	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Bis(2-chloroethyl)ether	ND		1100	140	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Bis(2-ethylhexyl) phthalate	ND		1100	360	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Butyl benzyl phthalate	ND		1100	170	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Caprolactam	ND		1100	320	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Carbazole	ND		1100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Chrysene	**2900**		1100	240	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Dibenz(a,h)anthracene	ND		1100	190	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Dibenzofuran	ND		1100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Diethyl phthalate	ND		1100	140	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Dimethyl phthalate	ND		1100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Di-n-butyl phthalate	ND		1100	180	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Di-n-octyl phthalate	ND		1100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5

Client Sample ID: SB-76-0-4-101315
Date Collected: 10/13/15 09:03
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-1
Matrix: Solid
Percent Solids: 80.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**6700**		1100	110	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Fluorene	ND		1100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Hexachlorobenzene	ND		1100	140	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Hexachlorobutadiene	ND		1100	160	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Hexachlorocyclopentadiene	ND		1100	140	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Hexachloroethane	ND		1100	140	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Indeno(1,2,3-cd)pyrene	**1600**		1100	130	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Isophorone	ND		1100	220	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Naphthalene	**150**	**J**	1100	140	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Nitrobenzene	ND		1100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
N-Nitrosodi-n-propylamine	ND		1100	180	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
N-Nitrosodiphenylamine	ND		1100	860	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Pentachlorophenol	ND		2100	1100	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Phenanthrene	**960**	**J**	1100	160	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Phenol	ND		1100	160	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5
Pyrene	**6000**		1100	120	ug/Kg	☼	10/15/15 07:51	10/16/15 11:59	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*1.52*		*10/15/15 07:51*	*10/16/15 11:59*	*5*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*1.60*		*10/15/15 07:51*	*10/16/15 11:59*	*5*
Unknown	*1300*	*T J*	*ug/Kg*	☼	*11.93*		*10/15/15 07:51*	*10/16/15 11:59*	*5*
Unknown	*970*	*T J*	*ug/Kg*	☼	*15.59*		*10/15/15 07:51*	*10/16/15 11:59*	*5*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*15.95*		*10/15/15 07:51*	*10/16/15 11:59*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*39 - 146*	*10/15/15 07:51*	*10/16/15 11:59*	*5*
2-Fluorobiphenyl	*71*		*37 - 120*	*10/15/15 07:51*	*10/16/15 11:59*	*5*
2-Fluorophenol	*58*		*18 - 120*	*10/15/15 07:51*	*10/16/15 11:59*	*5*
Nitrobenzene-d5	*88*		*34 - 132*	*10/15/15 07:51*	*10/16/15 11:59*	*5*
Phenol-d5	*80*		*11 - 120*	*10/15/15 07:51*	*10/16/15 11:59*	*5*
p-Terphenyl-d14	*88*		*65 - 153*	*10/15/15 07:51*	*10/16/15 11:59*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12100**		12.3	5.4	mg/Kg	☼	10/14/15 17:10	10/16/15 02:44	1
Antimony	ND		36.8	0.98	mg/Kg	☼	10/14/15 17:10	10/16/15 13:12	2
Arsenic	**18.9**		2.5	0.49	mg/Kg	☼	10/14/15 17:10	10/16/15 02:44	1
Barium	**125**		0.61	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:44	1
Beryllium	**2.8**		0.25	0.034	mg/Kg	☼	10/14/15 17:10	10/16/15 02:44	1
Cadmium	**2.2**		0.49	0.074	mg/Kg	☼	10/14/15 17:10	10/16/15 13:12	2
Calcium	**68400**	**B**	61.3	4.0	mg/Kg	☼	10/14/15 17:10	10/16/15 02:44	1
Chromium	**90.4**		1.2	0.49	mg/Kg	☼	10/14/15 17:10	10/16/15 13:12	2
Cobalt	**6.9**		0.61	0.061	mg/Kg	☼	10/14/15 17:10	10/16/15 02:44	1
Copper	**546**		2.5	0.52	mg/Kg	☼	10/14/15 17:10	10/16/15 13:12	2
Iron	**165000**		24.5	8.6	mg/Kg	☼	10/14/15 17:10	10/16/15 13:12	2
Lead	**399**		2.5	0.59	mg/Kg	☼	10/14/15 17:10	10/16/15 13:12	2
Magnesium	**14300**		24.5	1.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:44	1
Manganese	**4640**		0.49	0.079	mg/Kg	☼	10/14/15 17:10	10/16/15 13:12	2
Nickel	**42.1**		12.3	0.56	mg/Kg	☼	10/14/15 17:10	10/16/15 13:12	2
Potassium	**1840**		36.8	24.5	mg/Kg	☼	10/14/15 17:10	10/16/15 02:44	1

Client Sample ID: SB-76-0-4-101315
Date Collected: 10/13/15 09:03
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-1
Matrix: Solid
Percent Solids: 80.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	2.7	J	9.8	0.98	mg/Kg	☼	10/14/15 17:10	10/16/15 13:12	2
Silver	3.3		1.5	0.49	mg/Kg	☼	10/14/15 17:10	10/16/15 13:12	2
Sodium	239		172	15.9	mg/Kg	☼	10/14/15 17:10	10/16/15 02:44	1
Thallium	0.77	J	7.4	0.37	mg/Kg	☼	10/14/15 17:10	10/16/15 02:44	1
Vanadium	29.1		1.2	0.27	mg/Kg	☼	10/14/15 17:10	10/16/15 13:12	2
Zinc	749		2.5	0.79	mg/Kg	☼	10/14/15 17:10	10/16/15 02:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	4.1	*	1.2	0.59	mg/Kg	☼	10/21/15 10:40	10/21/15 16:49	1
Cyanide, Free	ND		2.4	0.40	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client Sample ID: SB-76-4-8-101315

Date Collected: 10/13/15 09:22
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-2

Matrix: Solid
Percent Solids: 83.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		200	55	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
2,4,6-Trichlorophenol	ND		200	40	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
2,4-Dichlorophenol	ND		200	21	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
2,4-Dimethylphenol	ND		200	49	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
2,4-Dinitrophenol	ND		2000	930	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
2,4-Dinitrotoluene	ND		200	42	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
2-Chloronaphthalene	ND		200	33	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
2-Chlorophenol	ND		200	37	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
2-Methylnaphthalene	ND		200	40	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
2-Methylphenol	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
2-Nitroaniline	ND		390	30	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
2-Nitrophenol	ND		200	57	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
3,3'-Dichlorobenzidine	ND		390	240	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
3-Nitroaniline	ND		390	56	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
4,6-Dinitro-2-methylphenol	ND		390	200	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
4-Bromophenyl phenyl ether	ND		200	28	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
4-Chloro-3-methylphenol	ND		200	50	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
4-Chloroaniline	ND		200	50	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
4-Methylphenol	ND		390	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
4-Nitroaniline	ND		390	110	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
4-Nitrophenol	ND		390	140	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Acenaphthene	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Acenaphthylene	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Acetophenone	ND		200	27	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Anthracene	ND		200	50	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Atrazine	ND		200	70	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Benzaldehyde	ND	*	200	160	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Benzo(a)anthracene	**44**	**J**	200	20	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Benzo(a)pyrene	**51**	**J**	200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Benzo(b)fluoranthene	**67**	**J**	200	32	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Benzo(g,h,i)perylene	**65**	**J**	200	21	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Benzo(k)fluoranthene	**35**	**J**	200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Biphenyl	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Bis(2-chloroethoxy)methane	ND		200	43	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Bis(2-ethylhexyl) phthalate	ND		200	69	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Butyl benzyl phthalate	ND		200	33	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Caprolactam	ND		200	60	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Carbazole	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Chrysene	**47**	**J**	200	45	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Dibenz(a,h)anthracene	ND		200	36	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Dibenzofuran	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Dimethyl phthalate	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Di-n-butyl phthalate	ND		200	34	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1

Client Sample ID: SB-76-4-8-101315
Date Collected: 10/13/15 09:22
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-2
Matrix: Solid
Percent Solids: 83.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**47**	**J**	200	21	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Fluorene	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Hexachlorobenzene	ND		200	27	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Hexachlorocyclopentadiene	ND		200	27	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Hexachloroethane	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Indeno(1,2,3-cd)pyrene	**64**	**J**	200	25	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Isophorone	ND		200	43	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Naphthalene	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Nitrobenzene	ND		200	23	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
N-Nitrosodi-n-propylamine	ND		200	34	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
N-Nitrosodiphenylamine	ND		200	160	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Pentachlorophenol	ND		390	200	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Phenanthrene	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Phenol	ND		200	31	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1
Pyrene	**45**	**J**	200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*910*	*T J*	*ug/Kg*	☼	*1.52*		*10/15/15 07:51*	*10/16/15 12:26*	*1*
Unknown	*530*	*T J*	*ug/Kg*	☼	*1.59*		*10/15/15 07:51*	*10/16/15 12:26*	*1*
Unknown	*920*	*T J*	*ug/Kg*	☼	*3.94*		*10/15/15 07:51*	*10/16/15 12:26*	*1*
Ethane, 1,1,2,2-tetrachloro-	*320*	*T J N*	*ug/Kg*	☼	*5.05*	*79-34-5*	*10/15/15 07:51*	*10/16/15 12:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*43*		*39 - 146*	*10/15/15 07:51*	*10/16/15 12:26*	*1*
2-Fluorobiphenyl	*84*		*37 - 120*	*10/15/15 07:51*	*10/16/15 12:26*	*1*
2-Fluorophenol	*77*		*18 - 120*	*10/15/15 07:51*	*10/16/15 12:26*	*1*
Nitrobenzene-d5	*66*		*34 - 132*	*10/15/15 07:51*	*10/16/15 12:26*	*1*
Phenol-d5	*87*		*11 - 120*	*10/15/15 07:51*	*10/16/15 12:26*	*1*
p-Terphenyl-d14	*92*		*65 - 153*	*10/15/15 07:51*	*10/16/15 12:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26700**		11.6	5.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Antimony	ND		17.4	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Arsenic	**10.5**		2.3	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Barium	**203**		0.58	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Beryllium	**4.4**		0.23	0.033	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Cadmium	**0.31**		0.23	0.035	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Calcium	**114000**	**B**	58.2	3.8	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Chromium	**13.3**		0.58	0.23	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Cobalt	**4.2**		0.58	0.058	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Copper	**29.3**		1.2	0.24	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Iron	**37500**		11.6	4.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Lead	**84.7**		1.2	0.28	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Magnesium	**4360**		23.3	1.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Manganese	**1530**		0.23	0.037	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Nickel	**16.2**		5.8	0.27	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Potassium	**1100**		34.9	23.3	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Selenium	**3.5**	**J**	4.7	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A PIN

TestAmerica Job ID: 480-89012-1

Client Sample ID: SB-76-4-8-101315
Date Collected: 10/13/15 09:22
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-2
Matrix: Solid
Percent Solids: 83.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.70	0.23	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Sodium	**627**		163	15.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Thallium	ND		7.0	0.35	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Vanadium	**12.8**		0.58	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1
Zinc	**107**		2.3	0.74	mg/Kg	☼	10/14/15 17:10	10/16/15 02:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**15.5**	*	1.2	0.57	mg/Kg	☼	10/21/15 10:40	10/21/15 16:50	1
Cyanide, Free	ND		2.2	0.37	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client Sample ID: SB-76-8-12-101315
Date Collected: 10/13/15 09:35
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-3
Matrix: Solid
Percent Solids: 82.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		200	55	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
2,4,6-Trichlorophenol	ND		200	40	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
2,4-Dichlorophenol	ND		200	21	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
2,4-Dimethylphenol	ND		200	49	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
2,4-Dinitrophenol	ND		2000	930	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
2,4-Dinitrotoluene	ND		200	42	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
2-Chloronaphthalene	ND		200	33	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
2-Chlorophenol	ND		200	37	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
2-Methylnaphthalene	ND		200	40	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
2-Methylphenol	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
2-Nitroaniline	ND		390	30	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
2-Nitrophenol	ND		200	57	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
3,3'-Dichlorobenzidine	ND		390	240	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
3-Nitroaniline	ND		390	56	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
4,6-Dinitro-2-methylphenol	ND		390	200	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
4-Bromophenyl phenyl ether	ND		200	28	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
4-Chloro-3-methylphenol	ND		200	50	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
4-Chloroaniline	ND		200	50	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
4-Methylphenol	ND		390	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
4-Nitroaniline	ND		390	110	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
4-Nitrophenol	ND		390	140	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Acenaphthene	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Acenaphthylene	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Acetophenone	ND		200	27	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Anthracene	ND		200	50	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Atrazine	ND		200	70	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Benzaldehyde	ND	*	200	160	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Benzo(a)anthracene	ND		200	20	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Benzo(a)pyrene	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Benzo(b)fluoranthene	ND		200	32	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Benzo(g,h,i)perylene	ND		200	21	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Benzo(k)fluoranthene	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Biphenyl	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Bis(2-chloroethoxy)methane	ND		200	43	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Bis(2-ethylhexyl) phthalate	ND		200	69	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Butyl benzyl phthalate	ND		200	33	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Caprolactam	ND		200	61	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Carbazole	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Chrysene	ND		200	45	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Dibenz(a,h)anthracene	ND		200	36	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Dibenzofuran	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Dimethyl phthalate	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Di-n-butyl phthalate	ND		200	34	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1

Client Sample ID: SB-76-8-12-101315
Date Collected: 10/13/15 09:35
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-3
Matrix: Solid
Percent Solids: 82.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		200	21	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Fluorene	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Hexachlorobenzene	ND		200	27	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Hexachlorocyclopentadiene	ND		200	27	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Hexachloroethane	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Indeno(1,2,3-cd)pyrene	ND		200	25	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Isophorone	ND		200	43	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Naphthalene	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Nitrobenzene	ND		200	23	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
N-Nitrosodi-n-propylamine	ND		200	34	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
N-Nitrosodiphenylamine	ND		200	160	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Pentachlorophenol	ND		390	200	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Phenanthrene	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Phenol	ND		200	31	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1
Pyrene	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 12:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*860*	*T J*	*ug/Kg*	☼	*1.52*		*10/15/15 07:51*	*10/16/15 12:52*	*1*
Unknown	*700*	*T J*	*ug/Kg*	☼	*1.60*		*10/15/15 07:51*	*10/16/15 12:52*	*1*
Unknown	*560*	*T J*	*ug/Kg*	☼	*3.94*		*10/15/15 07:51*	*10/16/15 12:52*	*1*
Ethane, 1,1,2,2-tetrachloro-	*230*	*T J N*	*ug/Kg*	☼	*5.05*	*79-34-5*	*10/15/15 07:51*	*10/16/15 12:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*55*		*39 - 146*	*10/15/15 07:51*	*10/16/15 12:52*	*1*
2-Fluorobiphenyl	*63*		*37 - 120*	*10/15/15 07:51*	*10/16/15 12:52*	*1*
2-Fluorophenol	*62*		*18 - 120*	*10/15/15 07:51*	*10/16/15 12:52*	*1*
Nitrobenzene-d5	*57*		*34 - 132*	*10/15/15 07:51*	*10/16/15 12:52*	*1*
Phenol-d5	*65*		*11 - 120*	*10/15/15 07:51*	*10/16/15 12:52*	*1*
p-Terphenyl-d14	*89*		*65 - 153*	*10/15/15 07:51*	*10/16/15 12:52*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**37000**		11.8	5.2	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Antimony	ND		17.7	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Arsenic	**4.5**		2.4	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Barium	**229**		0.59	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Beryllium	**6.8**		0.24	0.033	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Cadmium	**0.091**	**J**	0.24	0.035	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Calcium	**146000**	**B**	59.0	3.9	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Chromium	**3.5**		0.59	0.24	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Cobalt	**1.4**		0.59	0.059	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Copper	ND		1.2	0.25	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Iron	**6100**		11.8	4.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Lead	**6.1**		1.2	0.28	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Magnesium	**5390**		23.6	1.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Manganese	**1430**		0.24	0.038	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Nickel	**3.1**	**J**	5.9	0.27	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Potassium	**1200**		35.4	23.6	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Selenium	**2.5**	**J**	4.7	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1

Client Sample ID: SB-76-8-12-101315
Date Collected: 10/13/15 09:35
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-3
Matrix: Solid
Percent Solids: 82.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.71	0.24	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Sodium	**626**		165	15.4	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Thallium	ND		7.1	0.35	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Vanadium	**6.4**		0.59	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1
Zinc	**14.3**		2.4	0.76	mg/Kg	☼	10/14/15 17:10	10/16/15 02:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.96**	**J ***	1.2	0.57	mg/Kg	☼	10/21/15 10:40	10/21/15 16:55	1
Cyanide, Free	ND		2.5	0.42	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client Sample ID: SB-76-12-16-101315
Date Collected: 10/13/15 09:53
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-4
Matrix: Solid
Percent Solids: 84.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		200	54	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
2,4,6-Trichlorophenol	ND		200	40	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
2,4-Dichlorophenol	ND		200	21	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
2,4-Dimethylphenol	ND		200	48	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
2,4-Dinitrophenol	ND		1900	920	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
2,4-Dinitrotoluene	ND		200	41	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
2,6-Dinitrotoluene	ND		200	23	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
2-Chloronaphthalene	ND		200	33	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
2-Chlorophenol	ND		200	36	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
2-Methylnaphthalene	ND		200	40	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
2-Methylphenol	ND		200	23	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
2-Nitroaniline	ND		390	29	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
2-Nitrophenol	ND		200	56	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
3,3'-Dichlorobenzidine	ND		390	230	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
3-Nitroaniline	ND		390	55	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
4,6-Dinitro-2-methylphenol	ND		390	200	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
4-Bromophenyl phenyl ether	ND		200	28	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
4-Chloro-3-methylphenol	ND		200	49	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
4-Chloroaniline	ND		200	49	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
4-Methylphenol	ND		390	23	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
4-Nitroaniline	ND		390	100	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
4-Nitrophenol	ND		390	140	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Acenaphthene	ND		200	29	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Acenaphthylene	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Acetophenone	ND		200	27	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Anthracene	ND		200	49	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Atrazine	ND		200	69	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Benzaldehyde	ND	*	200	160	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Benzo(a)anthracene	ND		200	20	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Benzo(a)pyrene	ND		200	29	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Benzo(b)fluoranthene	ND		200	32	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Benzo(g,h,i)perylene	ND		200	21	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Benzo(k)fluoranthene	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Biphenyl	ND		200	29	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Bis(2-chloroethoxy)methane	ND		200	42	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Bis(2-ethylhexyl) phthalate	ND		200	68	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Butyl benzyl phthalate	ND		200	33	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Caprolactam	ND		200	60	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Carbazole	ND		200	23	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Chrysene	ND		200	45	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Dibenz(a,h)anthracene	ND		200	35	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Dibenzofuran	ND		200	23	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Dimethyl phthalate	ND		200	23	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Di-n-butyl phthalate	ND		200	34	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Di-n-octyl phthalate	ND		200	23	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1

Client Sample ID: SB-76-12-16-101315
Date Collected: 10/13/15 09:53
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-4
Matrix: Solid
Percent Solids: 84.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		200	21	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Fluorene	ND		200	23	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Hexachlorobenzene	ND		200	27	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Hexachlorocyclopentadiene	ND		200	27	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Hexachloroethane	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Indeno(1,2,3-cd)pyrene	ND		200	25	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Isophorone	ND		200	42	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Naphthalene	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Nitrobenzene	ND		200	22	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
N-Nitrosodi-n-propylamine	ND		200	34	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
N-Nitrosodiphenylamine	ND		200	160	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Pentachlorophenol	ND		390	200	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Phenanthrene	ND		200	29	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Phenol	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1
Pyrene	ND		200	23	ug/Kg	☼	10/15/15 07:51	10/16/15 13:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*970*	*T J*	*ug/Kg*	☼	*1.53*		*10/15/15 07:51*	*10/16/15 13:19*	*1*
Unknown	*370*	*T J*	*ug/Kg*	☼	*1.60*		*10/15/15 07:51*	*10/16/15 13:19*	*1*
Unknown	*650*	*T J*	*ug/Kg*	☼	*3.96*		*10/15/15 07:51*	*10/16/15 13:19*	*1*
1-Heptadecene	*520*	*T J N*	*ug/Kg*	☼	*13.55*	*6765-39-5*	*10/15/15 07:51*	*10/16/15 13:19*	*1*
1-Docosene	*860*	*T J N*	*ug/Kg*	☼	*14.11*	*1599-67-3*	*10/15/15 07:51*	*10/16/15 13:19*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*14.66*		*10/15/15 07:51*	*10/16/15 13:19*	*1*
Unknown	*280*	*T J*	*ug/Kg*	☼	*18.30*		*10/15/15 07:51*	*10/16/15 13:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*39 - 146*	*10/15/15 07:51*	*10/16/15 13:19*	*1*
2-Fluorobiphenyl	*71*		*37 - 120*	*10/15/15 07:51*	*10/16/15 13:19*	*1*
2-Fluorophenol	*80*		*18 - 120*	*10/15/15 07:51*	*10/16/15 13:19*	*1*
Nitrobenzene-d5	*72*		*34 - 132*	*10/15/15 07:51*	*10/16/15 13:19*	*1*
Phenol-d5	*75*		*11 - 120*	*10/15/15 07:51*	*10/16/15 13:19*	*1*
p-Terphenyl-d14	*82*		*65 - 153*	*10/15/15 07:51*	*10/16/15 13:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5700**		11.9	5.2	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Antimony	ND		17.8	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Arsenic	**2.8**		2.4	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Barium	**27.6**		0.59	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Beryllium	**0.41**		0.24	0.033	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Cadmium	**0.095**	**J**	0.24	0.036	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Calcium	**3900**	**B**	59.3	3.9	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Chromium	**8.6**		0.59	0.24	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Cobalt	**7.5**		0.59	0.059	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Copper	**16.7**		1.2	0.25	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Iron	**8490**		11.9	4.2	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Lead	**7.9**		1.2	0.28	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Magnesium	**1810**		23.7	1.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Manganese	**88.4**		0.24	0.038	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A PIN

TestAmerica Job ID: 480-89012-1

Client Sample ID: SB-76-12-16-101315
Date Collected: 10/13/15 09:53
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-4
Matrix: Solid
Percent Solids: 84.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	23.9		5.9	0.27	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Potassium	1010		35.6	23.7	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Selenium	0.67	J	4.7	0.47	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Silver	ND		0.71	0.24	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Sodium	87.4	J	166	15.4	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Thallium	ND		7.1	0.36	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Vanadium	17.4		0.59	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1
Zinc	34.1		2.4	0.76	mg/Kg	☼	10/14/15 17:10	10/16/15 02:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	*	1.2	0.56	mg/Kg	☼	10/21/15 10:40	10/21/15 16:56	1
Cyanide, Free	ND		2.5	0.41	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Client Sample ID: SB-76-16-20-101315
Date Collected: 10/13/15 10:10
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-5
Matrix: Solid
Percent Solids: 81.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		200	55	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
2,4,6-Trichlorophenol	ND		200	41	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
2,4-Dichlorophenol	ND		200	22	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
2,4-Dimethylphenol	ND		200	49	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
2,4-Dinitrophenol	ND		2000	940	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
2,4-Dinitrotoluene	ND		200	42	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
2-Chloronaphthalene	ND		200	34	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
2-Chlorophenol	ND		200	37	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
2-Methylnaphthalene	ND		200	41	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
2-Methylphenol	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
2-Nitroaniline	ND		400	30	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
2-Nitrophenol	ND		200	57	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
3,3'-Dichlorobenzidine	ND		400	240	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
3-Nitroaniline	ND		400	56	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
4,6-Dinitro-2-methylphenol	ND		400	200	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
4-Bromophenyl phenyl ether	ND		200	29	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
4-Chloro-3-methylphenol	ND		200	50	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
4-Chloroaniline	ND		200	50	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
4-Methylphenol	ND		400	24	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
4-Nitroaniline	ND		400	110	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
4-Nitrophenol	ND		400	140	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Acenaphthene	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Acenaphthylene	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Acetophenone	ND		200	28	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Anthracene	ND		200	50	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Atrazine	ND		200	71	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Benzaldehyde	ND	F1 *	200	160	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Benzo(a)anthracene	ND		200	20	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Benzo(a)pyrene	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Benzo(b)fluoranthene	ND		200	32	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Benzo(g,h,i)perylene	ND		200	22	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Benzo(k)fluoranthene	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Biphenyl	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Bis(2-chloroethoxy)methane	ND		200	43	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Bis(2-ethylhexyl) phthalate	ND		200	69	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Butyl benzyl phthalate	ND		200	34	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Caprolactam	ND		200	61	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Carbazole	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Chrysene	ND		200	46	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Dibenz(a,h)anthracene	ND		200	36	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Dibenzofuran	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Dimethyl phthalate	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Di-n-butyl phthalate	ND		200	35	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1

Client Sample ID: SB-76-16-20-101315
Date Collected: 10/13/15 10:10
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-5
Matrix: Solid
Percent Solids: 81.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		200	22	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Fluorene	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Hexachlorobenzene	ND		200	28	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Hexachlorocyclopentadiene	ND		200	28	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Hexachloroethane	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Indeno(1,2,3-cd)pyrene	ND		200	25	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Isophorone	ND		200	43	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Naphthalene	ND		200	26	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Nitrobenzene	ND		200	23	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
N-Nitrosodi-n-propylamine	ND		200	35	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
N-Nitrosodiphenylamine	ND		200	170	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Pentachlorophenol	ND		400	200	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Phenanthrene	ND		200	30	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Phenol	ND		200	31	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1
Pyrene	ND		200	24	ug/Kg	☼	10/15/15 07:51	10/16/15 13:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*1100*	*T J*	*ug/Kg*	☼	*1.52*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*930*	*T J*	*ug/Kg*	☼	*1.59*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*790*	*T J*	*ug/Kg*	☼	*3.95*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Ethane, 1,1,2,2-tetrachloro-	*240*	*T J N*	*ug/Kg*	☼	*5.05*	*79-34-5*	*10/15/15 07:51*	*10/16/15 13:45*	*1*
Heneicosane	*320*	*T J N*	*ug/Kg*	☼	*12.34*	*629-94-7*	*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*180*	*T J*	*ug/Kg*	☼	*13.82*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Cyclotetracosane	*2500*	*T J N*	*ug/Kg*	☼	*14.10*	*297-03-0*	*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*250*	*T J*	*ug/Kg*	☼	*14.37*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*200*	*T J*	*ug/Kg*	☼	*15.19*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*15.23*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*220*	*T J*	*ug/Kg*	☼	*15.27*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*380*	*T J*	*ug/Kg*	☼	*15.31*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Vitamin e	*380*	*T J N*	*ug/Kg*	☼	*15.52*	*10191-41-0*	*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*16.13*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*16.60*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*490*	*T J*	*ug/Kg*	☼	*16.68*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*16.78*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*17.16*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*300*	*T J*	*ug/Kg*	☼	*18.13*		*10/15/15 07:51*	*10/16/15 13:45*	*1*
Unknown	*630*	*T J*	*ug/Kg*	☼	*18.27*		*10/15/15 07:51*	*10/16/15 13:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*39 - 146*	*10/15/15 07:51*	*10/16/15 13:45*	*1*
2-Fluorobiphenyl	*80*		*37 - 120*	*10/15/15 07:51*	*10/16/15 13:45*	*1*
2-Fluorophenol	*83*		*18 - 120*	*10/15/15 07:51*	*10/16/15 13:45*	*1*
Nitrobenzene-d5	*78*		*34 - 132*	*10/15/15 07:51*	*10/16/15 13:45*	*1*
Phenol-d5	*84*		*11 - 120*	*10/15/15 07:51*	*10/16/15 13:45*	*1*
p-Terphenyl-d14	*94*		*65 - 153*	*10/15/15 07:51*	*10/16/15 13:45*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16500**	**F2**	11.9	5.2	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A PIN

TestAmerica Job ID: 480-89012-1

Client Sample ID: SB-76-16-20-101315
Date Collected: 10/13/15 10:10
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-5
Matrix: Solid
Percent Solids: 81.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1 F2	17.9	0.48	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Arsenic	**4.4**		2.4	0.48	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Barium	**129**	**F1 F2**	0.60	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Beryllium	**2.4**		0.24	0.033	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Cadmium	**0.39**		0.24	0.036	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Calcium	**56900**	**B F2**	59.5	3.9	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Chromium	**6.3**		0.60	0.24	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Cobalt	**1.9**		0.60	0.060	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Copper	**10.6**		1.2	0.25	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Iron	**7940**	**F1 F2**	11.9	4.2	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Lead	**7.6**		1.2	0.29	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Magnesium	**2680**	**F1 F2**	23.8	1.1	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Manganese	**549**	**F2**	0.24	0.038	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Nickel	**5.9**	**J F1 F2**	6.0	0.27	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Potassium	**952**	**F1 F2**	35.7	23.8	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Selenium	**1.9**	**J**	4.8	0.48	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Silver	ND		0.71	0.24	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Sodium	**250**		167	15.5	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Thallium	ND		7.1	0.36	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Vanadium	**9.4**	**F1**	0.60	0.13	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1
Zinc	**32.7**	**F1 F2**	2.4	0.76	mg/Kg	☼	10/14/15 17:10	10/16/15 02:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	*	1.2	0.58	mg/Kg	☼	10/21/15 10:40	10/21/15 16:42	1
Cyanide, Free	ND		2.4	0.40	mg/Kg	☼	10/22/15 09:00	10/22/15 10:05	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A PIN

TestAmerica Job ID: 480-89012-1

Client Sample ID: SB-76-0-4-101315
Lab Sample ID: 480-89012-1
Date Collected: 10/13/15 09:03
Matrix: Solid
Date Received: 10/13/15 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268599	10/13/15 23:02	CMK	TAL BUF

Client Sample ID: SB-76-0-4-101315
Lab Sample ID: 480-89012-1
Date Collected: 10/13/15 09:03
Matrix: Solid
Date Received: 10/13/15 16:50
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268902	10/15/15 07:51	CAM	TAL BUF
Total/NA	Analysis	8270D		5	269161	10/16/15 11:59	LMW	TAL BUF
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269169	10/16/15 02:44	SLB	TAL BUF
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		2	269305	10/16/15 13:12	SLB	TAL BUF
Total/NA	Prep	9012B			270110	10/21/15 10:40	LAW	TAL BUF
Total/NA	Analysis	9012B		1	270211	10/21/15 16:49	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Client Sample ID: SB-76-4-8-101315
Lab Sample ID: 480-89012-2
Date Collected: 10/13/15 09:22
Matrix: Solid
Date Received: 10/13/15 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268599	10/13/15 23:02	CMK	TAL BUF

Client Sample ID: SB-76-4-8-101315
Lab Sample ID: 480-89012-2
Date Collected: 10/13/15 09:22
Matrix: Solid
Date Received: 10/13/15 16:50
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268902	10/15/15 07:51	CAM	TAL BUF
Total/NA	Analysis	8270D		1	269161	10/16/15 12:26	LMW	TAL BUF
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269169	10/16/15 02:48	SLB	TAL BUF
Total/NA	Prep	9012B			270110	10/21/15 10:40	LAW	TAL BUF
Total/NA	Analysis	9012B		1	270211	10/21/15 16:50	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A PIN

TestAmerica Job ID: 480-89012-1

Client Sample ID: SB-76-8-12-101315
Date Collected: 10/13/15 09:35
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268599	10/13/15 23:02	CMK	TAL BUF

Client Sample ID: SB-76-8-12-101315
Date Collected: 10/13/15 09:35
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-3
Matrix: Solid
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268902	10/15/15 07:51	CAM	TAL BUF
Total/NA	Analysis	8270D		1	269161	10/16/15 12:52	LMW	TAL BUF
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269169	10/16/15 02:51	SLB	TAL BUF
Total/NA	Prep	9012B			270110	10/21/15 10:40	LAW	TAL BUF
Total/NA	Analysis	9012B		1	270211	10/21/15 16:55	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Client Sample ID: SB-76-12-16-101315
Date Collected: 10/13/15 09:53
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268599	10/13/15 23:02	CMK	TAL BUF

Client Sample ID: SB-76-12-16-101315
Date Collected: 10/13/15 09:53
Date Received: 10/13/15 16:50

Lab Sample ID: 480-89012-4
Matrix: Solid
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268902	10/15/15 07:51	CAM	TAL BUF
Total/NA	Analysis	8270D		1	269161	10/16/15 13:19	LMW	TAL BUF
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269169	10/16/15 02:55	SLB	TAL BUF
Total/NA	Prep	9012B			270110	10/21/15 10:40	LAW	TAL BUF
Total/NA	Analysis	9012B		1	270211	10/21/15 16:56	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A PIN

TestAmerica Job ID: 480-89012-1

Client Sample ID: SB-76-16-20-101315

Lab Sample ID: 480-89012-5

Date Collected: 10/13/15 10:10

Matrix: Solid

Date Received: 10/13/15 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	268599	10/13/15 23:02	CMK	TAL BUF

Client Sample ID: SB-76-16-20-101315

Lab Sample ID: 480-89012-5

Date Collected: 10/13/15 10:10

Matrix: Solid

Date Received: 10/13/15 16:50

Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			268902	10/15/15 07:51	CAM	TAL BUF
Total/NA	Analysis	8270D		1	269161	10/16/15 13:45	LMW	TAL BUF
Total/NA	Prep	3050B			268757	10/14/15 17:10	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269169	10/16/15 02:58	SLB	TAL BUF
Total/NA	Prep	9012B			270110	10/21/15 10:40	LAW	TAL BUF
Total/NA	Analysis	9012B		1	270211	10/21/15 16:42	KMF	TAL BUF
Total/NA	Leach	9016			330462	10/22/15 01:30	PXP	TAL EDI
Total/NA	Prep	9016			330471	10/22/15 09:00	PXP	TAL EDI
Total/NA	Analysis	9016		1	330473	10/22/15 10:05	MAL	TAL EDI

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A PIN

TestAmerica Job ID: 480-89012-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: TestAmerica Edison

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	11452	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A PIN

TestAmerica Job ID: 480-89012-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
9016	Cyanide, Free	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A PIN

TestAmerica Job ID: 480-89012-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89012-1	SB-76-0-4-101315	Solid	10/13/15 09:03	10/13/15 16:50
480-89012-2	SB-76-4-8-101315	Solid	10/13/15 09:22	10/13/15 16:50
480-89012-3	SB-76-8-12-101315	Solid	10/13/15 09:35	10/13/15 16:50
480-89012-4	SB-76-12-16-101315	Solid	10/13/15 09:53	10/13/15 16:50
480-89012-5	SB-76-16-20-101315	Solid	10/13/15 10:10	10/13/15 16:50

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith - NYSDEC	Amy Piconas - Heide Dudek	10/13/15	292032
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd.	518-782-4526		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park Parcel 4			
Contract/Purchase Order/Quote No.			
91667 (COM) - 915193A			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	Tot. CN 9012B	Free CN 9016	TAL metals 6010/7470	Pb-210	Special Instructions/ Conditions of Receipt
SB-76-0-4-101315	10/13/15	903				X	3						X	X	X	X		
SB-76-4-8-101315	10/13/15	922				X	3						X	X	X	X		
SB-76-8-12-101315	10/13/15	935				X	3						X	X	X	X		
SB-76-12-16-101315	10/13/15	953				X	3						X	X	X	X		
SB-76-16-20-101315	10/13/15	1010				X	3						X	X	X	X		
SB-MS-101315	10/13/15	1010				X	3						X	X	X	X		
SB-MSD-101315	10/13/15	1010				X	3						X	X	X	X		

480-89012 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	LIA ESTRADA	10/13/15	1614		10/13/15	16:18
2.		10/13/15	16:50		10/13/15	1650
3.						

Comments: Temp 5.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

10/27/2015

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-26272.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-89012-1
Address: 777 New Durham Road,	Due Date Requested: 10/23/2015			Preservation Codes:
City: Edison	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: Buffalo Lakeside #915193A PIN	Project #: 48010749			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Ww=wastew, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9016/9056_ExtPrep	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SB-76-0-4-101315 (480-89012-1)	10/13/15	09:03 Eastern		Solid			X	1	
SB-76-4-8-101315 (480-89012-2)	10/13/15	09:22 Eastern		Solid			X	1	
SB-76-8-12-101315 (480-89012-3)	10/13/15	09:35 Eastern		Solid			X	1	
SB-76-12-16-101315 (480-89012-4)	10/13/15	09:53 Eastern		Solid			X	1	
SB-76-16-20-101315 (480-89012-5)	10/13/15	10:10 Eastern		Solid			X	1	
SB-76-16-20-101315 (480-89012-5MS)	10/13/15	10:10 Eastern	MS	Solid			X	1	
SB-76-16-20-101315 (480-89012-5MSD)	10/13/15	10:10 Eastern	MSD	Solid			X	1	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
C Wallace	10/14/15 1700	TAB	PED UK		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				10/15/15 1000 am	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 411398	Cooler Temperature(s) °C and Other Remarks: 1.8°C/3.8°C IR #5

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-89012-1

Login Number: 89012
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CDM SMITH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-89012-1

Login Number: 89012
List Number: 2
Creator: Villadarez, Gerson Timothy S

List Source: TestAmerica Edison
List Creation: 10/15/15 10:50 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	411398
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8°C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89110-1
Client Project/Site: Buffalo Lakeside #915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Authorized for release by:
11/2/2015 3:37:38 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
11/2/2015 3:37:38 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
X	Surrogate is outside control limits
H	Sample was prepped or analyzed beyond the specified holding time
B	Compound was found in the blank and sample.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.
H	Sample was prepped or analyzed beyond the specified holding time

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-89110-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89110-1

Receipt
The samples were received on 10/14/2015 4:36 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7º C.

GC/MS Semi VOA
Method(s) 8270D: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 480-269019 recovered outside control limits for the following analytes: Multiple Analytes.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-270713 was outside the method criteria for the following analyte: Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The initial calibration curve analyzed in analytical batch 268224 was outside method criteria for the following analyte: Benzaldehyde. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: TP-02-101415 (480-89110-1). These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-272094 was outside the method criteria for the following analytes: Benzaldehyde and 2,2-oxybis(1-chloropropane). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-272094 recovered above the upper control limit for Benzo[g,h,i]perylene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following sample is impacted: TP-03-101415 (480-89110-3).

Method(s) 8270D: The following sample was re-extracted outside of preparation holding time due to low surrogate recoveries in the initial extraction: TP-03-101415 (480-89110-3). Both sets of data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The low level continuing calibration verification (CCVL 480-269140/16) for analytical batch 480-269140 contained Total Aluminum above the upper quality control limit. All reported samples associated with this CCVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (LCS 480-268970/2-A) and (MB 480-268970/1-A) was not performed..

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 480-269019.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample ID: TP-02-101415

Date Collected: 10/14/15 10:15
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		10/15/15 14:47	10/23/15 18:44	1
2,4,6-Trichlorophenol	ND	*	4.8	0.58	ug/L		10/15/15 14:47	10/23/15 18:44	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		10/15/15 14:47	10/23/15 18:44	1
2,4-Dimethylphenol	ND		4.8	0.48	ug/L		10/15/15 14:47	10/23/15 18:44	1
2,4-Dinitrophenol	ND	*	9.6	2.1	ug/L		10/15/15 14:47	10/23/15 18:44	1
2,4-Dinitrotoluene	**0.46**	**J ***	4.8	0.43	ug/L		10/15/15 14:47	10/23/15 18:44	1
2,6-Dinitrotoluene	ND	*	4.8	0.38	ug/L		10/15/15 14:47	10/23/15 18:44	1
2-Chloronaphthalene	ND	*	4.8	0.44	ug/L		10/15/15 14:47	10/23/15 18:44	1
2-Chlorophenol	ND	*	4.8	0.51	ug/L		10/15/15 14:47	10/23/15 18:44	1
2-Methylnaphthalene	ND	*	4.8	0.57	ug/L		10/15/15 14:47	10/23/15 18:44	1
2-Methylphenol	ND	*	4.8	0.38	ug/L		10/15/15 14:47	10/23/15 18:44	1
2-Nitroaniline	ND	*	9.6	0.40	ug/L		10/15/15 14:47	10/23/15 18:44	1
2-Nitrophenol	ND	*	4.8	0.46	ug/L		10/15/15 14:47	10/23/15 18:44	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		10/15/15 14:47	10/23/15 18:44	1
3-Nitroaniline	ND		9.6	0.46	ug/L		10/15/15 14:47	10/23/15 18:44	1
4,6-Dinitro-2-methylphenol	ND	*	9.6	2.1	ug/L		10/15/15 14:47	10/23/15 18:44	1
4-Bromophenyl phenyl ether	ND	*	4.8	0.43	ug/L		10/15/15 14:47	10/23/15 18:44	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		10/15/15 14:47	10/23/15 18:44	1
4-Chloroaniline	ND		4.8	0.56	ug/L		10/15/15 14:47	10/23/15 18:44	1
4-Chlorophenyl phenyl ether	ND	*	4.8	0.33	ug/L		10/15/15 14:47	10/23/15 18:44	1
4-Methylphenol	**7.8**	**J ***	9.6	0.34	ug/L		10/15/15 14:47	10/23/15 18:44	1
4-Nitroaniline	ND		9.6	0.24	ug/L		10/15/15 14:47	10/23/15 18:44	1
4-Nitrophenol	ND		9.6	1.5	ug/L		10/15/15 14:47	10/23/15 18:44	1
Acenaphthene	ND	*	4.8	0.39	ug/L		10/15/15 14:47	10/23/15 18:44	1
Acenaphthylene	ND	*	4.8	0.36	ug/L		10/15/15 14:47	10/23/15 18:44	1
Acetophenone	ND	*	4.8	0.52	ug/L		10/15/15 14:47	10/23/15 18:44	1
Anthracene	ND	*	4.8	0.27	ug/L		10/15/15 14:47	10/23/15 18:44	1
Atrazine	ND		4.8	0.44	ug/L		10/15/15 14:47	10/23/15 18:44	1
Benzaldehyde	**0.66**	**J ***	4.8	0.26	ug/L		10/15/15 14:47	10/23/15 18:44	1
Benzo[a]anthracene	ND	*	4.8	0.34	ug/L		10/15/15 14:47	10/23/15 18:44	1
Benzo[a]pyrene	ND	*	4.8	0.45	ug/L		10/15/15 14:47	10/23/15 18:44	1
Benzo[b]fluoranthene	**0.34**	**J**	4.8	0.33	ug/L		10/15/15 14:47	10/23/15 18:44	1
Benzo[g,h,i]perylene	ND	*	4.8	0.33	ug/L		10/15/15 14:47	10/23/15 18:44	1
Benzo[k]fluoranthene	ND		4.8	0.70	ug/L		10/15/15 14:47	10/23/15 18:44	1
Biphenyl	ND	*	4.8	0.62	ug/L		10/15/15 14:47	10/23/15 18:44	1
bis (2-chloroisopropyl) ether	ND	*	4.8	0.50	ug/L		10/15/15 14:47	10/23/15 18:44	1
Bis(2-chloroethoxy)methane	ND	*	4.8	0.33	ug/L		10/15/15 14:47	10/23/15 18:44	1
Bis(2-chloroethyl)ether	ND	*	4.8	0.38	ug/L		10/15/15 14:47	10/23/15 18:44	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L		10/15/15 14:47	10/23/15 18:44	1
Butyl benzyl phthalate	ND	*	4.8	0.40	ug/L		10/15/15 14:47	10/23/15 18:44	1
Caprolactam	ND		4.8	2.1	ug/L		10/15/15 14:47	10/23/15 18:44	1
Carbazole	ND	*	4.8	0.29	ug/L		10/15/15 14:47	10/23/15 18:44	1
Chrysene	ND	*	4.8	0.32	ug/L		10/15/15 14:47	10/23/15 18:44	1
Dibenz(a,h)anthracene	ND	*	4.8	0.40	ug/L		10/15/15 14:47	10/23/15 18:44	1
Dibenzofuran	ND	*	9.6	0.49	ug/L		10/15/15 14:47	10/23/15 18:44	1
Diethyl phthalate	ND	*	4.8	0.21	ug/L		10/15/15 14:47	10/23/15 18:44	1
Dimethyl phthalate	ND	*	4.8	0.34	ug/L		10/15/15 14:47	10/23/15 18:44	1
Di-n-butyl phthalate	ND	*	4.8	0.30	ug/L		10/15/15 14:47	10/23/15 18:44	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		10/15/15 14:47	10/23/15 18:44	1

Client Sample ID: TP-02-101415

Date Collected: 10/14/15 10:15
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND	*	4.8	0.38	ug/L		10/15/15 14:47	10/23/15 18:44	1
Fluorene	ND	*	4.8	0.34	ug/L		10/15/15 14:47	10/23/15 18:44	1
Hexachlorobenzene	ND	*	4.8	0.49	ug/L		10/15/15 14:47	10/23/15 18:44	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		10/15/15 14:47	10/23/15 18:44	1
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L		10/15/15 14:47	10/23/15 18:44	1
Hexachloroethane	ND		4.8	0.56	ug/L		10/15/15 14:47	10/23/15 18:44	1
Indeno[1,2,3-cd]pyrene	ND	*	4.8	0.45	ug/L		10/15/15 14:47	10/23/15 18:44	1
Isophorone	ND	*	4.8	0.41	ug/L		10/15/15 14:47	10/23/15 18:44	1
Naphthalene	ND	*	4.8	0.73	ug/L		10/15/15 14:47	10/23/15 18:44	1
Nitrobenzene	ND	*	4.8	0.28	ug/L		10/15/15 14:47	10/23/15 18:44	1
N-Nitrosodi-n-propylamine	ND	*	4.8	0.52	ug/L		10/15/15 14:47	10/23/15 18:44	1
N-Nitrosodiphenylamine	ND	*	4.8	0.49	ug/L		10/15/15 14:47	10/23/15 18:44	1
Pentachlorophenol	ND		9.6	2.1	ug/L		10/15/15 14:47	10/23/15 18:44	1
Phenanthrene	ND	*	4.8	0.42	ug/L		10/15/15 14:47	10/23/15 18:44	1
Phenol	ND	*	4.8	0.37	ug/L		10/15/15 14:47	10/23/15 18:44	1
Pyrene	ND	*	4.8	0.33	ug/L		10/15/15 14:47	10/23/15 18:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*33*	*T J N*	*ug/L*		*3.56*	*110-82-7*	*10/15/15 14:47*	*10/23/15 18:44*	*1*
Unknown	*61*	*T J*	*ug/L*		*3.74*		*10/15/15 14:47*	*10/23/15 18:44*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*4.82*		*10/15/15 14:47*	*10/23/15 18:44*	*1*
Unknown	*5.3*	*T J*	*ug/L*		*5.39*		*10/15/15 14:47*	*10/23/15 18:44*	*1*
Unknown	*6.2*	*T J*	*ug/L*		*5.44*		*10/15/15 14:47*	*10/23/15 18:44*	*1*
Decane	*2.8*	*T J N*	*ug/L*		*6.67*	*124-18-5*	*10/15/15 14:47*	*10/23/15 18:44*	*1*
Benzeneacetic acid	*4.8*	*T J N*	*ug/L*		*8.08*	*103-82-2*	*10/15/15 14:47*	*10/23/15 18:44*	*1*
Benzoic acid, p-tert-butyl-	*5.0*	*T J N*	*ug/L*		*9.30*	*98-73-7*	*10/15/15 14:47*	*10/23/15 18:44*	*1*
Erucylamide	*2.3*	*T J N*	*ug/L*		*14.76*	*112-84-5*	*10/15/15 14:47*	*10/23/15 18:44*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*14.97*		*10/15/15 14:47*	*10/23/15 18:44*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*16.53*		*10/15/15 14:47*	*10/23/15 18:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*52 - 132*	*10/15/15 14:47*	*10/23/15 18:44*	*1*
2-Fluorobiphenyl	*79*		*48 - 120*	*10/15/15 14:47*	*10/23/15 18:44*	*1*
2-Fluorophenol (Surr)	*50*		*20 - 120*	*10/15/15 14:47*	*10/23/15 18:44*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 120*	*10/15/15 14:47*	*10/23/15 18:44*	*1*
Phenol-d5 (Surr)	*36*		*16 - 120*	*10/15/15 14:47*	*10/23/15 18:44*	*1*
p-Terphenyl-d14 (Surr)	*65*	*X*	*67 - 150*	*10/15/15 14:47*	*10/23/15 18:44*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.54**		0.20	0.060	mg/L		10/15/15 12:10	10/15/15 23:36	1
Antimony	ND		0.020	0.0068	mg/L		10/15/15 12:10	10/15/15 23:36	1
Arsenic	ND		0.015	0.0056	mg/L		10/15/15 12:10	10/15/15 23:36	1
Barium	**0.19**		0.0020	0.00070	mg/L		10/15/15 12:10	10/15/15 23:36	1
Beryllium	ND		0.0020	0.00030	mg/L		10/15/15 12:10	10/15/15 23:36	1
Cadmium	ND		0.0020	0.00050	mg/L		10/15/15 12:10	10/15/15 23:36	1
Calcium	**112**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:36	1
Chromium	**0.0018**	**J**	0.0040	0.0010	mg/L		10/15/15 12:10	10/15/15 23:36	1
Cobalt	**0.0012**	**J**	0.0040	0.00063	mg/L		10/15/15 12:10	10/15/15 23:36	1
Copper	**0.0049**	**J**	0.010	0.0016	mg/L		10/15/15 12:10	10/15/15 23:36	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Client Sample ID: TP-02-101415
Date Collected: 10/14/15 10:15
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	4.0		0.050	0.019	mg/L		10/15/15 12:10	10/15/15 23:36	1
Lead	0.0093	J	0.010	0.0030	mg/L		10/15/15 12:10	10/15/15 23:36	1
Magnesium	44.9		0.20	0.043	mg/L		10/15/15 12:10	10/15/15 23:36	1
Manganese	0.85		0.0030	0.00040	mg/L		10/15/15 12:10	10/15/15 23:36	1
Nickel	0.0020	J	0.010	0.0013	mg/L		10/15/15 12:10	10/15/15 23:36	1
Potassium	364		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:36	1
Selenium	ND		0.025	0.0087	mg/L		10/15/15 12:10	10/15/15 23:36	1
Silver	ND		0.0060	0.0017	mg/L		10/15/15 12:10	10/15/15 23:36	1
Sodium	189		1.0	0.32	mg/L		10/15/15 12:10	10/15/15 23:36	1
Thallium	ND		0.020	0.010	mg/L		10/15/15 12:10	10/15/15 23:36	1
Vanadium	0.0023	J	0.0050	0.0015	mg/L		10/15/15 12:10	10/15/15 23:36	1
Zinc	0.015		0.010	0.0015	mg/L		10/15/15 12:10	10/15/15 23:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.029		0.010	0.0050	mg/L		10/25/15 09:26	10/26/15 13:16	1

Client Sample ID: TP-02-F-101415
Date Collected: 10/14/15 10:20
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/15/15 14:47	10/23/15 19:13	1
2,4,6-Trichlorophenol	ND	*	5.2	0.63	ug/L		10/15/15 14:47	10/23/15 19:13	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/15/15 14:47	10/23/15 19:13	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/15/15 14:47	10/23/15 19:13	1
2,4-Dinitrophenol	ND	*	10	2.3	ug/L		10/15/15 14:47	10/23/15 19:13	1
2,4-Dinitrotoluene	ND	*	5.2	0.46	ug/L		10/15/15 14:47	10/23/15 19:13	1
2,6-Dinitrotoluene	ND	*	5.2	0.41	ug/L		10/15/15 14:47	10/23/15 19:13	1
2-Chloronaphthalene	ND	*	5.2	0.47	ug/L		10/15/15 14:47	10/23/15 19:13	1
2-Chlorophenol	ND	*	5.2	0.55	ug/L		10/15/15 14:47	10/23/15 19:13	1
2-Methylnaphthalene	ND	*	5.2	0.62	ug/L		10/15/15 14:47	10/23/15 19:13	1
2-Methylphenol	ND	*	5.2	0.41	ug/L		10/15/15 14:47	10/23/15 19:13	1
2-Nitroaniline	ND	*	10	0.43	ug/L		10/15/15 14:47	10/23/15 19:13	1
2-Nitrophenol	ND	*	5.2	0.50	ug/L		10/15/15 14:47	10/23/15 19:13	1
3,3'-Dichlorobenzidine	ND		5.2	0.41	ug/L		10/15/15 14:47	10/23/15 19:13	1
3-Nitroaniline	ND		10	0.50	ug/L		10/15/15 14:47	10/23/15 19:13	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		10/15/15 14:47	10/23/15 19:13	1
4-Bromophenyl phenyl ether	ND	*	5.2	0.46	ug/L		10/15/15 14:47	10/23/15 19:13	1
4-Chloro-3-methylphenol	ND		5.2	0.46	ug/L		10/15/15 14:47	10/23/15 19:13	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/15/15 14:47	10/23/15 19:13	1
4-Chlorophenyl phenyl ether	ND	*	5.2	0.36	ug/L		10/15/15 14:47	10/23/15 19:13	1
4-Methylphenol	**8.3**	**J ***	10	0.37	ug/L		10/15/15 14:47	10/23/15 19:13	1
4-Nitroaniline	ND		10	0.26	ug/L		10/15/15 14:47	10/23/15 19:13	1
4-Nitrophenol	ND		10	1.6	ug/L		10/15/15 14:47	10/23/15 19:13	1
Acenaphthene	ND	*	5.2	0.42	ug/L		10/15/15 14:47	10/23/15 19:13	1
Acenaphthylene	ND	*	5.2	0.39	ug/L		10/15/15 14:47	10/23/15 19:13	1
Acetophenone	ND	*	5.2	0.56	ug/L		10/15/15 14:47	10/23/15 19:13	1
Anthracene	ND	*	5.2	0.29	ug/L		10/15/15 14:47	10/23/15 19:13	1
Atrazine	ND		5.2	0.47	ug/L		10/15/15 14:47	10/23/15 19:13	1
Benzaldehyde	**0.83**	**J ***	5.2	0.28	ug/L		10/15/15 14:47	10/23/15 19:13	1
Benzo[a]anthracene	ND	*	5.2	0.37	ug/L		10/15/15 14:47	10/23/15 19:13	1
Benzo[a]pyrene	ND	*	5.2	0.48	ug/L		10/15/15 14:47	10/23/15 19:13	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/15/15 14:47	10/23/15 19:13	1
Benzo[g,h,i]perylene	ND	*	5.2	0.36	ug/L		10/15/15 14:47	10/23/15 19:13	1
Benzo[k]fluoranthene	ND		5.2	0.75	ug/L		10/15/15 14:47	10/23/15 19:13	1
Biphenyl	ND	*	5.2	0.67	ug/L		10/15/15 14:47	10/23/15 19:13	1
bis (2-chloroisopropyl) ether	ND	*	5.2	0.54	ug/L		10/15/15 14:47	10/23/15 19:13	1
Bis(2-chloroethoxy)methane	ND	*	5.2	0.36	ug/L		10/15/15 14:47	10/23/15 19:13	1
Bis(2-chloroethyl)ether	ND	*	5.2	0.41	ug/L		10/15/15 14:47	10/23/15 19:13	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/15/15 14:47	10/23/15 19:13	1
Butyl benzyl phthalate	ND	*	5.2	0.43	ug/L		10/15/15 14:47	10/23/15 19:13	1
Caprolactam	ND		5.2	2.3	ug/L		10/15/15 14:47	10/23/15 19:13	1
Carbazole	ND	*	5.2	0.31	ug/L		10/15/15 14:47	10/23/15 19:13	1
Chrysene	ND	*	5.2	0.34	ug/L		10/15/15 14:47	10/23/15 19:13	1
Dibenz(a,h)anthracene	ND	*	5.2	0.43	ug/L		10/15/15 14:47	10/23/15 19:13	1
Dibenzofuran	ND	*	10	0.53	ug/L		10/15/15 14:47	10/23/15 19:13	1
Diethyl phthalate	ND	*	5.2	0.23	ug/L		10/15/15 14:47	10/23/15 19:13	1
Dimethyl phthalate	ND	*	5.2	0.37	ug/L		10/15/15 14:47	10/23/15 19:13	1
Di-n-butyl phthalate	ND	*	5.2	0.32	ug/L		10/15/15 14:47	10/23/15 19:13	1
Di-n-octyl phthalate	ND		5.2	0.48	ug/L		10/15/15 14:47	10/23/15 19:13	1

Client Sample ID: TP-02-F-101415

Date Collected: 10/14/15 10:20
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND	*	5.2	0.41	ug/L		10/15/15 14:47	10/23/15 19:13	1
Fluorene	ND	*	5.2	0.37	ug/L		10/15/15 14:47	10/23/15 19:13	1
Hexachlorobenzene	ND	*	5.2	0.53	ug/L		10/15/15 14:47	10/23/15 19:13	1
Hexachlorobutadiene	ND		5.2	0.70	ug/L		10/15/15 14:47	10/23/15 19:13	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/15/15 14:47	10/23/15 19:13	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/15/15 14:47	10/23/15 19:13	1
Indeno[1,2,3-cd]pyrene	ND	*	5.2	0.48	ug/L		10/15/15 14:47	10/23/15 19:13	1
Isophorone	ND	*	5.2	0.44	ug/L		10/15/15 14:47	10/23/15 19:13	1
Naphthalene	ND	*	5.2	0.78	ug/L		10/15/15 14:47	10/23/15 19:13	1
Nitrobenzene	ND	*	5.2	0.30	ug/L		10/15/15 14:47	10/23/15 19:13	1
N-Nitrosodi-n-propylamine	ND	*	5.2	0.56	ug/L		10/15/15 14:47	10/23/15 19:13	1
N-Nitrosodiphenylamine	ND	*	5.2	0.53	ug/L		10/15/15 14:47	10/23/15 19:13	1
Pentachlorophenol	ND		10	2.3	ug/L		10/15/15 14:47	10/23/15 19:13	1
Phenanthrene	ND	*	5.2	0.45	ug/L		10/15/15 14:47	10/23/15 19:13	1
Phenol	ND	*	5.2	0.40	ug/L		10/15/15 14:47	10/23/15 19:13	1
Pyrene	ND	*	5.2	0.35	ug/L		10/15/15 14:47	10/23/15 19:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*37*	*T J N*	*ug/L*		*3.56*	*110-82-7*	*10/15/15 14:47*	*10/23/15 19:13*	*1*
Unknown	*73*	*T J*	*ug/L*		*3.74*		*10/15/15 14:47*	*10/23/15 19:13*	*1*
Unknown	*4.1*	*T J*	*ug/L*		*4.84*		*10/15/15 14:47*	*10/23/15 19:13*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*5.39*		*10/15/15 14:47*	*10/23/15 19:13*	*1*
Unknown	*29*	*T J*	*ug/L*		*5.44*		*10/15/15 14:47*	*10/23/15 19:13*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*6.67*		*10/15/15 14:47*	*10/23/15 19:13*	*1*
Benzeneacetic acid	*5.2*	*T J N*	*ug/L*		*8.08*	*103-82-2*	*10/15/15 14:47*	*10/23/15 19:13*	*1*
Benzoic acid, p-tert-butyl-	*4.9*	*T J N*	*ug/L*		*9.30*	*98-73-7*	*10/15/15 14:47*	*10/23/15 19:13*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*2.4*	*T J N*	*ug/L*		*9.35*	*96-76-4*	*10/15/15 14:47*	*10/23/15 19:13*	*1*
Octadecanoic acid	*7.1*	*T J N*	*ug/L*		*11.79*	*57-11-4*	*10/15/15 14:47*	*10/23/15 19:13*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*14.77*		*10/15/15 14:47*	*10/23/15 19:13*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*14.97*		*10/15/15 14:47*	*10/23/15 19:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*52 - 132*	*10/15/15 14:47*	*10/23/15 19:13*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*10/15/15 14:47*	*10/23/15 19:13*	*1*
2-Fluorophenol (Surr)	*57*		*20 - 120*	*10/15/15 14:47*	*10/23/15 19:13*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 120*	*10/15/15 14:47*	*10/23/15 19:13*	*1*
Phenol-d5 (Surr)	*40*		*16 - 120*	*10/15/15 14:47*	*10/23/15 19:13*	*1*
p-Terphenyl-d14 (Surr)	*70*		*67 - 150*	*10/15/15 14:47*	*10/23/15 19:13*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/15/15 12:10	10/15/15 23:39	1
Antimony	ND		0.020	0.0068	mg/L		10/15/15 12:10	10/15/15 23:39	1
Arsenic	ND		0.015	0.0056	mg/L		10/15/15 12:10	10/15/15 23:39	1
Barium	**0.19**		0.0020	0.00070	mg/L		10/15/15 12:10	10/15/15 23:39	1
Beryllium	ND		0.0020	0.00030	mg/L		10/15/15 12:10	10/15/15 23:39	1
Cadmium	ND		0.0020	0.00050	mg/L		10/15/15 12:10	10/15/15 23:39	1
Calcium	**114**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:39	1
Chromium	ND		0.0040	0.0010	mg/L		10/15/15 12:10	10/15/15 23:39	1
Cobalt	**0.0011**	**J**	0.0040	0.00063	mg/L		10/15/15 12:10	10/15/15 23:39	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Client Sample ID: TP-02-F-101415
Date Collected: 10/14/15 10:20
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.010	0.0016	mg/L		10/15/15 12:10	10/15/15 23:39	1
Iron	**2.8**		0.050	0.019	mg/L		10/15/15 12:10	10/15/15 23:39	1
Lead	ND		0.010	0.0030	mg/L		10/15/15 12:10	10/15/15 23:39	1
Magnesium	**45.2**		0.20	0.043	mg/L		10/15/15 12:10	10/15/15 23:39	1
Manganese	**0.82**		0.0030	0.00040	mg/L		10/15/15 12:10	10/15/15 23:39	1
Nickel	**0.0013**	**J**	0.010	0.0013	mg/L		10/15/15 12:10	10/15/15 23:39	1
Potassium	**368**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:39	1
Selenium	ND		0.025	0.0087	mg/L		10/15/15 12:10	10/15/15 23:39	1
Silver	ND		0.0060	0.0017	mg/L		10/15/15 12:10	10/15/15 23:39	1
Sodium	**193**		1.0	0.32	mg/L		10/15/15 12:10	10/15/15 23:39	1
Thallium	ND		0.020	0.010	mg/L		10/15/15 12:10	10/15/15 23:39	1
Vanadium	**0.0016**	**J**	0.0050	0.0015	mg/L		10/15/15 12:10	10/15/15 23:39	1
Zinc	ND		0.010	0.0015	mg/L		10/15/15 12:10	10/15/15 23:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.035**		0.010	0.0050	mg/L		10/26/15 02:50	10/26/15 13:46	1

Client Sample ID: TP-03-101415
Date Collected: 10/14/15 13:00
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/15/15 14:47	10/23/15 19:42	1
2,4,6-Trichlorophenol	ND	*	5.2	0.63	ug/L		10/15/15 14:47	10/23/15 19:42	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/15/15 14:47	10/23/15 19:42	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/15/15 14:47	10/23/15 19:42	1
2,4-Dinitrophenol	ND	*	10	2.3	ug/L		10/15/15 14:47	10/23/15 19:42	1
2,4-Dinitrotoluene	ND	*	5.2	0.46	ug/L		10/15/15 14:47	10/23/15 19:42	1
2,6-Dinitrotoluene	ND	*	5.2	0.41	ug/L		10/15/15 14:47	10/23/15 19:42	1
2-Chloronaphthalene	ND	*	5.2	0.47	ug/L		10/15/15 14:47	10/23/15 19:42	1
2-Chlorophenol	ND	*	5.2	0.55	ug/L		10/15/15 14:47	10/23/15 19:42	1
2-Methylnaphthalene	ND	*	5.2	0.62	ug/L		10/15/15 14:47	10/23/15 19:42	1
2-Methylphenol	ND	*	5.2	0.41	ug/L		10/15/15 14:47	10/23/15 19:42	1
2-Nitroaniline	ND	*	10	0.43	ug/L		10/15/15 14:47	10/23/15 19:42	1
2-Nitrophenol	ND	*	5.2	0.50	ug/L		10/15/15 14:47	10/23/15 19:42	1
3,3'-Dichlorobenzidine	ND		5.2	0.41	ug/L		10/15/15 14:47	10/23/15 19:42	1
3-Nitroaniline	ND		10	0.50	ug/L		10/15/15 14:47	10/23/15 19:42	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		10/15/15 14:47	10/23/15 19:42	1
4-Bromophenyl phenyl ether	ND	*	5.2	0.46	ug/L		10/15/15 14:47	10/23/15 19:42	1
4-Chloro-3-methylphenol	ND		5.2	0.46	ug/L		10/15/15 14:47	10/23/15 19:42	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/15/15 14:47	10/23/15 19:42	1
4-Chlorophenyl phenyl ether	ND	*	5.2	0.36	ug/L		10/15/15 14:47	10/23/15 19:42	1
4-Methylphenol	ND	*	10	0.37	ug/L		10/15/15 14:47	10/23/15 19:42	1
4-Nitroaniline	ND		10	0.26	ug/L		10/15/15 14:47	10/23/15 19:42	1
4-Nitrophenol	ND		10	1.6	ug/L		10/15/15 14:47	10/23/15 19:42	1
Acenaphthene	ND	*	5.2	0.42	ug/L		10/15/15 14:47	10/23/15 19:42	1
Acenaphthylene	ND	*	5.2	0.39	ug/L		10/15/15 14:47	10/23/15 19:42	1
Acetophenone	ND	*	5.2	0.56	ug/L		10/15/15 14:47	10/23/15 19:42	1
Anthracene	ND	*	5.2	0.29	ug/L		10/15/15 14:47	10/23/15 19:42	1
Atrazine	ND		5.2	0.47	ug/L		10/15/15 14:47	10/23/15 19:42	1
Benzaldehyde	ND	*	5.2	0.28	ug/L		10/15/15 14:47	10/23/15 19:42	1
Benzo[a]anthracene	ND	*	5.2	0.37	ug/L		10/15/15 14:47	10/23/15 19:42	1
Benzo[a]pyrene	ND	*	5.2	0.48	ug/L		10/15/15 14:47	10/23/15 19:42	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/15/15 14:47	10/23/15 19:42	1
Benzo[g,h,i]perylene	ND	*	5.2	0.36	ug/L		10/15/15 14:47	10/23/15 19:42	1
Benzo[k]fluoranthene	ND		5.2	0.75	ug/L		10/15/15 14:47	10/23/15 19:42	1
Biphenyl	ND	*	5.2	0.67	ug/L		10/15/15 14:47	10/23/15 19:42	1
bis (2-chloroisopropyl) ether	ND	*	5.2	0.54	ug/L		10/15/15 14:47	10/23/15 19:42	1
Bis(2-chloroethoxy)methane	ND	*	5.2	0.36	ug/L		10/15/15 14:47	10/23/15 19:42	1
Bis(2-chloroethyl)ether	ND	*	5.2	0.41	ug/L		10/15/15 14:47	10/23/15 19:42	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/15/15 14:47	10/23/15 19:42	1
Butyl benzyl phthalate	ND	*	5.2	0.43	ug/L		10/15/15 14:47	10/23/15 19:42	1
Caprolactam	ND		5.2	2.3	ug/L		10/15/15 14:47	10/23/15 19:42	1
Carbazole	ND	*	5.2	0.31	ug/L		10/15/15 14:47	10/23/15 19:42	1
Chrysene	ND	*	5.2	0.34	ug/L		10/15/15 14:47	10/23/15 19:42	1
Dibenz(a,h)anthracene	ND	*	5.2	0.43	ug/L		10/15/15 14:47	10/23/15 19:42	1
Dibenzofuran	ND	*	10	0.53	ug/L		10/15/15 14:47	10/23/15 19:42	1
Diethyl phthalate	ND	*	5.2	0.23	ug/L		10/15/15 14:47	10/23/15 19:42	1
Dimethyl phthalate	ND	*	5.2	0.37	ug/L		10/15/15 14:47	10/23/15 19:42	1
Di-n-butyl phthalate	ND	*	5.2	0.32	ug/L		10/15/15 14:47	10/23/15 19:42	1
Di-n-octyl phthalate	ND		5.2	0.48	ug/L		10/15/15 14:47	10/23/15 19:42	1

Client Sample ID: TP-03-101415

Date Collected: 10/14/15 13:00
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND	*	5.2	0.41	ug/L		10/15/15 14:47	10/23/15 19:42	1
Fluorene	ND	*	5.2	0.37	ug/L		10/15/15 14:47	10/23/15 19:42	1
Hexachlorobenzene	ND	*	5.2	0.53	ug/L		10/15/15 14:47	10/23/15 19:42	1
Hexachlorobutadiene	ND		5.2	0.70	ug/L		10/15/15 14:47	10/23/15 19:42	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/15/15 14:47	10/23/15 19:42	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/15/15 14:47	10/23/15 19:42	1
Indeno[1,2,3-cd]pyrene	ND	*	5.2	0.48	ug/L		10/15/15 14:47	10/23/15 19:42	1
Isophorone	ND	*	5.2	0.44	ug/L		10/15/15 14:47	10/23/15 19:42	1
Naphthalene	ND	*	5.2	0.78	ug/L		10/15/15 14:47	10/23/15 19:42	1
Nitrobenzene	ND	*	5.2	0.30	ug/L		10/15/15 14:47	10/23/15 19:42	1
N-Nitrosodi-n-propylamine	ND	*	5.2	0.56	ug/L		10/15/15 14:47	10/23/15 19:42	1
N-Nitrosodiphenylamine	ND	*	5.2	0.53	ug/L		10/15/15 14:47	10/23/15 19:42	1
Pentachlorophenol	ND		10	2.3	ug/L		10/15/15 14:47	10/23/15 19:42	1
Phenanthrene	ND	*	5.2	0.45	ug/L		10/15/15 14:47	10/23/15 19:42	1
Phenol	ND	*	5.2	0.40	ug/L		10/15/15 14:47	10/23/15 19:42	1
Pyrene	ND	*	5.2	0.35	ug/L		10/15/15 14:47	10/23/15 19:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*15*	*T J N*	*ug/L*		*3.56*	*110-82-7*	*10/15/15 14:47*	*10/23/15 19:42*	*1*
Unknown	*33*	*T J*	*ug/L*		*3.73*		*10/15/15 14:47*	*10/23/15 19:42*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*5.44*		*10/15/15 14:47*	*10/23/15 19:42*	*1*
n-Hexadecanoic acid	*2.4*	*T J N*	*ug/L*		*11.04*	*57-10-3*	*10/15/15 14:47*	*10/23/15 19:42*	*1*
Unknown	*5.5*	*T J*	*ug/L*		*11.71*		*10/15/15 14:47*	*10/23/15 19:42*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*12.34*		*10/15/15 14:47*	*10/23/15 19:42*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*12.79*		*10/15/15 14:47*	*10/23/15 19:42*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*13.57*		*10/15/15 14:47*	*10/23/15 19:42*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*14.99*		*10/15/15 14:47*	*10/23/15 19:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*43*	*X*	*52 - 132*	*10/15/15 14:47*	*10/23/15 19:42*	*1*
2-Fluorobiphenyl	*39*	*X*	*48 - 120*	*10/15/15 14:47*	*10/23/15 19:42*	*1*
2-Fluorophenol (Surr)	*24*		*20 - 120*	*10/15/15 14:47*	*10/23/15 19:42*	*1*
Nitrobenzene-d5 (Surr)	*30*	*X*	*46 - 120*	*10/15/15 14:47*	*10/23/15 19:42*	*1*
Phenol-d5 (Surr)	*17*		*16 - 120*	*10/15/15 14:47*	*10/23/15 19:42*	*1*
p-Terphenyl-d14 (Surr)	*40*	*X*	*67 - 150*	*10/15/15 14:47*	*10/23/15 19:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	H	5.1	0.49	ug/L		10/28/15 15:05	10/30/15 15:24	1
2,4,6-Trichlorophenol	ND	H	5.1	0.62	ug/L		10/28/15 15:05	10/30/15 15:24	1
2,4-Dichlorophenol	ND	H	5.1	0.52	ug/L		10/28/15 15:05	10/30/15 15:24	1
2,4-Dimethylphenol	ND	H	5.1	0.51	ug/L		10/28/15 15:05	10/30/15 15:24	1
2,4-Dinitrophenol	ND	H	10	2.3	ug/L		10/28/15 15:05	10/30/15 15:24	1
2,4-Dinitrotoluene	ND	H	5.1	0.46	ug/L		10/28/15 15:05	10/30/15 15:24	1
2,6-Dinitrotoluene	ND	H	5.1	0.41	ug/L		10/28/15 15:05	10/30/15 15:24	1
2-Chloronaphthalene	ND	H	5.1	0.47	ug/L		10/28/15 15:05	10/30/15 15:24	1
2-Chlorophenol	ND	H	5.1	0.54	ug/L		10/28/15 15:05	10/30/15 15:24	1
2-Methylnaphthalene	ND	H	5.1	0.61	ug/L		10/28/15 15:05	10/30/15 15:24	1
2-Methylphenol	ND	H	5.1	0.41	ug/L		10/28/15 15:05	10/30/15 15:24	1
2-Nitroaniline	ND	H	10	0.43	ug/L		10/28/15 15:05	10/30/15 15:24	1

Client Sample ID: TP-03-101415
Date Collected: 10/14/15 13:00
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND	H	5.1	0.49	ug/L		10/28/15 15:05	10/30/15 15:24	1
3,3'-Dichlorobenzidine	ND	H	5.1	0.41	ug/L		10/28/15 15:05	10/30/15 15:24	1
3-Nitroaniline	ND	H	10	0.49	ug/L		10/28/15 15:05	10/30/15 15:24	1
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		10/28/15 15:05	10/30/15 15:24	1
4-Bromophenyl phenyl ether	ND	H	5.1	0.46	ug/L		10/28/15 15:05	10/30/15 15:24	1
4-Chloro-3-methylphenol	ND	H	5.1	0.46	ug/L		10/28/15 15:05	10/30/15 15:24	1
4-Chloroaniline	ND	H	5.1	0.60	ug/L		10/28/15 15:05	10/30/15 15:24	1
4-Chlorophenyl phenyl ether	ND	H	5.1	0.36	ug/L		10/28/15 15:05	10/30/15 15:24	1
4-Methylphenol	ND	H	10	0.37	ug/L		10/28/15 15:05	10/30/15 15:24	1
4-Nitroaniline	ND	H	10	0.26	ug/L		10/28/15 15:05	10/30/15 15:24	1
4-Nitrophenol	ND	H	10	1.6	ug/L		10/28/15 15:05	10/30/15 15:24	1
Acenaphthene	ND	H	5.1	0.42	ug/L		10/28/15 15:05	10/30/15 15:24	1
Acenaphthylene	ND	H	5.1	0.39	ug/L		10/28/15 15:05	10/30/15 15:24	1
Acetophenone	ND	H	5.1	0.55	ug/L		10/28/15 15:05	10/30/15 15:24	1
Anthracene	ND	H	5.1	0.29	ug/L		10/28/15 15:05	10/30/15 15:24	1
Atrazine	ND	H	5.1	0.47	ug/L		10/28/15 15:05	10/30/15 15:24	1
Benzaldehyde	ND	H	5.1	0.27	ug/L		10/28/15 15:05	10/30/15 15:24	1
Benzo[a]anthracene	ND	H	5.1	0.37	ug/L		10/28/15 15:05	10/30/15 15:24	1
Benzo[a]pyrene	ND	H	5.1	0.48	ug/L		10/28/15 15:05	10/30/15 15:24	1
Benzo[b]fluoranthene	ND	H	5.1	0.35	ug/L		10/28/15 15:05	10/30/15 15:24	1
Benzo[g,h,i]perylene	ND	H	5.1	0.36	ug/L		10/28/15 15:05	10/30/15 15:24	1
Benzo[k]fluoranthene	ND	H	5.1	0.75	ug/L		10/28/15 15:05	10/30/15 15:24	1
Biphenyl	ND	H	5.1	0.67	ug/L		10/28/15 15:05	10/30/15 15:24	1
bis (2-chloroisopropyl) ether	ND	H	5.1	0.53	ug/L		10/28/15 15:05	10/30/15 15:24	1
Bis(2-chloroethoxy)methane	ND	H	5.1	0.36	ug/L		10/28/15 15:05	10/30/15 15:24	1
Bis(2-chloroethyl)ether	ND	H	5.1	0.41	ug/L		10/28/15 15:05	10/30/15 15:24	1
Bis(2-ethylhexyl) phthalate	ND	H	5.1	1.8	ug/L		10/28/15 15:05	10/30/15 15:24	1
Butyl benzyl phthalate	**0.65**	**J H B**	5.1	0.43	ug/L		10/28/15 15:05	10/30/15 15:24	1
Caprolactam	ND	H	5.1	2.2	ug/L		10/28/15 15:05	10/30/15 15:24	1
Carbazole	ND	H	5.1	0.31	ug/L		10/28/15 15:05	10/30/15 15:24	1
Chrysene	ND	H	5.1	0.34	ug/L		10/28/15 15:05	10/30/15 15:24	1
Dibenz(a,h)anthracene	ND	H	5.1	0.43	ug/L		10/28/15 15:05	10/30/15 15:24	1
Dibenzofuran	ND	H	10	0.52	ug/L		10/28/15 15:05	10/30/15 15:24	1
Diethyl phthalate	ND	H	5.1	0.22	ug/L		10/28/15 15:05	10/30/15 15:24	1
Dimethyl phthalate	ND	H	5.1	0.37	ug/L		10/28/15 15:05	10/30/15 15:24	1
Di-n-butyl phthalate	ND	H	5.1	0.32	ug/L		10/28/15 15:05	10/30/15 15:24	1
Di-n-octyl phthalate	ND	H	5.1	0.48	ug/L		10/28/15 15:05	10/30/15 15:24	1
Fluoranthene	ND	H	5.1	0.41	ug/L		10/28/15 15:05	10/30/15 15:24	1
Fluorene	ND	H	5.1	0.37	ug/L		10/28/15 15:05	10/30/15 15:24	1
Hexachlorobenzene	ND	H	5.1	0.52	ug/L		10/28/15 15:05	10/30/15 15:24	1
Hexachlorobutadiene	ND	H	5.1	0.69	ug/L		10/28/15 15:05	10/30/15 15:24	1
Hexachlorocyclopentadiene	ND	H	5.1	0.60	ug/L		10/28/15 15:05	10/30/15 15:24	1
Hexachloroethane	ND	H	5.1	0.60	ug/L		10/28/15 15:05	10/30/15 15:24	1
Indeno[1,2,3-cd]pyrene	ND	H	5.1	0.48	ug/L		10/28/15 15:05	10/30/15 15:24	1
Isophorone	ND	H	5.1	0.44	ug/L		10/28/15 15:05	10/30/15 15:24	1
Naphthalene	ND	H	5.1	0.78	ug/L		10/28/15 15:05	10/30/15 15:24	1
Nitrobenzene	ND	H	5.1	0.30	ug/L		10/28/15 15:05	10/30/15 15:24	1
N-Nitrosodi-n-propylamine	ND	H	5.1	0.55	ug/L		10/28/15 15:05	10/30/15 15:24	1
N-Nitrosodiphenylamine	ND	H	5.1	0.52	ug/L		10/28/15 15:05	10/30/15 15:24	1

Client Sample ID: TP-03-101415

Date Collected: 10/14/15 13:00
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND	H	10	2.2	ug/L		10/28/15 15:05	10/30/15 15:24	1
Phenanthrene	ND	H	5.1	0.45	ug/L		10/28/15 15:05	10/30/15 15:24	1
Phenol	ND	H	5.1	0.40	ug/L		10/28/15 15:05	10/30/15 15:24	1
Pyrene	ND	H	5.1	0.35	ug/L		10/28/15 15:05	10/30/15 15:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.2*	*T H J*	*ug/L*		*3.27*		*10/28/15 15:05*	*10/30/15 15:24*	*1*
Cyclohexane	*29*	*T H J N*	*ug/L*		*3.55*	*110-82-7*	*10/28/15 15:05*	*10/30/15 15:24*	*1*
Unknown	*160*	*T H J*	*ug/L*		*3.70*		*10/28/15 15:05*	*10/30/15 15:24*	*1*
Toluene	*7.2*	*T H J N*	*ug/L*		*4.76*	*108-88-3*	*10/28/15 15:05*	*10/30/15 15:24*	*1*
Unknown	*4.6*	*T H J*	*ug/L*		*5.44*		*10/28/15 15:05*	*10/30/15 15:24*	*1*
Decane	*3.5*	*T H J N*	*ug/L*		*6.69*	*124-18-5*	*10/28/15 15:05*	*10/30/15 15:24*	*1*
Unknown	*1.9*	*T H J*	*ug/L*		*10.78*		*10/28/15 15:05*	*10/30/15 15:24*	*1*
Unknown	*2.3*	*T H J*	*ug/L*		*11.34*		*10/28/15 15:05*	*10/30/15 15:24*	*1*
Unknown	*4.9*	*T H J*	*ug/L*		*12.37*		*10/28/15 15:05*	*10/30/15 15:24*	*1*
Unknown	*7.3*	*T H J*	*ug/L*		*12.84*		*10/28/15 15:05*	*10/30/15 15:24*	*1*
Unknown	*21*	*T H J*	*ug/L*		*15.02*		*10/28/15 15:05*	*10/30/15 15:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*10/28/15 15:05*	*10/30/15 15:24*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*10/28/15 15:05*	*10/30/15 15:24*	*1*
2-Fluorophenol (Surr)	*50*		*20 - 120*	*10/28/15 15:05*	*10/30/15 15:24*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 120*	*10/28/15 15:05*	*10/30/15 15:24*	*1*
Phenol-d5 (Surr)	*36*		*16 - 120*	*10/28/15 15:05*	*10/30/15 15:24*	*1*
p-Terphenyl-d14 (Surr)	*86*		*67 - 150*	*10/28/15 15:05*	*10/30/15 15:24*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.41**		0.20	0.060	mg/L		10/15/15 12:10	10/15/15 23:42	1
Antimony	ND		0.020	0.0068	mg/L		10/15/15 12:10	10/15/15 23:42	1
Arsenic	ND		0.015	0.0056	mg/L		10/15/15 12:10	10/15/15 23:42	1
Barium	**0.040**		0.0020	0.00070	mg/L		10/15/15 12:10	10/15/15 23:42	1
Beryllium	ND		0.0020	0.00030	mg/L		10/15/15 12:10	10/15/15 23:42	1
Cadmium	ND		0.0020	0.00050	mg/L		10/15/15 12:10	10/15/15 23:42	1
Calcium	**21.5**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:42	1
Chromium	**0.0013**	**J**	0.0040	0.0010	mg/L		10/15/15 12:10	10/15/15 23:42	1
Cobalt	ND		0.0040	0.00063	mg/L		10/15/15 12:10	10/15/15 23:42	1
Copper	ND		0.010	0.0016	mg/L		10/15/15 12:10	10/15/15 23:42	1
Iron	**1.1**		0.050	0.019	mg/L		10/15/15 12:10	10/15/15 23:42	1
Lead	**0.0039**	**J**	0.010	0.0030	mg/L		10/15/15 12:10	10/15/15 23:42	1
Magnesium	**4.6**		0.20	0.043	mg/L		10/15/15 12:10	10/15/15 23:42	1
Manganese	**0.062**		0.0030	0.00040	mg/L		10/15/15 12:10	10/15/15 23:42	1
Nickel	ND		0.010	0.0013	mg/L		10/15/15 12:10	10/15/15 23:42	1
Potassium	**64.5**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:42	1
Selenium	ND		0.025	0.0087	mg/L		10/15/15 12:10	10/15/15 23:42	1
Silver	ND		0.0060	0.0017	mg/L		10/15/15 12:10	10/15/15 23:42	1
Sodium	**29.0**		1.0	0.32	mg/L		10/15/15 12:10	10/15/15 23:42	1
Thallium	ND		0.020	0.010	mg/L		10/15/15 12:10	10/15/15 23:42	1
Vanadium	**0.0018**	**J**	0.0050	0.0015	mg/L		10/15/15 12:10	10/15/15 23:42	1
Zinc	**0.0072**	**J**	0.010	0.0015	mg/L		10/15/15 12:10	10/15/15 23:42	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Client Sample ID: TP-03-101415
Date Collected: 10/14/15 13:00
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-3
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.13		0.010	0.0050	mg/L		10/26/15 02:50	10/26/15 13:36	1

Client Sample ID: TP-03-F-101415

Date Collected: 10/14/15 13:12
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/15/15 14:47	10/23/15 20:11	1
2,4,6-Trichlorophenol	ND	*	5.1	0.63	ug/L		10/15/15 14:47	10/23/15 20:11	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/15/15 14:47	10/23/15 20:11	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/15/15 14:47	10/23/15 20:11	1
2,4-Dinitrophenol	ND	*	10	2.3	ug/L		10/15/15 14:47	10/23/15 20:11	1
2,4-Dinitrotoluene	ND	*	5.1	0.46	ug/L		10/15/15 14:47	10/23/15 20:11	1
2,6-Dinitrotoluene	ND	*	5.1	0.41	ug/L		10/15/15 14:47	10/23/15 20:11	1
2-Chloronaphthalene	ND	*	5.1	0.47	ug/L		10/15/15 14:47	10/23/15 20:11	1
2-Chlorophenol	ND	*	5.1	0.54	ug/L		10/15/15 14:47	10/23/15 20:11	1
2-Methylnaphthalene	ND	*	5.1	0.62	ug/L		10/15/15 14:47	10/23/15 20:11	1
2-Methylphenol	ND	*	5.1	0.41	ug/L		10/15/15 14:47	10/23/15 20:11	1
2-Nitroaniline	ND	*	10	0.43	ug/L		10/15/15 14:47	10/23/15 20:11	1
2-Nitrophenol	ND	*	5.1	0.49	ug/L		10/15/15 14:47	10/23/15 20:11	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/15/15 14:47	10/23/15 20:11	1
3-Nitroaniline	ND		10	0.49	ug/L		10/15/15 14:47	10/23/15 20:11	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		10/15/15 14:47	10/23/15 20:11	1
4-Bromophenyl phenyl ether	ND	*	5.1	0.46	ug/L		10/15/15 14:47	10/23/15 20:11	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/15/15 14:47	10/23/15 20:11	1
4-Chloroaniline	ND		5.1	0.61	ug/L		10/15/15 14:47	10/23/15 20:11	1
4-Chlorophenyl phenyl ether	ND	*	5.1	0.36	ug/L		10/15/15 14:47	10/23/15 20:11	1
4-Methylphenol	**0.47**	**J ***	10	0.37	ug/L		10/15/15 14:47	10/23/15 20:11	1
4-Nitroaniline	ND		10	0.26	ug/L		10/15/15 14:47	10/23/15 20:11	1
4-Nitrophenol	ND		10	1.6	ug/L		10/15/15 14:47	10/23/15 20:11	1
Acenaphthene	ND	*	5.1	0.42	ug/L		10/15/15 14:47	10/23/15 20:11	1
Acenaphthylene	ND	*	5.1	0.39	ug/L		10/15/15 14:47	10/23/15 20:11	1
Acetophenone	ND	*	5.1	0.55	ug/L		10/15/15 14:47	10/23/15 20:11	1
Anthracene	ND	*	5.1	0.29	ug/L		10/15/15 14:47	10/23/15 20:11	1
Atrazine	ND		5.1	0.47	ug/L		10/15/15 14:47	10/23/15 20:11	1
Benzaldehyde	**0.62**	**J ***	5.1	0.27	ug/L		10/15/15 14:47	10/23/15 20:11	1
Benzo[a]anthracene	ND	*	5.1	0.37	ug/L		10/15/15 14:47	10/23/15 20:11	1
Benzo[a]pyrene	ND	*	5.1	0.48	ug/L		10/15/15 14:47	10/23/15 20:11	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/15/15 14:47	10/23/15 20:11	1
Benzo[g,h,i]perylene	ND	*	5.1	0.36	ug/L		10/15/15 14:47	10/23/15 20:11	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/15/15 14:47	10/23/15 20:11	1
Biphenyl	ND	*	5.1	0.67	ug/L		10/15/15 14:47	10/23/15 20:11	1
bis (2-chloroisopropyl) ether	ND	*	5.1	0.53	ug/L		10/15/15 14:47	10/23/15 20:11	1
Bis(2-chloroethoxy)methane	ND	*	5.1	0.36	ug/L		10/15/15 14:47	10/23/15 20:11	1
Bis(2-chloroethyl)ether	ND	*	5.1	0.41	ug/L		10/15/15 14:47	10/23/15 20:11	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/15/15 14:47	10/23/15 20:11	1
Butyl benzyl phthalate	**0.44**	**J ***	5.1	0.43	ug/L		10/15/15 14:47	10/23/15 20:11	1
Caprolactam	ND		5.1	2.3	ug/L		10/15/15 14:47	10/23/15 20:11	1
Carbazole	ND	*	5.1	0.31	ug/L		10/15/15 14:47	10/23/15 20:11	1
Chrysene	ND	*	5.1	0.34	ug/L		10/15/15 14:47	10/23/15 20:11	1
Dibenz(a,h)anthracene	ND	*	5.1	0.43	ug/L		10/15/15 14:47	10/23/15 20:11	1
Dibenzofuran	ND	*	10	0.52	ug/L		10/15/15 14:47	10/23/15 20:11	1
Diethyl phthalate	**7.2**	****	5.1	0.23	ug/L		10/15/15 14:47	10/23/15 20:11	1
Dimethyl phthalate	ND	*	5.1	0.37	ug/L		10/15/15 14:47	10/23/15 20:11	1
Di-n-butyl phthalate	ND	*	5.1	0.32	ug/L		10/15/15 14:47	10/23/15 20:11	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/15/15 14:47	10/23/15 20:11	1

Client Sample ID: TP-03-F-101415

Date Collected: 10/14/15 13:12
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND	*	5.1	0.41	ug/L		10/15/15 14:47	10/23/15 20:11	1
Fluorene	ND	*	5.1	0.37	ug/L		10/15/15 14:47	10/23/15 20:11	1
Hexachlorobenzene	ND	*	5.1	0.52	ug/L		10/15/15 14:47	10/23/15 20:11	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/15/15 14:47	10/23/15 20:11	1
Hexachlorocyclopentadiene	ND		5.1	0.61	ug/L		10/15/15 14:47	10/23/15 20:11	1
Hexachloroethane	ND		5.1	0.61	ug/L		10/15/15 14:47	10/23/15 20:11	1
Indeno[1,2,3-cd]pyrene	ND	*	5.1	0.48	ug/L		10/15/15 14:47	10/23/15 20:11	1
Isophorone	ND	*	5.1	0.44	ug/L		10/15/15 14:47	10/23/15 20:11	1
Naphthalene	ND	*	5.1	0.78	ug/L		10/15/15 14:47	10/23/15 20:11	1
Nitrobenzene	ND	*	5.1	0.30	ug/L		10/15/15 14:47	10/23/15 20:11	1
N-Nitrosodi-n-propylamine	ND	*	5.1	0.55	ug/L		10/15/15 14:47	10/23/15 20:11	1
N-Nitrosodiphenylamine	ND	*	5.1	0.52	ug/L		10/15/15 14:47	10/23/15 20:11	1
Pentachlorophenol	ND		10	2.3	ug/L		10/15/15 14:47	10/23/15 20:11	1
Phenanthrene	ND	*	5.1	0.45	ug/L		10/15/15 14:47	10/23/15 20:11	1
Phenol	**0.46**	**J ***	5.1	0.40	ug/L		10/15/15 14:47	10/23/15 20:11	1
Pyrene	ND	*	5.1	0.35	ug/L		10/15/15 14:47	10/23/15 20:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*8.4*	*T J N*	*ug/L*		*3.49*	*110-82-7*	*10/15/15 14:47*	*10/23/15 20:11*	*1*
Unknown	*21*	*J N*	*ug/L*		*3.57*		*10/15/15 14:47*	*10/23/15 20:11*	*1*
Unknown	*70*	*T J*	*ug/L*		*3.74*		*10/15/15 14:47*	*10/23/15 20:11*	*1*
Unknown	*3.2*	*T J*	*ug/L*		*5.44*		*10/15/15 14:47*	*10/23/15 20:11*	*1*
p-Xylene	*2.4*	*T J N*	*ug/L*		*5.76*	*106-42-3*	*10/15/15 14:47*	*10/23/15 20:11*	*1*
Decane	*3.2*	*T J N*	*ug/L*		*6.67*	*124-18-5*	*10/15/15 14:47*	*10/23/15 20:11*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*3.1*	*T J N*	*ug/L*		*9.36*	*96-76-4*	*10/15/15 14:47*	*10/23/15 20:11*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*10.74*		*10/15/15 14:47*	*10/23/15 20:11*	*1*
Diphenyl sulfone	*1.7*	*T J N*	*ug/L*		*11.15*	*127-63-9*	*10/15/15 14:47*	*10/23/15 20:11*	*1*
Unknown	*14*	*T J*	*ug/L*		*11.72*		*10/15/15 14:47*	*10/23/15 20:11*	*1*
Octadecanoic acid	*5.5*	*T J N*	*ug/L*		*11.79*	*57-11-4*	*10/15/15 14:47*	*10/23/15 20:11*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*12.34*		*10/15/15 14:47*	*10/23/15 20:11*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*13.24*		*10/15/15 14:47*	*10/23/15 20:11*	*1*
Unknown	*3.2*	*T J*	*ug/L*		*14.04*		*10/15/15 14:47*	*10/23/15 20:11*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*14.62*		*10/15/15 14:47*	*10/23/15 20:11*	*1*
Erucylamide	*3.2*	*T J N*	*ug/L*		*14.76*	*112-84-5*	*10/15/15 14:47*	*10/23/15 20:11*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*14.96*		*10/15/15 14:47*	*10/23/15 20:11*	*1*
Unknown	*14*	*T J*	*ug/L*		*14.99*		*10/15/15 14:47*	*10/23/15 20:11*	*1*
Unknown	*20*	*T J*	*ug/L*		*16.57*		*10/15/15 14:47*	*10/23/15 20:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*52 - 132*	*10/15/15 14:47*	*10/23/15 20:11*	*1*
2-Fluorobiphenyl	*78*		*48 - 120*	*10/15/15 14:47*	*10/23/15 20:11*	*1*
2-Fluorophenol (Surr)	*53*		*20 - 120*	*10/15/15 14:47*	*10/23/15 20:11*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 120*	*10/15/15 14:47*	*10/23/15 20:11*	*1*
Phenol-d5 (Surr)	*39*		*16 - 120*	*10/15/15 14:47*	*10/23/15 20:11*	*1*
p-Terphenyl-d14 (Surr)	*81*		*67 - 150*	*10/15/15 14:47*	*10/23/15 20:11*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/15/15 12:10	10/15/15 23:46	1
Antimony	ND		0.020	0.0068	mg/L		10/15/15 12:10	10/15/15 23:46	1

Client Sample ID: TP-03-F-101415
Date Collected: 10/14/15 13:12
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/15/15 12:10	10/15/15 23:46	1
Barium	**0.035**		0.0020	0.00070	mg/L		10/15/15 12:10	10/15/15 23:46	1
Beryllium	ND		0.0020	0.00030	mg/L		10/15/15 12:10	10/15/15 23:46	1
Cadmium	ND		0.0020	0.00050	mg/L		10/15/15 12:10	10/15/15 23:46	1
Calcium	**19.3**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:46	1
Chromium	ND		0.0040	0.0010	mg/L		10/15/15 12:10	10/15/15 23:46	1
Cobalt	ND		0.0040	0.00063	mg/L		10/15/15 12:10	10/15/15 23:46	1
Copper	ND		0.010	0.0016	mg/L		10/15/15 12:10	10/15/15 23:46	1
Iron	**0.071**		0.050	0.019	mg/L		10/15/15 12:10	10/15/15 23:46	1
Lead	ND		0.010	0.0030	mg/L		10/15/15 12:10	10/15/15 23:46	1
Magnesium	**4.4**		0.20	0.043	mg/L		10/15/15 12:10	10/15/15 23:46	1
Manganese	**0.0095**		0.0030	0.00040	mg/L		10/15/15 12:10	10/15/15 23:46	1
Nickel	ND		0.010	0.0013	mg/L		10/15/15 12:10	10/15/15 23:46	1
Potassium	**65.7**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:46	1
Selenium	ND		0.025	0.0087	mg/L		10/15/15 12:10	10/15/15 23:46	1
Silver	ND		0.0060	0.0017	mg/L		10/15/15 12:10	10/15/15 23:46	1
Sodium	**29.3**		1.0	0.32	mg/L		10/15/15 12:10	10/15/15 23:46	1
Thallium	ND		0.020	0.010	mg/L		10/15/15 12:10	10/15/15 23:46	1
Vanadium	ND		0.0050	0.0015	mg/L		10/15/15 12:10	10/15/15 23:46	1
Zinc	ND		0.010	0.0015	mg/L		10/15/15 12:10	10/15/15 23:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.13**	**F1**	0.010	0.0050	mg/L		10/26/15 02:50	10/26/15 13:39	1

Client Sample ID: TP-04-101415

Date Collected: 10/14/15 15:05
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/15/15 14:47	10/23/15 20:40	1
2,4,6-Trichlorophenol	ND	*	5.1	0.62	ug/L		10/15/15 14:47	10/23/15 20:40	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/15/15 14:47	10/23/15 20:40	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/15/15 14:47	10/23/15 20:40	1
2,4-Dinitrophenol	ND	*	10	2.3	ug/L		10/15/15 14:47	10/23/15 20:40	1
2,4-Dinitrotoluene	ND	*	5.1	0.46	ug/L		10/15/15 14:47	10/23/15 20:40	1
2,6-Dinitrotoluene	ND	*	5.1	0.41	ug/L		10/15/15 14:47	10/23/15 20:40	1
2-Chloronaphthalene	ND	*	5.1	0.47	ug/L		10/15/15 14:47	10/23/15 20:40	1
2-Chlorophenol	ND	*	5.1	0.54	ug/L		10/15/15 14:47	10/23/15 20:40	1
2-Methylnaphthalene	ND	*	5.1	0.61	ug/L		10/15/15 14:47	10/23/15 20:40	1
2-Methylphenol	ND	*	5.1	0.41	ug/L		10/15/15 14:47	10/23/15 20:40	1
2-Nitroaniline	ND	*	10	0.43	ug/L		10/15/15 14:47	10/23/15 20:40	1
2-Nitrophenol	ND	*	5.1	0.49	ug/L		10/15/15 14:47	10/23/15 20:40	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/15/15 14:47	10/23/15 20:40	1
3-Nitroaniline	ND		10	0.49	ug/L		10/15/15 14:47	10/23/15 20:40	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.2	ug/L		10/15/15 14:47	10/23/15 20:40	1
4-Bromophenyl phenyl ether	ND	*	5.1	0.46	ug/L		10/15/15 14:47	10/23/15 20:40	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/15/15 14:47	10/23/15 20:40	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/15/15 14:47	10/23/15 20:40	1
4-Chlorophenyl phenyl ether	ND	*	5.1	0.36	ug/L		10/15/15 14:47	10/23/15 20:40	1
4-Methylphenol	ND	*	10	0.37	ug/L		10/15/15 14:47	10/23/15 20:40	1
4-Nitroaniline	ND		10	0.26	ug/L		10/15/15 14:47	10/23/15 20:40	1
4-Nitrophenol	ND		10	1.6	ug/L		10/15/15 14:47	10/23/15 20:40	1
Acenaphthene	ND	*	5.1	0.42	ug/L		10/15/15 14:47	10/23/15 20:40	1
Acenaphthylene	ND	*	5.1	0.39	ug/L		10/15/15 14:47	10/23/15 20:40	1
Acetophenone	ND	*	5.1	0.55	ug/L		10/15/15 14:47	10/23/15 20:40	1
Anthracene	**0.30**	**J ***	5.1	0.29	ug/L		10/15/15 14:47	10/23/15 20:40	1
Atrazine	ND		5.1	0.47	ug/L		10/15/15 14:47	10/23/15 20:40	1
Benzaldehyde	**0.53**	**J ***	5.1	0.27	ug/L		10/15/15 14:47	10/23/15 20:40	1
Benzo[a]anthracene	ND	*	5.1	0.37	ug/L		10/15/15 14:47	10/23/15 20:40	1
Benzo[a]pyrene	ND	*	5.1	0.48	ug/L		10/15/15 14:47	10/23/15 20:40	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/15/15 14:47	10/23/15 20:40	1
Benzo[g,h,i]perylene	ND	*	5.1	0.36	ug/L		10/15/15 14:47	10/23/15 20:40	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/15/15 14:47	10/23/15 20:40	1
Biphenyl	ND	*	5.1	0.67	ug/L		10/15/15 14:47	10/23/15 20:40	1
bis (2-chloroisopropyl) ether	ND	*	5.1	0.53	ug/L		10/15/15 14:47	10/23/15 20:40	1
Bis(2-chloroethoxy)methane	ND	*	5.1	0.36	ug/L		10/15/15 14:47	10/23/15 20:40	1
Bis(2-chloroethyl)ether	ND	*	5.1	0.41	ug/L		10/15/15 14:47	10/23/15 20:40	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/15/15 14:47	10/23/15 20:40	1
Butyl benzyl phthalate	ND	*	5.1	0.43	ug/L		10/15/15 14:47	10/23/15 20:40	1
Caprolactam	ND		5.1	2.2	ug/L		10/15/15 14:47	10/23/15 20:40	1
Carbazole	ND	*	5.1	0.31	ug/L		10/15/15 14:47	10/23/15 20:40	1
Chrysene	ND	*	5.1	0.34	ug/L		10/15/15 14:47	10/23/15 20:40	1
Dibenz(a,h)anthracene	ND	*	5.1	0.43	ug/L		10/15/15 14:47	10/23/15 20:40	1
Dibenzofuran	ND	*	10	0.52	ug/L		10/15/15 14:47	10/23/15 20:40	1
Diethyl phthalate	ND	*	5.1	0.22	ug/L		10/15/15 14:47	10/23/15 20:40	1
Dimethyl phthalate	ND	*	5.1	0.37	ug/L		10/15/15 14:47	10/23/15 20:40	1
Di-n-butyl phthalate	ND	*	5.1	0.32	ug/L		10/15/15 14:47	10/23/15 20:40	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/15/15 14:47	10/23/15 20:40	1

Client Sample ID: TP-04-101415

Date Collected: 10/14/15 15:05
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND	*	5.1	0.41	ug/L		10/15/15 14:47	10/23/15 20:40	1
Fluorene	ND	*	5.1	0.37	ug/L		10/15/15 14:47	10/23/15 20:40	1
Hexachlorobenzene	ND	*	5.1	0.52	ug/L		10/15/15 14:47	10/23/15 20:40	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/15/15 14:47	10/23/15 20:40	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/15/15 14:47	10/23/15 20:40	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/15/15 14:47	10/23/15 20:40	1
Indeno[1,2,3-cd]pyrene	ND	*	5.1	0.48	ug/L		10/15/15 14:47	10/23/15 20:40	1
Isophorone	ND	*	5.1	0.44	ug/L		10/15/15 14:47	10/23/15 20:40	1
Naphthalene	ND	*	5.1	0.78	ug/L		10/15/15 14:47	10/23/15 20:40	1
Nitrobenzene	ND	*	5.1	0.30	ug/L		10/15/15 14:47	10/23/15 20:40	1
N-Nitrosodi-n-propylamine	ND	*	5.1	0.55	ug/L		10/15/15 14:47	10/23/15 20:40	1
N-Nitrosodiphenylamine	ND	*	5.1	0.52	ug/L		10/15/15 14:47	10/23/15 20:40	1
Pentachlorophenol	ND		10	2.2	ug/L		10/15/15 14:47	10/23/15 20:40	1
Phenanthrene	ND	*	5.1	0.45	ug/L		10/15/15 14:47	10/23/15 20:40	1
Phenol	ND	*	5.1	0.40	ug/L		10/15/15 14:47	10/23/15 20:40	1
Pyrene	ND	*	5.1	0.35	ug/L		10/15/15 14:47	10/23/15 20:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*19*	*T J*	*ug/L*		*3.57*		*10/15/15 14:47*	*10/23/15 20:40*	*1*
Unknown	*57*	*T J*	*ug/L*		*3.73*		*10/15/15 14:47*	*10/23/15 20:40*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*5.44*		*10/15/15 14:47*	*10/23/15 20:40*	*1*
Decane	*2.6*	*T J N*	*ug/L*		*6.67*	*124-18-5*	*10/15/15 14:47*	*10/23/15 20:40*	*1*
Cyclohexasiloxane, dodecamethyl-	*1.8*	*T J N*	*ug/L*		*8.29*	*540-97-6*	*10/15/15 14:47*	*10/23/15 20:40*	*1*
Unknown	*18*	*T J*	*ug/L*		*11.72*		*10/15/15 14:47*	*10/23/15 20:40*	*1*
Octadecanoic acid	*4.6*	*T J N*	*ug/L*		*11.79*	*57-11-4*	*10/15/15 14:47*	*10/23/15 20:40*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*12.34*		*10/15/15 14:47*	*10/23/15 20:40*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*12.79*		*10/15/15 14:47*	*10/23/15 20:40*	*1*
9-Octadecenamide, (Z)-	*7.1*	*T J N*	*ug/L*		*14.76*	*301-02-0*	*10/15/15 14:47*	*10/23/15 20:40*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*14.96*		*10/15/15 14:47*	*10/23/15 20:40*	*1*
Unknown	*10*	*T J*	*ug/L*		*14.99*		*10/15/15 14:47*	*10/23/15 20:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*52 - 132*	*10/15/15 14:47*	*10/23/15 20:40*	*1*
2-Fluorobiphenyl	*73*		*48 - 120*	*10/15/15 14:47*	*10/23/15 20:40*	*1*
2-Fluorophenol (Surr)	*45*		*20 - 120*	*10/15/15 14:47*	*10/23/15 20:40*	*1*
Nitrobenzene-d5 (Surr)	*55*		*46 - 120*	*10/15/15 14:47*	*10/23/15 20:40*	*1*
Phenol-d5 (Surr)	*32*		*16 - 120*	*10/15/15 14:47*	*10/23/15 20:40*	*1*
p-Terphenyl-d14 (Surr)	*78*		*67 - 150*	*10/15/15 14:47*	*10/23/15 20:40*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.22**		0.20	0.060	mg/L		10/15/15 12:10	10/15/15 23:49	1
Antimony	ND		0.020	0.0068	mg/L		10/15/15 12:10	10/15/15 23:49	1
Arsenic	ND		0.015	0.0056	mg/L		10/15/15 12:10	10/15/15 23:49	1
Barium	**0.063**		0.0020	0.00070	mg/L		10/15/15 12:10	10/15/15 23:49	1
Beryllium	ND		0.0020	0.00030	mg/L		10/15/15 12:10	10/15/15 23:49	1
Cadmium	ND		0.0020	0.00050	mg/L		10/15/15 12:10	10/15/15 23:49	1
Calcium	**91.9**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:49	1
Chromium	ND		0.0040	0.0010	mg/L		10/15/15 12:10	10/15/15 23:49	1
Cobalt	ND		0.0040	0.00063	mg/L		10/15/15 12:10	10/15/15 23:49	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Client Sample ID: TP-04-101415
Date Collected: 10/14/15 15:05
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.010	0.0016	mg/L		10/15/15 12:10	10/15/15 23:49	1
Iron	**0.45**		0.050	0.019	mg/L		10/15/15 12:10	10/15/15 23:49	1
Lead	ND		0.010	0.0030	mg/L		10/15/15 12:10	10/15/15 23:49	1
Magnesium	**10.7**		0.20	0.043	mg/L		10/15/15 12:10	10/15/15 23:49	1
Manganese	**0.42**		0.0030	0.00040	mg/L		10/15/15 12:10	10/15/15 23:49	1
Nickel	ND		0.010	0.0013	mg/L		10/15/15 12:10	10/15/15 23:49	1
Potassium	**32.0**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:49	1
Selenium	ND		0.025	0.0087	mg/L		10/15/15 12:10	10/15/15 23:49	1
Silver	ND		0.0060	0.0017	mg/L		10/15/15 12:10	10/15/15 23:49	1
Sodium	**22.9**		1.0	0.32	mg/L		10/15/15 12:10	10/15/15 23:49	1
Thallium	ND		0.020	0.010	mg/L		10/15/15 12:10	10/15/15 23:49	1
Vanadium	ND		0.0050	0.0015	mg/L		10/15/15 12:10	10/15/15 23:49	1
Zinc	**0.0027**	**J**	0.010	0.0015	mg/L		10/15/15 12:10	10/15/15 23:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.034**		0.010	0.0050	mg/L		10/26/15 02:50	10/26/15 13:42	1

Client Sample ID: TP-04-F-101415
Date Collected: 10/14/15 15:15
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/15/15 14:47	10/23/15 21:09	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		10/15/15 14:47	10/23/15 21:09	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/15/15 14:47	10/23/15 21:09	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/15/15 14:47	10/23/15 21:09	1
2,4-Dinitrophenol	ND	*	10	2.2	ug/L		10/15/15 14:47	10/23/15 21:09	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		10/15/15 14:47	10/23/15 21:09	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		10/15/15 14:47	10/23/15 21:09	1
2-Chloronaphthalene	ND	*	5.0	0.46	ug/L		10/15/15 14:47	10/23/15 21:09	1
2-Chlorophenol	ND	*	5.0	0.53	ug/L		10/15/15 14:47	10/23/15 21:09	1
2-Methylnaphthalene	ND	*	5.0	0.60	ug/L		10/15/15 14:47	10/23/15 21:09	1
2-Methylphenol	ND	*	5.0	0.40	ug/L		10/15/15 14:47	10/23/15 21:09	1
2-Nitroaniline	ND	*	10	0.42	ug/L		10/15/15 14:47	10/23/15 21:09	1
2-Nitrophenol	ND	*	5.0	0.48	ug/L		10/15/15 14:47	10/23/15 21:09	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/15/15 14:47	10/23/15 21:09	1
3-Nitroaniline	ND		10	0.48	ug/L		10/15/15 14:47	10/23/15 21:09	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.2	ug/L		10/15/15 14:47	10/23/15 21:09	1
4-Bromophenyl phenyl ether	ND	*	5.0	0.45	ug/L		10/15/15 14:47	10/23/15 21:09	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/15/15 14:47	10/23/15 21:09	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/15/15 14:47	10/23/15 21:09	1
4-Chlorophenyl phenyl ether	ND	*	5.0	0.35	ug/L		10/15/15 14:47	10/23/15 21:09	1
4-Methylphenol	ND	*	10	0.36	ug/L		10/15/15 14:47	10/23/15 21:09	1
4-Nitroaniline	ND		10	0.25	ug/L		10/15/15 14:47	10/23/15 21:09	1
4-Nitrophenol	ND		10	1.5	ug/L		10/15/15 14:47	10/23/15 21:09	1
Acenaphthene	ND	*	5.0	0.41	ug/L		10/15/15 14:47	10/23/15 21:09	1
Acenaphthylene	ND	*	5.0	0.38	ug/L		10/15/15 14:47	10/23/15 21:09	1
Acetophenone	ND	*	5.0	0.54	ug/L		10/15/15 14:47	10/23/15 21:09	1
Anthracene	ND	*	5.0	0.28	ug/L		10/15/15 14:47	10/23/15 21:09	1
Atrazine	ND		5.0	0.46	ug/L		10/15/15 14:47	10/23/15 21:09	1
Benzaldehyde	**0.62**	**J ***	5.0	0.27	ug/L		10/15/15 14:47	10/23/15 21:09	1
Benzo[a]anthracene	ND	*	5.0	0.36	ug/L		10/15/15 14:47	10/23/15 21:09	1
Benzo[a]pyrene	ND	*	5.0	0.47	ug/L		10/15/15 14:47	10/23/15 21:09	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/15/15 14:47	10/23/15 21:09	1
Benzo[g,h,i]perylene	ND	*	5.0	0.35	ug/L		10/15/15 14:47	10/23/15 21:09	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/15/15 14:47	10/23/15 21:09	1
Biphenyl	ND	*	5.0	0.66	ug/L		10/15/15 14:47	10/23/15 21:09	1
bis (2-chloroisopropyl) ether	ND	*	5.0	0.52	ug/L		10/15/15 14:47	10/23/15 21:09	1
Bis(2-chloroethoxy)methane	ND	*	5.0	0.35	ug/L		10/15/15 14:47	10/23/15 21:09	1
Bis(2-chloroethyl)ether	ND	*	5.0	0.40	ug/L		10/15/15 14:47	10/23/15 21:09	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/15/15 14:47	10/23/15 21:09	1
Butyl benzyl phthalate	ND	*	5.0	0.42	ug/L		10/15/15 14:47	10/23/15 21:09	1
Caprolactam	ND		5.0	2.2	ug/L		10/15/15 14:47	10/23/15 21:09	1
Carbazole	ND	*	5.0	0.30	ug/L		10/15/15 14:47	10/23/15 21:09	1
Chrysene	ND	*	5.0	0.33	ug/L		10/15/15 14:47	10/23/15 21:09	1
Dibenz(a,h)anthracene	ND	*	5.0	0.42	ug/L		10/15/15 14:47	10/23/15 21:09	1
Dibenzofuran	ND	*	10	0.51	ug/L		10/15/15 14:47	10/23/15 21:09	1
Diethyl phthalate	ND	*	5.0	0.22	ug/L		10/15/15 14:47	10/23/15 21:09	1
Dimethyl phthalate	ND	*	5.0	0.36	ug/L		10/15/15 14:47	10/23/15 21:09	1
Di-n-butyl phthalate	ND	*	5.0	0.31	ug/L		10/15/15 14:47	10/23/15 21:09	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/15/15 14:47	10/23/15 21:09	1

Client Sample ID: TP-04-F-101415

Date Collected: 10/14/15 15:15
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND	*	5.0	0.40	ug/L		10/15/15 14:47	10/23/15 21:09	1
Fluorene	ND	*	5.0	0.36	ug/L		10/15/15 14:47	10/23/15 21:09	1
Hexachlorobenzene	ND	*	5.0	0.51	ug/L		10/15/15 14:47	10/23/15 21:09	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/15/15 14:47	10/23/15 21:09	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/15/15 14:47	10/23/15 21:09	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/15/15 14:47	10/23/15 21:09	1
Indeno[1,2,3-cd]pyrene	ND	*	5.0	0.47	ug/L		10/15/15 14:47	10/23/15 21:09	1
Isophorone	ND	*	5.0	0.43	ug/L		10/15/15 14:47	10/23/15 21:09	1
Naphthalene	ND	*	5.0	0.76	ug/L		10/15/15 14:47	10/23/15 21:09	1
Nitrobenzene	ND	*	5.0	0.29	ug/L		10/15/15 14:47	10/23/15 21:09	1
N-Nitrosodi-n-propylamine	ND	*	5.0	0.54	ug/L		10/15/15 14:47	10/23/15 21:09	1
N-Nitrosodiphenylamine	ND	*	5.0	0.51	ug/L		10/15/15 14:47	10/23/15 21:09	1
Pentachlorophenol	ND		10	2.2	ug/L		10/15/15 14:47	10/23/15 21:09	1
Phenanthrene	ND	*	5.0	0.44	ug/L		10/15/15 14:47	10/23/15 21:09	1
Phenol	ND	*	5.0	0.39	ug/L		10/15/15 14:47	10/23/15 21:09	1
Pyrene	ND	*	5.0	0.34	ug/L		10/15/15 14:47	10/23/15 21:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*6.8*	*T J N*	*ug/L*		*3.50*	*110-82-7*	*10/15/15 14:47*	*10/23/15 21:09*	*1*
Unknown	*20*	*J N*	*ug/L*		*3.56*		*10/15/15 14:47*	*10/23/15 21:09*	*1*
Unknown	*72*	*T J*	*ug/L*		*3.74*		*10/15/15 14:47*	*10/23/15 21:09*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*5.44*		*10/15/15 14:47*	*10/23/15 21:09*	*1*
Decane	*3.6*	*T J N*	*ug/L*		*6.67*	*124-18-5*	*10/15/15 14:47*	*10/23/15 21:09*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*2.1*	*T J N*	*ug/L*		*9.35*	*96-76-4*	*10/15/15 14:47*	*10/23/15 21:09*	*1*
n-Hexadecanoic acid	*5.9*	*T J N*	*ug/L*		*11.05*	*57-10-3*	*10/15/15 14:47*	*10/23/15 21:09*	*1*
Diphenyl sulfone	*2.6*	*T J N*	*ug/L*		*11.15*	*127-63-9*	*10/15/15 14:47*	*10/23/15 21:09*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*12.34*		*10/15/15 14:47*	*10/23/15 21:09*	*1*
Unknown	*7.0*	*T J*	*ug/L*		*14.08*		*10/15/15 14:47*	*10/23/15 21:09*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*14.62*		*10/15/15 14:47*	*10/23/15 21:09*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*14.96*		*10/15/15 14:47*	*10/23/15 21:09*	*1*
Unknown	*9.2*	*T J*	*ug/L*		*14.99*		*10/15/15 14:47*	*10/23/15 21:09*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*16.54*		*10/15/15 14:47*	*10/23/15 21:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*52 - 132*	*10/15/15 14:47*	*10/23/15 21:09*	*1*
2-Fluorobiphenyl	*79*		*48 - 120*	*10/15/15 14:47*	*10/23/15 21:09*	*1*
2-Fluorophenol (Surr)	*57*		*20 - 120*	*10/15/15 14:47*	*10/23/15 21:09*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 120*	*10/15/15 14:47*	*10/23/15 21:09*	*1*
Phenol-d5 (Surr)	*41*		*16 - 120*	*10/15/15 14:47*	*10/23/15 21:09*	*1*
p-Terphenyl-d14 (Surr)	*81*		*67 - 150*	*10/15/15 14:47*	*10/23/15 21:09*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/15/15 12:10	10/15/15 23:52	1
Antimony	ND		0.020	0.0068	mg/L		10/15/15 12:10	10/15/15 23:52	1
Arsenic	ND		0.015	0.0056	mg/L		10/15/15 12:10	10/15/15 23:52	1
Barium	**0.061**		0.0020	0.00070	mg/L		10/15/15 12:10	10/15/15 23:52	1
Beryllium	ND		0.0020	0.00030	mg/L		10/15/15 12:10	10/15/15 23:52	1
Cadmium	ND		0.0020	0.00050	mg/L		10/15/15 12:10	10/15/15 23:52	1
Calcium	**88.9**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:52	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Client Sample ID: TP-04-F-101415
Date Collected: 10/14/15 15:15
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-6
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		10/15/15 12:10	10/15/15 23:52	1
Cobalt	ND		0.0040	0.00063	mg/L		10/15/15 12:10	10/15/15 23:52	1
Copper	ND		0.010	0.0016	mg/L		10/15/15 12:10	10/15/15 23:52	1
Iron	**0.071**		0.050	0.019	mg/L		10/15/15 12:10	10/15/15 23:52	1
Lead	ND		0.010	0.0030	mg/L		10/15/15 12:10	10/15/15 23:52	1
Magnesium	**10.6**		0.20	0.043	mg/L		10/15/15 12:10	10/15/15 23:52	1
Manganese	**0.39**		0.0030	0.00040	mg/L		10/15/15 12:10	10/15/15 23:52	1
Nickel	ND		0.010	0.0013	mg/L		10/15/15 12:10	10/15/15 23:52	1
Potassium	**33.1**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:52	1
Selenium	ND		0.025	0.0087	mg/L		10/15/15 12:10	10/15/15 23:52	1
Silver	ND		0.0060	0.0017	mg/L		10/15/15 12:10	10/15/15 23:52	1
Sodium	**23.0**		1.0	0.32	mg/L		10/15/15 12:10	10/15/15 23:52	1
Thallium	ND		0.020	0.010	mg/L		10/15/15 12:10	10/15/15 23:52	1
Vanadium	ND		0.0050	0.0015	mg/L		10/15/15 12:10	10/15/15 23:52	1
Zinc	ND		0.010	0.0015	mg/L		10/15/15 12:10	10/15/15 23:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.034**		0.010	0.0050	mg/L		10/26/15 02:50	10/26/15 13:43	1

Client Sample ID: FB-101415

Date Collected: 10/14/15 15:56
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-7

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.7	0.55	ug/L		10/15/15 14:47	10/23/15 21:38	1
2,4,6-Trichlorophenol	ND	*	5.7	0.69	ug/L		10/15/15 14:47	10/23/15 21:38	1
2,4-Dichlorophenol	ND		5.7	0.58	ug/L		10/15/15 14:47	10/23/15 21:38	1
2,4-Dimethylphenol	ND		5.7	0.57	ug/L		10/15/15 14:47	10/23/15 21:38	1
2,4-Dinitrophenol	ND	*	11	2.5	ug/L		10/15/15 14:47	10/23/15 21:38	1
2,4-Dinitrotoluene	ND	*	5.7	0.51	ug/L		10/15/15 14:47	10/23/15 21:38	1
2,6-Dinitrotoluene	ND	*	5.7	0.46	ug/L		10/15/15 14:47	10/23/15 21:38	1
2-Chloronaphthalene	ND	*	5.7	0.52	ug/L		10/15/15 14:47	10/23/15 21:38	1
2-Chlorophenol	ND	*	5.7	0.60	ug/L		10/15/15 14:47	10/23/15 21:38	1
2-Methylnaphthalene	ND	*	5.7	0.68	ug/L		10/15/15 14:47	10/23/15 21:38	1
2-Methylphenol	ND	*	5.7	0.46	ug/L		10/15/15 14:47	10/23/15 21:38	1
2-Nitroaniline	ND	*	11	0.48	ug/L		10/15/15 14:47	10/23/15 21:38	1
2-Nitrophenol	ND	*	5.7	0.55	ug/L		10/15/15 14:47	10/23/15 21:38	1
3,3'-Dichlorobenzidine	ND		5.7	0.46	ug/L		10/15/15 14:47	10/23/15 21:38	1
3-Nitroaniline	ND		11	0.55	ug/L		10/15/15 14:47	10/23/15 21:38	1
4,6-Dinitro-2-methylphenol	ND	*	11	2.5	ug/L		10/15/15 14:47	10/23/15 21:38	1
4-Bromophenyl phenyl ether	ND	*	5.7	0.51	ug/L		10/15/15 14:47	10/23/15 21:38	1
4-Chloro-3-methylphenol	ND		5.7	0.51	ug/L		10/15/15 14:47	10/23/15 21:38	1
4-Chloroaniline	ND		5.7	0.67	ug/L		10/15/15 14:47	10/23/15 21:38	1
4-Chlorophenyl phenyl ether	ND	*	5.7	0.40	ug/L		10/15/15 14:47	10/23/15 21:38	1
4-Methylphenol	ND	*	11	0.41	ug/L		10/15/15 14:47	10/23/15 21:38	1
4-Nitroaniline	ND		11	0.28	ug/L		10/15/15 14:47	10/23/15 21:38	1
4-Nitrophenol	ND		11	1.7	ug/L		10/15/15 14:47	10/23/15 21:38	1
Acenaphthene	ND	*	5.7	0.47	ug/L		10/15/15 14:47	10/23/15 21:38	1
Acenaphthylene	ND	*	5.7	0.43	ug/L		10/15/15 14:47	10/23/15 21:38	1
Acetophenone	**2.4**	**J ***	5.7	0.61	ug/L		10/15/15 14:47	10/23/15 21:38	1
Anthracene	ND	*	5.7	0.32	ug/L		10/15/15 14:47	10/23/15 21:38	1
Atrazine	ND		5.7	0.52	ug/L		10/15/15 14:47	10/23/15 21:38	1
Benzaldehyde	**0.73**	**J ***	5.7	0.30	ug/L		10/15/15 14:47	10/23/15 21:38	1
Benzo[a]anthracene	ND	*	5.7	0.41	ug/L		10/15/15 14:47	10/23/15 21:38	1
Benzo[a]pyrene	ND	*	5.7	0.54	ug/L		10/15/15 14:47	10/23/15 21:38	1
Benzo[b]fluoranthene	ND		5.7	0.39	ug/L		10/15/15 14:47	10/23/15 21:38	1
Benzo[g,h,i]perylene	ND	*	5.7	0.40	ug/L		10/15/15 14:47	10/23/15 21:38	1
Benzo[k]fluoranthene	ND		5.7	0.83	ug/L		10/15/15 14:47	10/23/15 21:38	1
Biphenyl	ND	*	5.7	0.74	ug/L		10/15/15 14:47	10/23/15 21:38	1
bis (2-chloroisopropyl) ether	ND	*	5.7	0.59	ug/L		10/15/15 14:47	10/23/15 21:38	1
Bis(2-chloroethoxy)methane	ND	*	5.7	0.40	ug/L		10/15/15 14:47	10/23/15 21:38	1
Bis(2-chloroethyl)ether	ND	*	5.7	0.46	ug/L		10/15/15 14:47	10/23/15 21:38	1
Bis(2-ethylhexyl) phthalate	ND		5.7	2.0	ug/L		10/15/15 14:47	10/23/15 21:38	1
Butyl benzyl phthalate	ND	*	5.7	0.48	ug/L		10/15/15 14:47	10/23/15 21:38	1
Caprolactam	ND		5.7	2.5	ug/L		10/15/15 14:47	10/23/15 21:38	1
Carbazole	ND	*	5.7	0.34	ug/L		10/15/15 14:47	10/23/15 21:38	1
Chrysene	ND	*	5.7	0.38	ug/L		10/15/15 14:47	10/23/15 21:38	1
Dibenz(a,h)anthracene	ND	*	5.7	0.48	ug/L		10/15/15 14:47	10/23/15 21:38	1
Dibenzofuran	ND	*	11	0.58	ug/L		10/15/15 14:47	10/23/15 21:38	1
Diethyl phthalate	**6.2**	****	5.7	0.25	ug/L		10/15/15 14:47	10/23/15 21:38	1
Dimethyl phthalate	**1.2**	**J ***	5.7	0.41	ug/L		10/15/15 14:47	10/23/15 21:38	1
Di-n-butyl phthalate	ND	*	5.7	0.35	ug/L		10/15/15 14:47	10/23/15 21:38	1
Di-n-octyl phthalate	ND		5.7	0.54	ug/L		10/15/15 14:47	10/23/15 21:38	1

Client Sample ID: FB-101415

Date Collected: 10/14/15 15:56
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-7

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND	*	5.7	0.46	ug/L		10/15/15 14:47	10/23/15 21:38	1
Fluorene	ND	*	5.7	0.41	ug/L		10/15/15 14:47	10/23/15 21:38	1
Hexachlorobenzene	ND	*	5.7	0.58	ug/L		10/15/15 14:47	10/23/15 21:38	1
Hexachlorobutadiene	ND		5.7	0.77	ug/L		10/15/15 14:47	10/23/15 21:38	1
Hexachlorocyclopentadiene	ND		5.7	0.67	ug/L		10/15/15 14:47	10/23/15 21:38	1
Hexachloroethane	ND		5.7	0.67	ug/L		10/15/15 14:47	10/23/15 21:38	1
Indeno[1,2,3-cd]pyrene	ND	*	5.7	0.54	ug/L		10/15/15 14:47	10/23/15 21:38	1
Isophorone	**3.4**	**J ***	5.7	0.49	ug/L		10/15/15 14:47	10/23/15 21:38	1
Naphthalene	ND	*	5.7	0.87	ug/L		10/15/15 14:47	10/23/15 21:38	1
Nitrobenzene	ND	*	5.7	0.33	ug/L		10/15/15 14:47	10/23/15 21:38	1
N-Nitrosodi-n-propylamine	ND	*	5.7	0.61	ug/L		10/15/15 14:47	10/23/15 21:38	1
N-Nitrosodiphenylamine	ND	*	5.7	0.58	ug/L		10/15/15 14:47	10/23/15 21:38	1
Pentachlorophenol	ND		11	2.5	ug/L		10/15/15 14:47	10/23/15 21:38	1
Phenanthrene	ND	*	5.7	0.50	ug/L		10/15/15 14:47	10/23/15 21:38	1
Phenol	**4.5**	**J ***	5.7	0.44	ug/L		10/15/15 14:47	10/23/15 21:38	1
Pyrene	ND	*	5.7	0.39	ug/L		10/15/15 14:47	10/23/15 21:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.5*	*T J*	*ug/L*		*3.51*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*11*	*T J*	*ug/L*		*3.56*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*46*	*T J*	*ug/L*		*3.74*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*5.44*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*9.3*	*T J*	*ug/L*		*7.63*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Ethanol, 1-(2-butoxyethoxy)-	*3.1*	*T J N*	*ug/L*		*7.79*	*54446-78-5*	*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*72*	*T J*	*ug/L*		*8.71*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*96*	*T J*	*ug/L*		*8.79*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Diethyltoluamide	*23*	*T J N*	*ug/L*		*9.69*	*134-62-3*	*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*24*	*T J*	*ug/L*		*11.71*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*9.2*	*T J*	*ug/L*		*12.34*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*19*	*T J*	*ug/L*		*12.78*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*13.24*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*18*	*T J*	*ug/L*		*13.57*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*14.04*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*14.61*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*11*	*T J*	*ug/L*		*14.76*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*16*	*T J*	*ug/L*		*14.99*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*16.14*		*10/15/15 14:47*	*10/23/15 21:38*	*1*
Unknown	*23*	*T J*	*ug/L*		*16.56*		*10/15/15 14:47*	*10/23/15 21:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*52 - 132*	*10/15/15 14:47*	*10/23/15 21:38*	*1*
2-Fluorobiphenyl	*79*		*48 - 120*	*10/15/15 14:47*	*10/23/15 21:38*	*1*
2-Fluorophenol (Surr)	*53*		*20 - 120*	*10/15/15 14:47*	*10/23/15 21:38*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*10/15/15 14:47*	*10/23/15 21:38*	*1*
Phenol-d5 (Surr)	*42*		*16 - 120*	*10/15/15 14:47*	*10/23/15 21:38*	*1*
p-Terphenyl-d14 (Surr)	*95*		*67 - 150*	*10/15/15 14:47*	*10/23/15 21:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/15/15 12:10	10/15/15 23:55	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Client Sample ID: FB-101415
Date Collected: 10/14/15 15:56
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-7
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/15/15 12:10	10/15/15 23:55	1
Arsenic	ND		0.015	0.0056	mg/L		10/15/15 12:10	10/15/15 23:55	1
Barium	ND		0.0020	0.00070	mg/L		10/15/15 12:10	10/15/15 23:55	1
Beryllium	ND		0.0020	0.00030	mg/L		10/15/15 12:10	10/15/15 23:55	1
Cadmium	ND		0.0020	0.00050	mg/L		10/15/15 12:10	10/15/15 23:55	1
Calcium	**8.3**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:55	1
Chromium	ND		0.0040	0.0010	mg/L		10/15/15 12:10	10/15/15 23:55	1
Cobalt	ND		0.0040	0.00063	mg/L		10/15/15 12:10	10/15/15 23:55	1
Copper	ND		0.010	0.0016	mg/L		10/15/15 12:10	10/15/15 23:55	1
Iron	ND		0.050	0.019	mg/L		10/15/15 12:10	10/15/15 23:55	1
Lead	ND		0.010	0.0030	mg/L		10/15/15 12:10	10/15/15 23:55	1
Magnesium	**1.1**		0.20	0.043	mg/L		10/15/15 12:10	10/15/15 23:55	1
Manganese	ND		0.0030	0.00040	mg/L		10/15/15 12:10	10/15/15 23:55	1
Nickel	ND		0.010	0.0013	mg/L		10/15/15 12:10	10/15/15 23:55	1
Potassium	**0.72**		0.50	0.10	mg/L		10/15/15 12:10	10/15/15 23:55	1
Selenium	ND		0.025	0.0087	mg/L		10/15/15 12:10	10/15/15 23:55	1
Silver	ND		0.0060	0.0017	mg/L		10/15/15 12:10	10/15/15 23:55	1
Sodium	**12.1**		1.0	0.32	mg/L		10/15/15 12:10	10/15/15 23:55	1
Thallium	ND		0.020	0.010	mg/L		10/15/15 12:10	10/15/15 23:55	1
Vanadium	ND		0.0050	0.0015	mg/L		10/15/15 12:10	10/15/15 23:55	1
Zinc	ND		0.010	0.0015	mg/L		10/15/15 12:10	10/15/15 23:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/26/15 02:50	10/26/15 13:45	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Client Sample ID: TP-02-101415
Date Collected: 10/14/15 10:15
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269019	10/15/15 14:47	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270713	10/23/15 18:44	DMR	TAL BUF
Total/NA	Prep	3005A			268970	10/15/15 12:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	269140	10/15/15 23:36	AMH	TAL BUF
Total/NA	Prep	9012B			270977	10/25/15 09:26	EKB	TAL BUF
Total/NA	Analysis	9012B		1	271154	10/26/15 13:16	JJK	TAL BUF

Client Sample ID: TP-02-F-101415
Date Collected: 10/14/15 10:20
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269019	10/15/15 14:47	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270713	10/23/15 19:13	DMR	TAL BUF
Total/NA	Prep	3005A			268970	10/15/15 12:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	269140	10/15/15 23:39	AMH	TAL BUF
Total/NA	Prep	9012B			270993	10/26/15 02:50	LAW	TAL BUF
Total/NA	Analysis	9012B		1	271154	10/26/15 13:46	JJK	TAL BUF

Client Sample ID: TP-03-101415
Date Collected: 10/14/15 13:00
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269019	10/15/15 14:47	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270713	10/23/15 19:42	DMR	TAL BUF
Total/NA	Prep	3510C	RE		271668	10/28/15 15:05	CPH	TAL BUF
Total/NA	Analysis	8270D	RE	1	272094	10/30/15 15:24	LMW	TAL BUF
Total/NA	Prep	3005A			268970	10/15/15 12:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	269140	10/15/15 23:42	AMH	TAL BUF
Total/NA	Prep	9012B			270993	10/26/15 02:50	LAW	TAL BUF
Total/NA	Analysis	9012B		1	271154	10/26/15 13:36	JJK	TAL BUF

Client Sample ID: TP-03-F-101415
Date Collected: 10/14/15 13:12
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269019	10/15/15 14:47	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270713	10/23/15 20:11	DMR	TAL BUF
Total/NA	Prep	3005A			268970	10/15/15 12:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	269140	10/15/15 23:46	AMH	TAL BUF
Total/NA	Prep	9012B			270993	10/26/15 02:50	LAW	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Client Sample ID: TP-03-F-101415
Date Collected: 10/14/15 13:12
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9012B		1	271154	10/26/15 13:39	JJK	TAL BUF

Client Sample ID: TP-04-101415
Date Collected: 10/14/15 15:05
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269019	10/15/15 14:47	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270713	10/23/15 20:40	DMR	TAL BUF
Total/NA	Prep	3005A			268970	10/15/15 12:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	269140	10/15/15 23:49	AMH	TAL BUF
Total/NA	Prep	9012B			270993	10/26/15 02:50	LAW	TAL BUF
Total/NA	Analysis	9012B		1	271154	10/26/15 13:42	JJK	TAL BUF

Client Sample ID: TP-04-F-101415
Date Collected: 10/14/15 15:15
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269019	10/15/15 14:47	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270713	10/23/15 21:09	DMR	TAL BUF
Total/NA	Prep	3005A			268970	10/15/15 12:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	269140	10/15/15 23:52	AMH	TAL BUF
Total/NA	Prep	9012B			270993	10/26/15 02:50	LAW	TAL BUF
Total/NA	Analysis	9012B		1	271154	10/26/15 13:43	JJK	TAL BUF

Client Sample ID: FB-101415
Date Collected: 10/14/15 15:56
Date Received: 10/14/15 16:36

Lab Sample ID: 480-89110-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269019	10/15/15 14:47	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270713	10/23/15 21:38	DMR	TAL BUF
Total/NA	Prep	3005A			268970	10/15/15 12:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	269140	10/15/15 23:55	AMH	TAL BUF
Total/NA	Prep	9012B			270993	10/26/15 02:50	LAW	TAL BUF
Total/NA	Analysis	9012B		1	271154	10/26/15 13:45	JJK	TAL BUF

Laboratory References:
TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89110-1	TP-02-101415	Water	10/14/15 10:15	10/14/15 16:36
480-89110-2	TP-02-F-101415	Water	10/14/15 10:20	10/14/15 16:36
480-89110-3	TP-03-101415	Water	10/14/15 13:00	10/14/15 16:36
480-89110-4	TP-03-F-101415	Water	10/14/15 13:12	10/14/15 16:36
480-89110-5	TP-04-101415	Water	10/14/15 15:05	10/14/15 16:36
480-89110-6	TP-04-F-101415	Water	10/14/15 15:15	10/14/15 16:36
480-89110-7	FB-101415	Water	10/14/15 15:56	10/14/15 16:36

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith - NYS DEC	Amy Picunas	10/14/15	292034
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd.	518-782-[illegible]526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 11210			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park Panel 4			
Contract/Purchase Order/Quote No.			
91667			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TAL M. 6010 C	TOTAL CN 9012	SVOL. 8270 D	Special Instructions/ Conditions of Receipt
TP-02-101415	10/14/15	1015		X			2		1		1		X	X	X	
TP-02-F-101415	10/14/15	1020		X			2		1		1		X	X	X	
TP-03-101415	10/14/15	1300		X			2		1		1		X	X	X	
TP-03-~~10~~F-101415	10/14/15	1312		X			2		1		1		X	X	X	
TP-04-101415	10/14/15	1505		X			2		1		1		X	X	X	
TP-04-F-101415	10/14/15	1515		X			2		1		1		X	X	X	
FB-101415	10/14/15	1556		X			2		1		1		X	X	X	

480-89110 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: LIA Estrada	10/14/15	1602
2. Relinquished By: Jay Hughes	10/14/15	16:36
3. Relinquished By:		
1. Received By: Jay Hughes	10/14/15	16:02
2. Received By: Drew Kow	10/14/15	1636
3. Received By:		

Comments

Temp 3.7 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-89110-1

Login Number: 89110
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CDM SMITH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89238-1
Client Project/Site: Buffalo Lakeside #915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek



Authorized for release by:
10/29/2015 2:35:27 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
10/29/2015 2:35:27 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-89238-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89238-1

Receipt
The samples were received on 10/15/2015 5:17 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.0º C and 3.8º C.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-270126 recovered above the upper control limit for Benzo[g,h,i]perylene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: TP-05-101515 (480-89238-1), TP-05-F-101515 (480-89238-2), TP-06-101515 (480-89238-3), TP-06-F-101515 (480-89238-4), TP-DUP-01-101515 (480-89238-5), TP-14-101515 (480-89238-6), TP-14-101515 (480-89238-6[MS]), TP-14-101515 (480-89238-6[MSD]), TP-14-F-101515 (480-89238-7) and FB-101515 (480-89238-8).

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-270126 was outside the method criteria for the following analytes: 4-Chloroaniline and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes are considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in analytical batch 269785 recovered outside the method criteria for the analyte Benzaldehyde. The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria. (CCVIS 480-269785/3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The low level continuing calibration verification (CCVL 480-229736/16) for analytical batch 480-229736 contained Total Aluminum above the upper quality control limit. All reported samples associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples TP-05-101515 (480-89238-1), TP-05-F-101515 (480-89238-2), TP-06-F-101515 (480-89238-4), TP-DUP-01-101515 (480-89238-5), (LCS 480-269259/2-A) and (MB 480-269259/1-A) was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method(s) 9012B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-271297 and analytical batch 480-271418 was outside control limits. Sample matrix interference is suspected. TP-14-101515 (480-89238-6[MS]) and TP-14-101515 (480-89238-6[MSD])

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-05-101515
Date Collected: 10/15/15 09:40
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/17/15 09:41	10/22/15 00:23	1
2,4,6-Trichlorophenol	ND		5.3	0.65	ug/L		10/17/15 09:41	10/22/15 00:23	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/17/15 09:41	10/22/15 00:23	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/17/15 09:41	10/22/15 00:23	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/17/15 09:41	10/22/15 00:23	1
2,4-Dinitrotoluene	ND		5.3	0.48	ug/L		10/17/15 09:41	10/22/15 00:23	1
2,6-Dinitrotoluene	ND		5.3	0.43	ug/L		10/17/15 09:41	10/22/15 00:23	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		10/17/15 09:41	10/22/15 00:23	1
2-Chlorophenol	ND		5.3	0.56	ug/L		10/17/15 09:41	10/22/15 00:23	1
2-Methylnaphthalene	ND		5.3	0.64	ug/L		10/17/15 09:41	10/22/15 00:23	1
2-Methylphenol	ND		5.3	0.43	ug/L		10/17/15 09:41	10/22/15 00:23	1
2-Nitroaniline	ND		11	0.45	ug/L		10/17/15 09:41	10/22/15 00:23	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/17/15 09:41	10/22/15 00:23	1
3,3'-Dichlorobenzidine	ND		5.3	0.43	ug/L		10/17/15 09:41	10/22/15 00:23	1
3-Nitroaniline	ND		11	0.51	ug/L		10/17/15 09:41	10/22/15 00:23	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		10/17/15 09:41	10/22/15 00:23	1
4-Bromophenyl phenyl ether	ND		5.3	0.48	ug/L		10/17/15 09:41	10/22/15 00:23	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		10/17/15 09:41	10/22/15 00:23	1
4-Chloroaniline	ND		5.3	0.63	ug/L		10/17/15 09:41	10/22/15 00:23	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/17/15 09:41	10/22/15 00:23	1
4-Methylphenol	ND		11	0.38	ug/L		10/17/15 09:41	10/22/15 00:23	1
4-Nitroaniline	ND		11	0.27	ug/L		10/17/15 09:41	10/22/15 00:23	1
4-Nitrophenol	ND		11	1.6	ug/L		10/17/15 09:41	10/22/15 00:23	1
Acenaphthene	ND		5.3	0.44	ug/L		10/17/15 09:41	10/22/15 00:23	1
Acenaphthylene	ND		5.3	0.40	ug/L		10/17/15 09:41	10/22/15 00:23	1
Acetophenone	ND		5.3	0.57	ug/L		10/17/15 09:41	10/22/15 00:23	1
Anthracene	ND		5.3	0.30	ug/L		10/17/15 09:41	10/22/15 00:23	1
Atrazine	ND		5.3	0.49	ug/L		10/17/15 09:41	10/22/15 00:23	1
Benzaldehyde	ND		5.3	0.28	ug/L		10/17/15 09:41	10/22/15 00:23	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/17/15 09:41	10/22/15 00:23	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/17/15 09:41	10/22/15 00:23	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/17/15 09:41	10/22/15 00:23	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/17/15 09:41	10/22/15 00:23	1
Benzo[k]fluoranthene	ND		5.3	0.78	ug/L		10/17/15 09:41	10/22/15 00:23	1
Biphenyl	ND		5.3	0.69	ug/L		10/17/15 09:41	10/22/15 00:23	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		10/17/15 09:41	10/22/15 00:23	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/17/15 09:41	10/22/15 00:23	1
Bis(2-chloroethyl)ether	ND		5.3	0.43	ug/L		10/17/15 09:41	10/22/15 00:23	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/17/15 09:41	10/22/15 00:23	1
Butyl benzyl phthalate	**0.61**	**J B**	5.3	0.45	ug/L		10/17/15 09:41	10/22/15 00:23	1
Caprolactam	ND		5.3	2.3	ug/L		10/17/15 09:41	10/22/15 00:23	1
Carbazole	ND		5.3	0.32	ug/L		10/17/15 09:41	10/22/15 00:23	1
Chrysene	ND		5.3	0.35	ug/L		10/17/15 09:41	10/22/15 00:23	1
Dibenz(a,h)anthracene	ND		5.3	0.45	ug/L		10/17/15 09:41	10/22/15 00:23	1
Dibenzofuran	ND		11	0.54	ug/L		10/17/15 09:41	10/22/15 00:23	1
Diethyl phthalate	ND		5.3	0.23	ug/L		10/17/15 09:41	10/22/15 00:23	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		10/17/15 09:41	10/22/15 00:23	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		10/17/15 09:41	10/22/15 00:23	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		10/17/15 09:41	10/22/15 00:23	1

Client Sample ID: TP-05-101515

Date Collected: 10/15/15 09:40
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.43	ug/L		10/17/15 09:41	10/22/15 00:23	1
Fluorene	ND		5.3	0.38	ug/L		10/17/15 09:41	10/22/15 00:23	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/17/15 09:41	10/22/15 00:23	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		10/17/15 09:41	10/22/15 00:23	1
Hexachlorocyclopentadiene	ND		5.3	0.63	ug/L		10/17/15 09:41	10/22/15 00:23	1
Hexachloroethane	ND		5.3	0.63	ug/L		10/17/15 09:41	10/22/15 00:23	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/17/15 09:41	10/22/15 00:23	1
Isophorone	ND		5.3	0.46	ug/L		10/17/15 09:41	10/22/15 00:23	1
Naphthalene	ND		5.3	0.81	ug/L		10/17/15 09:41	10/22/15 00:23	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/17/15 09:41	10/22/15 00:23	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		10/17/15 09:41	10/22/15 00:23	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/17/15 09:41	10/22/15 00:23	1
Pentachlorophenol	ND		11	2.3	ug/L		10/17/15 09:41	10/22/15 00:23	1
Phenanthrene	ND		5.3	0.47	ug/L		10/17/15 09:41	10/22/15 00:23	1
Phenol	ND		5.3	0.41	ug/L		10/17/15 09:41	10/22/15 00:23	1
Pyrene	ND		5.3	0.36	ug/L		10/17/15 09:41	10/22/15 00:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*29*	*T J N*	*ug/L*		*3.57*	*110-82-7*	*10/17/15 09:41*	*10/22/15 00:23*	*1*
Unknown	*54*	*T J*	*ug/L*		*3.72*		*10/17/15 09:41*	*10/22/15 00:23*	*1*
n-Hexadecanoic acid	*2.6*	*T J N*	*ug/L*		*11.08*	*57-10-3*	*10/17/15 09:41*	*10/22/15 00:23*	*1*
Unknown	*5.8*	*T J*	*ug/L*		*11.78*		*10/17/15 09:41*	*10/22/15 00:23*	*1*
Unknown	*3.2*	*T J*	*ug/L*		*12.40*		*10/17/15 09:41*	*10/22/15 00:23*	*1*
Unknown	*12*	*T J*	*ug/L*		*12.88*		*10/17/15 09:41*	*10/22/15 00:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*52 - 132*	*10/17/15 09:41*	*10/22/15 00:23*	*1*
2-Fluorobiphenyl	*70*		*48 - 120*	*10/17/15 09:41*	*10/22/15 00:23*	*1*
2-Fluorophenol (Surr)	*40*		*20 - 120*	*10/17/15 09:41*	*10/22/15 00:23*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 120*	*10/17/15 09:41*	*10/22/15 00:23*	*1*
Phenol-d5 (Surr)	*28*		*16 - 120*	*10/17/15 09:41*	*10/22/15 00:23*	*1*
p-Terphenyl-d14 (Surr)	*76*		*67 - 150*	*10/17/15 09:41*	*10/22/15 00:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.13**	**J ^**	0.20	0.060	mg/L		10/16/15 15:15	10/19/15 15:58	1
Antimony	ND		0.020	0.0068	mg/L		10/16/15 15:15	10/19/15 15:58	1
Arsenic	ND		0.015	0.0056	mg/L		10/16/15 15:15	10/19/15 15:58	1
Barium	**0.046**		0.0020	0.00070	mg/L		10/16/15 15:15	10/19/15 15:58	1
Beryllium	ND		0.0020	0.00030	mg/L		10/16/15 15:15	10/19/15 15:58	1
Cadmium	ND		0.0020	0.00050	mg/L		10/16/15 15:15	10/19/15 15:58	1
Calcium	**75.1**		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 15:58	1
Chromium	ND		0.0040	0.0010	mg/L		10/16/15 15:15	10/19/15 15:58	1
Cobalt	ND		0.0040	0.00063	mg/L		10/16/15 15:15	10/19/15 15:58	1
Copper	ND		0.010	0.0016	mg/L		10/16/15 15:15	10/19/15 15:58	1
Iron	**3.3**		0.050	0.019	mg/L		10/16/15 15:15	10/19/15 15:58	1
Lead	ND		0.010	0.0030	mg/L		10/16/15 15:15	10/19/15 15:58	1
Magnesium	**42.7**		0.20	0.043	mg/L		10/16/15 15:15	10/19/15 15:58	1
Manganese	**0.56**		0.0030	0.00040	mg/L		10/16/15 15:15	10/19/15 15:58	1
Nickel	ND		0.010	0.0013	mg/L		10/16/15 15:15	10/19/15 15:58	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-05-101515
Date Collected: 10/15/15 09:40
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**53.3**		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 15:58	1
Selenium	ND		0.025	0.0087	mg/L		10/16/15 15:15	10/19/15 15:58	1
Silver	ND		0.0060	0.0017	mg/L		10/16/15 15:15	10/19/15 15:58	1
Sodium	**26.6**		1.0	0.32	mg/L		10/16/15 15:15	10/19/15 15:58	1
Thallium	ND		0.020	0.010	mg/L		10/16/15 15:15	10/19/15 15:58	1
Vanadium	ND		0.0050	0.0015	mg/L		10/16/15 15:15	10/19/15 15:58	1
Zinc	ND		0.010	0.0015	mg/L		10/16/15 15:15	10/19/15 15:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.028**		0.010	0.0050	mg/L		10/26/15 09:35	10/26/15 14:06	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-05-F-101515
Date Collected: 10/15/15 09:52
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.5	0.52	ug/L		10/17/15 09:41	10/22/15 00:52	1
2,4,6-Trichlorophenol	ND		5.5	0.67	ug/L		10/17/15 09:41	10/22/15 00:52	1
2,4-Dichlorophenol	ND		5.5	0.56	ug/L		10/17/15 09:41	10/22/15 00:52	1
2,4-Dimethylphenol	ND		5.5	0.55	ug/L		10/17/15 09:41	10/22/15 00:52	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/17/15 09:41	10/22/15 00:52	1
2,4-Dinitrotoluene	ND		5.5	0.49	ug/L		10/17/15 09:41	10/22/15 00:52	1
2,6-Dinitrotoluene	ND		5.5	0.44	ug/L		10/17/15 09:41	10/22/15 00:52	1
2-Chloronaphthalene	ND		5.5	0.50	ug/L		10/17/15 09:41	10/22/15 00:52	1
2-Chlorophenol	ND		5.5	0.58	ug/L		10/17/15 09:41	10/22/15 00:52	1
2-Methylnaphthalene	ND		5.5	0.66	ug/L		10/17/15 09:41	10/22/15 00:52	1
2-Methylphenol	ND		5.5	0.44	ug/L		10/17/15 09:41	10/22/15 00:52	1
2-Nitroaniline	ND		11	0.46	ug/L		10/17/15 09:41	10/22/15 00:52	1
2-Nitrophenol	ND		5.5	0.52	ug/L		10/17/15 09:41	10/22/15 00:52	1
3,3'-Dichlorobenzidine	ND		5.5	0.44	ug/L		10/17/15 09:41	10/22/15 00:52	1
3-Nitroaniline	ND		11	0.52	ug/L		10/17/15 09:41	10/22/15 00:52	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/17/15 09:41	10/22/15 00:52	1
4-Bromophenyl phenyl ether	ND		5.5	0.49	ug/L		10/17/15 09:41	10/22/15 00:52	1
4-Chloro-3-methylphenol	ND		5.5	0.49	ug/L		10/17/15 09:41	10/22/15 00:52	1
4-Chloroaniline	ND		5.5	0.64	ug/L		10/17/15 09:41	10/22/15 00:52	1
4-Chlorophenyl phenyl ether	ND		5.5	0.38	ug/L		10/17/15 09:41	10/22/15 00:52	1
4-Methylphenol	ND		11	0.39	ug/L		10/17/15 09:41	10/22/15 00:52	1
4-Nitroaniline	ND		11	0.27	ug/L		10/17/15 09:41	10/22/15 00:52	1
4-Nitrophenol	ND		11	1.7	ug/L		10/17/15 09:41	10/22/15 00:52	1
Acenaphthene	ND		5.5	0.45	ug/L		10/17/15 09:41	10/22/15 00:52	1
Acenaphthylene	ND		5.5	0.41	ug/L		10/17/15 09:41	10/22/15 00:52	1
Acetophenone	ND		5.5	0.59	ug/L		10/17/15 09:41	10/22/15 00:52	1
Anthracene	ND		5.5	0.31	ug/L		10/17/15 09:41	10/22/15 00:52	1
Atrazine	ND		5.5	0.50	ug/L		10/17/15 09:41	10/22/15 00:52	1
Benzaldehyde	ND		5.5	0.29	ug/L		10/17/15 09:41	10/22/15 00:52	1
Benzo[a]anthracene	ND		5.5	0.39	ug/L		10/17/15 09:41	10/22/15 00:52	1
Benzo[a]pyrene	ND		5.5	0.51	ug/L		10/17/15 09:41	10/22/15 00:52	1
Benzo[b]fluoranthene	ND		5.5	0.37	ug/L		10/17/15 09:41	10/22/15 00:52	1
Benzo[g,h,i]perylene	ND		5.5	0.38	ug/L		10/17/15 09:41	10/22/15 00:52	1
Benzo[k]fluoranthene	ND		5.5	0.80	ug/L		10/17/15 09:41	10/22/15 00:52	1
Biphenyl	ND		5.5	0.71	ug/L		10/17/15 09:41	10/22/15 00:52	1
bis (2-chloroisopropyl) ether	ND		5.5	0.57	ug/L		10/17/15 09:41	10/22/15 00:52	1
Bis(2-chloroethoxy)methane	ND		5.5	0.38	ug/L		10/17/15 09:41	10/22/15 00:52	1
Bis(2-chloroethyl)ether	ND		5.5	0.44	ug/L		10/17/15 09:41	10/22/15 00:52	1
Bis(2-ethylhexyl) phthalate	ND		5.5	2.0	ug/L		10/17/15 09:41	10/22/15 00:52	1
Butyl benzyl phthalate	**0.65**	**J B**	5.5	0.46	ug/L		10/17/15 09:41	10/22/15 00:52	1
Caprolactam	ND		5.5	2.4	ug/L		10/17/15 09:41	10/22/15 00:52	1
Carbazole	ND		5.5	0.33	ug/L		10/17/15 09:41	10/22/15 00:52	1
Chrysene	ND		5.5	0.36	ug/L		10/17/15 09:41	10/22/15 00:52	1
Dibenz(a,h)anthracene	ND		5.5	0.46	ug/L		10/17/15 09:41	10/22/15 00:52	1
Dibenzofuran	ND		11	0.56	ug/L		10/17/15 09:41	10/22/15 00:52	1
Diethyl phthalate	ND		5.5	0.24	ug/L		10/17/15 09:41	10/22/15 00:52	1
Dimethyl phthalate	ND		5.5	0.39	ug/L		10/17/15 09:41	10/22/15 00:52	1
Di-n-butyl phthalate	ND		5.5	0.34	ug/L		10/17/15 09:41	10/22/15 00:52	1
Di-n-octyl phthalate	ND		5.5	0.51	ug/L		10/17/15 09:41	10/22/15 00:52	1

Client Sample ID: TP-05-F-101515

Date Collected: 10/15/15 09:52
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.5	0.44	ug/L		10/17/15 09:41	10/22/15 00:52	1
Fluorene	ND		5.5	0.39	ug/L		10/17/15 09:41	10/22/15 00:52	1
Hexachlorobenzene	ND		5.5	0.56	ug/L		10/17/15 09:41	10/22/15 00:52	1
Hexachlorobutadiene	ND		5.5	0.74	ug/L		10/17/15 09:41	10/22/15 00:52	1
Hexachlorocyclopentadiene	ND		5.5	0.64	ug/L		10/17/15 09:41	10/22/15 00:52	1
Hexachloroethane	ND		5.5	0.64	ug/L		10/17/15 09:41	10/22/15 00:52	1
Indeno[1,2,3-cd]pyrene	ND		5.5	0.51	ug/L		10/17/15 09:41	10/22/15 00:52	1
Isophorone	ND		5.5	0.47	ug/L		10/17/15 09:41	10/22/15 00:52	1
Naphthalene	ND		5.5	0.83	ug/L		10/17/15 09:41	10/22/15 00:52	1
Nitrobenzene	ND		5.5	0.32	ug/L		10/17/15 09:41	10/22/15 00:52	1
N-Nitrosodi-n-propylamine	ND		5.5	0.59	ug/L		10/17/15 09:41	10/22/15 00:52	1
N-Nitrosodiphenylamine	ND		5.5	0.56	ug/L		10/17/15 09:41	10/22/15 00:52	1
Pentachlorophenol	ND		11	2.4	ug/L		10/17/15 09:41	10/22/15 00:52	1
Phenanthrene	ND		5.5	0.48	ug/L		10/17/15 09:41	10/22/15 00:52	1
Phenol	ND		5.5	0.43	ug/L		10/17/15 09:41	10/22/15 00:52	1
Pyrene	ND		5.5	0.37	ug/L		10/17/15 09:41	10/22/15 00:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*31*	*T J N*	*ug/L*		*3.57*	*110-82-7*	*10/17/15 09:41*	*10/22/15 00:52*	*1*
Unknown	*61*	*T J*	*ug/L*		*3.72*		*10/17/15 09:41*	*10/22/15 00:52*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*11.78*		*10/17/15 09:41*	*10/22/15 00:52*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*12.40*		*10/17/15 09:41*	*10/22/15 00:52*	*1*
Unknown	*9.3*	*T J*	*ug/L*		*12.89*		*10/17/15 09:41*	*10/22/15 00:52*	*1*
Unknown	*12*	*T J*	*ug/L*		*15.05*		*10/17/15 09:41*	*10/22/15 00:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*52 - 132*	*10/17/15 09:41*	*10/22/15 00:52*	*1*
2-Fluorobiphenyl	*69*		*48 - 120*	*10/17/15 09:41*	*10/22/15 00:52*	*1*
2-Fluorophenol (Surr)	*44*		*20 - 120*	*10/17/15 09:41*	*10/22/15 00:52*	*1*
Nitrobenzene-d5 (Surr)	*59*		*46 - 120*	*10/17/15 09:41*	*10/22/15 00:52*	*1*
Phenol-d5 (Surr)	*31*		*16 - 120*	*10/17/15 09:41*	*10/22/15 00:52*	*1*
p-Terphenyl-d14 (Surr)	*68*		*67 - 150*	*10/17/15 09:41*	*10/22/15 00:52*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND	^	0.20	0.060	mg/L		10/16/15 15:15	10/19/15 16:01	1
Antimony	ND		0.020	0.0068	mg/L		10/16/15 15:15	10/19/15 16:01	1
Arsenic	ND		0.015	0.0056	mg/L		10/16/15 15:15	10/19/15 16:01	1
Barium	**0.043**		0.0020	0.00070	mg/L		10/16/15 15:15	10/19/15 16:01	1
Beryllium	ND		0.0020	0.00030	mg/L		10/16/15 15:15	10/19/15 16:01	1
Cadmium	ND		0.0020	0.00050	mg/L		10/16/15 15:15	10/19/15 16:01	1
Calcium	**71.5**		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:01	1
Chromium	ND		0.0040	0.0010	mg/L		10/16/15 15:15	10/19/15 16:01	1
Cobalt	ND		0.0040	0.00063	mg/L		10/16/15 15:15	10/19/15 16:01	1
Copper	ND		0.010	0.0016	mg/L		10/16/15 15:15	10/19/15 16:01	1
Iron	**2.9**		0.050	0.019	mg/L		10/16/15 15:15	10/19/15 16:01	1
Lead	ND		0.010	0.0030	mg/L		10/16/15 15:15	10/19/15 16:01	1
Magnesium	**40.6**		0.20	0.043	mg/L		10/16/15 15:15	10/19/15 16:01	1
Manganese	**0.52**		0.0030	0.00040	mg/L		10/16/15 15:15	10/19/15 16:01	1
Nickel	ND		0.010	0.0013	mg/L		10/16/15 15:15	10/19/15 16:01	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-05-F-101515
Date Collected: 10/15/15 09:52
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**50.3**		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:01	1
Selenium	ND		0.025	0.0087	mg/L		10/16/15 15:15	10/19/15 16:01	1
Silver	ND		0.0060	0.0017	mg/L		10/16/15 15:15	10/19/15 16:01	1
Sodium	**25.0**		1.0	0.32	mg/L		10/16/15 15:15	10/19/15 16:01	1
Thallium	ND		0.020	0.010	mg/L		10/16/15 15:15	10/19/15 16:01	1
Vanadium	ND		0.0050	0.0015	mg/L		10/16/15 15:15	10/19/15 16:01	1
Zinc	ND		0.010	0.0015	mg/L		10/16/15 15:15	10/19/15 16:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.029**		0.010	0.0050	mg/L		10/26/15 09:35	10/26/15 14:12	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-06-101515
Date Collected: 10/15/15 12:00
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	**0.80**	**J**	5.1	0.49	ug/L		10/17/15 09:41	10/22/15 01:21	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		10/17/15 09:41	10/22/15 01:21	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/17/15 09:41	10/22/15 01:21	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/17/15 09:41	10/22/15 01:21	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/17/15 09:41	10/22/15 01:21	1
2,4-Dinitrotoluene	ND		5.1	0.45	ug/L		10/17/15 09:41	10/22/15 01:21	1
2,6-Dinitrotoluene	ND		5.1	0.40	ug/L		10/17/15 09:41	10/22/15 01:21	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/17/15 09:41	10/22/15 01:21	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/17/15 09:41	10/22/15 01:21	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/17/15 09:41	10/22/15 01:21	1
2-Methylphenol	ND		5.1	0.40	ug/L		10/17/15 09:41	10/22/15 01:21	1
2-Nitroaniline	ND		10	0.43	ug/L		10/17/15 09:41	10/22/15 01:21	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/17/15 09:41	10/22/15 01:21	1
3,3'-Dichlorobenzidine	ND		5.1	0.40	ug/L		10/17/15 09:41	10/22/15 01:21	1
3-Nitroaniline	ND		10	0.49	ug/L		10/17/15 09:41	10/22/15 01:21	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/17/15 09:41	10/22/15 01:21	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/17/15 09:41	10/22/15 01:21	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/17/15 09:41	10/22/15 01:21	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/17/15 09:41	10/22/15 01:21	1
4-Chlorophenyl phenyl ether	ND		5.1	0.35	ug/L		10/17/15 09:41	10/22/15 01:21	1
4-Methylphenol	ND		10	0.36	ug/L		10/17/15 09:41	10/22/15 01:21	1
4-Nitroaniline	ND		10	0.25	ug/L		10/17/15 09:41	10/22/15 01:21	1
4-Nitrophenol	ND		10	1.5	ug/L		10/17/15 09:41	10/22/15 01:21	1
Acenaphthene	ND		5.1	0.41	ug/L		10/17/15 09:41	10/22/15 01:21	1
Acenaphthylene	ND		5.1	0.38	ug/L		10/17/15 09:41	10/22/15 01:21	1
Acetophenone	ND		5.1	0.55	ug/L		10/17/15 09:41	10/22/15 01:21	1
Anthracene	ND		5.1	0.28	ug/L		10/17/15 09:41	10/22/15 01:21	1
Atrazine	ND		5.1	0.47	ug/L		10/17/15 09:41	10/22/15 01:21	1
Benzaldehyde	ND		5.1	0.27	ug/L		10/17/15 09:41	10/22/15 01:21	1
Benzo[a]anthracene	ND		5.1	0.36	ug/L		10/17/15 09:41	10/22/15 01:21	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/17/15 09:41	10/22/15 01:21	1
Benzo[b]fluoranthene	ND		5.1	0.34	ug/L		10/17/15 09:41	10/22/15 01:21	1
Benzo[g,h,i]perylene	ND		5.1	0.35	ug/L		10/17/15 09:41	10/22/15 01:21	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		10/17/15 09:41	10/22/15 01:21	1
Biphenyl	ND		5.1	0.66	ug/L		10/17/15 09:41	10/22/15 01:21	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/17/15 09:41	10/22/15 01:21	1
Bis(2-chloroethoxy)methane	ND		5.1	0.35	ug/L		10/17/15 09:41	10/22/15 01:21	1
Bis(2-chloroethyl)ether	ND		5.1	0.40	ug/L		10/17/15 09:41	10/22/15 01:21	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/17/15 09:41	10/22/15 01:21	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		10/17/15 09:41	10/22/15 01:21	1
Caprolactam	ND		5.1	2.2	ug/L		10/17/15 09:41	10/22/15 01:21	1
Carbazole	ND		5.1	0.30	ug/L		10/17/15 09:41	10/22/15 01:21	1
Chrysene	ND		5.1	0.33	ug/L		10/17/15 09:41	10/22/15 01:21	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/17/15 09:41	10/22/15 01:21	1
Dibenzofuran	ND		10	0.52	ug/L		10/17/15 09:41	10/22/15 01:21	1
Diethyl phthalate	ND		5.1	0.22	ug/L		10/17/15 09:41	10/22/15 01:21	1
Dimethyl phthalate	ND		5.1	0.36	ug/L		10/17/15 09:41	10/22/15 01:21	1
Di-n-butyl phthalate	ND		5.1	0.31	ug/L		10/17/15 09:41	10/22/15 01:21	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/17/15 09:41	10/22/15 01:21	1

Client Sample ID: TP-06-101515

Date Collected: 10/15/15 12:00
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.40	ug/L		10/17/15 09:41	10/22/15 01:21	1
Fluorene	ND		5.1	0.36	ug/L		10/17/15 09:41	10/22/15 01:21	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/17/15 09:41	10/22/15 01:21	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		10/17/15 09:41	10/22/15 01:21	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/17/15 09:41	10/22/15 01:21	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/17/15 09:41	10/22/15 01:21	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/17/15 09:41	10/22/15 01:21	1
Isophorone	ND		5.1	0.44	ug/L		10/17/15 09:41	10/22/15 01:21	1
Naphthalene	ND		5.1	0.77	ug/L		10/17/15 09:41	10/22/15 01:21	1
Nitrobenzene	ND		5.1	0.29	ug/L		10/17/15 09:41	10/22/15 01:21	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/17/15 09:41	10/22/15 01:21	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/17/15 09:41	10/22/15 01:21	1
Pentachlorophenol	ND		10	2.2	ug/L		10/17/15 09:41	10/22/15 01:21	1
Phenanthrene	ND		5.1	0.45	ug/L		10/17/15 09:41	10/22/15 01:21	1
Phenol	**1.7**	**J**	5.1	0.39	ug/L		10/17/15 09:41	10/22/15 01:21	1
Pyrene	ND		5.1	0.34	ug/L		10/17/15 09:41	10/22/15 01:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2.4*	*T J*	*ug/L*		*3.39*		*10/17/15 09:41*	*10/22/15 01:21*	*1*
Cyclohexane	*32*	*T J N*	*ug/L*		*3.57*	*110-82-7*	*10/17/15 09:41*	*10/22/15 01:21*	*1*
Unknown	*57*	*T J*	*ug/L*		*3.71*		*10/17/15 09:41*	*10/22/15 01:21*	*1*
Decane	*2.8*	*T J N*	*ug/L*		*6.70*	*124-18-5*	*10/17/15 09:41*	*10/22/15 01:21*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*7.45*		*10/17/15 09:41*	*10/22/15 01:21*	*1*
Cyclohexasiloxane, dodecamethyl-	*1.9*	*T J N*	*ug/L*		*8.34*	*540-97-6*	*10/17/15 09:41*	*10/22/15 01:21*	*1*
Octadecanoic acid	*9.1*	*T J N*	*ug/L*		*11.83*	*57-11-4*	*10/17/15 09:41*	*10/22/15 01:21*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*12.39*		*10/17/15 09:41*	*10/22/15 01:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*52 - 132*	*10/17/15 09:41*	*10/22/15 01:21*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*10/17/15 09:41*	*10/22/15 01:21*	*1*
2-Fluorophenol (Surr)	*44*		*20 - 120*	*10/17/15 09:41*	*10/22/15 01:21*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 120*	*10/17/15 09:41*	*10/22/15 01:21*	*1*
Phenol-d5 (Surr)	*30*		*16 - 120*	*10/17/15 09:41*	*10/22/15 01:21*	*1*
p-Terphenyl-d14 (Surr)	*75*		*67 - 150*	*10/17/15 09:41*	*10/22/15 01:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.62**		0.20	0.060	mg/L		10/16/15 15:15	10/20/15 09:22	1
Antimony	ND		0.020	0.0068	mg/L		10/16/15 15:15	10/19/15 16:04	1
Arsenic	**0.0070**	**J**	0.015	0.0056	mg/L		10/16/15 15:15	10/19/15 16:04	1
Barium	**0.026**		0.0020	0.00070	mg/L		10/16/15 15:15	10/19/15 16:04	1
Beryllium	ND		0.0020	0.00030	mg/L		10/16/15 15:15	10/19/15 16:04	1
Cadmium	ND		0.0020	0.00050	mg/L		10/16/15 15:15	10/19/15 16:04	1
Calcium	**44.2**		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:04	1
Chromium	**0.0054**		0.0040	0.0010	mg/L		10/16/15 15:15	10/19/15 16:04	1
Cobalt	**0.0023**	**J**	0.0040	0.00063	mg/L		10/16/15 15:15	10/19/15 16:04	1
Copper	**0.017**		0.010	0.0016	mg/L		10/16/15 15:15	10/19/15 16:04	1
Iron	**1.8**		0.050	0.019	mg/L		10/16/15 15:15	10/19/15 16:04	1
Lead	**0.0055**	**J**	0.010	0.0030	mg/L		10/16/15 15:15	10/19/15 16:04	1
Magnesium	**17.7**		0.20	0.043	mg/L		10/16/15 15:15	10/19/15 16:04	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-06-101515
Date Collected: 10/15/15 12:00
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.082		0.0030	0.00040	mg/L		10/16/15 15:15	10/19/15 16:04	1
Nickel	0.0047	J	0.010	0.0013	mg/L		10/16/15 15:15	10/19/15 16:04	1
Potassium	157		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:04	1
Selenium	ND		0.025	0.0087	mg/L		10/16/15 15:15	10/19/15 16:04	1
Silver	ND		0.0060	0.0017	mg/L		10/16/15 15:15	10/19/15 16:04	1
Sodium	113		1.0	0.32	mg/L		10/16/15 15:15	10/19/15 16:04	1
Thallium	ND		0.020	0.010	mg/L		10/16/15 15:15	10/19/15 16:04	1
Vanadium	0.0035	J	0.0050	0.0015	mg/L		10/16/15 15:15	10/19/15 16:04	1
Zinc	0.017	B	0.010	0.0015	mg/L		10/16/15 15:15	10/19/15 16:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.42		0.010	0.0050	mg/L		10/26/15 09:35	10/26/15 14:15	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-06-F-101515
Date Collected: 10/15/15 12:10
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	**0.86**	**J**	5.3	0.51	ug/L		10/17/15 09:41	10/22/15 01:50	1
2,4,6-Trichlorophenol	ND		5.3	0.65	ug/L		10/17/15 09:41	10/22/15 01:50	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/17/15 09:41	10/22/15 01:50	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/17/15 09:41	10/22/15 01:50	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/17/15 09:41	10/22/15 01:50	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		10/17/15 09:41	10/22/15 01:50	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		10/17/15 09:41	10/22/15 01:50	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		10/17/15 09:41	10/22/15 01:50	1
2-Chlorophenol	ND		5.3	0.56	ug/L		10/17/15 09:41	10/22/15 01:50	1
2-Methylnaphthalene	ND		5.3	0.64	ug/L		10/17/15 09:41	10/22/15 01:50	1
2-Methylphenol	ND		5.3	0.42	ug/L		10/17/15 09:41	10/22/15 01:50	1
2-Nitroaniline	ND		11	0.45	ug/L		10/17/15 09:41	10/22/15 01:50	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/17/15 09:41	10/22/15 01:50	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		10/17/15 09:41	10/22/15 01:50	1
3-Nitroaniline	ND		11	0.51	ug/L		10/17/15 09:41	10/22/15 01:50	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		10/17/15 09:41	10/22/15 01:50	1
4-Bromophenyl phenyl ether	ND		5.3	0.48	ug/L		10/17/15 09:41	10/22/15 01:50	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		10/17/15 09:41	10/22/15 01:50	1
4-Chloroaniline	ND		5.3	0.63	ug/L		10/17/15 09:41	10/22/15 01:50	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/17/15 09:41	10/22/15 01:50	1
4-Methylphenol	**0.58**	**J**	11	0.38	ug/L		10/17/15 09:41	10/22/15 01:50	1
4-Nitroaniline	ND		11	0.27	ug/L		10/17/15 09:41	10/22/15 01:50	1
4-Nitrophenol	ND		11	1.6	ug/L		10/17/15 09:41	10/22/15 01:50	1
Acenaphthene	ND		5.3	0.43	ug/L		10/17/15 09:41	10/22/15 01:50	1
Acenaphthylene	ND		5.3	0.40	ug/L		10/17/15 09:41	10/22/15 01:50	1
Acetophenone	ND		5.3	0.57	ug/L		10/17/15 09:41	10/22/15 01:50	1
Anthracene	ND		5.3	0.30	ug/L		10/17/15 09:41	10/22/15 01:50	1
Atrazine	ND		5.3	0.49	ug/L		10/17/15 09:41	10/22/15 01:50	1
Benzaldehyde	ND		5.3	0.28	ug/L		10/17/15 09:41	10/22/15 01:50	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/17/15 09:41	10/22/15 01:50	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/17/15 09:41	10/22/15 01:50	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/17/15 09:41	10/22/15 01:50	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/17/15 09:41	10/22/15 01:50	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		10/17/15 09:41	10/22/15 01:50	1
Biphenyl	ND		5.3	0.69	ug/L		10/17/15 09:41	10/22/15 01:50	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		10/17/15 09:41	10/22/15 01:50	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/17/15 09:41	10/22/15 01:50	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		10/17/15 09:41	10/22/15 01:50	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/17/15 09:41	10/22/15 01:50	1
Butyl benzyl phthalate	ND		5.3	0.45	ug/L		10/17/15 09:41	10/22/15 01:50	1
Caprolactam	ND		5.3	2.3	ug/L		10/17/15 09:41	10/22/15 01:50	1
Carbazole	ND		5.3	0.32	ug/L		10/17/15 09:41	10/22/15 01:50	1
Chrysene	ND		5.3	0.35	ug/L		10/17/15 09:41	10/22/15 01:50	1
Dibenz(a,h)anthracene	ND		5.3	0.45	ug/L		10/17/15 09:41	10/22/15 01:50	1
Dibenzofuran	ND		11	0.54	ug/L		10/17/15 09:41	10/22/15 01:50	1
Diethyl phthalate	ND		5.3	0.23	ug/L		10/17/15 09:41	10/22/15 01:50	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		10/17/15 09:41	10/22/15 01:50	1
Di-n-butyl phthalate	**0.44**	**J**	5.3	0.33	ug/L		10/17/15 09:41	10/22/15 01:50	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		10/17/15 09:41	10/22/15 01:50	1

Client Sample ID: TP-06-F-101515

Date Collected: 10/15/15 12:10
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.42	ug/L		10/17/15 09:41	10/22/15 01:50	1
Fluorene	ND		5.3	0.38	ug/L		10/17/15 09:41	10/22/15 01:50	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/17/15 09:41	10/22/15 01:50	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		10/17/15 09:41	10/22/15 01:50	1
Hexachlorocyclopentadiene	ND		5.3	0.63	ug/L		10/17/15 09:41	10/22/15 01:50	1
Hexachloroethane	ND		5.3	0.63	ug/L		10/17/15 09:41	10/22/15 01:50	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/17/15 09:41	10/22/15 01:50	1
Isophorone	ND		5.3	0.46	ug/L		10/17/15 09:41	10/22/15 01:50	1
Naphthalene	ND		5.3	0.81	ug/L		10/17/15 09:41	10/22/15 01:50	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/17/15 09:41	10/22/15 01:50	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		10/17/15 09:41	10/22/15 01:50	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/17/15 09:41	10/22/15 01:50	1
Pentachlorophenol	ND		11	2.3	ug/L		10/17/15 09:41	10/22/15 01:50	1
Phenanthrene	ND		5.3	0.47	ug/L		10/17/15 09:41	10/22/15 01:50	1
Phenol	**14**		5.3	0.41	ug/L		10/17/15 09:41	10/22/15 01:50	1
Pyrene	ND		5.3	0.36	ug/L		10/17/15 09:41	10/22/15 01:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*34*	*T J N*	*ug/L*		*3.57*	*110-82-7*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
Unknown	*65*	*T J*	*ug/L*		*3.72*		*10/17/15 09:41*	*10/22/15 01:50*	*1*
Formamide, N,N-dimethyl-	*5.7*	*T J N*	*ug/L*		*4.83*	*68-12-2*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
Cyclopentasiloxane, decamethyl-	*1.9*	*T J N*	*ug/L*		*7.45*	*541-02-6*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	*1.8*	*T J N*	*ug/L*		*7.74*	*464-48-2*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
Benzeneacetic acid	*8.9*	*T J N*	*ug/L*		*8.13*	*103-82-2*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
Cyclohexasiloxane, dodecamethyl-	*1.7*	*T J N*	*ug/L*		*8.34*	*540-97-6*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*9.12*		*10/17/15 09:41*	*10/22/15 01:50*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*3.1*	*T J N*	*ug/L*		*9.39*	*96-76-4*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
Diphenyl sulfone	*7.2*	*T J N*	*ug/L*		*11.19*	*127-63-9*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
Octadecanoic acid	*8.4*	*T J N*	*ug/L*		*11.83*	*57-11-4*	*10/17/15 09:41*	*10/22/15 01:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*52 - 132*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
2-Fluorobiphenyl	*81*		*48 - 120*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
2-Fluorophenol (Surr)	*48*		*20 - 120*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
Phenol-d5 (Surr)	*32*		*16 - 120*	*10/17/15 09:41*	*10/22/15 01:50*	*1*
p-Terphenyl-d14 (Surr)	*73*		*67 - 150*	*10/17/15 09:41*	*10/22/15 01:50*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.090**	**J ^**	0.20	0.060	mg/L		10/16/15 15:15	10/19/15 16:07	1
Antimony	ND		0.020	0.0068	mg/L		10/16/15 15:15	10/19/15 16:07	1
Arsenic	**0.0098**	**J**	0.015	0.0056	mg/L		10/16/15 15:15	10/19/15 16:07	1
Barium	**0.024**		0.0020	0.00070	mg/L		10/16/15 15:15	10/19/15 16:07	1
Beryllium	ND		0.0020	0.00030	mg/L		10/16/15 15:15	10/19/15 16:07	1
Cadmium	ND		0.0020	0.00050	mg/L		10/16/15 15:15	10/19/15 16:07	1
Calcium	**42.7**		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:07	1
Chromium	ND		0.0040	0.0010	mg/L		10/16/15 15:15	10/19/15 16:07	1
Cobalt	**0.0022**	**J**	0.0040	0.00063	mg/L		10/16/15 15:15	10/19/15 16:07	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-06-F-101515
Date Collected: 10/15/15 12:10
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0025	J	0.010	0.0016	mg/L		10/16/15 15:15	10/19/15 16:07	1
Iron	0.25		0.050	0.019	mg/L		10/16/15 15:15	10/19/15 16:07	1
Lead	ND		0.010	0.0030	mg/L		10/16/15 15:15	10/19/15 16:07	1
Magnesium	17.3		0.20	0.043	mg/L		10/16/15 15:15	10/19/15 16:07	1
Manganese	0.028		0.0030	0.00040	mg/L		10/16/15 15:15	10/19/15 16:07	1
Nickel	0.0041	J	0.010	0.0013	mg/L		10/16/15 15:15	10/19/15 16:07	1
Potassium	163		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:07	1
Selenium	ND		0.025	0.0087	mg/L		10/16/15 15:15	10/19/15 16:07	1
Silver	ND		0.0060	0.0017	mg/L		10/16/15 15:15	10/19/15 16:07	1
Sodium	121		1.0	0.32	mg/L		10/16/15 15:15	10/19/15 16:07	1
Thallium	ND		0.020	0.010	mg/L		10/16/15 15:15	10/19/15 16:07	1
Vanadium	0.0031	J	0.0050	0.0015	mg/L		10/16/15 15:15	10/19/15 16:07	1
Zinc	0.029	B	0.010	0.0015	mg/L		10/16/15 15:15	10/19/15 16:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.48		0.010	0.0050	mg/L		10/26/15 09:35	10/26/15 14:16	1

Client Sample ID: TP-DUP-01-101515
Date Collected: 10/15/15 09:45
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/17/15 09:41	10/22/15 02:19	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		10/17/15 09:41	10/22/15 02:19	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/17/15 09:41	10/22/15 02:19	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/17/15 09:41	10/22/15 02:19	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/17/15 09:41	10/22/15 02:19	1
2,4-Dinitrotoluene	ND		5.2	0.46	ug/L		10/17/15 09:41	10/22/15 02:19	1
2,6-Dinitrotoluene	ND		5.2	0.41	ug/L		10/17/15 09:41	10/22/15 02:19	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		10/17/15 09:41	10/22/15 02:19	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/17/15 09:41	10/22/15 02:19	1
2-Methylnaphthalene	ND		5.2	0.62	ug/L		10/17/15 09:41	10/22/15 02:19	1
2-Methylphenol	ND		5.2	0.41	ug/L		10/17/15 09:41	10/22/15 02:19	1
2-Nitroaniline	ND		10	0.43	ug/L		10/17/15 09:41	10/22/15 02:19	1
2-Nitrophenol	ND		5.2	0.50	ug/L		10/17/15 09:41	10/22/15 02:19	1
3,3'-Dichlorobenzidine	ND		5.2	0.41	ug/L		10/17/15 09:41	10/22/15 02:19	1
3-Nitroaniline	ND		10	0.50	ug/L		10/17/15 09:41	10/22/15 02:19	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/17/15 09:41	10/22/15 02:19	1
4-Bromophenyl phenyl ether	ND		5.2	0.46	ug/L		10/17/15 09:41	10/22/15 02:19	1
4-Chloro-3-methylphenol	ND		5.2	0.46	ug/L		10/17/15 09:41	10/22/15 02:19	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/17/15 09:41	10/22/15 02:19	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		10/17/15 09:41	10/22/15 02:19	1
4-Methylphenol	ND		10	0.37	ug/L		10/17/15 09:41	10/22/15 02:19	1
4-Nitroaniline	ND		10	0.26	ug/L		10/17/15 09:41	10/22/15 02:19	1
4-Nitrophenol	ND		10	1.6	ug/L		10/17/15 09:41	10/22/15 02:19	1
Acenaphthene	ND		5.2	0.42	ug/L		10/17/15 09:41	10/22/15 02:19	1
Acenaphthylene	ND		5.2	0.39	ug/L		10/17/15 09:41	10/22/15 02:19	1
Acetophenone	ND		5.2	0.56	ug/L		10/17/15 09:41	10/22/15 02:19	1
Anthracene	ND		5.2	0.29	ug/L		10/17/15 09:41	10/22/15 02:19	1
Atrazine	ND		5.2	0.48	ug/L		10/17/15 09:41	10/22/15 02:19	1
Benzaldehyde	ND		5.2	0.28	ug/L		10/17/15 09:41	10/22/15 02:19	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		10/17/15 09:41	10/22/15 02:19	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		10/17/15 09:41	10/22/15 02:19	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/17/15 09:41	10/22/15 02:19	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		10/17/15 09:41	10/22/15 02:19	1
Benzo[k]fluoranthene	ND		5.2	0.75	ug/L		10/17/15 09:41	10/22/15 02:19	1
Biphenyl	ND		5.2	0.67	ug/L		10/17/15 09:41	10/22/15 02:19	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/17/15 09:41	10/22/15 02:19	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		10/17/15 09:41	10/22/15 02:19	1
Bis(2-chloroethyl)ether	ND		5.2	0.41	ug/L		10/17/15 09:41	10/22/15 02:19	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/17/15 09:41	10/22/15 02:19	1
Butyl benzyl phthalate	**0.52**	**J B**	5.2	0.43	ug/L		10/17/15 09:41	10/22/15 02:19	1
Caprolactam	ND		5.2	2.3	ug/L		10/17/15 09:41	10/22/15 02:19	1
Carbazole	ND		5.2	0.31	ug/L		10/17/15 09:41	10/22/15 02:19	1
Chrysene	ND		5.2	0.34	ug/L		10/17/15 09:41	10/22/15 02:19	1
Dibenz(a,h)anthracene	ND		5.2	0.43	ug/L		10/17/15 09:41	10/22/15 02:19	1
Dibenzofuran	ND		10	0.53	ug/L		10/17/15 09:41	10/22/15 02:19	1
Diethyl phthalate	ND		5.2	0.23	ug/L		10/17/15 09:41	10/22/15 02:19	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		10/17/15 09:41	10/22/15 02:19	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		10/17/15 09:41	10/22/15 02:19	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		10/17/15 09:41	10/22/15 02:19	1

Client Sample ID: TP-DUP-01-101515

Date Collected: 10/15/15 09:45
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.41	ug/L		10/17/15 09:41	10/22/15 02:19	1
Fluorene	ND		5.2	0.37	ug/L		10/17/15 09:41	10/22/15 02:19	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/17/15 09:41	10/22/15 02:19	1
Hexachlorobutadiene	ND		5.2	0.70	ug/L		10/17/15 09:41	10/22/15 02:19	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/17/15 09:41	10/22/15 02:19	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/17/15 09:41	10/22/15 02:19	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		10/17/15 09:41	10/22/15 02:19	1
Isophorone	ND		5.2	0.44	ug/L		10/17/15 09:41	10/22/15 02:19	1
Naphthalene	ND		5.2	0.78	ug/L		10/17/15 09:41	10/22/15 02:19	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/17/15 09:41	10/22/15 02:19	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/17/15 09:41	10/22/15 02:19	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/17/15 09:41	10/22/15 02:19	1
Pentachlorophenol	ND		10	2.3	ug/L		10/17/15 09:41	10/22/15 02:19	1
Phenanthrene	ND		5.2	0.45	ug/L		10/17/15 09:41	10/22/15 02:19	1
Phenol	ND		5.2	0.40	ug/L		10/17/15 09:41	10/22/15 02:19	1
Pyrene	ND		5.2	0.35	ug/L		10/17/15 09:41	10/22/15 02:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane, methyl-	*3.8*	*T J N*	*ug/L*		*3.17*	*96-37-7*	*10/17/15 09:41*	*10/22/15 02:19*	*1*
Cyclohexane	*30*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/17/15 09:41*	*10/22/15 02:19*	*1*
Unknown	*58*	*T J*	*ug/L*		*3.73*		*10/17/15 09:41*	*10/22/15 02:19*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*10.78*		*10/17/15 09:41*	*10/22/15 02:19*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*11.35*		*10/17/15 09:41*	*10/22/15 02:19*	*1*
Unknown	*12*	*T J*	*ug/L*		*11.77*		*10/17/15 09:41*	*10/22/15 02:19*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*12.39*		*10/17/15 09:41*	*10/22/15 02:19*	*1*
Unknown	*16*	*T J*	*ug/L*		*12.87*		*10/17/15 09:41*	*10/22/15 02:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*52 - 132*	*10/17/15 09:41*	*10/22/15 02:19*	*1*
2-Fluorobiphenyl	*78*		*48 - 120*	*10/17/15 09:41*	*10/22/15 02:19*	*1*
2-Fluorophenol (Surr)	*49*		*20 - 120*	*10/17/15 09:41*	*10/22/15 02:19*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*10/17/15 09:41*	*10/22/15 02:19*	*1*
Phenol-d5 (Surr)	*34*		*16 - 120*	*10/17/15 09:41*	*10/22/15 02:19*	*1*
p-Terphenyl-d14 (Surr)	*81*		*67 - 150*	*10/17/15 09:41*	*10/22/15 02:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND	^	0.20	0.060	mg/L		10/16/15 15:15	10/19/15 16:10	1
Antimony	ND		0.020	0.0068	mg/L		10/16/15 15:15	10/19/15 16:10	1
Arsenic	ND		0.015	0.0056	mg/L		10/16/15 15:15	10/19/15 16:10	1
Barium	**0.046**		0.0020	0.00070	mg/L		10/16/15 15:15	10/19/15 16:10	1
Beryllium	ND		0.0020	0.00030	mg/L		10/16/15 15:15	10/19/15 16:10	1
Cadmium	ND		0.0020	0.00050	mg/L		10/16/15 15:15	10/19/15 16:10	1
Calcium	**75.6**		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:10	1
Chromium	ND		0.0040	0.0010	mg/L		10/16/15 15:15	10/19/15 16:10	1
Cobalt	ND		0.0040	0.00063	mg/L		10/16/15 15:15	10/19/15 16:10	1
Copper	ND		0.010	0.0016	mg/L		10/16/15 15:15	10/19/15 16:10	1
Iron	**3.2**		0.050	0.019	mg/L		10/16/15 15:15	10/19/15 16:10	1
Lead	ND		0.010	0.0030	mg/L		10/16/15 15:15	10/19/15 16:10	1
Magnesium	**43.2**		0.20	0.043	mg/L		10/16/15 15:15	10/19/15 16:10	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-DUP-01-101515
Date Collected: 10/15/15 09:45
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.56**		0.0030	0.00040	mg/L		10/16/15 15:15	10/19/15 16:10	1
Nickel	ND		0.010	0.0013	mg/L		10/16/15 15:15	10/19/15 16:10	1
Potassium	**53.3**		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:10	1
Selenium	ND		0.025	0.0087	mg/L		10/16/15 15:15	10/19/15 16:10	1
Silver	ND		0.0060	0.0017	mg/L		10/16/15 15:15	10/19/15 16:10	1
Sodium	**26.6**		1.0	0.32	mg/L		10/16/15 15:15	10/19/15 16:10	1
Thallium	ND		0.020	0.010	mg/L		10/16/15 15:15	10/19/15 16:10	1
Vanadium	ND		0.0050	0.0015	mg/L		10/16/15 15:15	10/19/15 16:10	1
Zinc	**0.0028**	**J B**	0.010	0.0015	mg/L		10/16/15 15:15	10/19/15 16:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/23/15 15:03	10/26/15 11:41	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-14-101515
Date Collected: 10/15/15 14:45
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	F2	4.8	0.46	ug/L		10/17/15 09:41	10/22/15 02:48	1
2,4,6-Trichlorophenol	ND	F2	4.8	0.59	ug/L		10/17/15 09:41	10/22/15 02:48	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		10/17/15 09:41	10/22/15 02:48	1
2,4-Dimethylphenol	ND		4.8	0.48	ug/L		10/17/15 09:41	10/22/15 02:48	1
2,4-Dinitrophenol	ND		9.7	2.1	ug/L		10/17/15 09:41	10/22/15 02:48	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		10/17/15 09:41	10/22/15 02:48	1
2,6-Dinitrotoluene	ND	F2	4.8	0.39	ug/L		10/17/15 09:41	10/22/15 02:48	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		10/17/15 09:41	10/22/15 02:48	1
2-Chlorophenol	ND		4.8	0.51	ug/L		10/17/15 09:41	10/22/15 02:48	1
2-Methylnaphthalene	ND		4.8	0.58	ug/L		10/17/15 09:41	10/22/15 02:48	1
2-Methylphenol	ND		4.8	0.39	ug/L		10/17/15 09:41	10/22/15 02:48	1
2-Nitroaniline	ND	F2	9.7	0.41	ug/L		10/17/15 09:41	10/22/15 02:48	1
2-Nitrophenol	ND		4.8	0.46	ug/L		10/17/15 09:41	10/22/15 02:48	1
3,3'-Dichlorobenzidine	ND	F2	4.8	0.39	ug/L		10/17/15 09:41	10/22/15 02:48	1
3-Nitroaniline	ND	F1	9.7	0.46	ug/L		10/17/15 09:41	10/22/15 02:48	1
4,6-Dinitro-2-methylphenol	ND	F2	9.7	2.1	ug/L		10/17/15 09:41	10/22/15 02:48	1
4-Bromophenyl phenyl ether	ND	F2	4.8	0.44	ug/L		10/17/15 09:41	10/22/15 02:48	1
4-Chloro-3-methylphenol	ND		4.8	0.44	ug/L		10/17/15 09:41	10/22/15 02:48	1
4-Chloroaniline	ND	F1	4.8	0.57	ug/L		10/17/15 09:41	10/22/15 02:48	1
4-Chlorophenyl phenyl ether	ND	F2	4.8	0.34	ug/L		10/17/15 09:41	10/22/15 02:48	1
4-Methylphenol	**0.37**	**J**	9.7	0.35	ug/L		10/17/15 09:41	10/22/15 02:48	1
4-Nitroaniline	ND		9.7	0.24	ug/L		10/17/15 09:41	10/22/15 02:48	1
4-Nitrophenol	ND		9.7	1.5	ug/L		10/17/15 09:41	10/22/15 02:48	1
Acenaphthene	ND		4.8	0.40	ug/L		10/17/15 09:41	10/22/15 02:48	1
Acenaphthylene	ND		4.8	0.37	ug/L		10/17/15 09:41	10/22/15 02:48	1
Acetophenone	ND		4.8	0.52	ug/L		10/17/15 09:41	10/22/15 02:48	1
Anthracene	ND	F2	4.8	0.27	ug/L		10/17/15 09:41	10/22/15 02:48	1
Atrazine	ND		4.8	0.44	ug/L		10/17/15 09:41	10/22/15 02:48	1
Benzaldehyde	**0.49**	**J F2**	4.8	0.26	ug/L		10/17/15 09:41	10/22/15 02:48	1
Benzo[a]anthracene	ND	F2	4.8	0.35	ug/L		10/17/15 09:41	10/22/15 02:48	1
Benzo[a]pyrene	ND	F2	4.8	0.45	ug/L		10/17/15 09:41	10/22/15 02:48	1
Benzo[b]fluoranthene	ND		4.8	0.33	ug/L		10/17/15 09:41	10/22/15 02:48	1
Benzo[g,h,i]perylene	ND	F2	4.8	0.34	ug/L		10/17/15 09:41	10/22/15 02:48	1
Benzo[k]fluoranthene	ND		4.8	0.71	ug/L		10/17/15 09:41	10/22/15 02:48	1
Biphenyl	ND	F2	4.8	0.63	ug/L		10/17/15 09:41	10/22/15 02:48	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		10/17/15 09:41	10/22/15 02:48	1
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L		10/17/15 09:41	10/22/15 02:48	1
Bis(2-chloroethyl)ether	ND		4.8	0.39	ug/L		10/17/15 09:41	10/22/15 02:48	1
Bis(2-ethylhexyl) phthalate	ND	F2	4.8	1.7	ug/L		10/17/15 09:41	10/22/15 02:48	1
Butyl benzyl phthalate	**0.55**	**J B F2**	4.8	0.41	ug/L		10/17/15 09:41	10/22/15 02:48	1
Caprolactam	ND		4.8	2.1	ug/L		10/17/15 09:41	10/22/15 02:48	1
Carbazole	ND	F2	4.8	0.29	ug/L		10/17/15 09:41	10/22/15 02:48	1
Chrysene	ND	F2	4.8	0.32	ug/L		10/17/15 09:41	10/22/15 02:48	1
Dibenz(a,h)anthracene	ND	F2	4.8	0.41	ug/L		10/17/15 09:41	10/22/15 02:48	1
Dibenzofuran	ND	F2	9.7	0.49	ug/L		10/17/15 09:41	10/22/15 02:48	1
Diethyl phthalate	ND	F2	4.8	0.21	ug/L		10/17/15 09:41	10/22/15 02:48	1
Dimethyl phthalate	ND	F2	4.8	0.35	ug/L		10/17/15 09:41	10/22/15 02:48	1
Di-n-butyl phthalate	ND	F2	4.8	0.30	ug/L		10/17/15 09:41	10/22/15 02:48	1
Di-n-octyl phthalate	ND	F2	4.8	0.45	ug/L		10/17/15 09:41	10/22/15 02:48	1

Client Sample ID: TP-14-101515

Date Collected: 10/15/15 14:45
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND	F2	4.8	0.39	ug/L		10/17/15 09:41	10/22/15 02:48	1
Fluorene	ND	F2	4.8	0.35	ug/L		10/17/15 09:41	10/22/15 02:48	1
Hexachlorobenzene	ND	F2	4.8	0.49	ug/L		10/17/15 09:41	10/22/15 02:48	1
Hexachlorobutadiene	ND		4.8	0.66	ug/L		10/17/15 09:41	10/22/15 02:48	1
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L		10/17/15 09:41	10/22/15 02:48	1
Hexachloroethane	ND		4.8	0.57	ug/L		10/17/15 09:41	10/22/15 02:48	1
Indeno[1,2,3-cd]pyrene	ND	F2	4.8	0.45	ug/L		10/17/15 09:41	10/22/15 02:48	1
Isophorone	ND	F2	4.8	0.42	ug/L		10/17/15 09:41	10/22/15 02:48	1
Naphthalene	ND		4.8	0.73	ug/L		10/17/15 09:41	10/22/15 02:48	1
Nitrobenzene	ND		4.8	0.28	ug/L		10/17/15 09:41	10/22/15 02:48	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		10/17/15 09:41	10/22/15 02:48	1
N-Nitrosodiphenylamine	ND	F2	4.8	0.49	ug/L		10/17/15 09:41	10/22/15 02:48	1
Pentachlorophenol	ND		9.7	2.1	ug/L		10/17/15 09:41	10/22/15 02:48	1
Phenanthrene	ND	F2	4.8	0.43	ug/L		10/17/15 09:41	10/22/15 02:48	1
Phenol	ND		4.8	0.38	ug/L		10/17/15 09:41	10/22/15 02:48	1
Pyrene	ND		4.8	0.33	ug/L		10/17/15 09:41	10/22/15 02:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.6*	*T J*	*ug/L*		*3.16*		*10/17/15 09:41*	*10/22/15 02:48*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*3.29*		*10/17/15 09:41*	*10/22/15 02:48*	*1*
Cyclohexane	*26*	*T J N*	*ug/L*		*3.57*	*110-82-7*	*10/17/15 09:41*	*10/22/15 02:48*	*1*
Unknown	*48*	*T J*	*ug/L*		*3.72*		*10/17/15 09:41*	*10/22/15 02:48*	*1*
Unknown	*3.2*	*T J*	*ug/L*		*5.45*		*10/17/15 09:41*	*10/22/15 02:48*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*6.47*		*10/17/15 09:41*	*10/22/15 02:48*	*1*
Decane	*2.3*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/17/15 09:41*	*10/22/15 02:48*	*1*
Benzoic Acid	*2.9*	*T J N*	*ug/L*		*7.67*	*65-85-0*	*10/17/15 09:41*	*10/22/15 02:48*	*1*
Nonanoic acid	*2.5*	*T J N*	*ug/L*		*8.18*	*112-05-0*	*10/17/15 09:41*	*10/22/15 02:48*	*1*
Cyclohexasiloxane, dodecamethyl-	*1.7*	*T J N*	*ug/L*		*8.34*	*540-97-6*	*10/17/15 09:41*	*10/22/15 02:48*	*1*
Benzaldehyde, 3-hydroxy-4-methoxy-	*2.4*	*T J N*	*ug/L*		*8.96*	*621-59-0*	*10/17/15 09:41*	*10/22/15 02:48*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*9.12*		*10/17/15 09:41*	*10/22/15 02:48*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*10.40*		*10/17/15 09:41*	*10/22/15 02:48*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*12.39*		*10/17/15 09:41*	*10/22/15 02:48*	*1*
9-Octadecenamide, (Z)-	*1.8*	*T J N*	*ug/L*		*14.80*	*301-02-0*	*10/17/15 09:41*	*10/22/15 02:48*	*1*
Unknown	*11*	*T J*	*ug/L*		*15.04*		*10/17/15 09:41*	*10/22/15 02:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*10/17/15 09:41*	*10/22/15 02:48*	*1*
2-Fluorobiphenyl	*76*		*48 - 120*	*10/17/15 09:41*	*10/22/15 02:48*	*1*
2-Fluorophenol (Surr)	*47*		*20 - 120*	*10/17/15 09:41*	*10/22/15 02:48*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 120*	*10/17/15 09:41*	*10/22/15 02:48*	*1*
Phenol-d5 (Surr)	*32*		*16 - 120*	*10/17/15 09:41*	*10/22/15 02:48*	*1*
p-Terphenyl-d14 (Surr)	*84*		*67 - 150*	*10/17/15 09:41*	*10/22/15 02:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.3**		0.20	0.060	mg/L		10/16/15 15:15	10/19/15 16:23	1
Antimony	ND		0.020	0.0068	mg/L		10/16/15 15:15	10/19/15 16:23	1
Arsenic	**0.023**		0.015	0.0056	mg/L		10/16/15 15:15	10/19/15 16:23	1
Barium	**0.12**		0.0020	0.00070	mg/L		10/16/15 15:15	10/19/15 16:23	1
Beryllium	ND		0.0020	0.00030	mg/L		10/16/15 15:15	10/19/15 16:23	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-14-101515
Date Collected: 10/15/15 14:45
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-6
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/16/15 15:15	10/19/15 16:23	1
Calcium	**174**		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:23	1
Chromium	**0.0026**	**J**	0.0040	0.0010	mg/L		10/16/15 15:15	10/19/15 16:23	1
Cobalt	**0.0018**	**J**	0.0040	0.00063	mg/L		10/16/15 15:15	10/19/15 16:23	1
Copper	**0.0040**	**J**	0.010	0.0016	mg/L		10/16/15 15:15	10/19/15 16:23	1
Iron	**2.7**		0.050	0.019	mg/L		10/16/15 15:15	10/19/15 16:23	1
Lead	ND		0.010	0.0030	mg/L		10/16/15 15:15	10/19/15 16:23	1
Magnesium	**5.5**		0.20	0.043	mg/L		10/16/15 15:15	10/19/15 16:23	1
Manganese	**0.043**		0.0030	0.00040	mg/L		10/16/15 15:15	10/19/15 16:23	1
Nickel	**0.0044**	**J**	0.010	0.0013	mg/L		10/16/15 15:15	10/19/15 16:23	1
Potassium	**15.5**		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:23	1
Selenium	ND		0.025	0.0087	mg/L		10/16/15 15:15	10/19/15 16:23	1
Silver	ND		0.0060	0.0017	mg/L		10/16/15 15:15	10/19/15 16:23	1
Sodium	**49.3**		1.0	0.32	mg/L		10/16/15 15:15	10/19/15 16:23	1
Thallium	ND		0.020	0.010	mg/L		10/16/15 15:15	10/19/15 16:23	1
Vanadium	**0.010**		0.0050	0.0015	mg/L		10/16/15 15:15	10/19/15 16:23	1
Zinc	**0.014**	**B**	0.010	0.0015	mg/L		10/16/15 15:15	10/19/15 16:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	F1 F2	0.010	0.0050	mg/L		10/27/15 02:50	10/27/15 13:41	1

Client Sample ID: TP-14-F-101515
Date Collected: 10/15/15 15:05
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/17/15 09:41	10/22/15 03:18	1
2,4,6-Trichlorophenol	ND		5.1	0.63	ug/L		10/17/15 09:41	10/22/15 03:18	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/17/15 09:41	10/22/15 03:18	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/17/15 09:41	10/22/15 03:18	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/17/15 09:41	10/22/15 03:18	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/17/15 09:41	10/22/15 03:18	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/17/15 09:41	10/22/15 03:18	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/17/15 09:41	10/22/15 03:18	1
2-Chlorophenol	ND		5.1	0.55	ug/L		10/17/15 09:41	10/22/15 03:18	1
2-Methylnaphthalene	ND		5.1	0.62	ug/L		10/17/15 09:41	10/22/15 03:18	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/17/15 09:41	10/22/15 03:18	1
2-Nitroaniline	ND		10	0.43	ug/L		10/17/15 09:41	10/22/15 03:18	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/17/15 09:41	10/22/15 03:18	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/17/15 09:41	10/22/15 03:18	1
3-Nitroaniline	ND		10	0.49	ug/L		10/17/15 09:41	10/22/15 03:18	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/17/15 09:41	10/22/15 03:18	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/17/15 09:41	10/22/15 03:18	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/17/15 09:41	10/22/15 03:18	1
4-Chloroaniline	ND		5.1	0.61	ug/L		10/17/15 09:41	10/22/15 03:18	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/17/15 09:41	10/22/15 03:18	1
4-Methylphenol	**0.47**	**J**	10	0.37	ug/L		10/17/15 09:41	10/22/15 03:18	1
4-Nitroaniline	ND		10	0.26	ug/L		10/17/15 09:41	10/22/15 03:18	1
4-Nitrophenol	ND		10	1.6	ug/L		10/17/15 09:41	10/22/15 03:18	1
Acenaphthene	ND		5.1	0.42	ug/L		10/17/15 09:41	10/22/15 03:18	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/17/15 09:41	10/22/15 03:18	1
Acetophenone	ND		5.1	0.56	ug/L		10/17/15 09:41	10/22/15 03:18	1
Anthracene	ND		5.1	0.29	ug/L		10/17/15 09:41	10/22/15 03:18	1
Atrazine	ND		5.1	0.47	ug/L		10/17/15 09:41	10/22/15 03:18	1
Benzaldehyde	**0.59**	**J**	5.1	0.27	ug/L		10/17/15 09:41	10/22/15 03:18	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/17/15 09:41	10/22/15 03:18	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/17/15 09:41	10/22/15 03:18	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/17/15 09:41	10/22/15 03:18	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/17/15 09:41	10/22/15 03:18	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/17/15 09:41	10/22/15 03:18	1
Biphenyl	ND		5.1	0.67	ug/L		10/17/15 09:41	10/22/15 03:18	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/17/15 09:41	10/22/15 03:18	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/17/15 09:41	10/22/15 03:18	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/17/15 09:41	10/22/15 03:18	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.9	ug/L		10/17/15 09:41	10/22/15 03:18	1
Butyl benzyl phthalate	**0.53**	**J B**	5.1	0.43	ug/L		10/17/15 09:41	10/22/15 03:18	1
Caprolactam	ND		5.1	2.3	ug/L		10/17/15 09:41	10/22/15 03:18	1
Carbazole	ND		5.1	0.31	ug/L		10/17/15 09:41	10/22/15 03:18	1
Chrysene	ND		5.1	0.34	ug/L		10/17/15 09:41	10/22/15 03:18	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/17/15 09:41	10/22/15 03:18	1
Dibenzofuran	ND		10	0.52	ug/L		10/17/15 09:41	10/22/15 03:18	1
Diethyl phthalate	ND		5.1	0.23	ug/L		10/17/15 09:41	10/22/15 03:18	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/17/15 09:41	10/22/15 03:18	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/17/15 09:41	10/22/15 03:18	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/17/15 09:41	10/22/15 03:18	1

Client Sample ID: TP-14-F-101515

Date Collected: 10/15/15 15:05
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-7

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/17/15 09:41	10/22/15 03:18	1
Fluorene	ND		5.1	0.37	ug/L		10/17/15 09:41	10/22/15 03:18	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/17/15 09:41	10/22/15 03:18	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/17/15 09:41	10/22/15 03:18	1
Hexachlorocyclopentadiene	ND		5.1	0.61	ug/L		10/17/15 09:41	10/22/15 03:18	1
Hexachloroethane	ND		5.1	0.61	ug/L		10/17/15 09:41	10/22/15 03:18	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/17/15 09:41	10/22/15 03:18	1
Isophorone	ND		5.1	0.44	ug/L		10/17/15 09:41	10/22/15 03:18	1
Naphthalene	ND		5.1	0.78	ug/L		10/17/15 09:41	10/22/15 03:18	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/17/15 09:41	10/22/15 03:18	1
N-Nitrosodi-n-propylamine	ND		5.1	0.56	ug/L		10/17/15 09:41	10/22/15 03:18	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/17/15 09:41	10/22/15 03:18	1
Pentachlorophenol	ND		10	2.3	ug/L		10/17/15 09:41	10/22/15 03:18	1
Phenanthrene	ND		5.1	0.45	ug/L		10/17/15 09:41	10/22/15 03:18	1
Phenol	ND		5.1	0.40	ug/L		10/17/15 09:41	10/22/15 03:18	1
Pyrene	ND		5.1	0.35	ug/L		10/17/15 09:41	10/22/15 03:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane, methyl-	*3.9*	*T J N*	*ug/L*		*3.16*	*96-37-7*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
Cyclohexane	*30*	*T J N*	*ug/L*		*3.57*	*110-82-7*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
Unknown	*60*	*T J*	*ug/L*		*3.72*		*10/17/15 09:41*	*10/22/15 03:18*	*1*
Formamide, N,N-dimethyl-	*2.3*	*T J N*	*ug/L*		*4.83*	*68-12-2*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*5.46*		*10/17/15 09:41*	*10/22/15 03:18*	*1*
Hexanoic acid	*2.4*	*T J N*	*ug/L*		*6.47*	*142-62-1*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
Decane	*3.2*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*7.45*		*10/17/15 09:41*	*10/22/15 03:18*	*1*
Octanoic Acid	*4.5*	*T J N*	*ug/L*		*7.67*	*124-07-2*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.2*	*T J N*	*ug/L*		*8.34*	*540-97-6*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
Benzaldehyde, 3-hydroxy-4-methoxy-	*2.4*	*T J N*	*ug/L*		*8.96*	*621-59-0*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*9.12*		*10/17/15 09:41*	*10/22/15 03:18*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*3.5*	*T J N*	*ug/L*		*9.40*	*96-76-4*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*10.40*		*10/17/15 09:41*	*10/22/15 03:18*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*11.35*		*10/17/15 09:41*	*10/22/15 03:18*	*1*
Unknown	*15*	*T J*	*ug/L*		*11.76*		*10/17/15 09:41*	*10/22/15 03:18*	*1*
Unknown	*5.7*	*T J*	*ug/L*		*12.39*		*10/17/15 09:41*	*10/22/15 03:18*	*1*
Unknown	*16*	*T J*	*ug/L*		*12.88*		*10/17/15 09:41*	*10/22/15 03:18*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*13.29*		*10/17/15 09:41*	*10/22/15 03:18*	*1*
Unknown	*13*	*T J*	*ug/L*		*15.04*		*10/17/15 09:41*	*10/22/15 03:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*52 - 132*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
2-Fluorophenol (Surr)	*60*		*20 - 120*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 120*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
Phenol-d5 (Surr)	*40*		*16 - 120*	*10/17/15 09:41*	*10/22/15 03:18*	*1*
p-Terphenyl-d14 (Surr)	*88*		*67 - 150*	*10/17/15 09:41*	*10/22/15 03:18*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/16/15 15:15	10/19/15 16:39	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-14-F-101515
Date Collected: 10/15/15 15:05
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-7
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/16/15 15:15	10/19/15 16:39	1
Arsenic	**0.020**		0.015	0.0056	mg/L		10/16/15 15:15	10/19/15 16:39	1
Barium	**0.073**		0.0020	0.00070	mg/L		10/16/15 15:15	10/19/15 16:39	1
Beryllium	ND		0.0020	0.00030	mg/L		10/16/15 15:15	10/19/15 16:39	1
Cadmium	ND		0.0020	0.00050	mg/L		10/16/15 15:15	10/19/15 16:39	1
Calcium	**118**		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:39	1
Chromium	ND		0.0040	0.0010	mg/L		10/16/15 15:15	10/19/15 16:39	1
Cobalt	ND		0.0040	0.00063	mg/L		10/16/15 15:15	10/19/15 16:39	1
Copper	ND		0.010	0.0016	mg/L		10/16/15 15:15	10/19/15 16:39	1
Iron	ND		0.050	0.019	mg/L		10/16/15 15:15	10/19/15 16:39	1
Lead	ND		0.010	0.0030	mg/L		10/16/15 15:15	10/19/15 16:39	1
Magnesium	**1.9**		0.20	0.043	mg/L		10/16/15 15:15	10/19/15 16:39	1
Manganese	ND		0.0030	0.00040	mg/L		10/16/15 15:15	10/19/15 16:39	1
Nickel	ND		0.010	0.0013	mg/L		10/16/15 15:15	10/19/15 16:39	1
Potassium	**14.4**		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:39	1
Selenium	**0.0091**	**J**	0.025	0.0087	mg/L		10/16/15 15:15	10/19/15 16:39	1
Silver	ND		0.0060	0.0017	mg/L		10/16/15 15:15	10/19/15 16:39	1
Sodium	**47.2**		1.0	0.32	mg/L		10/16/15 15:15	10/19/15 16:39	1
Thallium	ND		0.020	0.010	mg/L		10/16/15 15:15	10/19/15 16:39	1
Vanadium	**0.0043**	**J**	0.0050	0.0015	mg/L		10/16/15 15:15	10/19/15 16:39	1
Zinc	**0.0019**	**J B**	0.010	0.0015	mg/L		10/16/15 15:15	10/19/15 16:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.088**	**B**	0.010	0.0050	mg/L		10/23/15 15:03	10/26/15 11:42	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: FB-101515
Date Collected: 10/15/15 16:27
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/17/15 09:41	10/22/15 03:47	1
2,4,6-Trichlorophenol	ND		5.3	0.64	ug/L		10/17/15 09:41	10/22/15 03:47	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/17/15 09:41	10/22/15 03:47	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/17/15 09:41	10/22/15 03:47	1
2,4-Dinitrophenol	ND		11	2.3	ug/L		10/17/15 09:41	10/22/15 03:47	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		10/17/15 09:41	10/22/15 03:47	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		10/17/15 09:41	10/22/15 03:47	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		10/17/15 09:41	10/22/15 03:47	1
2-Chlorophenol	ND		5.3	0.56	ug/L		10/17/15 09:41	10/22/15 03:47	1
2-Methylnaphthalene	ND		5.3	0.63	ug/L		10/17/15 09:41	10/22/15 03:47	1
2-Methylphenol	ND		5.3	0.42	ug/L		10/17/15 09:41	10/22/15 03:47	1
2-Nitroaniline	ND		11	0.44	ug/L		10/17/15 09:41	10/22/15 03:47	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/17/15 09:41	10/22/15 03:47	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		10/17/15 09:41	10/22/15 03:47	1
3-Nitroaniline	ND		11	0.51	ug/L		10/17/15 09:41	10/22/15 03:47	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		10/17/15 09:41	10/22/15 03:47	1
4-Bromophenyl phenyl ether	ND		5.3	0.47	ug/L		10/17/15 09:41	10/22/15 03:47	1
4-Chloro-3-methylphenol	ND		5.3	0.47	ug/L		10/17/15 09:41	10/22/15 03:47	1
4-Chloroaniline	ND		5.3	0.62	ug/L		10/17/15 09:41	10/22/15 03:47	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/17/15 09:41	10/22/15 03:47	1
4-Methylphenol	ND		11	0.38	ug/L		10/17/15 09:41	10/22/15 03:47	1
4-Nitroaniline	ND		11	0.26	ug/L		10/17/15 09:41	10/22/15 03:47	1
4-Nitrophenol	ND		11	1.6	ug/L		10/17/15 09:41	10/22/15 03:47	1
Acenaphthene	ND		5.3	0.43	ug/L		10/17/15 09:41	10/22/15 03:47	1
Acenaphthylene	ND		5.3	0.40	ug/L		10/17/15 09:41	10/22/15 03:47	1
Acetophenone	ND		5.3	0.57	ug/L		10/17/15 09:41	10/22/15 03:47	1
Anthracene	ND		5.3	0.30	ug/L		10/17/15 09:41	10/22/15 03:47	1
Atrazine	ND		5.3	0.49	ug/L		10/17/15 09:41	10/22/15 03:47	1
Benzaldehyde	**0.48**	**J**	5.3	0.28	ug/L		10/17/15 09:41	10/22/15 03:47	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/17/15 09:41	10/22/15 03:47	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/17/15 09:41	10/22/15 03:47	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/17/15 09:41	10/22/15 03:47	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/17/15 09:41	10/22/15 03:47	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		10/17/15 09:41	10/22/15 03:47	1
Biphenyl	ND		5.3	0.69	ug/L		10/17/15 09:41	10/22/15 03:47	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		10/17/15 09:41	10/22/15 03:47	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/17/15 09:41	10/22/15 03:47	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		10/17/15 09:41	10/22/15 03:47	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/17/15 09:41	10/22/15 03:47	1
Butyl benzyl phthalate	**0.56**	**J B**	5.3	0.44	ug/L		10/17/15 09:41	10/22/15 03:47	1
Caprolactam	ND		5.3	2.3	ug/L		10/17/15 09:41	10/22/15 03:47	1
Carbazole	ND		5.3	0.32	ug/L		10/17/15 09:41	10/22/15 03:47	1
Chrysene	ND		5.3	0.35	ug/L		10/17/15 09:41	10/22/15 03:47	1
Dibenz(a,h)anthracene	ND		5.3	0.44	ug/L		10/17/15 09:41	10/22/15 03:47	1
Dibenzofuran	ND		11	0.54	ug/L		10/17/15 09:41	10/22/15 03:47	1
Diethyl phthalate	ND		5.3	0.23	ug/L		10/17/15 09:41	10/22/15 03:47	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		10/17/15 09:41	10/22/15 03:47	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		10/17/15 09:41	10/22/15 03:47	1
Di-n-octyl phthalate	**0.73**	**J**	5.3	0.50	ug/L		10/17/15 09:41	10/22/15 03:47	1

Client Sample ID: FB-101515

Date Collected: 10/15/15 16:27
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-8

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.42	ug/L		10/17/15 09:41	10/22/15 03:47	1
Fluorene	ND		5.3	0.38	ug/L		10/17/15 09:41	10/22/15 03:47	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/17/15 09:41	10/22/15 03:47	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		10/17/15 09:41	10/22/15 03:47	1
Hexachlorocyclopentadiene	ND		5.3	0.62	ug/L		10/17/15 09:41	10/22/15 03:47	1
Hexachloroethane	ND		5.3	0.62	ug/L		10/17/15 09:41	10/22/15 03:47	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/17/15 09:41	10/22/15 03:47	1
Isophorone	ND		5.3	0.45	ug/L		10/17/15 09:41	10/22/15 03:47	1
Naphthalene	ND		5.3	0.80	ug/L		10/17/15 09:41	10/22/15 03:47	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/17/15 09:41	10/22/15 03:47	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		10/17/15 09:41	10/22/15 03:47	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/17/15 09:41	10/22/15 03:47	1
Pentachlorophenol	ND		11	2.3	ug/L		10/17/15 09:41	10/22/15 03:47	1
Phenanthrene	ND		5.3	0.46	ug/L		10/17/15 09:41	10/22/15 03:47	1
Phenol	ND		5.3	0.41	ug/L		10/17/15 09:41	10/22/15 03:47	1
Pyrene	ND		5.3	0.36	ug/L		10/17/15 09:41	10/22/15 03:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane, methyl-	*4.2*	*T J N*	*ug/L*		*3.18*	*96-37-7*	*10/17/15 09:41*	*10/22/15 03:47*	*1*
Cyclohexane	*30*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/17/15 09:41*	*10/22/15 03:47*	*1*
Unknown	*59*	*T J*	*ug/L*		*3.73*		*10/17/15 09:41*	*10/22/15 03:47*	*1*
Decane	*3.1*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/17/15 09:41*	*10/22/15 03:47*	*1*
Unknown	*5.8*	*T J*	*ug/L*		*10.78*		*10/17/15 09:41*	*10/22/15 03:47*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*11.35*		*10/17/15 09:41*	*10/22/15 03:47*	*1*
Unknown	*17*	*T J*	*ug/L*		*11.76*		*10/17/15 09:41*	*10/22/15 03:47*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*12.39*		*10/17/15 09:41*	*10/22/15 03:47*	*1*
Unknown	*5.7*	*T J*	*ug/L*		*12.84*		*10/17/15 09:41*	*10/22/15 03:47*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*13.29*		*10/17/15 09:41*	*10/22/15 03:47*	*1*
Unknown	*6.8*	*T J*	*ug/L*		*14.14*		*10/17/15 09:41*	*10/22/15 03:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*52 - 132*	*10/17/15 09:41*	*10/22/15 03:47*	*1*
2-Fluorobiphenyl	*78*		*48 - 120*	*10/17/15 09:41*	*10/22/15 03:47*	*1*
2-Fluorophenol (Surr)	*46*		*20 - 120*	*10/17/15 09:41*	*10/22/15 03:47*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*10/17/15 09:41*	*10/22/15 03:47*	*1*
Phenol-d5 (Surr)	*34*		*16 - 120*	*10/17/15 09:41*	*10/22/15 03:47*	*1*
p-Terphenyl-d14 (Surr)	*94*		*67 - 150*	*10/17/15 09:41*	*10/22/15 03:47*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/16/15 15:15	10/19/15 16:42	1
Antimony	ND		0.020	0.0068	mg/L		10/16/15 15:15	10/19/15 16:42	1
Arsenic	ND		0.015	0.0056	mg/L		10/16/15 15:15	10/19/15 16:42	1
Barium	ND		0.0020	0.00070	mg/L		10/16/15 15:15	10/19/15 16:42	1
Beryllium	ND		0.0020	0.00030	mg/L		10/16/15 15:15	10/19/15 16:42	1
Cadmium	ND		0.0020	0.00050	mg/L		10/16/15 15:15	10/19/15 16:42	1
Calcium	**0.12**	**J**	0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:42	1
Chromium	ND		0.0040	0.0010	mg/L		10/16/15 15:15	10/19/15 16:42	1
Cobalt	ND		0.0040	0.00063	mg/L		10/16/15 15:15	10/19/15 16:42	1
Copper	ND		0.010	0.0016	mg/L		10/16/15 15:15	10/19/15 16:42	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: FB-101515
Date Collected: 10/15/15 16:27
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-8
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		10/16/15 15:15	10/19/15 16:42	1
Lead	ND		0.010	0.0030	mg/L		10/16/15 15:15	10/19/15 16:42	1
Magnesium	ND		0.20	0.043	mg/L		10/16/15 15:15	10/19/15 16:42	1
Manganese	**0.00067**	**J**	0.0030	0.00040	mg/L		10/16/15 15:15	10/19/15 16:42	1
Nickel	ND		0.010	0.0013	mg/L		10/16/15 15:15	10/19/15 16:42	1
Potassium	ND		0.50	0.10	mg/L		10/16/15 15:15	10/19/15 16:42	1
Selenium	ND		0.025	0.0087	mg/L		10/16/15 15:15	10/19/15 16:42	1
Silver	ND		0.0060	0.0017	mg/L		10/16/15 15:15	10/19/15 16:42	1
Sodium	ND		1.0	0.32	mg/L		10/16/15 15:15	10/19/15 16:42	1
Thallium	ND		0.020	0.010	mg/L		10/16/15 15:15	10/19/15 16:42	1
Vanadium	ND		0.0050	0.0015	mg/L		10/16/15 15:15	10/19/15 16:42	1
Zinc	**0.0052**	**J B**	0.010	0.0015	mg/L		10/16/15 15:15	10/19/15 16:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/23/15 15:03	10/26/15 11:48	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-05-101515
Date Collected: 10/15/15 09:40
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269403	10/17/15 09:41	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	270126	10/22/15 00:23	PJQ	TAL BUF
Total/NA	Prep	3005A			269259	10/16/15 15:15	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269736	10/19/15 15:58	AMH	TAL BUF
Total/NA	Prep	9012B			271071	10/26/15 09:35	LAW	TAL BUF
Total/NA	Analysis	9012B		1	271154	10/26/15 14:06	JJK	TAL BUF

Client Sample ID: TP-05-F-101515
Date Collected: 10/15/15 09:52
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269403	10/17/15 09:41	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	270126	10/22/15 00:52	PJQ	TAL BUF
Total/NA	Prep	3005A			269259	10/16/15 15:15	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269736	10/19/15 16:01	AMH	TAL BUF
Total/NA	Prep	9012B			271071	10/26/15 09:35	LAW	TAL BUF
Total/NA	Analysis	9012B		1	271154	10/26/15 14:12	JJK	TAL BUF

Client Sample ID: TP-06-101515
Date Collected: 10/15/15 12:00
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269403	10/17/15 09:41	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	270126	10/22/15 01:21	PJQ	TAL BUF
Total/NA	Prep	3005A			269259	10/16/15 15:15	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269736	10/19/15 16:04	AMH	TAL BUF
Total/NA	Prep	3005A			269259	10/16/15 15:15	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269856	10/20/15 09:22	AMH	TAL BUF
Total/NA	Prep	9012B			271071	10/26/15 09:35	LAW	TAL BUF
Total/NA	Analysis	9012B		1	271154	10/26/15 14:15	JJK	TAL BUF

Client Sample ID: TP-06-F-101515
Date Collected: 10/15/15 12:10
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269403	10/17/15 09:41	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	270126	10/22/15 01:50	PJQ	TAL BUF
Total/NA	Prep	3005A			269259	10/16/15 15:15	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269736	10/19/15 16:07	AMH	TAL BUF
Total/NA	Prep	9012B			271071	10/26/15 09:35	LAW	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: TP-06-F-101515
Date Collected: 10/15/15 12:10
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9012B		1	271154	10/26/15 14:16	JJK	TAL BUF

Client Sample ID: TP-DUP-01-101515
Date Collected: 10/15/15 09:45
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269403	10/17/15 09:41	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	270126	10/22/15 02:19	PJQ	TAL BUF
Total/NA	Prep	3005A			269259	10/16/15 15:15	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269736	10/19/15 16:10	AMH	TAL BUF
Total/NA	Prep	9012B			270757	10/23/15 15:03	SER	TAL BUF
Total/NA	Analysis	9012B		1	271154	10/26/15 11:41	JJK	TAL BUF

Client Sample ID: TP-14-101515
Date Collected: 10/15/15 14:45
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269403	10/17/15 09:41	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	270126	10/22/15 02:48	PJQ	TAL BUF
Total/NA	Prep	3005A			269259	10/16/15 15:15	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269736	10/19/15 16:23	AMH	TAL BUF
Total/NA	Prep	9012B			271297	10/27/15 02:50	LAW	TAL BUF
Total/NA	Analysis	9012B		1	271418	10/27/15 13:41	JJK	TAL BUF

Client Sample ID: TP-14-F-101515
Date Collected: 10/15/15 15:05
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269403	10/17/15 09:41	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	270126	10/22/15 03:18	PJQ	TAL BUF
Total/NA	Prep	3005A			269259	10/16/15 15:15	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269736	10/19/15 16:39	AMH	TAL BUF
Total/NA	Prep	9012B			270757	10/23/15 15:03	SER	TAL BUF
Total/NA	Analysis	9012B		1	271154	10/26/15 11:42	JJK	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Client Sample ID: FB-101515

Date Collected: 10/15/15 16:27
Date Received: 10/15/15 17:17

Lab Sample ID: 480-89238-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269403	10/17/15 09:41	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	270126	10/22/15 03:47	PJQ	TAL BUF
Total/NA	Prep	3005A			269259	10/16/15 15:15	KJ1	TAL BUF
Total/NA	Analysis	6010C		1	269736	10/19/15 16:42	AMH	TAL BUF
Total/NA	Prep	9012B			270757	10/23/15 15:03	SER	TAL BUF
Total/NA	Analysis	9012B		1	271154	10/26/15 11:48	JJK	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89238-1	TP-05-101515	Water	10/15/15 09:40	10/15/15 17:17
480-89238-2	TP-05-F-101515	Water	10/15/15 09:52	10/15/15 17:17
480-89238-3	TP-06-101515	Water	10/15/15 12:00	10/15/15 17:17
480-89238-4	TP-06-F-101515	Water	10/15/15 12:10	10/15/15 17:17
480-89238-5	TP-DUP-01-101515	Water	10/15/15 09:45	10/15/15 17:17
480-89238-6	TP-14-101515	Water	10/15/15 14:45	10/15/15 17:17
480-89238-7	TP-14-F-101515	Water	10/15/15 15:05	10/15/15 17:17
480-89238-8	FB-101515	Water	10/15/15 16:27	10/15/15 17:17

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAme

THE LEADER IN ENVIRONM

480-89238 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Amy Piccus – COM Smith	Amy Piccus	10/15/15	292035
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd.	516-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commons Park, Buffalo NY.			
Contract/Purchase Order/Quote No.			
71667			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOC 8270C	TAL Metals 6010C	Total VOC 8260B	Special Instructions/ Conditions of Receipt
TP-05-101515	10/15/15	940		X			2		1		1		X	X	X	
TP-05-F-101515	"	952		X			2		1		1		X	X	X	
TP-06-101515	"	1200		X			2		1		1		X	X	X	
TP-06-F-101515	"	1210		X			2		1		1		X	X	X	
TP-DUP-01-101515	"	945		X			2		1		1		X	X	X	
TP-14-101515	"	1445		X			2		1		1		X	X	X	
TP-MS-01-101515	"	1445		X			2		1		1		X	X	X	
TP-MSD-01-101515	"	1445		X			2		1		1		X	X	X	
TP-14-F-101515	"	1505		X			2		1		1		X	X	X	
FB-101515	"	1627		X			2		1		1		X	X	X	

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: LIA ESTRADA	10/15/15		1. Received By:	10/15/15	16:40
2. Relinquished By:	10/15/15	17:17	2. Received By:	10/15/15	1717
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments

3.0, 3.6 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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10/29/2015

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-89238-1

Login Number: 89238
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CDM SMITH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89318-1
Client Project/Site: Buffalo Lakeside #915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek



Authorized for release by:
10/27/2015 2:45:46 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
10/27/2015 2:45:46 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-89318-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89318-1

Receipt
The samples were received on 10/16/2015 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1° C.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-270403 recovered above the upper control limit for Benzo[g,h,i]perylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: CB-12-101615 (480-89318-1), CB-12-F-101615 (480-89318-2), CB-DUP-01-101615 (480-89318-3), CB-26-101615 (480-89318-4), CB-26-F-101615 (480-89318-5), CB-27-101615 (480-89318-6), CB-27-F-101615 (480-89318-7) and CB-28-101615 (480-89318-8).

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-270403 was outside the method criteria for the following analytes: Benzaldehyde and N-Nitrosodi-n-propylamine. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: Surrogate recovery for the following sample was outside control limits: CB-12-101615 (480-89318-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-270512 recovered above the upper control limit for Benzo(g,h,i)perylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: CB-28-F-101615 (480-89318-9) and FB-101615 (480-89318-10).

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-270512 was outside the method criteria for the following analyte(s): N-Nitrosodi-n-propylamine and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-12-101615
Date Collected: 10/16/15 12:40
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.6	0.54	ug/L		10/20/15 14:04	10/22/15 19:46	1
2,4,6-Trichlorophenol	ND		5.6	0.69	ug/L		10/20/15 14:04	10/22/15 19:46	1
2,4-Dichlorophenol	ND		5.6	0.57	ug/L		10/20/15 14:04	10/22/15 19:46	1
2,4-Dimethylphenol	ND		5.6	0.56	ug/L		10/20/15 14:04	10/22/15 19:46	1
2,4-Dinitrophenol	ND		11	2.5	ug/L		10/20/15 14:04	10/22/15 19:46	1
2,4-Dinitrotoluene	ND		5.6	0.50	ug/L		10/20/15 14:04	10/22/15 19:46	1
2,6-Dinitrotoluene	ND		5.6	0.45	ug/L		10/20/15 14:04	10/22/15 19:46	1
2-Chloronaphthalene	ND		5.6	0.52	ug/L		10/20/15 14:04	10/22/15 19:46	1
2-Chlorophenol	ND		5.6	0.60	ug/L		10/20/15 14:04	10/22/15 19:46	1
2-Methylnaphthalene	ND		5.6	0.68	ug/L		10/20/15 14:04	10/22/15 19:46	1
2-Methylphenol	ND		5.6	0.45	ug/L		10/20/15 14:04	10/22/15 19:46	1
2-Nitroaniline	ND		11	0.47	ug/L		10/20/15 14:04	10/22/15 19:46	1
2-Nitrophenol	ND		5.6	0.54	ug/L		10/20/15 14:04	10/22/15 19:46	1
3,3'-Dichlorobenzidine	ND		5.6	0.45	ug/L		10/20/15 14:04	10/22/15 19:46	1
3-Nitroaniline	ND		11	0.54	ug/L		10/20/15 14:04	10/22/15 19:46	1
4,6-Dinitro-2-methylphenol	ND		11	2.5	ug/L		10/20/15 14:04	10/22/15 19:46	1
4-Bromophenyl phenyl ether	ND		5.6	0.51	ug/L		10/20/15 14:04	10/22/15 19:46	1
4-Chloro-3-methylphenol	ND		5.6	0.51	ug/L		10/20/15 14:04	10/22/15 19:46	1
4-Chloroaniline	ND		5.6	0.67	ug/L		10/20/15 14:04	10/22/15 19:46	1
4-Chlorophenyl phenyl ether	ND		5.6	0.39	ug/L		10/20/15 14:04	10/22/15 19:46	1
4-Methylphenol	ND		11	0.41	ug/L		10/20/15 14:04	10/22/15 19:46	1
4-Nitroaniline	ND		11	0.28	ug/L		10/20/15 14:04	10/22/15 19:46	1
4-Nitrophenol	ND		11	1.7	ug/L		10/20/15 14:04	10/22/15 19:46	1
Acenaphthene	ND		5.6	0.46	ug/L		10/20/15 14:04	10/22/15 19:46	1
Acenaphthylene	ND		5.6	0.43	ug/L		10/20/15 14:04	10/22/15 19:46	1
Acetophenone	ND		5.6	0.61	ug/L		10/20/15 14:04	10/22/15 19:46	1
Anthracene	ND		5.6	0.32	ug/L		10/20/15 14:04	10/22/15 19:46	1
Atrazine	ND		5.6	0.52	ug/L		10/20/15 14:04	10/22/15 19:46	1
Benzaldehyde	**0.68**	**J B**	5.6	0.30	ug/L		10/20/15 14:04	10/22/15 19:46	1
Benzo[a]anthracene	ND		5.6	0.41	ug/L		10/20/15 14:04	10/22/15 19:46	1
Benzo[a]pyrene	ND		5.6	0.53	ug/L		10/20/15 14:04	10/22/15 19:46	1
Benzo[b]fluoranthene	ND		5.6	0.38	ug/L		10/20/15 14:04	10/22/15 19:46	1
Benzo[g,h,i]perylene	ND		5.6	0.39	ug/L		10/20/15 14:04	10/22/15 19:46	1
Benzo[k]fluoranthene	ND		5.6	0.82	ug/L		10/20/15 14:04	10/22/15 19:46	1
Biphenyl	ND		5.6	0.74	ug/L		10/20/15 14:04	10/22/15 19:46	1
bis (2-chloroisopropyl) ether	ND		5.6	0.59	ug/L		10/20/15 14:04	10/22/15 19:46	1
Bis(2-chloroethoxy)methane	ND		5.6	0.39	ug/L		10/20/15 14:04	10/22/15 19:46	1
Bis(2-chloroethyl)ether	ND		5.6	0.45	ug/L		10/20/15 14:04	10/22/15 19:46	1
Bis(2-ethylhexyl) phthalate	ND		5.6	2.0	ug/L		10/20/15 14:04	10/22/15 19:46	1
Butyl benzyl phthalate	ND		5.6	0.47	ug/L		10/20/15 14:04	10/22/15 19:46	1
Caprolactam	ND		5.6	2.5	ug/L		10/20/15 14:04	10/22/15 19:46	1
Carbazole	ND		5.6	0.34	ug/L		10/20/15 14:04	10/22/15 19:46	1
Chrysene	ND		5.6	0.37	ug/L		10/20/15 14:04	10/22/15 19:46	1
Dibenz(a,h)anthracene	ND		5.6	0.47	ug/L		10/20/15 14:04	10/22/15 19:46	1
Dibenzofuran	ND		11	0.57	ug/L		10/20/15 14:04	10/22/15 19:46	1
Diethyl phthalate	ND		5.6	0.25	ug/L		10/20/15 14:04	10/22/15 19:46	1
Dimethyl phthalate	ND		5.6	0.41	ug/L		10/20/15 14:04	10/22/15 19:46	1
Di-n-butyl phthalate	ND		5.6	0.35	ug/L		10/20/15 14:04	10/22/15 19:46	1
Di-n-octyl phthalate	ND		5.6	0.53	ug/L		10/20/15 14:04	10/22/15 19:46	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-12-101615
Date Collected: 10/16/15 12:40
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.6	0.45	ug/L		10/20/15 14:04	10/22/15 19:46	1
Fluorene	ND		5.6	0.41	ug/L		10/20/15 14:04	10/22/15 19:46	1
Hexachlorobenzene	ND		5.6	0.57	ug/L		10/20/15 14:04	10/22/15 19:46	1
Hexachlorobutadiene	ND		5.6	0.77	ug/L		10/20/15 14:04	10/22/15 19:46	1
Hexachlorocyclopentadiene	ND		5.6	0.67	ug/L		10/20/15 14:04	10/22/15 19:46	1
Hexachloroethane	ND		5.6	0.67	ug/L		10/20/15 14:04	10/22/15 19:46	1
Indeno[1,2,3-cd]pyrene	ND		5.6	0.53	ug/L		10/20/15 14:04	10/22/15 19:46	1
Isophorone	ND		5.6	0.48	ug/L		10/20/15 14:04	10/22/15 19:46	1
Naphthalene	ND		5.6	0.86	ug/L		10/20/15 14:04	10/22/15 19:46	1
Nitrobenzene	ND		5.6	0.33	ug/L		10/20/15 14:04	10/22/15 19:46	1
N-Nitrosodi-n-propylamine	ND		5.6	0.61	ug/L		10/20/15 14:04	10/22/15 19:46	1
N-Nitrosodiphenylamine	ND		5.6	0.57	ug/L		10/20/15 14:04	10/22/15 19:46	1
Pentachlorophenol	ND		11	2.5	ug/L		10/20/15 14:04	10/22/15 19:46	1
Phenanthrene	ND		5.6	0.50	ug/L		10/20/15 14:04	10/22/15 19:46	1
Phenol	ND		5.6	0.44	ug/L		10/20/15 14:04	10/22/15 19:46	1
Pyrene	ND		5.6	0.38	ug/L		10/20/15 14:04	10/22/15 19:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*9.1*	*T J N*	*ug/L*		*3.56*	*110-82-7*	*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*57*	*T J*	*ug/L*		*3.76*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*4.95*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*12*	*T J*	*ug/L*		*5.45*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*6.08*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*6.35*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Cyclohexanol, 5-methyl-2-(1-methylethyl)	*4.3*	*T J N*	*ug/L*		*7.82*	*15356-70-4*	*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*6.7*	*T J*	*ug/L*		*8.12*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*14*	*T J*	*ug/L*		*8.30*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*150*	*T J*	*ug/L*		*8.49*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*8.88*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*10.35*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*16*	*T J*	*ug/L*		*11.71*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*12.34*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*12.78*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Eicosane	*3.8*	*T J N*	*ug/L*		*13.23*	*112-95-8*	*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*9.4*	*T J*	*ug/L*		*13.57*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*9.0*	*T J*	*ug/L*		*14.99*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*4.7*	*T J*	*ug/L*		*16.53*		*10/20/15 14:04*	*10/22/15 19:46*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*17.21*		*10/20/15 14:04*	*10/22/15 19:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*34*	*X*	*52 - 132*	*10/20/15 14:04*	*10/22/15 19:46*	*1*
2-Fluorobiphenyl	*69*		*48 - 120*	*10/20/15 14:04*	*10/22/15 19:46*	*1*
2-Fluorophenol (Surr)	*4*	*X*	*20 - 120*	*10/20/15 14:04*	*10/22/15 19:46*	*1*
Nitrobenzene-d5 (Surr)	*54*		*46 - 120*	*10/20/15 14:04*	*10/22/15 19:46*	*1*
Phenol-d5 (Surr)	*15*	*X*	*16 - 120*	*10/20/15 14:04*	*10/22/15 19:46*	*1*
p-Terphenyl-d14 (Surr)	*79*		*67 - 150*	*10/20/15 14:04*	*10/22/15 19:46*	*1*

Client Sample Results

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-12-101615
Date Collected: 10/16/15 12:40
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-1
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.5**		0.20	0.060	mg/L		10/20/15 07:45	10/21/15 01:44	1
Antimony	ND		0.020	0.0068	mg/L		10/20/15 07:45	10/21/15 01:44	1
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 07:45	10/21/15 01:44	1
Barium	**0.038**		0.0020	0.00070	mg/L		10/20/15 07:45	10/21/15 01:44	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 07:45	10/21/15 01:44	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 07:45	10/21/15 01:44	1
Calcium	**39.5**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 01:44	1
Chromium	**0.0077**		0.0040	0.0010	mg/L		10/20/15 07:45	10/21/15 01:44	1
Cobalt	**0.0025**	**J**	0.0040	0.00063	mg/L		10/20/15 07:45	10/21/15 01:44	1
Copper	**0.016**		0.010	0.0016	mg/L		10/20/15 07:45	10/21/15 01:44	1
Iron	**5.5**		0.050	0.019	mg/L		10/20/15 07:45	10/21/15 01:44	1
Lead	**0.016**		0.010	0.0030	mg/L		10/20/15 07:45	10/21/15 01:44	1
Magnesium	**4.1**		0.20	0.043	mg/L		10/20/15 07:45	10/21/15 01:44	1
Manganese	**0.33**		0.0030	0.00040	mg/L		10/20/15 07:45	10/21/15 01:44	1
Nickel	**0.0061**	**J**	0.010	0.0013	mg/L		10/20/15 07:45	10/21/15 01:44	1
Potassium	**2.2**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 11:50	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 07:45	10/21/15 01:44	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 07:45	10/21/15 01:44	1
Sodium	**25.9**		1.0	0.32	mg/L		10/20/15 07:45	10/21/15 01:44	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 07:45	10/21/15 01:44	1
Vanadium	**0.0068**		0.0050	0.0015	mg/L		10/20/15 07:45	10/21/15 01:44	1
Zinc	**0.11**		0.010	0.0015	mg/L		10/20/15 07:45	10/21/15 01:44	1

Client Sample ID: CB-12-F-101615
Date Collected: 10/16/15 12:40
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/20/15 14:04	10/22/15 20:15	1
2,4,6-Trichlorophenol	ND		5.3	0.64	ug/L		10/20/15 14:04	10/22/15 20:15	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/20/15 14:04	10/22/15 20:15	1
2,4-Dimethylphenol	**1.2**	**J**	5.3	0.53	ug/L		10/20/15 14:04	10/22/15 20:15	1
2,4-Dinitrophenol	ND		11	2.3	ug/L		10/20/15 14:04	10/22/15 20:15	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		10/20/15 14:04	10/22/15 20:15	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		10/20/15 14:04	10/22/15 20:15	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		10/20/15 14:04	10/22/15 20:15	1
2-Chlorophenol	ND		5.3	0.56	ug/L		10/20/15 14:04	10/22/15 20:15	1
2-Methylnaphthalene	ND		5.3	0.63	ug/L		10/20/15 14:04	10/22/15 20:15	1
2-Methylphenol	ND		5.3	0.42	ug/L		10/20/15 14:04	10/22/15 20:15	1
2-Nitroaniline	ND		11	0.44	ug/L		10/20/15 14:04	10/22/15 20:15	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/20/15 14:04	10/22/15 20:15	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		10/20/15 14:04	10/22/15 20:15	1
3-Nitroaniline	ND		11	0.51	ug/L		10/20/15 14:04	10/22/15 20:15	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		10/20/15 14:04	10/22/15 20:15	1
4-Bromophenyl phenyl ether	ND		5.3	0.48	ug/L		10/20/15 14:04	10/22/15 20:15	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		10/20/15 14:04	10/22/15 20:15	1
4-Chloroaniline	ND		5.3	0.62	ug/L		10/20/15 14:04	10/22/15 20:15	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/20/15 14:04	10/22/15 20:15	1
4-Methylphenol	**0.69**	**J**	11	0.38	ug/L		10/20/15 14:04	10/22/15 20:15	1
4-Nitroaniline	ND		11	0.26	ug/L		10/20/15 14:04	10/22/15 20:15	1
4-Nitrophenol	**1.8**	**J**	11	1.6	ug/L		10/20/15 14:04	10/22/15 20:15	1
Acenaphthene	ND		5.3	0.43	ug/L		10/20/15 14:04	10/22/15 20:15	1
Acenaphthylene	ND		5.3	0.40	ug/L		10/20/15 14:04	10/22/15 20:15	1
Acetophenone	ND		5.3	0.57	ug/L		10/20/15 14:04	10/22/15 20:15	1
Anthracene	ND		5.3	0.30	ug/L		10/20/15 14:04	10/22/15 20:15	1
Atrazine	ND		5.3	0.49	ug/L		10/20/15 14:04	10/22/15 20:15	1
Benzaldehyde	**0.84**	**J B**	5.3	0.28	ug/L		10/20/15 14:04	10/22/15 20:15	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/20/15 14:04	10/22/15 20:15	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/20/15 14:04	10/22/15 20:15	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/20/15 14:04	10/22/15 20:15	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/20/15 14:04	10/22/15 20:15	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		10/20/15 14:04	10/22/15 20:15	1
Biphenyl	ND		5.3	0.69	ug/L		10/20/15 14:04	10/22/15 20:15	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		10/20/15 14:04	10/22/15 20:15	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/20/15 14:04	10/22/15 20:15	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		10/20/15 14:04	10/22/15 20:15	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/20/15 14:04	10/22/15 20:15	1
Butyl benzyl phthalate	ND		5.3	0.44	ug/L		10/20/15 14:04	10/22/15 20:15	1
Caprolactam	ND		5.3	2.3	ug/L		10/20/15 14:04	10/22/15 20:15	1
Carbazole	ND		5.3	0.32	ug/L		10/20/15 14:04	10/22/15 20:15	1
Chrysene	ND		5.3	0.35	ug/L		10/20/15 14:04	10/22/15 20:15	1
Dibenz(a,h)anthracene	ND		5.3	0.44	ug/L		10/20/15 14:04	10/22/15 20:15	1
Dibenzofuran	ND		11	0.54	ug/L		10/20/15 14:04	10/22/15 20:15	1
Diethyl phthalate	ND		5.3	0.23	ug/L		10/20/15 14:04	10/22/15 20:15	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		10/20/15 14:04	10/22/15 20:15	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		10/20/15 14:04	10/22/15 20:15	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		10/20/15 14:04	10/22/15 20:15	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-12-F-101615
Date Collected: 10/16/15 12:40
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.42	ug/L		10/20/15 14:04	10/22/15 20:15	1
Fluorene	ND		5.3	0.38	ug/L		10/20/15 14:04	10/22/15 20:15	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/20/15 14:04	10/22/15 20:15	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		10/20/15 14:04	10/22/15 20:15	1
Hexachlorocyclopentadiene	ND		5.3	0.62	ug/L		10/20/15 14:04	10/22/15 20:15	1
Hexachloroethane	ND		5.3	0.62	ug/L		10/20/15 14:04	10/22/15 20:15	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/20/15 14:04	10/22/15 20:15	1
Isophorone	ND		5.3	0.45	ug/L		10/20/15 14:04	10/22/15 20:15	1
Naphthalene	ND		5.3	0.80	ug/L		10/20/15 14:04	10/22/15 20:15	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/20/15 14:04	10/22/15 20:15	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		10/20/15 14:04	10/22/15 20:15	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/20/15 14:04	10/22/15 20:15	1
Pentachlorophenol	ND		11	2.3	ug/L		10/20/15 14:04	10/22/15 20:15	1
Phenanthrene	ND		5.3	0.46	ug/L		10/20/15 14:04	10/22/15 20:15	1
Phenol	ND		5.3	0.41	ug/L		10/20/15 14:04	10/22/15 20:15	1
Pyrene	ND		5.3	0.36	ug/L		10/20/15 14:04	10/22/15 20:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*9.9*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
Unknown	*78*	*T J*	*ug/L*		*3.75*		*10/20/15 14:04*	*10/22/15 20:15*	*1*
Unknown	*6.4*	*T J*	*ug/L*		*5.45*		*10/20/15 14:04*	*10/22/15 20:15*	*1*
Benzene, 1,3-dimethyl-	*7.3*	*T J N*	*ug/L*		*5.76*	*108-38-3*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
Unknown	*5.8*	*T J*	*ug/L*		*6.35*		*10/20/15 14:04*	*10/22/15 20:15*	*1*
Decane	*4.0*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
Cyclohexanol, 5-methyl-2-(1-methylethyl)	*6.0*	*T J N*	*ug/L*		*7.82*	*15356-70-4*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
Unknown	*41*	*T J*	*ug/L*		*8.45*		*10/20/15 14:04*	*10/22/15 20:15*	*1*
Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-	*4.7*	*T J N*	*ug/L*		*9.14*	*143-22-6*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*8.8*	*T J N*	*ug/L*		*9.36*	*96-76-4*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
Unknown	*22*	*T J*	*ug/L*		*10.36*		*10/20/15 14:04*	*10/22/15 20:15*	*1*
n-Hexadecanoic acid	*19*	*T J N*	*ug/L*		*11.05*	*57-10-3*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
Diphenyl sulfone	*3.9*	*T J N*	*ug/L*		*11.15*	*127-63-9*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
Unknown	*20*	*T J*	*ug/L*		*11.72*		*10/20/15 14:04*	*10/22/15 20:15*	*1*
Octadecanoic acid	*7.7*	*T J N*	*ug/L*		*11.79*	*57-11-4*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
Unknown	*8.6*	*T J*	*ug/L*		*12.34*		*10/20/15 14:04*	*10/22/15 20:15*	*1*
Unknown	*7.2*	*T J*	*ug/L*		*12.79*		*10/20/15 14:04*	*10/22/15 20:15*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*13.24*		*10/20/15 14:04*	*10/22/15 20:15*	*1*
Unknown	*10*	*T J*	*ug/L*		*14.99*		*10/20/15 14:04*	*10/22/15 20:15*	*1*
Unknown	*4.9*	*T J*	*ug/L*		*16.55*		*10/20/15 14:04*	*10/22/15 20:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*52 - 132*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
2-Fluorophenol (Surr)	*59*		*20 - 120*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 120*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
Phenol-d5 (Surr)	*42*		*16 - 120*	*10/20/15 14:04*	*10/22/15 20:15*	*1*
p-Terphenyl-d14 (Surr)	*88*		*67 - 150*	*10/20/15 14:04*	*10/22/15 20:15*	*1*

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-12-F-101615
Date Collected: 10/16/15 12:40
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-2
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/20/15 07:45	10/21/15 01:47	1
Antimony	ND		0.020	0.0068	mg/L		10/20/15 07:45	10/21/15 01:47	1
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 07:45	10/21/15 01:47	1
Barium	**0.017**		0.0020	0.00070	mg/L		10/20/15 07:45	10/21/15 01:47	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 07:45	10/21/15 01:47	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 07:45	10/21/15 01:47	1
Calcium	**27.8**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 01:47	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 07:45	10/21/15 01:47	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 07:45	10/21/15 01:47	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 07:45	10/21/15 01:47	1
Iron	**0.53**		0.050	0.019	mg/L		10/20/15 07:45	10/21/15 01:47	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 07:45	10/21/15 01:47	1
Magnesium	**0.75**		0.20	0.043	mg/L		10/20/15 07:45	10/21/15 01:47	1
Manganese	**0.25**		0.0030	0.00040	mg/L		10/20/15 07:45	10/21/15 01:47	1
Nickel	ND		0.010	0.0013	mg/L		10/20/15 07:45	10/21/15 01:47	1
Potassium	**1.5**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 11:53	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 07:45	10/21/15 01:47	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 07:45	10/21/15 01:47	1
Sodium	**25.8**		1.0	0.32	mg/L		10/20/15 07:45	10/21/15 01:47	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 07:45	10/21/15 01:47	1
Vanadium	ND		0.0050	0.0015	mg/L		10/20/15 07:45	10/21/15 01:47	1
Zinc	**0.0058**	**J**	0.010	0.0015	mg/L		10/20/15 07:45	10/21/15 01:47	1

Client Sample ID: CB-DUP-01-101615
Date Collected: 10/16/15 12:40
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.5	0.53	ug/L		10/20/15 14:04	10/22/15 20:44	1
2,4,6-Trichlorophenol	ND		5.5	0.68	ug/L		10/20/15 14:04	10/22/15 20:44	1
2,4-Dichlorophenol	ND		5.5	0.57	ug/L		10/20/15 14:04	10/22/15 20:44	1
2,4-Dimethylphenol	ND		5.5	0.55	ug/L		10/20/15 14:04	10/22/15 20:44	1
2,4-Dinitrophenol	ND		11	2.5	ug/L		10/20/15 14:04	10/22/15 20:44	1
2,4-Dinitrotoluene	ND		5.5	0.50	ug/L		10/20/15 14:04	10/22/15 20:44	1
2,6-Dinitrotoluene	ND		5.5	0.44	ug/L		10/20/15 14:04	10/22/15 20:44	1
2-Chloronaphthalene	ND		5.5	0.51	ug/L		10/20/15 14:04	10/22/15 20:44	1
2-Chlorophenol	ND		5.5	0.59	ug/L		10/20/15 14:04	10/22/15 20:44	1
2-Methylnaphthalene	ND		5.5	0.67	ug/L		10/20/15 14:04	10/22/15 20:44	1
2-Methylphenol	ND		5.5	0.44	ug/L		10/20/15 14:04	10/22/15 20:44	1
2-Nitroaniline	ND		11	0.47	ug/L		10/20/15 14:04	10/22/15 20:44	1
2-Nitrophenol	ND		5.5	0.53	ug/L		10/20/15 14:04	10/22/15 20:44	1
3,3'-Dichlorobenzidine	ND		5.5	0.44	ug/L		10/20/15 14:04	10/22/15 20:44	1
3-Nitroaniline	ND		11	0.53	ug/L		10/20/15 14:04	10/22/15 20:44	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/20/15 14:04	10/22/15 20:44	1
4-Bromophenyl phenyl ether	ND		5.5	0.50	ug/L		10/20/15 14:04	10/22/15 20:44	1
4-Chloro-3-methylphenol	ND		5.5	0.50	ug/L		10/20/15 14:04	10/22/15 20:44	1
4-Chloroaniline	ND		5.5	0.65	ug/L		10/20/15 14:04	10/22/15 20:44	1
4-Chlorophenyl phenyl ether	ND		5.5	0.39	ug/L		10/20/15 14:04	10/22/15 20:44	1
4-Methylphenol	ND		11	0.40	ug/L		10/20/15 14:04	10/22/15 20:44	1
4-Nitroaniline	ND		11	0.28	ug/L		10/20/15 14:04	10/22/15 20:44	1
4-Nitrophenol	ND		11	1.7	ug/L		10/20/15 14:04	10/22/15 20:44	1
Acenaphthene	ND		5.5	0.45	ug/L		10/20/15 14:04	10/22/15 20:44	1
Acenaphthylene	ND		5.5	0.42	ug/L		10/20/15 14:04	10/22/15 20:44	1
Acetophenone	ND		5.5	0.60	ug/L		10/20/15 14:04	10/22/15 20:44	1
Anthracene	ND		5.5	0.31	ug/L		10/20/15 14:04	10/22/15 20:44	1
Atrazine	ND		5.5	0.51	ug/L		10/20/15 14:04	10/22/15 20:44	1
Benzaldehyde	ND		5.5	0.30	ug/L		10/20/15 14:04	10/22/15 20:44	1
Benzo[a]anthracene	ND		5.5	0.40	ug/L		10/20/15 14:04	10/22/15 20:44	1
Benzo[a]pyrene	ND		5.5	0.52	ug/L		10/20/15 14:04	10/22/15 20:44	1
Benzo[b]fluoranthene	ND		5.5	0.38	ug/L		10/20/15 14:04	10/22/15 20:44	1
Benzo[g,h,i]perylene	ND		5.5	0.39	ug/L		10/20/15 14:04	10/22/15 20:44	1
Benzo[k]fluoranthene	ND		5.5	0.81	ug/L		10/20/15 14:04	10/22/15 20:44	1
Biphenyl	ND		5.5	0.72	ug/L		10/20/15 14:04	10/22/15 20:44	1
bis (2-chloroisopropyl) ether	ND		5.5	0.58	ug/L		10/20/15 14:04	10/22/15 20:44	1
Bis(2-chloroethoxy)methane	ND		5.5	0.39	ug/L		10/20/15 14:04	10/22/15 20:44	1
Bis(2-chloroethyl)ether	ND		5.5	0.44	ug/L		10/20/15 14:04	10/22/15 20:44	1
Bis(2-ethylhexyl) phthalate	ND		5.5	2.0	ug/L		10/20/15 14:04	10/22/15 20:44	1
Butyl benzyl phthalate	ND		5.5	0.47	ug/L		10/20/15 14:04	10/22/15 20:44	1
Caprolactam	ND		5.5	2.4	ug/L		10/20/15 14:04	10/22/15 20:44	1
Carbazole	ND		5.5	0.33	ug/L		10/20/15 14:04	10/22/15 20:44	1
Chrysene	ND		5.5	0.37	ug/L		10/20/15 14:04	10/22/15 20:44	1
Dibenz(a,h)anthracene	ND		5.5	0.47	ug/L		10/20/15 14:04	10/22/15 20:44	1
Dibenzofuran	ND		11	0.57	ug/L		10/20/15 14:04	10/22/15 20:44	1
Diethyl phthalate	ND		5.5	0.24	ug/L		10/20/15 14:04	10/22/15 20:44	1
Dimethyl phthalate	ND		5.5	0.40	ug/L		10/20/15 14:04	10/22/15 20:44	1
Di-n-butyl phthalate	ND		5.5	0.34	ug/L		10/20/15 14:04	10/22/15 20:44	1
Di-n-octyl phthalate	ND		5.5	0.52	ug/L		10/20/15 14:04	10/22/15 20:44	1

Client Sample ID: CB-DUP-01-101615

Date Collected: 10/16/15 12:40
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.5	0.44	ug/L		10/20/15 14:04	10/22/15 20:44	1
Fluorene	ND		5.5	0.40	ug/L		10/20/15 14:04	10/22/15 20:44	1
Hexachlorobenzene	ND		5.5	0.57	ug/L		10/20/15 14:04	10/22/15 20:44	1
Hexachlorobutadiene	ND		5.5	0.75	ug/L		10/20/15 14:04	10/22/15 20:44	1
Hexachlorocyclopentadiene	ND		5.5	0.65	ug/L		10/20/15 14:04	10/22/15 20:44	1
Hexachloroethane	ND		5.5	0.65	ug/L		10/20/15 14:04	10/22/15 20:44	1
Indeno[1,2,3-cd]pyrene	ND		5.5	0.52	ug/L		10/20/15 14:04	10/22/15 20:44	1
Isophorone	ND		5.5	0.48	ug/L		10/20/15 14:04	10/22/15 20:44	1
Naphthalene	ND		5.5	0.84	ug/L		10/20/15 14:04	10/22/15 20:44	1
Nitrobenzene	ND		5.5	0.32	ug/L		10/20/15 14:04	10/22/15 20:44	1
N-Nitrosodi-n-propylamine	ND		5.5	0.60	ug/L		10/20/15 14:04	10/22/15 20:44	1
N-Nitrosodiphenylamine	ND		5.5	0.57	ug/L		10/20/15 14:04	10/22/15 20:44	1
Pentachlorophenol	ND		11	2.4	ug/L		10/20/15 14:04	10/22/15 20:44	1
Phenanthrene	ND		5.5	0.49	ug/L		10/20/15 14:04	10/22/15 20:44	1
Phenol	ND		5.5	0.43	ug/L		10/20/15 14:04	10/22/15 20:44	1
Pyrene	ND		5.5	0.38	ug/L		10/20/15 14:04	10/22/15 20:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*16*	*T J N*	*ug/L*		*3.56*	*110-82-7*	*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*69*	*T J*	*ug/L*		*3.76*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
2-Butenoic acid, (E)-	*20*	*T J N*	*ug/L*		*5.39*	*107-93-7*	*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*5.45*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
p-Xylene	*7.1*	*T J N*	*ug/L*		*5.76*	*106-42-3*	*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*8.9*	*T J*	*ug/L*		*6.35*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Menthol	*5.3*	*T J N*	*ug/L*		*7.82*	*1490-04-6*	*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*6.6*	*T J*	*ug/L*		*8.29*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*110*	*T J*	*ug/L*		*8.47*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*4.1*	*T J*	*ug/L*		*10.15*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*83*	*T J*	*ug/L*		*10.38*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*7.7*	*T J*	*ug/L*		*10.75*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*21*	*T J*	*ug/L*		*11.72*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*12.34*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*13.24*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*16*	*T J*	*ug/L*		*13.57*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*14.62*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*14*	*T J*	*ug/L*		*14.99*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*5.1*	*T J*	*ug/L*		*16.54*		*10/20/15 14:04*	*10/22/15 20:44*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*17.22*		*10/20/15 14:04*	*10/22/15 20:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*52 - 132*	*10/20/15 14:04*	*10/22/15 20:44*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*10/20/15 14:04*	*10/22/15 20:44*	*1*
2-Fluorophenol (Surr)	*52*		*20 - 120*	*10/20/15 14:04*	*10/22/15 20:44*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 120*	*10/20/15 14:04*	*10/22/15 20:44*	*1*
Phenol-d5 (Surr)	*40*		*16 - 120*	*10/20/15 14:04*	*10/22/15 20:44*	*1*
p-Terphenyl-d14 (Surr)	*89*		*67 - 150*	*10/20/15 14:04*	*10/22/15 20:44*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.6**		0.20	0.060	mg/L		10/20/15 07:45	10/21/15 01:50	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-DUP-01-101615
Date Collected: 10/16/15 12:40
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/20/15 07:45	10/21/15 01:50	1
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 07:45	10/21/15 01:50	1
Barium	**0.029**		0.0020	0.00070	mg/L		10/20/15 07:45	10/21/15 01:50	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 07:45	10/21/15 01:50	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 07:45	10/21/15 01:50	1
Calcium	**32.1**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 01:50	1
Chromium	**0.0046**		0.0040	0.0010	mg/L		10/20/15 07:45	10/21/15 01:50	1
Cobalt	**0.0015**	**J**	0.0040	0.00063	mg/L		10/20/15 07:45	10/21/15 01:50	1
Copper	**0.0093**	**J**	0.010	0.0016	mg/L		10/20/15 07:45	10/21/15 01:50	1
Iron	**3.3**		0.050	0.019	mg/L		10/20/15 07:45	10/21/15 01:50	1
Lead	**0.0084**	**J**	0.010	0.0030	mg/L		10/20/15 07:45	10/21/15 01:50	1
Magnesium	**2.0**		0.20	0.043	mg/L		10/20/15 07:45	10/21/15 01:50	1
Manganese	**0.29**		0.0030	0.00040	mg/L		10/20/15 07:45	10/21/15 01:50	1
Nickel	**0.0035**	**J**	0.010	0.0013	mg/L		10/20/15 07:45	10/21/15 01:50	1
Potassium	**2.0**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 11:56	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 07:45	10/21/15 01:50	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 07:45	10/21/15 01:50	1
Sodium	**26.0**		1.0	0.32	mg/L		10/20/15 07:45	10/21/15 01:50	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 07:45	10/21/15 01:50	1
Vanadium	**0.0046**	**J**	0.0050	0.0015	mg/L		10/20/15 07:45	10/21/15 01:50	1
Zinc	**0.064**		0.010	0.0015	mg/L		10/20/15 07:45	10/21/15 01:50	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-26-101615
Date Collected: 10/16/15 13:47
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.6	0.54	ug/L		10/20/15 14:04	10/22/15 21:13	1
2,4,6-Trichlorophenol	ND		5.6	0.68	ug/L		10/20/15 14:04	10/22/15 21:13	1
2,4-Dichlorophenol	ND		5.6	0.57	ug/L		10/20/15 14:04	10/22/15 21:13	1
2,4-Dimethylphenol	**0.71**	**J**	5.6	0.56	ug/L		10/20/15 14:04	10/22/15 21:13	1
2,4-Dinitrophenol	ND		11	2.5	ug/L		10/20/15 14:04	10/22/15 21:13	1
2,4-Dinitrotoluene	ND		5.6	0.50	ug/L		10/20/15 14:04	10/22/15 21:13	1
2,6-Dinitrotoluene	ND		5.6	0.45	ug/L		10/20/15 14:04	10/22/15 21:13	1
2-Chloronaphthalene	ND		5.6	0.52	ug/L		10/20/15 14:04	10/22/15 21:13	1
2-Chlorophenol	ND		5.6	0.59	ug/L		10/20/15 14:04	10/22/15 21:13	1
2-Methylnaphthalene	ND		5.6	0.67	ug/L		10/20/15 14:04	10/22/15 21:13	1
2-Methylphenol	ND		5.6	0.45	ug/L		10/20/15 14:04	10/22/15 21:13	1
2-Nitroaniline	ND		11	0.47	ug/L		10/20/15 14:04	10/22/15 21:13	1
2-Nitrophenol	ND		5.6	0.54	ug/L		10/20/15 14:04	10/22/15 21:13	1
3,3'-Dichlorobenzidine	ND		5.6	0.45	ug/L		10/20/15 14:04	10/22/15 21:13	1
3-Nitroaniline	ND		11	0.54	ug/L		10/20/15 14:04	10/22/15 21:13	1
4,6-Dinitro-2-methylphenol	ND		11	2.5	ug/L		10/20/15 14:04	10/22/15 21:13	1
4-Bromophenyl phenyl ether	ND		5.6	0.50	ug/L		10/20/15 14:04	10/22/15 21:13	1
4-Chloro-3-methylphenol	ND		5.6	0.50	ug/L		10/20/15 14:04	10/22/15 21:13	1
4-Chloroaniline	ND		5.6	0.66	ug/L		10/20/15 14:04	10/22/15 21:13	1
4-Chlorophenyl phenyl ether	ND		5.6	0.39	ug/L		10/20/15 14:04	10/22/15 21:13	1
4-Methylphenol	**0.46**	**J**	11	0.40	ug/L		10/20/15 14:04	10/22/15 21:13	1
4-Nitroaniline	ND		11	0.28	ug/L		10/20/15 14:04	10/22/15 21:13	1
4-Nitrophenol	ND		11	1.7	ug/L		10/20/15 14:04	10/22/15 21:13	1
Acenaphthene	ND		5.6	0.46	ug/L		10/20/15 14:04	10/22/15 21:13	1
Acenaphthylene	ND		5.6	0.43	ug/L		10/20/15 14:04	10/22/15 21:13	1
Acetophenone	ND		5.6	0.61	ug/L		10/20/15 14:04	10/22/15 21:13	1
Anthracene	ND		5.6	0.31	ug/L		10/20/15 14:04	10/22/15 21:13	1
Atrazine	ND		5.6	0.52	ug/L		10/20/15 14:04	10/22/15 21:13	1
Benzaldehyde	**0.50**	**J B**	5.6	0.30	ug/L		10/20/15 14:04	10/22/15 21:13	1
Benzo[a]anthracene	ND		5.6	0.40	ug/L		10/20/15 14:04	10/22/15 21:13	1
Benzo[a]pyrene	ND		5.6	0.53	ug/L		10/20/15 14:04	10/22/15 21:13	1
Benzo[b]fluoranthene	ND		5.6	0.38	ug/L		10/20/15 14:04	10/22/15 21:13	1
Benzo[g,h,i]perylene	ND		5.6	0.39	ug/L		10/20/15 14:04	10/22/15 21:13	1
Benzo[k]fluoranthene	ND		5.6	0.82	ug/L		10/20/15 14:04	10/22/15 21:13	1
Biphenyl	ND		5.6	0.73	ug/L		10/20/15 14:04	10/22/15 21:13	1
bis (2-chloroisopropyl) ether	ND		5.6	0.58	ug/L		10/20/15 14:04	10/22/15 21:13	1
Bis(2-chloroethoxy)methane	ND		5.6	0.39	ug/L		10/20/15 14:04	10/22/15 21:13	1
Bis(2-chloroethyl)ether	ND		5.6	0.45	ug/L		10/20/15 14:04	10/22/15 21:13	1
Bis(2-ethylhexyl) phthalate	ND		5.6	2.0	ug/L		10/20/15 14:04	10/22/15 21:13	1
Butyl benzyl phthalate	ND		5.6	0.47	ug/L		10/20/15 14:04	10/22/15 21:13	1
Caprolactam	ND		5.6	2.5	ug/L		10/20/15 14:04	10/22/15 21:13	1
Carbazole	ND		5.6	0.34	ug/L		10/20/15 14:04	10/22/15 21:13	1
Chrysene	ND		5.6	0.37	ug/L		10/20/15 14:04	10/22/15 21:13	1
Dibenz(a,h)anthracene	ND		5.6	0.47	ug/L		10/20/15 14:04	10/22/15 21:13	1
Dibenzofuran	ND		11	0.57	ug/L		10/20/15 14:04	10/22/15 21:13	1
Diethyl phthalate	ND		5.6	0.25	ug/L		10/20/15 14:04	10/22/15 21:13	1
Dimethyl phthalate	ND		5.6	0.40	ug/L		10/20/15 14:04	10/22/15 21:13	1
Di-n-butyl phthalate	ND		5.6	0.35	ug/L		10/20/15 14:04	10/22/15 21:13	1
Di-n-octyl phthalate	ND		5.6	0.53	ug/L		10/20/15 14:04	10/22/15 21:13	1

Client Sample ID: CB-26-101615

Date Collected: 10/16/15 13:47
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.6	0.45	ug/L		10/20/15 14:04	10/22/15 21:13	1
Fluorene	ND		5.6	0.40	ug/L		10/20/15 14:04	10/22/15 21:13	1
Hexachlorobenzene	ND		5.6	0.57	ug/L		10/20/15 14:04	10/22/15 21:13	1
Hexachlorobutadiene	ND		5.6	0.76	ug/L		10/20/15 14:04	10/22/15 21:13	1
Hexachlorocyclopentadiene	ND		5.6	0.66	ug/L		10/20/15 14:04	10/22/15 21:13	1
Hexachloroethane	ND		5.6	0.66	ug/L		10/20/15 14:04	10/22/15 21:13	1
Indeno[1,2,3-cd]pyrene	ND		5.6	0.53	ug/L		10/20/15 14:04	10/22/15 21:13	1
Isophorone	ND		5.6	0.48	ug/L		10/20/15 14:04	10/22/15 21:13	1
Naphthalene	ND		5.6	0.85	ug/L		10/20/15 14:04	10/22/15 21:13	1
Nitrobenzene	ND		5.6	0.33	ug/L		10/20/15 14:04	10/22/15 21:13	1
N-Nitrosodi-n-propylamine	ND		5.6	0.61	ug/L		10/20/15 14:04	10/22/15 21:13	1
N-Nitrosodiphenylamine	ND		5.6	0.57	ug/L		10/20/15 14:04	10/22/15 21:13	1
Pentachlorophenol	ND		11	2.5	ug/L		10/20/15 14:04	10/22/15 21:13	1
Phenanthrene	ND		5.6	0.49	ug/L		10/20/15 14:04	10/22/15 21:13	1
Phenol	ND		5.6	0.44	ug/L		10/20/15 14:04	10/22/15 21:13	1
Pyrene	ND		5.6	0.38	ug/L		10/20/15 14:04	10/22/15 21:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*8.2*	*T J N*	*ug/L*		*3.55*	*110-82-7*	*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*73*	*T J*	*ug/L*		*3.76*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*22*	*T J*	*ug/L*		*5.45*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Benzene, 1,3-dimethyl-	*6.8*	*T J N*	*ug/L*		*5.76*	*108-38-3*	*10/20/15 14:04*	*10/22/15 21:13*	*1*
Decane	*3.9*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*10.74*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*11.31*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*21*	*T J*	*ug/L*		*11.72*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Octadecanoic acid	*11*	*T J N*	*ug/L*		*11.79*	*57-11-4*	*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*12.07*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*8.7*	*T J*	*ug/L*		*12.34*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*12.74*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*12.79*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*13.24*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*13*	*T J*	*ug/L*		*13.58*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*14*	*T J*	*ug/L*		*14.07*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*14.62*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*16*	*T J*	*ug/L*		*14.99*		*10/20/15 14:04*	*10/22/15 21:13*	*1*
Unknown	*16*	*T J*	*ug/L*		*16.57*		*10/20/15 14:04*	*10/22/15 21:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*52 - 132*	*10/20/15 14:04*	*10/22/15 21:13*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*10/20/15 14:04*	*10/22/15 21:13*	*1*
2-Fluorophenol (Surr)	*54*		*20 - 120*	*10/20/15 14:04*	*10/22/15 21:13*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 120*	*10/20/15 14:04*	*10/22/15 21:13*	*1*
Phenol-d5 (Surr)	*40*		*16 - 120*	*10/20/15 14:04*	*10/22/15 21:13*	*1*
p-Terphenyl-d14 (Surr)	*95*		*67 - 150*	*10/20/15 14:04*	*10/22/15 21:13*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.12**	**J**	0.20	0.060	mg/L		10/20/15 07:45	10/21/15 01:53	1
Antimony	ND		0.020	0.0068	mg/L		10/20/15 07:45	10/21/15 01:53	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-26-101615
Date Collected: 10/16/15 13:47
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 07:45	10/21/15 01:53	1
Barium	**0.14**		0.0020	0.00070	mg/L		10/20/15 07:45	10/21/15 01:53	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 07:45	10/21/15 01:53	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 07:45	10/21/15 01:53	1
Calcium	**201**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 01:53	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 07:45	10/21/15 01:53	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 07:45	10/21/15 01:53	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 07:45	10/21/15 01:53	1
Iron	ND		0.050	0.019	mg/L		10/20/15 07:45	10/21/15 01:53	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 07:45	10/21/15 01:53	1
Magnesium	ND		0.20	0.043	mg/L		10/20/15 07:45	10/21/15 01:53	1
Manganese	ND		0.0030	0.00040	mg/L		10/20/15 07:45	10/21/15 01:53	1
Nickel	ND		0.010	0.0013	mg/L		10/20/15 07:45	10/21/15 01:53	1
Potassium	**16.7**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 12:00	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 07:45	10/21/15 01:53	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 07:45	10/21/15 01:53	1
Sodium	**184**		1.0	0.32	mg/L		10/20/15 07:45	10/21/15 01:53	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 07:45	10/21/15 01:53	1
Vanadium	ND		0.0050	0.0015	mg/L		10/20/15 07:45	10/21/15 01:53	1
Zinc	**0.0030**	**J**	0.010	0.0015	mg/L		10/20/15 07:45	10/21/15 01:53	1

Client Sample ID: CB-26-F-101615
Date Collected: 10/16/15 13:47
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/20/15 14:04	10/22/15 21:42	1
2,4,6-Trichlorophenol	ND		5.3	0.65	ug/L		10/20/15 14:04	10/22/15 21:42	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/20/15 14:04	10/22/15 21:42	1
2,4-Dimethylphenol	**0.81**	**J**	5.3	0.53	ug/L		10/20/15 14:04	10/22/15 21:42	1
2,4-Dinitrophenol	ND		11	2.3	ug/L		10/20/15 14:04	10/22/15 21:42	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		10/20/15 14:04	10/22/15 21:42	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		10/20/15 14:04	10/22/15 21:42	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		10/20/15 14:04	10/22/15 21:42	1
2-Chlorophenol	ND		5.3	0.56	ug/L		10/20/15 14:04	10/22/15 21:42	1
2-Methylnaphthalene	ND		5.3	0.63	ug/L		10/20/15 14:04	10/22/15 21:42	1
2-Methylphenol	ND		5.3	0.42	ug/L		10/20/15 14:04	10/22/15 21:42	1
2-Nitroaniline	ND		11	0.44	ug/L		10/20/15 14:04	10/22/15 21:42	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/20/15 14:04	10/22/15 21:42	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		10/20/15 14:04	10/22/15 21:42	1
3-Nitroaniline	ND		11	0.51	ug/L		10/20/15 14:04	10/22/15 21:42	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		10/20/15 14:04	10/22/15 21:42	1
4-Bromophenyl phenyl ether	ND		5.3	0.48	ug/L		10/20/15 14:04	10/22/15 21:42	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		10/20/15 14:04	10/22/15 21:42	1
4-Chloroaniline	ND		5.3	0.62	ug/L		10/20/15 14:04	10/22/15 21:42	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/20/15 14:04	10/22/15 21:42	1
4-Methylphenol	**0.43**	**J**	11	0.38	ug/L		10/20/15 14:04	10/22/15 21:42	1
4-Nitroaniline	ND		11	0.26	ug/L		10/20/15 14:04	10/22/15 21:42	1
4-Nitrophenol	ND		11	1.6	ug/L		10/20/15 14:04	10/22/15 21:42	1
Acenaphthene	ND		5.3	0.43	ug/L		10/20/15 14:04	10/22/15 21:42	1
Acenaphthylene	ND		5.3	0.40	ug/L		10/20/15 14:04	10/22/15 21:42	1
Acetophenone	ND		5.3	0.57	ug/L		10/20/15 14:04	10/22/15 21:42	1
Anthracene	ND		5.3	0.30	ug/L		10/20/15 14:04	10/22/15 21:42	1
Atrazine	ND		5.3	0.49	ug/L		10/20/15 14:04	10/22/15 21:42	1
Benzaldehyde	ND		5.3	0.28	ug/L		10/20/15 14:04	10/22/15 21:42	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/20/15 14:04	10/22/15 21:42	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/20/15 14:04	10/22/15 21:42	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/20/15 14:04	10/22/15 21:42	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/20/15 14:04	10/22/15 21:42	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		10/20/15 14:04	10/22/15 21:42	1
Biphenyl	ND		5.3	0.69	ug/L		10/20/15 14:04	10/22/15 21:42	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		10/20/15 14:04	10/22/15 21:42	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/20/15 14:04	10/22/15 21:42	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		10/20/15 14:04	10/22/15 21:42	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/20/15 14:04	10/22/15 21:42	1
Butyl benzyl phthalate	ND		5.3	0.44	ug/L		10/20/15 14:04	10/22/15 21:42	1
Caprolactam	ND		5.3	2.3	ug/L		10/20/15 14:04	10/22/15 21:42	1
Carbazole	ND		5.3	0.32	ug/L		10/20/15 14:04	10/22/15 21:42	1
Chrysene	ND		5.3	0.35	ug/L		10/20/15 14:04	10/22/15 21:42	1
Dibenz(a,h)anthracene	ND		5.3	0.44	ug/L		10/20/15 14:04	10/22/15 21:42	1
Dibenzofuran	ND		11	0.54	ug/L		10/20/15 14:04	10/22/15 21:42	1
Diethyl phthalate	ND		5.3	0.23	ug/L		10/20/15 14:04	10/22/15 21:42	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		10/20/15 14:04	10/22/15 21:42	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		10/20/15 14:04	10/22/15 21:42	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		10/20/15 14:04	10/22/15 21:42	1

Client Sample ID: CB-26-F-101615

Date Collected: 10/16/15 13:47
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.42	ug/L		10/20/15 14:04	10/22/15 21:42	1
Fluorene	ND		5.3	0.38	ug/L		10/20/15 14:04	10/22/15 21:42	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/20/15 14:04	10/22/15 21:42	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		10/20/15 14:04	10/22/15 21:42	1
Hexachlorocyclopentadiene	ND		5.3	0.62	ug/L		10/20/15 14:04	10/22/15 21:42	1
Hexachloroethane	ND		5.3	0.62	ug/L		10/20/15 14:04	10/22/15 21:42	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/20/15 14:04	10/22/15 21:42	1
Isophorone	ND		5.3	0.45	ug/L		10/20/15 14:04	10/22/15 21:42	1
Naphthalene	ND		5.3	0.80	ug/L		10/20/15 14:04	10/22/15 21:42	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/20/15 14:04	10/22/15 21:42	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		10/20/15 14:04	10/22/15 21:42	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/20/15 14:04	10/22/15 21:42	1
Pentachlorophenol	ND		11	2.3	ug/L		10/20/15 14:04	10/22/15 21:42	1
Phenanthrene	ND		5.3	0.47	ug/L		10/20/15 14:04	10/22/15 21:42	1
Phenol	ND		5.3	0.41	ug/L		10/20/15 14:04	10/22/15 21:42	1
Pyrene	ND		5.3	0.36	ug/L		10/20/15 14:04	10/22/15 21:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*9.2*	*T J N*	*ug/L*		*3.55*	*110-82-7*	*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*76*	*T J*	*ug/L*		*3.75*		*10/20/15 14:04*	*10/22/15 21:42*	*1*
Formamide, N,N-dimethyl-	*3.2*	*T J N*	*ug/L*		*4.84*	*68-12-2*	*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*7.3*	*T J*	*ug/L*		*5.44*		*10/20/15 14:04*	*10/22/15 21:42*	*1*
Decane	*4.0*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/20/15 14:04*	*10/22/15 21:42*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*6.8*	*T J N*	*ug/L*		*9.35*	*96-76-4*	*10/20/15 14:04*	*10/22/15 21:42*	*1*
n-Hexadecanoic acid	*6.7*	*T J N*	*ug/L*		*11.04*	*57-10-3*	*10/20/15 14:04*	*10/22/15 21:42*	*1*
Diphenyl sulfone	*3.8*	*T J N*	*ug/L*		*11.15*	*127-63-9*	*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*11.31*		*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*23*	*T J*	*ug/L*		*11.71*		*10/20/15 14:04*	*10/22/15 21:42*	*1*
Octadecanoic acid	*4.4*	*T J N*	*ug/L*		*11.78*	*57-11-4*	*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*8.3*	*T J*	*ug/L*		*12.34*		*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*6.3*	*T J*	*ug/L*		*12.78*		*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*13.24*		*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*14*	*T J*	*ug/L*		*13.57*		*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*16*	*T J*	*ug/L*		*14.07*		*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*14.62*		*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*12*	*T J*	*ug/L*		*14.99*		*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*16.15*		*10/20/15 14:04*	*10/22/15 21:42*	*1*
Unknown	*18*	*T J*	*ug/L*		*16.57*		*10/20/15 14:04*	*10/22/15 21:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*52 - 132*	*10/20/15 14:04*	*10/22/15 21:42*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*10/20/15 14:04*	*10/22/15 21:42*	*1*
2-Fluorophenol (Surr)	*58*		*20 - 120*	*10/20/15 14:04*	*10/22/15 21:42*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 120*	*10/20/15 14:04*	*10/22/15 21:42*	*1*
Phenol-d5 (Surr)	*41*		*16 - 120*	*10/20/15 14:04*	*10/22/15 21:42*	*1*
p-Terphenyl-d14 (Surr)	*94*		*67 - 150*	*10/20/15 14:04*	*10/22/15 21:42*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.078**	**J**	0.20	0.060	mg/L		10/20/15 07:45	10/21/15 01:57	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-26-F-101615
Date Collected: 10/16/15 13:47
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/20/15 07:45	10/21/15 01:57	1
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 07:45	10/21/15 01:57	1
Barium	**0.14**		0.0020	0.00070	mg/L		10/20/15 07:45	10/21/15 01:57	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 07:45	10/21/15 01:57	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 07:45	10/21/15 01:57	1
Calcium	**203**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 01:57	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 07:45	10/21/15 01:57	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 07:45	10/21/15 01:57	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 07:45	10/21/15 01:57	1
Iron	ND		0.050	0.019	mg/L		10/20/15 07:45	10/21/15 01:57	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 07:45	10/21/15 01:57	1
Magnesium	ND		0.20	0.043	mg/L		10/20/15 07:45	10/21/15 01:57	1
Manganese	ND		0.0030	0.00040	mg/L		10/20/15 07:45	10/21/15 01:57	1
Nickel	ND		0.010	0.0013	mg/L		10/20/15 07:45	10/21/15 01:57	1
Potassium	**16.6**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 12:13	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 07:45	10/21/15 01:57	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 07:45	10/21/15 01:57	1
Sodium	**184**		1.0	0.32	mg/L		10/20/15 07:45	10/21/15 01:57	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 07:45	10/21/15 01:57	1
Vanadium	ND		0.0050	0.0015	mg/L		10/20/15 07:45	10/21/15 01:57	1
Zinc	ND		0.010	0.0015	mg/L		10/20/15 07:45	10/21/15 01:57	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-27-101615
Date Collected: 10/16/15 12:20
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.8	0.56	ug/L		10/20/15 14:04	10/22/15 22:10	1
2,4,6-Trichlorophenol	ND		5.8	0.71	ug/L		10/20/15 14:04	10/22/15 22:10	1
2,4-Dichlorophenol	ND		5.8	0.59	ug/L		10/20/15 14:04	10/22/15 22:10	1
2,4-Dimethylphenol	**0.67**	**J**	5.8	0.58	ug/L		10/20/15 14:04	10/22/15 22:10	1
2,4-Dinitrophenol	ND		12	2.6	ug/L		10/20/15 14:04	10/22/15 22:10	1
2,4-Dinitrotoluene	ND		5.8	0.52	ug/L		10/20/15 14:04	10/22/15 22:10	1
2,6-Dinitrotoluene	ND		5.8	0.46	ug/L		10/20/15 14:04	10/22/15 22:10	1
2-Chloronaphthalene	ND		5.8	0.53	ug/L		10/20/15 14:04	10/22/15 22:10	1
2-Chlorophenol	ND		5.8	0.62	ug/L		10/20/15 14:04	10/22/15 22:10	1
2-Methylnaphthalene	ND		5.8	0.70	ug/L		10/20/15 14:04	10/22/15 22:10	1
2-Methylphenol	ND		5.8	0.46	ug/L		10/20/15 14:04	10/22/15 22:10	1
2-Nitroaniline	ND		12	0.49	ug/L		10/20/15 14:04	10/22/15 22:10	1
2-Nitrophenol	ND		5.8	0.56	ug/L		10/20/15 14:04	10/22/15 22:10	1
3,3'-Dichlorobenzidine	ND		5.8	0.46	ug/L		10/20/15 14:04	10/22/15 22:10	1
3-Nitroaniline	ND		12	0.56	ug/L		10/20/15 14:04	10/22/15 22:10	1
4,6-Dinitro-2-methylphenol	ND		12	2.6	ug/L		10/20/15 14:04	10/22/15 22:10	1
4-Bromophenyl phenyl ether	ND		5.8	0.52	ug/L		10/20/15 14:04	10/22/15 22:10	1
4-Chloro-3-methylphenol	ND		5.8	0.52	ug/L		10/20/15 14:04	10/22/15 22:10	1
4-Chloroaniline	ND		5.8	0.69	ug/L		10/20/15 14:04	10/22/15 22:10	1
4-Chlorophenyl phenyl ether	ND		5.8	0.41	ug/L		10/20/15 14:04	10/22/15 22:10	1
4-Methylphenol	**0.61**	**J**	12	0.42	ug/L		10/20/15 14:04	10/22/15 22:10	1
4-Nitroaniline	ND		12	0.29	ug/L		10/20/15 14:04	10/22/15 22:10	1
4-Nitrophenol	ND		12	1.8	ug/L		10/20/15 14:04	10/22/15 22:10	1
Acenaphthene	ND		5.8	0.48	ug/L		10/20/15 14:04	10/22/15 22:10	1
Acenaphthylene	ND		5.8	0.44	ug/L		10/20/15 14:04	10/22/15 22:10	1
Acetophenone	ND		5.8	0.63	ug/L		10/20/15 14:04	10/22/15 22:10	1
Anthracene	ND		5.8	0.33	ug/L		10/20/15 14:04	10/22/15 22:10	1
Atrazine	ND		5.8	0.53	ug/L		10/20/15 14:04	10/22/15 22:10	1
Benzaldehyde	**0.52**	**J B**	5.8	0.31	ug/L		10/20/15 14:04	10/22/15 22:10	1
Benzo[a]anthracene	ND		5.8	0.42	ug/L		10/20/15 14:04	10/22/15 22:10	1
Benzo[a]pyrene	ND		5.8	0.55	ug/L		10/20/15 14:04	10/22/15 22:10	1
Benzo[b]fluoranthene	ND		5.8	0.40	ug/L		10/20/15 14:04	10/22/15 22:10	1
Benzo[g,h,i]perylene	ND		5.8	0.41	ug/L		10/20/15 14:04	10/22/15 22:10	1
Benzo[k]fluoranthene	ND		5.8	0.85	ug/L		10/20/15 14:04	10/22/15 22:10	1
Biphenyl	ND		5.8	0.76	ug/L		10/20/15 14:04	10/22/15 22:10	1
bis (2-chloroisopropyl) ether	ND		5.8	0.60	ug/L		10/20/15 14:04	10/22/15 22:10	1
Bis(2-chloroethoxy)methane	ND		5.8	0.41	ug/L		10/20/15 14:04	10/22/15 22:10	1
Bis(2-chloroethyl)ether	ND		5.8	0.46	ug/L		10/20/15 14:04	10/22/15 22:10	1
Bis(2-ethylhexyl) phthalate	ND		5.8	2.1	ug/L		10/20/15 14:04	10/22/15 22:10	1
Butyl benzyl phthalate	ND		5.8	0.49	ug/L		10/20/15 14:04	10/22/15 22:10	1
Caprolactam	ND		5.8	2.6	ug/L		10/20/15 14:04	10/22/15 22:10	1
Carbazole	ND		5.8	0.35	ug/L		10/20/15 14:04	10/22/15 22:10	1
Chrysene	ND		5.8	0.38	ug/L		10/20/15 14:04	10/22/15 22:10	1
Dibenz(a,h)anthracene	ND		5.8	0.49	ug/L		10/20/15 14:04	10/22/15 22:10	1
Dibenzofuran	ND		12	0.59	ug/L		10/20/15 14:04	10/22/15 22:10	1
Diethyl phthalate	ND		5.8	0.26	ug/L		10/20/15 14:04	10/22/15 22:10	1
Dimethyl phthalate	ND		5.8	0.42	ug/L		10/20/15 14:04	10/22/15 22:10	1
Di-n-butyl phthalate	ND		5.8	0.36	ug/L		10/20/15 14:04	10/22/15 22:10	1
Di-n-octyl phthalate	ND		5.8	0.55	ug/L		10/20/15 14:04	10/22/15 22:10	1

Client Sample ID: CB-27-101615

Date Collected: 10/16/15 12:20
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.8	0.46	ug/L		10/20/15 14:04	10/22/15 22:10	1
Fluorene	ND		5.8	0.42	ug/L		10/20/15 14:04	10/22/15 22:10	1
Hexachlorobenzene	ND		5.8	0.59	ug/L		10/20/15 14:04	10/22/15 22:10	1
Hexachlorobutadiene	ND		5.8	0.79	ug/L		10/20/15 14:04	10/22/15 22:10	1
Hexachlorocyclopentadiene	ND		5.8	0.69	ug/L		10/20/15 14:04	10/22/15 22:10	1
Hexachloroethane	ND		5.8	0.69	ug/L		10/20/15 14:04	10/22/15 22:10	1
Indeno[1,2,3-cd]pyrene	ND		5.8	0.55	ug/L		10/20/15 14:04	10/22/15 22:10	1
Isophorone	ND		5.8	0.50	ug/L		10/20/15 14:04	10/22/15 22:10	1
Naphthalene	ND		5.8	0.88	ug/L		10/20/15 14:04	10/22/15 22:10	1
Nitrobenzene	ND		5.8	0.34	ug/L		10/20/15 14:04	10/22/15 22:10	1
N-Nitrosodi-n-propylamine	ND		5.8	0.63	ug/L		10/20/15 14:04	10/22/15 22:10	1
N-Nitrosodiphenylamine	ND		5.8	0.59	ug/L		10/20/15 14:04	10/22/15 22:10	1
Pentachlorophenol	ND		12	2.6	ug/L		10/20/15 14:04	10/22/15 22:10	1
Phenanthrene	ND		5.8	0.51	ug/L		10/20/15 14:04	10/22/15 22:10	1
Phenol	**1.0**	**J**	5.8	0.45	ug/L		10/20/15 14:04	10/22/15 22:10	1
Pyrene	ND		5.8	0.40	ug/L		10/20/15 14:04	10/22/15 22:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*11*	*T J N*	*ug/L*		*3.53*	*110-82-7*	*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*76*	*T J*	*ug/L*		*3.76*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*27*	*T J*	*ug/L*		*5.45*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Benzene, 1,3-dimethyl-	*7.1*	*T J N*	*ug/L*		*5.76*	*108-38-3*	*10/20/15 14:04*	*10/22/15 22:10*	*1*
Decane	*4.2*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*6.6*	*T J*	*ug/L*		*10.74*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*11.31*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*18*	*T J*	*ug/L*		*11.71*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*7.9*	*T J*	*ug/L*		*12.34*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*12.74*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*5.4*	*T J*	*ug/L*		*12.79*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*13.24*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*11*	*T J*	*ug/L*		*13.57*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*4.1*	*T J*	*ug/L*		*14.03*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*14.62*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*14.96*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*12*	*T J*	*ug/L*		*14.99*		*10/20/15 14:04*	*10/22/15 22:10*	*1*
Unknown	*4.1*	*T J*	*ug/L*		*16.54*		*10/20/15 14:04*	*10/22/15 22:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*52 - 132*	*10/20/15 14:04*	*10/22/15 22:10*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*10/20/15 14:04*	*10/22/15 22:10*	*1*
2-Fluorophenol (Surr)	*55*		*20 - 120*	*10/20/15 14:04*	*10/22/15 22:10*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 120*	*10/20/15 14:04*	*10/22/15 22:10*	*1*
Phenol-d5 (Surr)	*41*		*16 - 120*	*10/20/15 14:04*	*10/22/15 22:10*	*1*
p-Terphenyl-d14 (Surr)	*97*		*67 - 150*	*10/20/15 14:04*	*10/22/15 22:10*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.17**	**J**	0.20	0.060	mg/L		10/20/15 07:45	10/21/15 02:00	1
Antimony	ND		0.020	0.0068	mg/L		10/20/15 07:45	10/21/15 02:00	1
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 07:45	10/21/15 02:00	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-27-101615
Date Collected: 10/16/15 12:20
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-6
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.12**		0.0020	0.00070	mg/L		10/20/15 07:45	10/21/15 02:00	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 07:45	10/21/15 02:00	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 07:45	10/21/15 02:00	1
Calcium	**180**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 02:00	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 07:45	10/21/15 02:00	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 07:45	10/21/15 02:00	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 07:45	10/21/15 02:00	1
Iron	**0.036**	**J**	0.050	0.019	mg/L		10/20/15 07:45	10/21/15 02:00	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 07:45	10/21/15 02:00	1
Magnesium	**0.043**	**J**	0.20	0.043	mg/L		10/20/15 07:45	10/21/15 02:00	1
Manganese	**0.0028**	**J**	0.0030	0.00040	mg/L		10/20/15 07:45	10/21/15 02:00	1
Nickel	ND		0.010	0.0013	mg/L		10/20/15 07:45	10/21/15 02:00	1
Potassium	**15.0**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 12:16	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 07:45	10/21/15 02:00	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 07:45	10/21/15 02:00	1
Sodium	**177**		1.0	0.32	mg/L		10/20/15 07:45	10/21/15 02:00	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 07:45	10/21/15 02:00	1
Vanadium	ND		0.0050	0.0015	mg/L		10/20/15 07:45	10/21/15 02:00	1
Zinc	**0.0035**	**J**	0.010	0.0015	mg/L		10/20/15 07:45	10/21/15 02:00	1

Client Sample ID: CB-27-F-101615
Date Collected: 10/16/15 12:23
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/20/15 14:04	10/22/15 22:39	1
2,4,6-Trichlorophenol	ND		5.1	0.63	ug/L		10/20/15 14:04	10/22/15 22:39	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/20/15 14:04	10/22/15 22:39	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/20/15 14:04	10/22/15 22:39	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/20/15 14:04	10/22/15 22:39	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/20/15 14:04	10/22/15 22:39	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/20/15 14:04	10/22/15 22:39	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/20/15 14:04	10/22/15 22:39	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/20/15 14:04	10/22/15 22:39	1
2-Methylnaphthalene	ND		5.1	0.62	ug/L		10/20/15 14:04	10/22/15 22:39	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/20/15 14:04	10/22/15 22:39	1
2-Nitroaniline	ND		10	0.43	ug/L		10/20/15 14:04	10/22/15 22:39	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/20/15 14:04	10/22/15 22:39	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/20/15 14:04	10/22/15 22:39	1
3-Nitroaniline	ND		10	0.49	ug/L		10/20/15 14:04	10/22/15 22:39	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/20/15 14:04	10/22/15 22:39	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/20/15 14:04	10/22/15 22:39	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/20/15 14:04	10/22/15 22:39	1
4-Chloroaniline	ND		5.1	0.61	ug/L		10/20/15 14:04	10/22/15 22:39	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/20/15 14:04	10/22/15 22:39	1
4-Methylphenol	**0.62**	**J**	10	0.37	ug/L		10/20/15 14:04	10/22/15 22:39	1
4-Nitroaniline	ND		10	0.26	ug/L		10/20/15 14:04	10/22/15 22:39	1
4-Nitrophenol	ND		10	1.6	ug/L		10/20/15 14:04	10/22/15 22:39	1
Acenaphthene	ND		5.1	0.42	ug/L		10/20/15 14:04	10/22/15 22:39	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/20/15 14:04	10/22/15 22:39	1
Acetophenone	ND		5.1	0.55	ug/L		10/20/15 14:04	10/22/15 22:39	1
Anthracene	ND		5.1	0.29	ug/L		10/20/15 14:04	10/22/15 22:39	1
Atrazine	ND		5.1	0.47	ug/L		10/20/15 14:04	10/22/15 22:39	1
Benzaldehyde	**0.61**	**J B**	5.1	0.27	ug/L		10/20/15 14:04	10/22/15 22:39	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/20/15 14:04	10/22/15 22:39	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/20/15 14:04	10/22/15 22:39	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/20/15 14:04	10/22/15 22:39	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/20/15 14:04	10/22/15 22:39	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/20/15 14:04	10/22/15 22:39	1
Biphenyl	ND		5.1	0.67	ug/L		10/20/15 14:04	10/22/15 22:39	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/20/15 14:04	10/22/15 22:39	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/20/15 14:04	10/22/15 22:39	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/20/15 14:04	10/22/15 22:39	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/20/15 14:04	10/22/15 22:39	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		10/20/15 14:04	10/22/15 22:39	1
Caprolactam	ND		5.1	2.3	ug/L		10/20/15 14:04	10/22/15 22:39	1
Carbazole	ND		5.1	0.31	ug/L		10/20/15 14:04	10/22/15 22:39	1
Chrysene	ND		5.1	0.34	ug/L		10/20/15 14:04	10/22/15 22:39	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/20/15 14:04	10/22/15 22:39	1
Dibenzofuran	ND		10	0.52	ug/L		10/20/15 14:04	10/22/15 22:39	1
Diethyl phthalate	ND		5.1	0.23	ug/L		10/20/15 14:04	10/22/15 22:39	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/20/15 14:04	10/22/15 22:39	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/20/15 14:04	10/22/15 22:39	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/20/15 14:04	10/22/15 22:39	1

Client Sample ID: CB-27-F-101615

Date Collected: 10/16/15 12:23
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-7

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/20/15 14:04	10/22/15 22:39	1
Fluorene	ND		5.1	0.37	ug/L		10/20/15 14:04	10/22/15 22:39	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/20/15 14:04	10/22/15 22:39	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/20/15 14:04	10/22/15 22:39	1
Hexachlorocyclopentadiene	ND		5.1	0.61	ug/L		10/20/15 14:04	10/22/15 22:39	1
Hexachloroethane	ND		5.1	0.61	ug/L		10/20/15 14:04	10/22/15 22:39	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/20/15 14:04	10/22/15 22:39	1
Isophorone	ND		5.1	0.44	ug/L		10/20/15 14:04	10/22/15 22:39	1
Naphthalene	ND		5.1	0.78	ug/L		10/20/15 14:04	10/22/15 22:39	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/20/15 14:04	10/22/15 22:39	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/20/15 14:04	10/22/15 22:39	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/20/15 14:04	10/22/15 22:39	1
Pentachlorophenol	ND		10	2.3	ug/L		10/20/15 14:04	10/22/15 22:39	1
Phenanthrene	ND		5.1	0.45	ug/L		10/20/15 14:04	10/22/15 22:39	1
Phenol	**0.95**	**J**	5.1	0.40	ug/L		10/20/15 14:04	10/22/15 22:39	1
Pyrene	ND		5.1	0.35	ug/L		10/20/15 14:04	10/22/15 22:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*10*	*T J N*	*ug/L*		*3.55*	*110-82-7*	*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*79*	*T J*	*ug/L*		*3.75*		*10/20/15 14:04*	*10/22/15 22:39*	*1*
2-Butanamine, (.+/-.)-	*2.8*	*T J N*	*ug/L*		*4.84*	*33966-50-6*	*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*16*	*T J*	*ug/L*		*5.45*		*10/20/15 14:04*	*10/22/15 22:39*	*1*
p-Xylene	*19*	*T J N*	*ug/L*		*5.76*	*106-42-3*	*10/20/15 14:04*	*10/22/15 22:39*	*1*
Decane	*4.0*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/20/15 14:04*	*10/22/15 22:39*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*5.8*	*T J N*	*ug/L*		*9.36*	*96-76-4*	*10/20/15 14:04*	*10/22/15 22:39*	*1*
Diphenyl sulfone	*2.7*	*T J N*	*ug/L*		*11.15*	*127-63-9*	*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*11.31*		*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*23*	*T J*	*ug/L*		*11.71*		*10/20/15 14:04*	*10/22/15 22:39*	*1*
Octadecanoic acid	*7.1*	*T J N*	*ug/L*		*11.78*	*57-11-4*	*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*8.4*	*T J*	*ug/L*		*12.34*		*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*6.5*	*T J*	*ug/L*		*12.79*		*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*13.24*		*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*14*	*T J*	*ug/L*		*13.57*		*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*14.62*		*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*4.7*	*T J*	*ug/L*		*14.96*		*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*11*	*T J*	*ug/L*		*14.99*		*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*16.14*		*10/20/15 14:04*	*10/22/15 22:39*	*1*
Unknown	*7.9*	*T J*	*ug/L*		*16.54*		*10/20/15 14:04*	*10/22/15 22:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*52 - 132*	*10/20/15 14:04*	*10/22/15 22:39*	*1*
2-Fluorobiphenyl	*91*		*48 - 120*	*10/20/15 14:04*	*10/22/15 22:39*	*1*
2-Fluorophenol (Surr)	*58*		*20 - 120*	*10/20/15 14:04*	*10/22/15 22:39*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 120*	*10/20/15 14:04*	*10/22/15 22:39*	*1*
Phenol-d5 (Surr)	*42*		*16 - 120*	*10/20/15 14:04*	*10/22/15 22:39*	*1*
p-Terphenyl-d14 (Surr)	*91*		*67 - 150*	*10/20/15 14:04*	*10/22/15 22:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.13**	**J**	0.20	0.060	mg/L		10/20/15 07:45	10/21/15 02:03	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-27-F-101615
Date Collected: 10/16/15 12:23
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-7
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/20/15 07:45	10/21/15 02:03	1
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 07:45	10/21/15 02:03	1
Barium	**0.12**		0.0020	0.00070	mg/L		10/20/15 07:45	10/21/15 02:03	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 07:45	10/21/15 02:03	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 07:45	10/21/15 02:03	1
Calcium	**182**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 02:03	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 07:45	10/21/15 02:03	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 07:45	10/21/15 02:03	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 07:45	10/21/15 02:03	1
Iron	ND		0.050	0.019	mg/L		10/20/15 07:45	10/21/15 02:03	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 07:45	10/21/15 02:03	1
Magnesium	ND		0.20	0.043	mg/L		10/20/15 07:45	10/21/15 02:03	1
Manganese	**0.00057**	**J**	0.0030	0.00040	mg/L		10/20/15 07:45	10/21/15 02:03	1
Nickel	ND		0.010	0.0013	mg/L		10/20/15 07:45	10/21/15 02:03	1
Potassium	**15.1**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 12:19	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 07:45	10/21/15 02:03	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 07:45	10/21/15 02:03	1
Sodium	**176**		1.0	0.32	mg/L		10/20/15 07:45	10/21/15 02:03	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 07:45	10/21/15 02:03	1
Vanadium	ND		0.0050	0.0015	mg/L		10/20/15 07:45	10/21/15 02:03	1
Zinc	ND		0.010	0.0015	mg/L		10/20/15 07:45	10/21/15 02:03	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-28-101615
Date Collected: 10/16/15 13:23
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.4	0.52	ug/L		10/20/15 14:04	10/22/15 23:08	1
2,4,6-Trichlorophenol	ND		5.4	0.65	ug/L		10/20/15 14:04	10/22/15 23:08	1
2,4-Dichlorophenol	ND		5.4	0.55	ug/L		10/20/15 14:04	10/22/15 23:08	1
2,4-Dimethylphenol	ND		5.4	0.54	ug/L		10/20/15 14:04	10/22/15 23:08	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/20/15 14:04	10/22/15 23:08	1
2,4-Dinitrotoluene	ND		5.4	0.48	ug/L		10/20/15 14:04	10/22/15 23:08	1
2,6-Dinitrotoluene	ND		5.4	0.43	ug/L		10/20/15 14:04	10/22/15 23:08	1
2-Chloronaphthalene	ND		5.4	0.49	ug/L		10/20/15 14:04	10/22/15 23:08	1
2-Chlorophenol	ND		5.4	0.57	ug/L		10/20/15 14:04	10/22/15 23:08	1
2-Methylnaphthalene	ND		5.4	0.64	ug/L		10/20/15 14:04	10/22/15 23:08	1
2-Methylphenol	ND		5.4	0.43	ug/L		10/20/15 14:04	10/22/15 23:08	1
2-Nitroaniline	ND		11	0.45	ug/L		10/20/15 14:04	10/22/15 23:08	1
2-Nitrophenol	ND		5.4	0.52	ug/L		10/20/15 14:04	10/22/15 23:08	1
3,3'-Dichlorobenzidine	ND		5.4	0.43	ug/L		10/20/15 14:04	10/22/15 23:08	1
3-Nitroaniline	ND		11	0.52	ug/L		10/20/15 14:04	10/22/15 23:08	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/20/15 14:04	10/22/15 23:08	1
4-Bromophenyl phenyl ether	ND		5.4	0.48	ug/L		10/20/15 14:04	10/22/15 23:08	1
4-Chloro-3-methylphenol	ND		5.4	0.48	ug/L		10/20/15 14:04	10/22/15 23:08	1
4-Chloroaniline	ND		5.4	0.63	ug/L		10/20/15 14:04	10/22/15 23:08	1
4-Chlorophenyl phenyl ether	ND		5.4	0.38	ug/L		10/20/15 14:04	10/22/15 23:08	1
4-Methylphenol	ND		11	0.39	ug/L		10/20/15 14:04	10/22/15 23:08	1
4-Nitroaniline	ND		11	0.27	ug/L		10/20/15 14:04	10/22/15 23:08	1
4-Nitrophenol	ND		11	1.6	ug/L		10/20/15 14:04	10/22/15 23:08	1
Acenaphthene	ND		5.4	0.44	ug/L		10/20/15 14:04	10/22/15 23:08	1
Acenaphthylene	ND		5.4	0.41	ug/L		10/20/15 14:04	10/22/15 23:08	1
Acetophenone	ND		5.4	0.58	ug/L		10/20/15 14:04	10/22/15 23:08	1
Anthracene	ND		5.4	0.30	ug/L		10/20/15 14:04	10/22/15 23:08	1
Atrazine	ND		5.4	0.49	ug/L		10/20/15 14:04	10/22/15 23:08	1
Benzaldehyde	ND		5.4	0.29	ug/L		10/20/15 14:04	10/22/15 23:08	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		10/20/15 14:04	10/22/15 23:08	1
Benzo[a]pyrene	ND		5.4	0.50	ug/L		10/20/15 14:04	10/22/15 23:08	1
Benzo[b]fluoranthene	ND		5.4	0.36	ug/L		10/20/15 14:04	10/22/15 23:08	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		10/20/15 14:04	10/22/15 23:08	1
Benzo[k]fluoranthene	ND		5.4	0.78	ug/L		10/20/15 14:04	10/22/15 23:08	1
Biphenyl	ND		5.4	0.70	ug/L		10/20/15 14:04	10/22/15 23:08	1
bis (2-chloroisopropyl) ether	ND		5.4	0.56	ug/L		10/20/15 14:04	10/22/15 23:08	1
Bis(2-chloroethoxy)methane	ND		5.4	0.38	ug/L		10/20/15 14:04	10/22/15 23:08	1
Bis(2-chloroethyl)ether	ND		5.4	0.43	ug/L		10/20/15 14:04	10/22/15 23:08	1
Bis(2-ethylhexyl) phthalate	ND		5.4	1.9	ug/L		10/20/15 14:04	10/22/15 23:08	1
Butyl benzyl phthalate	ND		5.4	0.45	ug/L		10/20/15 14:04	10/22/15 23:08	1
Caprolactam	ND		5.4	2.4	ug/L		10/20/15 14:04	10/22/15 23:08	1
Carbazole	ND		5.4	0.32	ug/L		10/20/15 14:04	10/22/15 23:08	1
Chrysene	ND		5.4	0.35	ug/L		10/20/15 14:04	10/22/15 23:08	1
Dibenz(a,h)anthracene	ND		5.4	0.45	ug/L		10/20/15 14:04	10/22/15 23:08	1
Dibenzofuran	ND		11	0.55	ug/L		10/20/15 14:04	10/22/15 23:08	1
Diethyl phthalate	ND		5.4	0.24	ug/L		10/20/15 14:04	10/22/15 23:08	1
Dimethyl phthalate	ND		5.4	0.39	ug/L		10/20/15 14:04	10/22/15 23:08	1
Di-n-butyl phthalate	ND		5.4	0.33	ug/L		10/20/15 14:04	10/22/15 23:08	1
Di-n-octyl phthalate	ND		5.4	0.50	ug/L		10/20/15 14:04	10/22/15 23:08	1

Client Sample ID: CB-28-101615

Date Collected: 10/16/15 13:23
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-8

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.4	0.43	ug/L		10/20/15 14:04	10/22/15 23:08	1
Fluorene	ND		5.4	0.39	ug/L		10/20/15 14:04	10/22/15 23:08	1
Hexachlorobenzene	ND		5.4	0.55	ug/L		10/20/15 14:04	10/22/15 23:08	1
Hexachlorobutadiene	ND		5.4	0.73	ug/L		10/20/15 14:04	10/22/15 23:08	1
Hexachlorocyclopentadiene	ND		5.4	0.63	ug/L		10/20/15 14:04	10/22/15 23:08	1
Hexachloroethane	ND		5.4	0.63	ug/L		10/20/15 14:04	10/22/15 23:08	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.50	ug/L		10/20/15 14:04	10/22/15 23:08	1
Isophorone	ND		5.4	0.46	ug/L		10/20/15 14:04	10/22/15 23:08	1
Naphthalene	ND		5.4	0.82	ug/L		10/20/15 14:04	10/22/15 23:08	1
Nitrobenzene	ND		5.4	0.31	ug/L		10/20/15 14:04	10/22/15 23:08	1
N-Nitrosodi-n-propylamine	ND		5.4	0.58	ug/L		10/20/15 14:04	10/22/15 23:08	1
N-Nitrosodiphenylamine	ND		5.4	0.55	ug/L		10/20/15 14:04	10/22/15 23:08	1
Pentachlorophenol	ND		11	2.4	ug/L		10/20/15 14:04	10/22/15 23:08	1
Phenanthrene	ND		5.4	0.47	ug/L		10/20/15 14:04	10/22/15 23:08	1
Phenol	ND		5.4	0.42	ug/L		10/20/15 14:04	10/22/15 23:08	1
Pyrene	ND		5.4	0.36	ug/L		10/20/15 14:04	10/22/15 23:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*31*	*T J N*	*ug/L*		*3.57*	*110-82-7*	*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*78*	*T J*	*ug/L*		*3.74*		*10/20/15 14:04*	*10/22/15 23:08*	*1*
p-Xylene	*21*	*T J N*	*ug/L*		*5.76*	*106-42-3*	*10/20/15 14:04*	*10/22/15 23:08*	*1*
Decane	*4.0*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/20/15 14:04*	*10/22/15 23:08*	*1*
n-Hexadecanoic acid	*2.9*	*T J N*	*ug/L*		*11.04*	*57-10-3*	*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*11.31*		*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*21*	*T J*	*ug/L*		*11.71*		*10/20/15 14:04*	*10/22/15 23:08*	*1*
Octadecanoic acid	*2.0*	*T J N*	*ug/L*		*11.78*	*57-11-4*	*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*8.6*	*T J*	*ug/L*		*12.34*		*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*12.78*		*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*5.1*	*T J*	*ug/L*		*13.23*		*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*13*	*T J*	*ug/L*		*13.57*		*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*17*	*T J*	*ug/L*		*14.07*		*10/20/15 14:04*	*10/22/15 23:08*	*1*
Eicosane	*2.7*	*T J N*	*ug/L*		*14.23*	*112-95-8*	*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*14.62*		*10/20/15 14:04*	*10/22/15 23:08*	*1*
Docosane	*2.1*	*T J N*	*ug/L*		*14.77*	*629-97-0*	*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*14.96*		*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*12*	*T J*	*ug/L*		*14.99*		*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*16.15*		*10/20/15 14:04*	*10/22/15 23:08*	*1*
Unknown	*5.1*	*T J*	*ug/L*		*16.54*		*10/20/15 14:04*	*10/22/15 23:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*52 - 132*	*10/20/15 14:04*	*10/22/15 23:08*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*10/20/15 14:04*	*10/22/15 23:08*	*1*
2-Fluorophenol (Surr)	*55*		*20 - 120*	*10/20/15 14:04*	*10/22/15 23:08*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 120*	*10/20/15 14:04*	*10/22/15 23:08*	*1*
Phenol-d5 (Surr)	*40*		*16 - 120*	*10/20/15 14:04*	*10/22/15 23:08*	*1*
p-Terphenyl-d14 (Surr)	*94*		*67 - 150*	*10/20/15 14:04*	*10/22/15 23:08*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.080**	**J**	0.20	0.060	mg/L		10/20/15 07:45	10/21/15 02:17	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-28-101615
Date Collected: 10/16/15 13:23
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-8
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/20/15 07:45	10/21/15 02:17	1
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 07:45	10/21/15 02:17	1
Barium	**0.033**		0.0020	0.00070	mg/L		10/20/15 07:45	10/21/15 02:17	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 07:45	10/21/15 02:17	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 07:45	10/21/15 02:17	1
Calcium	**38.4**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 02:17	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 07:45	10/21/15 02:17	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 07:45	10/21/15 02:17	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 07:45	10/21/15 02:17	1
Iron	**0.051**		0.050	0.019	mg/L		10/20/15 07:45	10/21/15 02:17	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 07:45	10/21/15 02:17	1
Magnesium	**7.3**		0.20	0.043	mg/L		10/20/15 07:45	10/21/15 02:17	1
Manganese	**0.0031**		0.0030	0.00040	mg/L		10/20/15 07:45	10/21/15 02:17	1
Nickel	ND		0.010	0.0013	mg/L		10/20/15 07:45	10/21/15 02:17	1
Potassium	**4.5**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 12:23	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 07:45	10/21/15 02:17	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 07:45	10/21/15 02:17	1
Sodium	**31.2**		1.0	0.32	mg/L		10/20/15 07:45	10/21/15 02:17	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 07:45	10/21/15 02:17	1
Vanadium	ND		0.0050	0.0015	mg/L		10/20/15 07:45	10/21/15 02:17	1
Zinc	ND		0.010	0.0015	mg/L		10/20/15 07:45	10/21/15 02:17	1

Client Sample ID: CB-28-F-101615

Date Collected: 10/16/15 13:26
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-9

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/20/15 14:04	10/23/15 02:28	1
2,4,6-Trichlorophenol	ND		5.3	0.65	ug/L		10/20/15 14:04	10/23/15 02:28	1
2,4-Dichlorophenol	ND		5.3	0.55	ug/L		10/20/15 14:04	10/23/15 02:28	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/20/15 14:04	10/23/15 02:28	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/20/15 14:04	10/23/15 02:28	1
2,4-Dinitrotoluene	ND		5.3	0.48	ug/L		10/20/15 14:04	10/23/15 02:28	1
2,6-Dinitrotoluene	ND		5.3	0.43	ug/L		10/20/15 14:04	10/23/15 02:28	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		10/20/15 14:04	10/23/15 02:28	1
2-Chlorophenol	ND		5.3	0.57	ug/L		10/20/15 14:04	10/23/15 02:28	1
2-Methylnaphthalene	ND		5.3	0.64	ug/L		10/20/15 14:04	10/23/15 02:28	1
2-Methylphenol	**0.43**	**J**	5.3	0.43	ug/L		10/20/15 14:04	10/23/15 02:28	1
2-Nitroaniline	ND		11	0.45	ug/L		10/20/15 14:04	10/23/15 02:28	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/20/15 14:04	10/23/15 02:28	1
3,3'-Dichlorobenzidine	ND		5.3	0.43	ug/L		10/20/15 14:04	10/23/15 02:28	1
3-Nitroaniline	ND		11	0.51	ug/L		10/20/15 14:04	10/23/15 02:28	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/20/15 14:04	10/23/15 02:28	1
4-Bromophenyl phenyl ether	ND		5.3	0.48	ug/L		10/20/15 14:04	10/23/15 02:28	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		10/20/15 14:04	10/23/15 02:28	1
4-Chloroaniline	ND		5.3	0.63	ug/L		10/20/15 14:04	10/23/15 02:28	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/20/15 14:04	10/23/15 02:28	1
4-Methylphenol	ND		11	0.38	ug/L		10/20/15 14:04	10/23/15 02:28	1
4-Nitroaniline	ND		11	0.27	ug/L		10/20/15 14:04	10/23/15 02:28	1
4-Nitrophenol	ND		11	1.6	ug/L		10/20/15 14:04	10/23/15 02:28	1
Acenaphthene	ND		5.3	0.44	ug/L		10/20/15 14:04	10/23/15 02:28	1
Acenaphthylene	ND		5.3	0.41	ug/L		10/20/15 14:04	10/23/15 02:28	1
Acetophenone	ND		5.3	0.58	ug/L		10/20/15 14:04	10/23/15 02:28	1
Anthracene	ND		5.3	0.30	ug/L		10/20/15 14:04	10/23/15 02:28	1
Atrazine	ND		5.3	0.49	ug/L		10/20/15 14:04	10/23/15 02:28	1
Benzaldehyde	**0.57**	**J B**	5.3	0.29	ug/L		10/20/15 14:04	10/23/15 02:28	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/20/15 14:04	10/23/15 02:28	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/20/15 14:04	10/23/15 02:28	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/20/15 14:04	10/23/15 02:28	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/20/15 14:04	10/23/15 02:28	1
Benzo[k]fluoranthene	ND		5.3	0.78	ug/L		10/20/15 14:04	10/23/15 02:28	1
Biphenyl	ND		5.3	0.70	ug/L		10/20/15 14:04	10/23/15 02:28	1
bis (2-chloroisopropyl) ether	ND		5.3	0.56	ug/L		10/20/15 14:04	10/23/15 02:28	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/20/15 14:04	10/23/15 02:28	1
Bis(2-chloroethyl)ether	ND		5.3	0.43	ug/L		10/20/15 14:04	10/23/15 02:28	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/20/15 14:04	10/23/15 02:28	1
Butyl benzyl phthalate	ND		5.3	0.45	ug/L		10/20/15 14:04	10/23/15 02:28	1
Caprolactam	ND		5.3	2.4	ug/L		10/20/15 14:04	10/23/15 02:28	1
Carbazole	ND		5.3	0.32	ug/L		10/20/15 14:04	10/23/15 02:28	1
Chrysene	ND		5.3	0.35	ug/L		10/20/15 14:04	10/23/15 02:28	1
Dibenz(a,h)anthracene	ND		5.3	0.45	ug/L		10/20/15 14:04	10/23/15 02:28	1
Dibenzofuran	ND		11	0.55	ug/L		10/20/15 14:04	10/23/15 02:28	1
Diethyl phthalate	ND		5.3	0.24	ug/L		10/20/15 14:04	10/23/15 02:28	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		10/20/15 14:04	10/23/15 02:28	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		10/20/15 14:04	10/23/15 02:28	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		10/20/15 14:04	10/23/15 02:28	1

Client Sample ID: CB-28-F-101615

Date Collected: 10/16/15 13:26
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-9

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.43	ug/L		10/20/15 14:04	10/23/15 02:28	1
Fluorene	ND		5.3	0.38	ug/L		10/20/15 14:04	10/23/15 02:28	1
Hexachlorobenzene	ND		5.3	0.55	ug/L		10/20/15 14:04	10/23/15 02:28	1
Hexachlorobutadiene	ND		5.3	0.73	ug/L		10/20/15 14:04	10/23/15 02:28	1
Hexachlorocyclopentadiene	ND		5.3	0.63	ug/L		10/20/15 14:04	10/23/15 02:28	1
Hexachloroethane	ND		5.3	0.63	ug/L		10/20/15 14:04	10/23/15 02:28	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/20/15 14:04	10/23/15 02:28	1
Isophorone	ND		5.3	0.46	ug/L		10/20/15 14:04	10/23/15 02:28	1
Naphthalene	ND		5.3	0.81	ug/L		10/20/15 14:04	10/23/15 02:28	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/20/15 14:04	10/23/15 02:28	1
N-Nitrosodi-n-propylamine	ND		5.3	0.58	ug/L		10/20/15 14:04	10/23/15 02:28	1
N-Nitrosodiphenylamine	ND		5.3	0.55	ug/L		10/20/15 14:04	10/23/15 02:28	1
Pentachlorophenol	ND		11	2.4	ug/L		10/20/15 14:04	10/23/15 02:28	1
Phenanthrene	ND		5.3	0.47	ug/L		10/20/15 14:04	10/23/15 02:28	1
Phenol	ND		5.3	0.42	ug/L		10/20/15 14:04	10/23/15 02:28	1
Pyrene	ND		5.3	0.36	ug/L		10/20/15 14:04	10/23/15 02:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*10*	*T J N*	*ug/L*		*3.51*	*110-82-7*	*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*82*	*T J*	*ug/L*		*3.75*		*10/20/15 14:04*	*10/23/15 02:28*	*1*
Formamide, N,N-dimethyl-	*4.6*	*T J N*	*ug/L*		*4.84*	*68-12-2*	*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*5.44*		*10/20/15 14:04*	*10/23/15 02:28*	*1*
Benzene, 1,2-dimethyl-	*22*	*T J N*	*ug/L*		*5.76*	*95-47-6*	*10/20/15 14:04*	*10/23/15 02:28*	*1*
Decane	*4.1*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/20/15 14:04*	*10/23/15 02:28*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*3.3*	*T J N*	*ug/L*		*9.35*	*96-76-4*	*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*10.75*		*10/20/15 14:04*	*10/23/15 02:28*	*1*
n-Hexadecanoic acid	*7.5*	*T J N*	*ug/L*		*11.04*	*57-10-3*	*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*11.31*		*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*18*	*T J*	*ug/L*		*11.72*		*10/20/15 14:04*	*10/23/15 02:28*	*1*
Octadecanoic acid	*2.6*	*T J N*	*ug/L*		*11.78*	*57-11-4*	*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*12.34*		*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*11*	*T J*	*ug/L*		*12.78*		*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*13.24*		*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*10*	*T J*	*ug/L*		*13.57*		*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*14.62*		*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*15*	*T J*	*ug/L*		*14.99*		*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*16.14*		*10/20/15 14:04*	*10/23/15 02:28*	*1*
Unknown	*3.2*	*T J*	*ug/L*		*16.54*		*10/20/15 14:04*	*10/23/15 02:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*52 - 132*	*10/20/15 14:04*	*10/23/15 02:28*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/20/15 14:04*	*10/23/15 02:28*	*1*
2-Fluorophenol (Surr)	*61*		*20 - 120*	*10/20/15 14:04*	*10/23/15 02:28*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*	*10/20/15 14:04*	*10/23/15 02:28*	*1*
Phenol-d5 (Surr)	*43*		*16 - 120*	*10/20/15 14:04*	*10/23/15 02:28*	*1*
p-Terphenyl-d14 (Surr)	*96*		*67 - 150*	*10/20/15 14:04*	*10/23/15 02:28*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/20/15 07:45	10/21/15 02:20	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-28-F-101615
Date Collected: 10/16/15 13:26
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-9
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/20/15 07:45	10/21/15 02:20	1
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 07:45	10/21/15 02:20	1
Barium	**0.033**		0.0020	0.00070	mg/L		10/20/15 07:45	10/21/15 02:20	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 07:45	10/21/15 02:20	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 07:45	10/21/15 02:20	1
Calcium	**38.3**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 02:20	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 07:45	10/21/15 02:20	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 07:45	10/21/15 02:20	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 07:45	10/21/15 02:20	1
Iron	ND		0.050	0.019	mg/L		10/20/15 07:45	10/21/15 02:20	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 07:45	10/21/15 02:20	1
Magnesium	**7.2**		0.20	0.043	mg/L		10/20/15 07:45	10/21/15 02:20	1
Manganese	**0.0013**	**J**	0.0030	0.00040	mg/L		10/20/15 07:45	10/21/15 02:20	1
Nickel	ND		0.010	0.0013	mg/L		10/20/15 07:45	10/21/15 02:20	1
Potassium	**4.5**		0.50	0.10	mg/L		10/20/15 07:45	10/21/15 12:26	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 07:45	10/21/15 02:20	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 07:45	10/21/15 02:20	1
Sodium	**31.6**		1.0	0.32	mg/L		10/20/15 07:45	10/21/15 02:20	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 07:45	10/21/15 02:20	1
Vanadium	ND		0.0050	0.0015	mg/L		10/20/15 07:45	10/21/15 02:20	1
Zinc	ND		0.010	0.0015	mg/L		10/20/15 07:45	10/21/15 02:20	1

Client Sample ID: FB-101615

Date Collected: 10/16/15 14:40
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-10

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/20/15 14:04	10/23/15 02:57	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		10/20/15 14:04	10/23/15 02:57	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/20/15 14:04	10/23/15 02:57	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/20/15 14:04	10/23/15 02:57	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/20/15 14:04	10/23/15 02:57	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		10/20/15 14:04	10/23/15 02:57	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		10/20/15 14:04	10/23/15 02:57	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		10/20/15 14:04	10/23/15 02:57	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/20/15 14:04	10/23/15 02:57	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		10/20/15 14:04	10/23/15 02:57	1
2-Methylphenol	**0.49**	**J**	5.2	0.42	ug/L		10/20/15 14:04	10/23/15 02:57	1
2-Nitroaniline	ND		10	0.44	ug/L		10/20/15 14:04	10/23/15 02:57	1
2-Nitrophenol	ND		5.2	0.50	ug/L		10/20/15 14:04	10/23/15 02:57	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		10/20/15 14:04	10/23/15 02:57	1
3-Nitroaniline	ND		10	0.50	ug/L		10/20/15 14:04	10/23/15 02:57	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/20/15 14:04	10/23/15 02:57	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		10/20/15 14:04	10/23/15 02:57	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		10/20/15 14:04	10/23/15 02:57	1
4-Chloroaniline	ND		5.2	0.62	ug/L		10/20/15 14:04	10/23/15 02:57	1
4-Chlorophenyl phenyl ether	ND		5.2	0.37	ug/L		10/20/15 14:04	10/23/15 02:57	1
4-Methylphenol	ND		10	0.38	ug/L		10/20/15 14:04	10/23/15 02:57	1
4-Nitroaniline	ND		10	0.26	ug/L		10/20/15 14:04	10/23/15 02:57	1
4-Nitrophenol	ND		10	1.6	ug/L		10/20/15 14:04	10/23/15 02:57	1
Acenaphthene	ND		5.2	0.43	ug/L		10/20/15 14:04	10/23/15 02:57	1
Acenaphthylene	ND		5.2	0.40	ug/L		10/20/15 14:04	10/23/15 02:57	1
Acetophenone	ND		5.2	0.56	ug/L		10/20/15 14:04	10/23/15 02:57	1
Anthracene	ND		5.2	0.29	ug/L		10/20/15 14:04	10/23/15 02:57	1
Atrazine	ND		5.2	0.48	ug/L		10/20/15 14:04	10/23/15 02:57	1
Benzaldehyde	**0.95**	**J B**	5.2	0.28	ug/L		10/20/15 14:04	10/23/15 02:57	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		10/20/15 14:04	10/23/15 02:57	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		10/20/15 14:04	10/23/15 02:57	1
Benzo[b]fluoranthene	ND		5.2	0.36	ug/L		10/20/15 14:04	10/23/15 02:57	1
Benzo[g,h,i]perylene	ND		5.2	0.37	ug/L		10/20/15 14:04	10/23/15 02:57	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		10/20/15 14:04	10/23/15 02:57	1
Biphenyl	ND		5.2	0.68	ug/L		10/20/15 14:04	10/23/15 02:57	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/20/15 14:04	10/23/15 02:57	1
Bis(2-chloroethoxy)methane	ND		5.2	0.37	ug/L		10/20/15 14:04	10/23/15 02:57	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		10/20/15 14:04	10/23/15 02:57	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/20/15 14:04	10/23/15 02:57	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		10/20/15 14:04	10/23/15 02:57	1
Caprolactam	ND		5.2	2.3	ug/L		10/20/15 14:04	10/23/15 02:57	1
Carbazole	ND		5.2	0.31	ug/L		10/20/15 14:04	10/23/15 02:57	1
Chrysene	ND		5.2	0.34	ug/L		10/20/15 14:04	10/23/15 02:57	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		10/20/15 14:04	10/23/15 02:57	1
Dibenzofuran	ND		10	0.53	ug/L		10/20/15 14:04	10/23/15 02:57	1
Diethyl phthalate	ND		5.2	0.23	ug/L		10/20/15 14:04	10/23/15 02:57	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		10/20/15 14:04	10/23/15 02:57	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		10/20/15 14:04	10/23/15 02:57	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		10/20/15 14:04	10/23/15 02:57	1

Client Sample ID: FB-101615

Date Collected: 10/16/15 14:40
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-10

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		10/20/15 14:04	10/23/15 02:57	1
Fluorene	ND		5.2	0.38	ug/L		10/20/15 14:04	10/23/15 02:57	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/20/15 14:04	10/23/15 02:57	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		10/20/15 14:04	10/23/15 02:57	1
Hexachlorocyclopentadiene	ND		5.2	0.62	ug/L		10/20/15 14:04	10/23/15 02:57	1
Hexachloroethane	ND		5.2	0.62	ug/L		10/20/15 14:04	10/23/15 02:57	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		10/20/15 14:04	10/23/15 02:57	1
Isophorone	ND		5.2	0.45	ug/L		10/20/15 14:04	10/23/15 02:57	1
Naphthalene	ND		5.2	0.79	ug/L		10/20/15 14:04	10/23/15 02:57	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/20/15 14:04	10/23/15 02:57	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/20/15 14:04	10/23/15 02:57	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/20/15 14:04	10/23/15 02:57	1
Pentachlorophenol	ND		10	2.3	ug/L		10/20/15 14:04	10/23/15 02:57	1
Phenanthrene	ND		5.2	0.46	ug/L		10/20/15 14:04	10/23/15 02:57	1
Phenol	ND		5.2	0.41	ug/L		10/20/15 14:04	10/23/15 02:57	1
Pyrene	ND		5.2	0.36	ug/L		10/20/15 14:04	10/23/15 02:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*32*	*T J N*	*ug/L*		*3.57*	*110-82-7*	*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*75*	*T J*	*ug/L*		*3.74*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*5.44*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Decane	*3.9*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/20/15 14:04*	*10/23/15 02:57*	*1*
Benzoic acid, methyl ester	*2.9*	*T J N*	*ug/L*		*7.33*	*93-58-3*	*10/20/15 14:04*	*10/23/15 02:57*	*1*
n-Hexadecanoic acid	*3.9*	*T J N*	*ug/L*		*11.04*	*57-10-3*	*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*11.31*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*22*	*T J*	*ug/L*		*11.71*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Octadecanoic acid	*2.9*	*T J N*	*ug/L*		*11.78*	*57-11-4*	*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*12.07*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*7.3*	*T J*	*ug/L*		*12.34*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*13*	*T J*	*ug/L*		*12.79*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*13.24*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*13*	*T J*	*ug/L*		*13.57*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*6.1*	*T J*	*ug/L*		*14.03*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*14.07*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*14.62*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*19*	*T J*	*ug/L*		*14.99*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*16.14*		*10/20/15 14:04*	*10/23/15 02:57*	*1*
Unknown	*18*	*T J*	*ug/L*		*16.56*		*10/20/15 14:04*	*10/23/15 02:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*52 - 132*	*10/20/15 14:04*	*10/23/15 02:57*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*10/20/15 14:04*	*10/23/15 02:57*	*1*
2-Fluorophenol (Surr)	*54*		*20 - 120*	*10/20/15 14:04*	*10/23/15 02:57*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 120*	*10/20/15 14:04*	*10/23/15 02:57*	*1*
Phenol-d5 (Surr)	*40*		*16 - 120*	*10/20/15 14:04*	*10/23/15 02:57*	*1*
p-Terphenyl-d14 (Surr)	*94*		*67 - 150*	*10/20/15 14:04*	*10/23/15 02:57*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/20/15 07:45	10/21/15 02:23	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: FB-101615
Date Collected: 10/16/15 14:40
Date Received: 10/16/15 15:30

Lab Sample ID: 480-89318-10
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/20/15 07:45	10/21/15 02:23	1
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 07:45	10/21/15 02:23	1
Barium	ND		0.0020	0.00070	mg/L		10/20/15 07:45	10/21/15 02:23	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 07:45	10/21/15 02:23	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 07:45	10/21/15 02:23	1
Calcium	**0.12**	**J**	0.50	0.10	mg/L		10/20/15 07:45	10/21/15 02:23	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 07:45	10/21/15 02:23	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 07:45	10/21/15 02:23	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 07:45	10/21/15 02:23	1
Iron	ND		0.050	0.019	mg/L		10/20/15 07:45	10/21/15 02:23	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 07:45	10/21/15 02:23	1
Magnesium	ND		0.20	0.043	mg/L		10/20/15 07:45	10/21/15 02:23	1
Manganese	**0.00041**	**J**	0.0030	0.00040	mg/L		10/20/15 07:45	10/21/15 02:23	1
Nickel	ND		0.010	0.0013	mg/L		10/20/15 07:45	10/21/15 02:23	1
Potassium	**0.12**	**J**	0.50	0.10	mg/L		10/20/15 07:45	10/21/15 12:29	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 07:45	10/21/15 02:23	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 07:45	10/21/15 02:23	1
Sodium	ND		1.0	0.32	mg/L		10/20/15 07:45	10/21/15 02:23	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 07:45	10/21/15 02:23	1
Vanadium	ND		0.0050	0.0015	mg/L		10/20/15 07:45	10/21/15 02:23	1
Zinc	**0.012**		0.010	0.0015	mg/L		10/20/15 07:45	10/21/15 02:23	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-12-101615

Lab Sample ID: 480-89318-1

Date Collected: 10/16/15 12:40

Matrix: Water

Date Received: 10/16/15 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269879	10/20/15 14:04	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270403	10/22/15 19:46	DMR	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	269996	10/21/15 01:44	AMH	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270285	10/21/15 11:50	AMH	TAL BUF

Client Sample ID: CB-12-F-101615

Lab Sample ID: 480-89318-2

Date Collected: 10/16/15 12:40

Matrix: Water

Date Received: 10/16/15 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269879	10/20/15 14:04	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270403	10/22/15 20:15	DMR	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	269996	10/21/15 01:47	AMH	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270285	10/21/15 11:53	AMH	TAL BUF

Client Sample ID: CB-DUP-01-101615

Lab Sample ID: 480-89318-3

Date Collected: 10/16/15 12:40

Matrix: Water

Date Received: 10/16/15 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269879	10/20/15 14:04	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270403	10/22/15 20:44	DMR	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	269996	10/21/15 01:50	AMH	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270285	10/21/15 11:56	AMH	TAL BUF

Client Sample ID: CB-26-101615

Lab Sample ID: 480-89318-4

Date Collected: 10/16/15 13:47

Matrix: Water

Date Received: 10/16/15 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269879	10/20/15 14:04	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270403	10/22/15 21:13	DMR	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	269996	10/21/15 01:53	AMH	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270285	10/21/15 12:00	AMH	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-26-F-101615

Lab Sample ID: 480-89318-5
Matrix: Water
Date Collected: 10/16/15 13:47
Date Received: 10/16/15 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269879	10/20/15 14:04	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270403	10/22/15 21:42	DMR	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	269996	10/21/15 01:57	AMH	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270285	10/21/15 12:13	AMH	TAL BUF

Client Sample ID: CB-27-101615

Lab Sample ID: 480-89318-6
Matrix: Water
Date Collected: 10/16/15 12:20
Date Received: 10/16/15 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269879	10/20/15 14:04	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270403	10/22/15 22:10	DMR	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	269996	10/21/15 02:00	AMH	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270285	10/21/15 12:16	AMH	TAL BUF

Client Sample ID: CB-27-F-101615

Lab Sample ID: 480-89318-7
Matrix: Water
Date Collected: 10/16/15 12:23
Date Received: 10/16/15 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269879	10/20/15 14:04	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270403	10/22/15 22:39	DMR	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	269996	10/21/15 02:03	AMH	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270285	10/21/15 12:19	AMH	TAL BUF

Client Sample ID: CB-28-101615

Lab Sample ID: 480-89318-8
Matrix: Water
Date Collected: 10/16/15 13:23
Date Received: 10/16/15 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269879	10/20/15 14:04	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270403	10/22/15 23:08	DMR	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	269996	10/21/15 02:17	AMH	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270285	10/21/15 12:23	AMH	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Client Sample ID: CB-28-F-101615

Lab Sample ID: 480-89318-9

Date Collected: 10/16/15 13:26

Matrix: Water

Date Received: 10/16/15 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269879	10/20/15 14:04	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270512	10/23/15 02:28	DMR	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	269996	10/21/15 02:20	AMH	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270285	10/21/15 12:26	AMH	TAL BUF

Client Sample ID: FB-101615

Lab Sample ID: 480-89318-10

Date Collected: 10/16/15 14:40

Matrix: Water

Date Received: 10/16/15 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			269879	10/20/15 14:04	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270512	10/23/15 02:57	DMR	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	269996	10/21/15 02:23	AMH	TAL BUF
Total/NA	Prep	3005A			269640	10/20/15 07:45	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270285	10/21/15 12:29	AMH	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89318-1	CB-12-101615	Water	10/16/15 12:40	10/16/15 15:30
480-89318-2	CB-12-F-101615	Water	10/16/15 12:40	10/16/15 15:30
480-89318-3	CB-DUP-01-101615	Water	10/16/15 12:40	10/16/15 15:30
480-89318-4	CB-26-101615	Water	10/16/15 13:47	10/16/15 15:30
480-89318-5	CB-26-F-101615	Water	10/16/15 13:47	10/16/15 15:30
480-89318-6	CB-27-101615	Water	10/16/15 12:20	10/16/15 15:30
480-89318-7	CB-27-F-101615	Water	10/16/15 12:23	10/16/15 15:30
480-89318-8	CB-28-101615	Water	10/16/15 13:23	10/16/15 15:30
480-89318-9	CB-28-F-101615	Water	10/16/15 13:26	10/16/15 15:30
480-89318-10	FB-101615	Water	10/16/15 14:40	10/16/15 15:30

Chain of Custody Record

TestAmerica
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Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Picinas - Heide Dudek	10/16/15	292036
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd.	518-782-9526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park, NY			
Contract/Purchase Order/Quote No.			
91667			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: SVOCs 8270D	TNI Metals 6010C
CB-12-101615	10/16/15	1240		X			2		1				X	X
CB-12-F-101615	10/16/15	1240		X			2		1				X	X
CB-DUP-01-101615	10/16/15	1240		X			2		1				X	X
CB-26-101615	10/16/15	1347		X			2		1				X	X
CB-26-F-101615	10/16/15	1347		X			2		1				X	X
CB-27-101615	10/16/15	1220		X			2		1				X	X
CB-27-F-101615	10/16/15	1223		X			2		1				X	X
CB-28-101615	10/16/15	1323		X			2		1				X	X
CB-28-F-101615	10/16/15	1326		X			2		1				X	X
FB-101615	10/16/15	1440		X			2		1				X	X

Special Instructions/ Conditions of Receipt

480-89318 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.		10/16/15	15:00		10/16/15	15:00
2.		10/16/15	15:30		10/16/15	15:30
3.						

Comments

4.1 °C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Page 42 of 43

10/27/2015

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-89318-1

Login Number: 89318
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CDM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89389-1
Client Project/Site: Buffalo Lakeside #915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Authorized for release by:
11/3/2015 4:32:28 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
11/3/2015 4:32:29 PM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-89389-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89389-1

Receipt
The samples were received on 10/19/2015 5:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.4° C.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-272360 was outside the method criteria for the following analytes: 2,4-Dinitrophenol, Benzaldehyde, Diethyl phthalate and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-272542 was outside the method criteria for the following analytes: 2,4-Dinitrophenol, 4-Chloroaniline, Benzaldehyde, Diethyl phthalate and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The initial calibration curve analyzed in analytical batch 271208 was outside method criteria for the analyte Benzaldehyde. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method(s) 8270D: The continuing calibration verification (CCVIS) associated with analytical batch 271942 was outside the method criteria for the analytes Benzaldehyde, Hexachlorocyclopentadiene and Diethyl phthalate. The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria. (CCVIS 480-271942/3).

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 270014 recovered outside control limits for the following analytes: 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. These analytes have been identified as a poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: TP-11-101915 (480-89389-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: TP-11-101915 (480-89389-1). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-11-101915
Date Collected: 10/19/15 13:25
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		11	1.0	ug/L		10/21/15 08:21	11/02/15 14:24	2
2,4,6-Trichlorophenol	ND		11	1.3	ug/L		10/21/15 08:21	11/02/15 14:24	2
2,4-Dichlorophenol	ND		11	1.1	ug/L		10/21/15 08:21	11/02/15 14:24	2
2,4-Dimethylphenol	ND		11	1.1	ug/L		10/21/15 08:21	11/02/15 14:24	2
2,4-Dinitrophenol	ND	*	21	4.7	ug/L		10/21/15 08:21	11/02/15 14:24	2
2,4-Dinitrotoluene	ND		11	0.94	ug/L		10/21/15 08:21	11/02/15 14:24	2
2,6-Dinitrotoluene	ND		11	0.84	ug/L		10/21/15 08:21	11/02/15 14:24	2
2-Chloronaphthalene	ND		11	0.97	ug/L		10/21/15 08:21	11/02/15 14:24	2
2-Chlorophenol	ND		11	1.1	ug/L		10/21/15 08:21	11/02/15 14:24	2
2-Methylnaphthalene	ND		11	1.3	ug/L		10/21/15 08:21	11/02/15 14:24	2
2-Methylphenol	ND		11	0.84	ug/L		10/21/15 08:21	11/02/15 14:24	2
2-Nitroaniline	ND		21	0.89	ug/L		10/21/15 08:21	11/02/15 14:24	2
2-Nitrophenol	ND		11	1.0	ug/L		10/21/15 08:21	11/02/15 14:24	2
3,3'-Dichlorobenzidine	ND		11	0.84	ug/L		10/21/15 08:21	11/02/15 14:24	2
3-Nitroaniline	ND		21	1.0	ug/L		10/21/15 08:21	11/02/15 14:24	2
4,6-Dinitro-2-methylphenol	ND	*	21	4.6	ug/L		10/21/15 08:21	11/02/15 14:24	2
4-Bromophenyl phenyl ether	ND		11	0.95	ug/L		10/21/15 08:21	11/02/15 14:24	2
4-Chloro-3-methylphenol	ND		11	0.95	ug/L		10/21/15 08:21	11/02/15 14:24	2
4-Chloroaniline	ND		11	1.2	ug/L		10/21/15 08:21	11/02/15 14:24	2
4-Chlorophenyl phenyl ether	ND		11	0.74	ug/L		10/21/15 08:21	11/02/15 14:24	2
4-Methylphenol	**1.9**	**J**	21	0.76	ug/L		10/21/15 08:21	11/02/15 14:24	2
4-Nitroaniline	ND		21	0.53	ug/L		10/21/15 08:21	11/02/15 14:24	2
4-Nitrophenol	ND		21	3.2	ug/L		10/21/15 08:21	11/02/15 14:24	2
Acenaphthene	ND		11	0.87	ug/L		10/21/15 08:21	11/02/15 14:24	2
Acenaphthylene	ND		11	0.80	ug/L		10/21/15 08:21	11/02/15 14:24	2
Acetophenone	ND		11	1.1	ug/L		10/21/15 08:21	11/02/15 14:24	2
Anthracene	ND		11	0.59	ug/L		10/21/15 08:21	11/02/15 14:24	2
Atrazine	ND		11	0.97	ug/L		10/21/15 08:21	11/02/15 14:24	2
Benzaldehyde	**2.0**	**J B**	11	0.56	ug/L		10/21/15 08:21	11/02/15 14:24	2
Benzo[a]anthracene	ND		11	0.76	ug/L		10/21/15 08:21	11/02/15 14:24	2
Benzo[a]pyrene	ND		11	0.99	ug/L		10/21/15 08:21	11/02/15 14:24	2
Benzo[b]fluoranthene	ND		11	0.72	ug/L		10/21/15 08:21	11/02/15 14:24	2
Benzo[g,h,i]perylene	ND		11	0.74	ug/L		10/21/15 08:21	11/02/15 14:24	2
Benzo[k]fluoranthene	ND		11	1.5	ug/L		10/21/15 08:21	11/02/15 14:24	2
Biphenyl	ND		11	1.4	ug/L		10/21/15 08:21	11/02/15 14:24	2
bis (2-chloroisopropyl) ether	ND		11	1.1	ug/L		10/21/15 08:21	11/02/15 14:24	2
Bis(2-chloroethoxy)methane	ND		11	0.74	ug/L		10/21/15 08:21	11/02/15 14:24	2
Bis(2-chloroethyl)ether	ND		11	0.84	ug/L		10/21/15 08:21	11/02/15 14:24	2
Bis(2-ethylhexyl) phthalate	ND		11	3.8	ug/L		10/21/15 08:21	11/02/15 14:24	2
Butyl benzyl phthalate	ND		11	0.89	ug/L		10/21/15 08:21	11/02/15 14:24	2
Caprolactam	ND		11	4.6	ug/L		10/21/15 08:21	11/02/15 14:24	2
Carbazole	ND		11	0.63	ug/L		10/21/15 08:21	11/02/15 14:24	2
Chrysene	ND		11	0.70	ug/L		10/21/15 08:21	11/02/15 14:24	2
Dibenz(a,h)anthracene	ND		11	0.89	ug/L		10/21/15 08:21	11/02/15 14:24	2
Dibenzofuran	ND		21	1.1	ug/L		10/21/15 08:21	11/02/15 14:24	2
Diethyl phthalate	ND		11	0.46	ug/L		10/21/15 08:21	11/02/15 14:24	2
Dimethyl phthalate	ND		11	0.76	ug/L		10/21/15 08:21	11/02/15 14:24	2
Di-n-butyl phthalate	ND		11	0.65	ug/L		10/21/15 08:21	11/02/15 14:24	2
Di-n-octyl phthalate	ND		11	0.99	ug/L		10/21/15 08:21	11/02/15 14:24	2

Client Sample ID: TP-11-101915
Date Collected: 10/19/15 13:25
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		11	0.84	ug/L		10/21/15 08:21	11/02/15 14:24	2
Fluorene	ND		11	0.76	ug/L		10/21/15 08:21	11/02/15 14:24	2
Hexachlorobenzene	ND		11	1.1	ug/L		10/21/15 08:21	11/02/15 14:24	2
Hexachlorobutadiene	ND		11	1.4	ug/L		10/21/15 08:21	11/02/15 14:24	2
Hexachlorocyclopentadiene	ND		11	1.2	ug/L		10/21/15 08:21	11/02/15 14:24	2
Hexachloroethane	ND		11	1.2	ug/L		10/21/15 08:21	11/02/15 14:24	2
Indeno[1,2,3-cd]pyrene	ND		11	0.99	ug/L		10/21/15 08:21	11/02/15 14:24	2
Isophorone	ND		11	0.91	ug/L		10/21/15 08:21	11/02/15 14:24	2
Naphthalene	ND		11	1.6	ug/L		10/21/15 08:21	11/02/15 14:24	2
Nitrobenzene	ND		11	0.61	ug/L		10/21/15 08:21	11/02/15 14:24	2
N-Nitrosodi-n-propylamine	ND		11	1.1	ug/L		10/21/15 08:21	11/02/15 14:24	2
N-Nitrosodiphenylamine	ND		11	1.1	ug/L		10/21/15 08:21	11/02/15 14:24	2
Pentachlorophenol	ND		21	4.6	ug/L		10/21/15 08:21	11/02/15 14:24	2
Phenanthrene	ND		11	0.93	ug/L		10/21/15 08:21	11/02/15 14:24	2
Phenol	**19**		11	0.82	ug/L		10/21/15 08:21	11/02/15 14:24	2
Pyrene	ND		11	0.72	ug/L		10/21/15 08:21	11/02/15 14:24	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*26*	*T J N*	*ug/L*		*3.62*	*110-82-7*	*10/21/15 08:21*	*11/02/15 14:24*	*2*
Unknown	*50*	*T J*	*ug/L*		*3.78*		*10/21/15 08:21*	*11/02/15 14:24*	*2*
Unknown	*19*	*T J*	*ug/L*		*5.46*		*10/21/15 08:21*	*11/02/15 14:24*	*2*
Cyclopentasiloxane, decamethyl-	*23*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/21/15 08:21*	*11/02/15 14:24*	*2*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	*4.3*	*T J N*	*ug/L*		*7.74*	*464-49-3*	*10/21/15 08:21*	*11/02/15 14:24*	*2*
Benzeneacetic acid	*10*	*T J N*	*ug/L*		*8.12*	*103-82-2*	*10/21/15 08:21*	*11/02/15 14:24*	*2*
Unknown	*5.9*	*T J*	*ug/L*		*8.33*		*10/21/15 08:21*	*11/02/15 14:24*	*2*
Unknown	*7.9*	*T J*	*ug/L*		*10.78*		*10/21/15 08:21*	*11/02/15 14:24*	*2*
n-Hexadecanoic acid	*6.5*	*T J N*	*ug/L*		*11.08*	*57-10-3*	*10/21/15 08:21*	*11/02/15 14:24*	*2*
Unknown	*24*	*T J*	*ug/L*		*11.76*		*10/21/15 08:21*	*11/02/15 14:24*	*2*
Unknown	*7.3*	*T J*	*ug/L*		*12.39*		*10/21/15 08:21*	*11/02/15 14:24*	*2*
Unknown	*14*	*T J*	*ug/L*		*12.85*		*10/21/15 08:21*	*11/02/15 14:24*	*2*
Unknown	*15*	*T J*	*ug/L*		*13.63*		*10/21/15 08:21*	*11/02/15 14:24*	*2*
Unknown	*5.0*	*T J*	*ug/L*		*14.68*		*10/21/15 08:21*	*11/02/15 14:24*	*2*
Unknown	*13*	*T J*	*ug/L*		*15.05*		*10/21/15 08:21*	*11/02/15 14:24*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*52 - 132*	*10/21/15 08:21*	*11/02/15 14:24*	*2*
2-Fluorobiphenyl	*65*		*48 - 120*	*10/21/15 08:21*	*11/02/15 14:24*	*2*
2-Fluorophenol (Surr)	*43*		*20 - 120*	*10/21/15 08:21*	*11/02/15 14:24*	*2*
Nitrobenzene-d5 (Surr)	*57*		*46 - 120*	*10/21/15 08:21*	*11/02/15 14:24*	*2*
Phenol-d5 (Surr)	*30*		*16 - 120*	*10/21/15 08:21*	*11/02/15 14:24*	*2*
p-Terphenyl-d14 (Surr)	*55*	*X*	*67 - 150*	*10/21/15 08:21*	*11/02/15 14:24*	*2*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.20**		0.20	0.060	mg/L		10/20/15 11:25	10/20/15 19:35	1
Antimony	ND		0.020	0.0068	mg/L		10/20/15 11:25	10/20/15 19:35	1
Arsenic	**0.0077**	**J**	0.015	0.0056	mg/L		10/20/15 11:25	10/20/15 19:35	1
Barium	**0.033**		0.0020	0.00070	mg/L		10/20/15 11:25	10/20/15 19:35	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 11:25	10/20/15 19:35	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-11-101915
Date Collected: 10/19/15 13:25
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 11:25	10/20/15 19:35	1
Calcium	**140**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 19:35	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 11:25	10/20/15 19:35	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 11:25	10/20/15 19:35	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 11:25	10/20/15 19:35	1
Iron	**0.53**		0.050	0.019	mg/L		10/20/15 11:25	10/20/15 19:35	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 11:25	10/20/15 19:35	1
Magnesium	**0.81**		0.20	0.043	mg/L		10/20/15 11:25	10/20/15 19:35	1
Manganese	**0.020**		0.0030	0.00040	mg/L		10/20/15 11:25	10/20/15 19:35	1
Nickel	**0.0057**	**J**	0.010	0.0013	mg/L		10/20/15 11:25	10/20/15 19:35	1
Potassium	**456**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 19:35	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 11:25	10/20/15 19:35	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 11:25	10/20/15 19:35	1
Sodium	**48.5**		1.0	0.32	mg/L		10/20/15 11:25	10/20/15 19:35	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 11:25	10/20/15 19:35	1
Vanadium	**0.0026**	**J**	0.0050	0.0015	mg/L		10/20/15 11:25	10/20/15 19:35	1
Zinc	**0.0032**	**J B**	0.010	0.0015	mg/L		10/20/15 11:25	10/20/15 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.12**		0.010	0.0050	mg/L		10/28/15 07:15	10/28/15 14:22	1

Client Sample ID: TP-11-F-101915

Date Collected: 10/19/15 13:35
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/21/15 08:21	10/31/15 20:00	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		10/21/15 08:21	10/31/15 20:00	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/21/15 08:21	10/31/15 20:00	1
2,4-Dimethylphenol	**1.4**	**J**	5.2	0.52	ug/L		10/21/15 08:21	10/31/15 20:00	1
2,4-Dinitrophenol	ND	*	10	2.3	ug/L		10/21/15 08:21	10/31/15 20:00	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		10/21/15 08:21	10/31/15 20:00	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		10/21/15 08:21	10/31/15 20:00	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		10/21/15 08:21	10/31/15 20:00	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/21/15 08:21	10/31/15 20:00	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		10/21/15 08:21	10/31/15 20:00	1
2-Methylphenol	**0.87**	**J**	5.2	0.42	ug/L		10/21/15 08:21	10/31/15 20:00	1
2-Nitroaniline	ND		10	0.44	ug/L		10/21/15 08:21	10/31/15 20:00	1
2-Nitrophenol	ND		5.2	0.50	ug/L		10/21/15 08:21	10/31/15 20:00	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		10/21/15 08:21	10/31/15 20:00	1
3-Nitroaniline	ND		10	0.50	ug/L		10/21/15 08:21	10/31/15 20:00	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		10/21/15 08:21	10/31/15 20:00	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		10/21/15 08:21	10/31/15 20:00	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		10/21/15 08:21	10/31/15 20:00	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/21/15 08:21	10/31/15 20:00	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		10/21/15 08:21	10/31/15 20:00	1
4-Methylphenol	**2.7**	**J**	10	0.38	ug/L		10/21/15 08:21	10/31/15 20:00	1
4-Nitroaniline	ND		10	0.26	ug/L		10/21/15 08:21	10/31/15 20:00	1
4-Nitrophenol	ND		10	1.6	ug/L		10/21/15 08:21	10/31/15 20:00	1
Acenaphthene	ND		5.2	0.43	ug/L		10/21/15 08:21	10/31/15 20:00	1
Acenaphthylene	ND		5.2	0.40	ug/L		10/21/15 08:21	10/31/15 20:00	1
Acetophenone	ND		5.2	0.56	ug/L		10/21/15 08:21	10/31/15 20:00	1
Anthracene	ND		5.2	0.29	ug/L		10/21/15 08:21	10/31/15 20:00	1
Atrazine	ND		5.2	0.48	ug/L		10/21/15 08:21	10/31/15 20:00	1
Benzaldehyde	**1.4**	**J B**	5.2	0.28	ug/L		10/21/15 08:21	10/31/15 20:00	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		10/21/15 08:21	10/31/15 20:00	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		10/21/15 08:21	10/31/15 20:00	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/21/15 08:21	10/31/15 20:00	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		10/21/15 08:21	10/31/15 20:00	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		10/21/15 08:21	10/31/15 20:00	1
Biphenyl	ND		5.2	0.68	ug/L		10/21/15 08:21	10/31/15 20:00	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/21/15 08:21	10/31/15 20:00	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		10/21/15 08:21	10/31/15 20:00	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		10/21/15 08:21	10/31/15 20:00	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/21/15 08:21	10/31/15 20:00	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		10/21/15 08:21	10/31/15 20:00	1
Caprolactam	ND		5.2	2.3	ug/L		10/21/15 08:21	10/31/15 20:00	1
Carbazole	ND		5.2	0.31	ug/L		10/21/15 08:21	10/31/15 20:00	1
Chrysene	ND		5.2	0.34	ug/L		10/21/15 08:21	10/31/15 20:00	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		10/21/15 08:21	10/31/15 20:00	1
Dibenzofuran	ND		10	0.53	ug/L		10/21/15 08:21	10/31/15 20:00	1
Diethyl phthalate	ND		5.2	0.23	ug/L		10/21/15 08:21	10/31/15 20:00	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		10/21/15 08:21	10/31/15 20:00	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		10/21/15 08:21	10/31/15 20:00	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		10/21/15 08:21	10/31/15 20:00	1

Client Sample ID: TP-11-F-101915

Date Collected: 10/19/15 13:35
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		10/21/15 08:21	10/31/15 20:00	1
Fluorene	ND		5.2	0.38	ug/L		10/21/15 08:21	10/31/15 20:00	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/21/15 08:21	10/31/15 20:00	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		10/21/15 08:21	10/31/15 20:00	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/21/15 08:21	10/31/15 20:00	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/21/15 08:21	10/31/15 20:00	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		10/21/15 08:21	10/31/15 20:00	1
Isophorone	ND		5.2	0.45	ug/L		10/21/15 08:21	10/31/15 20:00	1
Naphthalene	ND		5.2	0.79	ug/L		10/21/15 08:21	10/31/15 20:00	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/21/15 08:21	10/31/15 20:00	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/21/15 08:21	10/31/15 20:00	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/21/15 08:21	10/31/15 20:00	1
Pentachlorophenol	ND		10	2.3	ug/L		10/21/15 08:21	10/31/15 20:00	1
Phenanthrene	ND		5.2	0.46	ug/L		10/21/15 08:21	10/31/15 20:00	1
Phenol	**27**		5.2	0.41	ug/L		10/21/15 08:21	10/31/15 20:00	1
Pyrene	ND		5.2	0.35	ug/L		10/21/15 08:21	10/31/15 20:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.2*	*T J*	*ug/L*		*3.16*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*5.3*	*T J*	*ug/L*		*3.41*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Cyclohexane	*33*	*T J N*	*ug/L*		*3.63*	*110-82-7*	*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*65*	*T J*	*ug/L*		*3.80*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*21*	*T J*	*ug/L*		*5.49*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*6.71*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimet	*2.9*	*T J N*	*ug/L*		*7.38*	*1195-79-5*	*10/21/15 08:21*	*10/31/15 20:00*	*1*
Cyclopentasiloxane, decamethyl-	*2.6*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/21/15 08:21*	*10/31/15 20:00*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	*4.8*	*T J N*	*ug/L*		*7.75*	*464-48-2*	*10/21/15 08:21*	*10/31/15 20:00*	*1*
Benzeneacetic acid	*13*	*T J N*	*ug/L*		*8.14*	*103-82-2*	*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*8.59*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*12*	*T J*	*ug/L*		*10.79*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*11.36*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*28*	*T J*	*ug/L*		*11.77*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Heptadecanoic acid	*5.1*	*T J N*	*ug/L*		*11.84*	*506-12-7*	*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*12.12*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*16*	*T J*	*ug/L*		*12.40*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*19*	*T J*	*ug/L*		*13.65*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*15.04*		*10/21/15 08:21*	*10/31/15 20:00*	*1*
Unknown	*16*	*T J*	*ug/L*		*15.07*		*10/21/15 08:21*	*10/31/15 20:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*52 - 132*	*10/21/15 08:21*	*10/31/15 20:00*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*10/21/15 08:21*	*10/31/15 20:00*	*1*
2-Fluorophenol (Surr)	*54*		*20 - 120*	*10/21/15 08:21*	*10/31/15 20:00*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*	*10/21/15 08:21*	*10/31/15 20:00*	*1*
Phenol-d5 (Surr)	*39*		*16 - 120*	*10/21/15 08:21*	*10/31/15 20:00*	*1*
p-Terphenyl-d14 (Surr)	*72*		*67 - 150*	*10/21/15 08:21*	*10/31/15 20:00*	*1*

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-11-F-101915
Date Collected: 10/19/15 13:35
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-2
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/20/15 11:25	10/20/15 19:38	1
Antimony	ND		0.020	0.0068	mg/L		10/20/15 11:25	10/20/15 19:38	1
Arsenic	**0.0084**	**J**	0.015	0.0056	mg/L		10/20/15 11:25	10/20/15 19:38	1
Barium	**0.035**		0.0020	0.00070	mg/L		10/20/15 11:25	10/20/15 19:38	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 11:25	10/20/15 19:38	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 11:25	10/20/15 19:38	1
Calcium	**148**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 19:38	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 11:25	10/20/15 19:38	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 11:25	10/20/15 19:38	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 11:25	10/20/15 19:38	1
Iron	**0.27**		0.050	0.019	mg/L		10/20/15 11:25	10/20/15 19:38	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 11:25	10/20/15 19:38	1
Magnesium	**0.77**		0.20	0.043	mg/L		10/20/15 11:25	10/20/15 19:38	1
Manganese	**0.0028**	**J**	0.0030	0.00040	mg/L		10/20/15 11:25	10/20/15 19:38	1
Nickel	**0.0054**	**J**	0.010	0.0013	mg/L		10/20/15 11:25	10/20/15 19:38	1
Potassium	**463**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 19:38	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 11:25	10/20/15 19:38	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 11:25	10/20/15 19:38	1
Sodium	**50.8**		1.0	0.32	mg/L		10/20/15 11:25	10/20/15 19:38	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 11:25	10/20/15 19:38	1
Vanadium	**0.0029**	**J**	0.0050	0.0015	mg/L		10/20/15 11:25	10/20/15 19:38	1
Zinc	**0.0023**	**J B**	0.010	0.0015	mg/L		10/20/15 11:25	10/20/15 19:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.13**		0.010	0.0050	mg/L		10/26/15 14:02	10/27/15 11:42	1

Client Sample ID: TP-DUP-02-101915

Date Collected: 10/19/15 13:35
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/21/15 08:21	10/31/15 20:29	1
2,4,6-Trichlorophenol	ND		5.1	0.63	ug/L		10/21/15 08:21	10/31/15 20:29	1
2,4-Dichlorophenol	ND		5.1	0.53	ug/L		10/21/15 08:21	10/31/15 20:29	1
2,4-Dimethylphenol	**1.4**	**J**	5.1	0.51	ug/L		10/21/15 08:21	10/31/15 20:29	1
2,4-Dinitrophenol	ND	*	10	2.3	ug/L		10/21/15 08:21	10/31/15 20:29	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/21/15 08:21	10/31/15 20:29	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/21/15 08:21	10/31/15 20:29	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/21/15 08:21	10/31/15 20:29	1
2-Chlorophenol	ND		5.1	0.55	ug/L		10/21/15 08:21	10/31/15 20:29	1
2-Methylnaphthalene	ND		5.1	0.62	ug/L		10/21/15 08:21	10/31/15 20:29	1
2-Methylphenol	**0.98**	**J**	5.1	0.41	ug/L		10/21/15 08:21	10/31/15 20:29	1
2-Nitroaniline	ND		10	0.43	ug/L		10/21/15 08:21	10/31/15 20:29	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/21/15 08:21	10/31/15 20:29	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/21/15 08:21	10/31/15 20:29	1
3-Nitroaniline	ND		10	0.49	ug/L		10/21/15 08:21	10/31/15 20:29	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		10/21/15 08:21	10/31/15 20:29	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/21/15 08:21	10/31/15 20:29	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/21/15 08:21	10/31/15 20:29	1
4-Chloroaniline	ND		5.1	0.61	ug/L		10/21/15 08:21	10/31/15 20:29	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/21/15 08:21	10/31/15 20:29	1
4-Methylphenol	**2.9**	**J**	10	0.37	ug/L		10/21/15 08:21	10/31/15 20:29	1
4-Nitroaniline	ND		10	0.26	ug/L		10/21/15 08:21	10/31/15 20:29	1
4-Nitrophenol	ND		10	1.6	ug/L		10/21/15 08:21	10/31/15 20:29	1
Acenaphthene	ND		5.1	0.42	ug/L		10/21/15 08:21	10/31/15 20:29	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/21/15 08:21	10/31/15 20:29	1
Acetophenone	ND		5.1	0.56	ug/L		10/21/15 08:21	10/31/15 20:29	1
Anthracene	ND		5.1	0.29	ug/L		10/21/15 08:21	10/31/15 20:29	1
Atrazine	ND		5.1	0.47	ug/L		10/21/15 08:21	10/31/15 20:29	1
Benzaldehyde	**1.5**	**J B**	5.1	0.27	ug/L		10/21/15 08:21	10/31/15 20:29	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/21/15 08:21	10/31/15 20:29	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/21/15 08:21	10/31/15 20:29	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/21/15 08:21	10/31/15 20:29	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/21/15 08:21	10/31/15 20:29	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/21/15 08:21	10/31/15 20:29	1
Biphenyl	ND		5.1	0.67	ug/L		10/21/15 08:21	10/31/15 20:29	1
bis (2-chloroisopropyl) ether	ND		5.1	0.54	ug/L		10/21/15 08:21	10/31/15 20:29	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/21/15 08:21	10/31/15 20:29	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/21/15 08:21	10/31/15 20:29	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.9	ug/L		10/21/15 08:21	10/31/15 20:29	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		10/21/15 08:21	10/31/15 20:29	1
Caprolactam	ND		5.1	2.3	ug/L		10/21/15 08:21	10/31/15 20:29	1
Carbazole	ND		5.1	0.31	ug/L		10/21/15 08:21	10/31/15 20:29	1
Chrysene	ND		5.1	0.34	ug/L		10/21/15 08:21	10/31/15 20:29	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/21/15 08:21	10/31/15 20:29	1
Dibenzofuran	ND		10	0.53	ug/L		10/21/15 08:21	10/31/15 20:29	1
Diethyl phthalate	ND		5.1	0.23	ug/L		10/21/15 08:21	10/31/15 20:29	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/21/15 08:21	10/31/15 20:29	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/21/15 08:21	10/31/15 20:29	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/21/15 08:21	10/31/15 20:29	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-DUP-02-101915
Date Collected: 10/19/15 13:35
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/21/15 08:21	10/31/15 20:29	1
Fluorene	ND		5.1	0.37	ug/L		10/21/15 08:21	10/31/15 20:29	1
Hexachlorobenzene	ND		5.1	0.53	ug/L		10/21/15 08:21	10/31/15 20:29	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/21/15 08:21	10/31/15 20:29	1
Hexachlorocyclopentadiene	ND		5.1	0.61	ug/L		10/21/15 08:21	10/31/15 20:29	1
Hexachloroethane	ND		5.1	0.61	ug/L		10/21/15 08:21	10/31/15 20:29	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/21/15 08:21	10/31/15 20:29	1
Isophorone	ND		5.1	0.44	ug/L		10/21/15 08:21	10/31/15 20:29	1
Naphthalene	ND		5.1	0.78	ug/L		10/21/15 08:21	10/31/15 20:29	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/21/15 08:21	10/31/15 20:29	1
N-Nitrosodi-n-propylamine	ND		5.1	0.56	ug/L		10/21/15 08:21	10/31/15 20:29	1
N-Nitrosodiphenylamine	ND		5.1	0.53	ug/L		10/21/15 08:21	10/31/15 20:29	1
Pentachlorophenol	ND		10	2.3	ug/L		10/21/15 08:21	10/31/15 20:29	1
Phenanthrene	ND		5.1	0.45	ug/L		10/21/15 08:21	10/31/15 20:29	1
Phenol	**34**		5.1	0.40	ug/L		10/21/15 08:21	10/31/15 20:29	1
Pyrene	ND		5.1	0.35	ug/L		10/21/15 08:21	10/31/15 20:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.3*	*T J*	*ug/L*		*3.14*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*7.6*	*T J*	*ug/L*		*3.40*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Cyclohexane	*11*	*T J N*	*ug/L*		*3.60*	*110-82-7*	*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*84*	*T J*	*ug/L*		*3.80*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*21*	*T J*	*ug/L*		*5.49*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*9.5*	*T J*	*ug/L*		*5.54*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*6.71*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimet	*3.0*	*T J N*	*ug/L*		*7.38*	*1195-79-5*	*10/21/15 08:21*	*10/31/15 20:29*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	*4.9*	*T J N*	*ug/L*		*7.75*	*464-49-3*	*10/21/15 08:21*	*10/31/15 20:29*	*1*
Benzeneacetic acid	*15*	*T J N*	*ug/L*		*8.15*	*103-82-2*	*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*14*	*T J*	*ug/L*		*10.79*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*11.36*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*38*	*T J*	*ug/L*		*11.77*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Octadecanoic acid	*4.4*	*T J N*	*ug/L*		*11.84*	*57-11-4*	*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*12.12*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*19*	*T J*	*ug/L*		*12.40*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*27*	*T J*	*ug/L*		*12.86*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*24*	*T J*	*ug/L*		*13.64*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*7.0*	*T J*	*ug/L*		*15.04*		*10/21/15 08:21*	*10/31/15 20:29*	*1*
Unknown	*19*	*T J*	*ug/L*		*15.07*		*10/21/15 08:21*	*10/31/15 20:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*52 - 132*	*10/21/15 08:21*	*10/31/15 20:29*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*10/21/15 08:21*	*10/31/15 20:29*	*1*
2-Fluorophenol (Surr)	*70*		*20 - 120*	*10/21/15 08:21*	*10/31/15 20:29*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 120*	*10/21/15 08:21*	*10/31/15 20:29*	*1*
Phenol-d5 (Surr)	*48*		*16 - 120*	*10/21/15 08:21*	*10/31/15 20:29*	*1*
p-Terphenyl-d14 (Surr)	*72*		*67 - 150*	*10/21/15 08:21*	*10/31/15 20:29*	*1*

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-DUP-02-101915

Date Collected: 10/19/15 13:35
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-3

Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/20/15 11:25	10/20/15 19:41	1
Antimony	ND		0.020	0.0068	mg/L		10/20/15 11:25	10/20/15 19:41	1
Arsenic	**0.0080**	**J**	0.015	0.0056	mg/L		10/20/15 11:25	10/20/15 19:41	1
Barium	**0.034**		0.0020	0.00070	mg/L		10/20/15 11:25	10/20/15 19:41	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 11:25	10/20/15 19:41	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 11:25	10/20/15 19:41	1
Calcium	**141**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 19:41	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 11:25	10/20/15 19:41	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 11:25	10/20/15 19:41	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 11:25	10/20/15 19:41	1
Iron	**0.25**		0.050	0.019	mg/L		10/20/15 11:25	10/20/15 19:41	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 11:25	10/20/15 19:41	1
Magnesium	**0.84**		0.20	0.043	mg/L		10/20/15 11:25	10/20/15 19:41	1
Manganese	**0.0060**		0.0030	0.00040	mg/L		10/20/15 11:25	10/20/15 19:41	1
Nickel	**0.0055**	**J**	0.010	0.0013	mg/L		10/20/15 11:25	10/20/15 19:41	1
Potassium	**447**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 19:41	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 11:25	10/20/15 19:41	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 11:25	10/20/15 19:41	1
Sodium	**48.5**		1.0	0.32	mg/L		10/20/15 11:25	10/20/15 19:41	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 11:25	10/20/15 19:41	1
Vanadium	**0.0023**	**J**	0.0050	0.0015	mg/L		10/20/15 11:25	10/20/15 19:41	1
Zinc	ND		0.010	0.0015	mg/L		10/20/15 11:25	10/20/15 19:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.12**		0.010	0.0050	mg/L		10/28/15 07:15	10/28/15 14:24	1

Client Sample ID: TP-13-101915

Date Collected: 10/19/15 12:55
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/21/15 08:21	10/31/15 20:58	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		10/21/15 08:21	10/31/15 20:58	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/21/15 08:21	10/31/15 20:58	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/21/15 08:21	10/31/15 20:58	1
2,4-Dinitrophenol	ND	*	10	2.3	ug/L		10/21/15 08:21	10/31/15 20:58	1
2,4-Dinitrotoluene	ND		5.2	0.46	ug/L		10/21/15 08:21	10/31/15 20:58	1
2,6-Dinitrotoluene	ND		5.2	0.41	ug/L		10/21/15 08:21	10/31/15 20:58	1
2-Chloronaphthalene	ND		5.2	0.47	ug/L		10/21/15 08:21	10/31/15 20:58	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/21/15 08:21	10/31/15 20:58	1
2-Methylnaphthalene	ND		5.2	0.62	ug/L		10/21/15 08:21	10/31/15 20:58	1
2-Methylphenol	ND		5.2	0.41	ug/L		10/21/15 08:21	10/31/15 20:58	1
2-Nitroaniline	ND		10	0.43	ug/L		10/21/15 08:21	10/31/15 20:58	1
2-Nitrophenol	ND		5.2	0.50	ug/L		10/21/15 08:21	10/31/15 20:58	1
3,3'-Dichlorobenzidine	ND		5.2	0.41	ug/L		10/21/15 08:21	10/31/15 20:58	1
3-Nitroaniline	ND		10	0.50	ug/L		10/21/15 08:21	10/31/15 20:58	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		10/21/15 08:21	10/31/15 20:58	1
4-Bromophenyl phenyl ether	ND		5.2	0.46	ug/L		10/21/15 08:21	10/31/15 20:58	1
4-Chloro-3-methylphenol	ND		5.2	0.46	ug/L		10/21/15 08:21	10/31/15 20:58	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/21/15 08:21	10/31/15 20:58	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		10/21/15 08:21	10/31/15 20:58	1
4-Methylphenol	ND		10	0.37	ug/L		10/21/15 08:21	10/31/15 20:58	1
4-Nitroaniline	ND		10	0.26	ug/L		10/21/15 08:21	10/31/15 20:58	1
4-Nitrophenol	ND		10	1.6	ug/L		10/21/15 08:21	10/31/15 20:58	1
Acenaphthene	ND		5.2	0.42	ug/L		10/21/15 08:21	10/31/15 20:58	1
Acenaphthylene	ND		5.2	0.39	ug/L		10/21/15 08:21	10/31/15 20:58	1
Acetophenone	**0.80**	**J**	5.2	0.56	ug/L		10/21/15 08:21	10/31/15 20:58	1
Anthracene	ND		5.2	0.29	ug/L		10/21/15 08:21	10/31/15 20:58	1
Atrazine	ND		5.2	0.47	ug/L		10/21/15 08:21	10/31/15 20:58	1
Benzaldehyde	ND		5.2	0.28	ug/L		10/21/15 08:21	10/31/15 20:58	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		10/21/15 08:21	10/31/15 20:58	1
Benzo[a]pyrene	ND		5.2	0.48	ug/L		10/21/15 08:21	10/31/15 20:58	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/21/15 08:21	10/31/15 20:58	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		10/21/15 08:21	10/31/15 20:58	1
Benzo[k]fluoranthene	ND		5.2	0.75	ug/L		10/21/15 08:21	10/31/15 20:58	1
Biphenyl	ND		5.2	0.67	ug/L		10/21/15 08:21	10/31/15 20:58	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/21/15 08:21	10/31/15 20:58	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		10/21/15 08:21	10/31/15 20:58	1
Bis(2-chloroethyl)ether	ND		5.2	0.41	ug/L		10/21/15 08:21	10/31/15 20:58	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/21/15 08:21	10/31/15 20:58	1
Butyl benzyl phthalate	ND		5.2	0.43	ug/L		10/21/15 08:21	10/31/15 20:58	1
Caprolactam	ND		5.2	2.3	ug/L		10/21/15 08:21	10/31/15 20:58	1
Carbazole	ND		5.2	0.31	ug/L		10/21/15 08:21	10/31/15 20:58	1
Chrysene	ND		5.2	0.34	ug/L		10/21/15 08:21	10/31/15 20:58	1
Dibenz(a,h)anthracene	ND		5.2	0.43	ug/L		10/21/15 08:21	10/31/15 20:58	1
Dibenzofuran	ND		10	0.53	ug/L		10/21/15 08:21	10/31/15 20:58	1
Diethyl phthalate	ND		5.2	0.23	ug/L		10/21/15 08:21	10/31/15 20:58	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		10/21/15 08:21	10/31/15 20:58	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		10/21/15 08:21	10/31/15 20:58	1
Di-n-octyl phthalate	ND		5.2	0.48	ug/L		10/21/15 08:21	10/31/15 20:58	1

Client Sample ID: TP-13-101915

Date Collected: 10/19/15 12:55
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.41	ug/L		10/21/15 08:21	10/31/15 20:58	1
Fluorene	ND		5.2	0.37	ug/L		10/21/15 08:21	10/31/15 20:58	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/21/15 08:21	10/31/15 20:58	1
Hexachlorobutadiene	ND		5.2	0.70	ug/L		10/21/15 08:21	10/31/15 20:58	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/21/15 08:21	10/31/15 20:58	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/21/15 08:21	10/31/15 20:58	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.48	ug/L		10/21/15 08:21	10/31/15 20:58	1
Isophorone	ND		5.2	0.44	ug/L		10/21/15 08:21	10/31/15 20:58	1
Naphthalene	ND		5.2	0.78	ug/L		10/21/15 08:21	10/31/15 20:58	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/21/15 08:21	10/31/15 20:58	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/21/15 08:21	10/31/15 20:58	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/21/15 08:21	10/31/15 20:58	1
Pentachlorophenol	ND		10	2.3	ug/L		10/21/15 08:21	10/31/15 20:58	1
Phenanthrene	ND		5.2	0.45	ug/L		10/21/15 08:21	10/31/15 20:58	1
Phenol	ND		5.2	0.40	ug/L		10/21/15 08:21	10/31/15 20:58	1
Pyrene	ND		5.2	0.35	ug/L		10/21/15 08:21	10/31/15 20:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.6*	*T J*	*ug/L*		*3.40*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Cyclohexane	*20*	*T J N*	*ug/L*		*3.63*	*110-82-7*	*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*37*	*T J*	*ug/L*		*3.80*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Cyclotetrasiloxane, octamethyl-	*6.7*	*T J N*	*ug/L*		*6.50*	*556-67-2*	*10/21/15 08:21*	*10/31/15 20:58*	*1*
Cyclopentasiloxane, decamethyl-	*4.3*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*7.83*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*9.77*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*11*	*T J*	*ug/L*		*10.80*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
n-Hexadecanoic acid	*4.9*	*T J N*	*ug/L*		*11.09*	*57-10-3*	*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*36*	*T J*	*ug/L*		*11.77*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*16*	*T J*	*ug/L*		*12.40*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*28*	*T J*	*ug/L*		*12.85*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*8.4*	*T J*	*ug/L*		*13.31*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*27*	*T J*	*ug/L*		*13.64*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*25*	*T J*	*ug/L*		*14.15*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*14.69*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*32*	*T J*	*ug/L*		*15.07*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*7.9*	*T J*	*ug/L*		*16.23*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*8.1*	*T J*	*ug/L*		*16.63*		*10/21/15 08:21*	*10/31/15 20:58*	*1*
Unknown	*15*	*T J*	*ug/L*		*16.66*		*10/21/15 08:21*	*10/31/15 20:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*52 - 132*	*10/21/15 08:21*	*10/31/15 20:58*	*1*
2-Fluorobiphenyl	*73*		*48 - 120*	*10/21/15 08:21*	*10/31/15 20:58*	*1*
2-Fluorophenol (Surr)	*54*		*20 - 120*	*10/21/15 08:21*	*10/31/15 20:58*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 120*	*10/21/15 08:21*	*10/31/15 20:58*	*1*
Phenol-d5 (Surr)	*35*		*16 - 120*	*10/21/15 08:21*	*10/31/15 20:58*	*1*
p-Terphenyl-d14 (Surr)	*78*		*67 - 150*	*10/21/15 08:21*	*10/31/15 20:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.3**		0.20	0.060	mg/L		10/20/15 11:25	10/20/15 19:45	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-13-101915
Date Collected: 10/19/15 12:55
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/20/15 11:25	10/20/15 19:45	1
Arsenic	**0.027**		0.015	0.0056	mg/L		10/20/15 11:25	10/20/15 19:45	1
Barium	**0.054**		0.0020	0.00070	mg/L		10/20/15 11:25	10/20/15 19:45	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 11:25	10/20/15 19:45	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 11:25	10/20/15 19:45	1
Calcium	**103**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 19:45	1
Chromium	**0.0021**	**J**	0.0040	0.0010	mg/L		10/20/15 11:25	10/20/15 19:45	1
Cobalt	**0.0016**	**J**	0.0040	0.00063	mg/L		10/20/15 11:25	10/20/15 19:45	1
Copper	**0.0027**	**J**	0.010	0.0016	mg/L		10/20/15 11:25	10/20/15 19:45	1
Iron	**1.3**		0.050	0.019	mg/L		10/20/15 11:25	10/20/15 19:45	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 11:25	10/20/15 19:45	1
Magnesium	**6.5**		0.20	0.043	mg/L		10/20/15 11:25	10/20/15 19:45	1
Manganese	**0.031**		0.0030	0.00040	mg/L		10/20/15 11:25	10/20/15 19:45	1
Nickel	**0.0064**	**J**	0.010	0.0013	mg/L		10/20/15 11:25	10/20/15 19:45	1
Potassium	**9.2**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 19:45	1
Selenium	**0.011**	**J**	0.025	0.0087	mg/L		10/20/15 11:25	10/20/15 19:45	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 11:25	10/20/15 19:45	1
Sodium	**100**		1.0	0.32	mg/L		10/20/15 11:25	10/20/15 19:45	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 11:25	10/20/15 19:45	1
Vanadium	**0.020**		0.0050	0.0015	mg/L		10/20/15 11:25	10/20/15 19:45	1
Zinc	**0.0056**	**J B**	0.010	0.0015	mg/L		10/20/15 11:25	10/20/15 19:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.011**		0.010	0.0050	mg/L		10/26/15 14:02	10/27/15 11:46	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-13-F-101915
Date Collected: 10/19/15 13:05
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/21/15 08:21	10/31/15 21:27	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		10/21/15 08:21	10/31/15 21:27	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/21/15 08:21	10/31/15 21:27	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/21/15 08:21	10/31/15 21:27	1
2,4-Dinitrophenol	ND	*	10	2.3	ug/L		10/21/15 08:21	10/31/15 21:27	1
2,4-Dinitrotoluene	ND		5.2	0.46	ug/L		10/21/15 08:21	10/31/15 21:27	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		10/21/15 08:21	10/31/15 21:27	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		10/21/15 08:21	10/31/15 21:27	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/21/15 08:21	10/31/15 21:27	1
2-Methylnaphthalene	ND		5.2	0.62	ug/L		10/21/15 08:21	10/31/15 21:27	1
2-Methylphenol	ND		5.2	0.42	ug/L		10/21/15 08:21	10/31/15 21:27	1
2-Nitroaniline	ND		10	0.44	ug/L		10/21/15 08:21	10/31/15 21:27	1
2-Nitrophenol	ND		5.2	0.50	ug/L		10/21/15 08:21	10/31/15 21:27	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		10/21/15 08:21	10/31/15 21:27	1
3-Nitroaniline	ND		10	0.50	ug/L		10/21/15 08:21	10/31/15 21:27	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.3	ug/L		10/21/15 08:21	10/31/15 21:27	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		10/21/15 08:21	10/31/15 21:27	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		10/21/15 08:21	10/31/15 21:27	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/21/15 08:21	10/31/15 21:27	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		10/21/15 08:21	10/31/15 21:27	1
4-Methylphenol	**0.42**	**J**	10	0.37	ug/L		10/21/15 08:21	10/31/15 21:27	1
4-Nitroaniline	ND		10	0.26	ug/L		10/21/15 08:21	10/31/15 21:27	1
4-Nitrophenol	ND		10	1.6	ug/L		10/21/15 08:21	10/31/15 21:27	1
Acenaphthene	ND		5.2	0.43	ug/L		10/21/15 08:21	10/31/15 21:27	1
Acenaphthylene	ND		5.2	0.39	ug/L		10/21/15 08:21	10/31/15 21:27	1
Acetophenone	**0.96**	**J**	5.2	0.56	ug/L		10/21/15 08:21	10/31/15 21:27	1
Anthracene	ND		5.2	0.29	ug/L		10/21/15 08:21	10/31/15 21:27	1
Atrazine	ND		5.2	0.48	ug/L		10/21/15 08:21	10/31/15 21:27	1
Benzaldehyde	**1.7**	**J B**	5.2	0.28	ug/L		10/21/15 08:21	10/31/15 21:27	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		10/21/15 08:21	10/31/15 21:27	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		10/21/15 08:21	10/31/15 21:27	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/21/15 08:21	10/31/15 21:27	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		10/21/15 08:21	10/31/15 21:27	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		10/21/15 08:21	10/31/15 21:27	1
Biphenyl	ND		5.2	0.68	ug/L		10/21/15 08:21	10/31/15 21:27	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/21/15 08:21	10/31/15 21:27	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		10/21/15 08:21	10/31/15 21:27	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		10/21/15 08:21	10/31/15 21:27	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/21/15 08:21	10/31/15 21:27	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		10/21/15 08:21	10/31/15 21:27	1
Caprolactam	ND		5.2	2.3	ug/L		10/21/15 08:21	10/31/15 21:27	1
Carbazole	ND		5.2	0.31	ug/L		10/21/15 08:21	10/31/15 21:27	1
Chrysene	ND		5.2	0.34	ug/L		10/21/15 08:21	10/31/15 21:27	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		10/21/15 08:21	10/31/15 21:27	1
Dibenzofuran	ND		10	0.53	ug/L		10/21/15 08:21	10/31/15 21:27	1
Diethyl phthalate	ND		5.2	0.23	ug/L		10/21/15 08:21	10/31/15 21:27	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		10/21/15 08:21	10/31/15 21:27	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		10/21/15 08:21	10/31/15 21:27	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		10/21/15 08:21	10/31/15 21:27	1

Client Sample ID: TP-13-F-101915

Date Collected: 10/19/15 13:05
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		10/21/15 08:21	10/31/15 21:27	1
Fluorene	ND		5.2	0.37	ug/L		10/21/15 08:21	10/31/15 21:27	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/21/15 08:21	10/31/15 21:27	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		10/21/15 08:21	10/31/15 21:27	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/21/15 08:21	10/31/15 21:27	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/21/15 08:21	10/31/15 21:27	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		10/21/15 08:21	10/31/15 21:27	1
Isophorone	ND		5.2	0.45	ug/L		10/21/15 08:21	10/31/15 21:27	1
Naphthalene	ND		5.2	0.79	ug/L		10/21/15 08:21	10/31/15 21:27	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/21/15 08:21	10/31/15 21:27	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/21/15 08:21	10/31/15 21:27	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/21/15 08:21	10/31/15 21:27	1
Pentachlorophenol	ND		10	2.3	ug/L		10/21/15 08:21	10/31/15 21:27	1
Phenanthrene	ND		5.2	0.46	ug/L		10/21/15 08:21	10/31/15 21:27	1
Phenol	ND		5.2	0.40	ug/L		10/21/15 08:21	10/31/15 21:27	1
Pyrene	ND		5.2	0.35	ug/L		10/21/15 08:21	10/31/15 21:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*25*	*T J N*	*ug/L*		*3.63*	*110-82-7*	*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*42*	*T J*	*ug/L*		*3.80*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*7.4*	*T J*	*ug/L*		*7.69*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*7.83*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*6.2*	*T J*	*ug/L*		*8.19*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*4.1*	*T J*	*ug/L*		*8.67*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Benzaldehyde, 3-hydroxy-4-methoxy-	*6.8*	*T J N*	*ug/L*		*8.97*	*621-59-0*	*10/21/15 08:21*	*10/31/15 21:27*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*6.5*	*T J N*	*ug/L*		*9.40*	*96-76-4*	*10/21/15 08:21*	*10/31/15 21:27*	*1*
Diphenyl sulfone	*5.1*	*T J N*	*ug/L*		*11.20*	*127-63-9*	*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*11.36*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*44*	*T J*	*ug/L*		*11.77*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Tetradecanoic acid	*6.4*	*T J N*	*ug/L*		*11.84*	*544-63-8*	*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*21*	*T J*	*ug/L*		*12.40*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*33*	*T J*	*ug/L*		*12.85*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*9.6*	*T J*	*ug/L*		*13.30*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*32*	*T J*	*ug/L*		*13.64*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*10*	*T J*	*ug/L*		*14.11*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*6.8*	*T J*	*ug/L*		*14.69*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*38*	*T J*	*ug/L*		*15.07*		*10/21/15 08:21*	*10/31/15 21:27*	*1*
Unknown	*7.1*	*T J*	*ug/L*		*16.62*		*10/21/15 08:21*	*10/31/15 21:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*52 - 132*	*10/21/15 08:21*	*10/31/15 21:27*	*1*
2-Fluorobiphenyl	*76*		*48 - 120*	*10/21/15 08:21*	*10/31/15 21:27*	*1*
2-Fluorophenol (Surr)	*60*		*20 - 120*	*10/21/15 08:21*	*10/31/15 21:27*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*10/21/15 08:21*	*10/31/15 21:27*	*1*
Phenol-d5 (Surr)	*37*		*16 - 120*	*10/21/15 08:21*	*10/31/15 21:27*	*1*
p-Terphenyl-d14 (Surr)	*77*		*67 - 150*	*10/21/15 08:21*	*10/31/15 21:27*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.10**	**J**	0.20	0.060	mg/L		10/20/15 11:25	10/20/15 19:57	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-13-F-101915
Date Collected: 10/19/15 13:05
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/20/15 11:25	10/20/15 19:57	1
Arsenic	**0.023**		0.015	0.0056	mg/L		10/20/15 11:25	10/20/15 19:57	1
Barium	**0.051**		0.0020	0.00070	mg/L		10/20/15 11:25	10/20/15 19:57	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 11:25	10/20/15 19:57	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 11:25	10/20/15 19:57	1
Calcium	**108**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 19:57	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 11:25	10/20/15 19:57	1
Cobalt	**0.00087**	**J**	0.0040	0.00063	mg/L		10/20/15 11:25	10/20/15 19:57	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 11:25	10/20/15 19:57	1
Iron	ND		0.050	0.019	mg/L		10/20/15 11:25	10/20/15 19:57	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 11:25	10/20/15 19:57	1
Magnesium	**8.2**		0.20	0.043	mg/L		10/20/15 11:25	10/20/15 19:57	1
Manganese	**0.013**		0.0030	0.00040	mg/L		10/20/15 11:25	10/20/15 19:57	1
Nickel	**0.0039**	**J**	0.010	0.0013	mg/L		10/20/15 11:25	10/20/15 19:57	1
Potassium	**6.7**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 19:57	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 11:25	10/20/15 19:57	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 11:25	10/20/15 19:57	1
Sodium	**89.1**		1.0	0.32	mg/L		10/20/15 11:25	10/20/15 19:57	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 11:25	10/20/15 19:57	1
Vanadium	**0.014**		0.0050	0.0015	mg/L		10/20/15 11:25	10/20/15 19:57	1
Zinc	ND		0.010	0.0015	mg/L		10/20/15 11:25	10/20/15 19:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.0077**	**J**	0.010	0.0050	mg/L		10/26/15 14:02	10/27/15 11:47	1

Client Sample ID: TP-15-101915

Date Collected: 10/19/15 15:45
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.5	0.53	ug/L		10/21/15 08:21	10/31/15 21:56	1
2,4,6-Trichlorophenol	ND		5.5	0.67	ug/L		10/21/15 08:21	10/31/15 21:56	1
2,4-Dichlorophenol	ND		5.5	0.56	ug/L		10/21/15 08:21	10/31/15 21:56	1
2,4-Dimethylphenol	ND		5.5	0.55	ug/L		10/21/15 08:21	10/31/15 21:56	1
2,4-Dinitrophenol	ND	*	11	2.4	ug/L		10/21/15 08:21	10/31/15 21:56	1
2,4-Dinitrotoluene	**5.8**		5.5	0.49	ug/L		10/21/15 08:21	10/31/15 21:56	1
2,6-Dinitrotoluene	ND		5.5	0.44	ug/L		10/21/15 08:21	10/31/15 21:56	1
2-Chloronaphthalene	ND		5.5	0.51	ug/L		10/21/15 08:21	10/31/15 21:56	1
2-Chlorophenol	ND		5.5	0.58	ug/L		10/21/15 08:21	10/31/15 21:56	1
2-Methylnaphthalene	ND		5.5	0.66	ug/L		10/21/15 08:21	10/31/15 21:56	1
2-Methylphenol	**0.50**	**J**	5.5	0.44	ug/L		10/21/15 08:21	10/31/15 21:56	1
2-Nitroaniline	ND		11	0.46	ug/L		10/21/15 08:21	10/31/15 21:56	1
2-Nitrophenol	ND		5.5	0.53	ug/L		10/21/15 08:21	10/31/15 21:56	1
3,3'-Dichlorobenzidine	ND		5.5	0.44	ug/L		10/21/15 08:21	10/31/15 21:56	1
3-Nitroaniline	ND		11	0.53	ug/L		10/21/15 08:21	10/31/15 21:56	1
4,6-Dinitro-2-methylphenol	ND	*	11	2.4	ug/L		10/21/15 08:21	10/31/15 21:56	1
4-Bromophenyl phenyl ether	ND		5.5	0.50	ug/L		10/21/15 08:21	10/31/15 21:56	1
4-Chloro-3-methylphenol	ND		5.5	0.50	ug/L		10/21/15 08:21	10/31/15 21:56	1
4-Chloroaniline	ND		5.5	0.65	ug/L		10/21/15 08:21	10/31/15 21:56	1
4-Chlorophenyl phenyl ether	ND		5.5	0.39	ug/L		10/21/15 08:21	10/31/15 21:56	1
4-Methylphenol	**1.0**	**J**	11	0.40	ug/L		10/21/15 08:21	10/31/15 21:56	1
4-Nitroaniline	ND		11	0.28	ug/L		10/21/15 08:21	10/31/15 21:56	1
4-Nitrophenol	ND		11	1.7	ug/L		10/21/15 08:21	10/31/15 21:56	1
Acenaphthene	ND		5.5	0.45	ug/L		10/21/15 08:21	10/31/15 21:56	1
Acenaphthylene	ND		5.5	0.42	ug/L		10/21/15 08:21	10/31/15 21:56	1
Acetophenone	ND		5.5	0.60	ug/L		10/21/15 08:21	10/31/15 21:56	1
Anthracene	ND		5.5	0.31	ug/L		10/21/15 08:21	10/31/15 21:56	1
Atrazine	ND		5.5	0.51	ug/L		10/21/15 08:21	10/31/15 21:56	1
Benzaldehyde	**1.3**	**J B**	5.5	0.29	ug/L		10/21/15 08:21	10/31/15 21:56	1
Benzo[a]anthracene	ND		5.5	0.40	ug/L		10/21/15 08:21	10/31/15 21:56	1
Benzo[a]pyrene	ND		5.5	0.52	ug/L		10/21/15 08:21	10/31/15 21:56	1
Benzo[b]fluoranthene	ND		5.5	0.37	ug/L		10/21/15 08:21	10/31/15 21:56	1
Benzo[g,h,i]perylene	ND		5.5	0.39	ug/L		10/21/15 08:21	10/31/15 21:56	1
Benzo[k]fluoranthene	ND		5.5	0.81	ug/L		10/21/15 08:21	10/31/15 21:56	1
Biphenyl	ND		5.5	0.72	ug/L		10/21/15 08:21	10/31/15 21:56	1
bis (2-chloroisopropyl) ether	ND		5.5	0.57	ug/L		10/21/15 08:21	10/31/15 21:56	1
Bis(2-chloroethoxy)methane	ND		5.5	0.39	ug/L		10/21/15 08:21	10/31/15 21:56	1
Bis(2-chloroethyl)ether	ND		5.5	0.44	ug/L		10/21/15 08:21	10/31/15 21:56	1
Bis(2-ethylhexyl) phthalate	ND		5.5	2.0	ug/L		10/21/15 08:21	10/31/15 21:56	1
Butyl benzyl phthalate	ND		5.5	0.46	ug/L		10/21/15 08:21	10/31/15 21:56	1
Caprolactam	ND		5.5	2.4	ug/L		10/21/15 08:21	10/31/15 21:56	1
Carbazole	ND		5.5	0.33	ug/L		10/21/15 08:21	10/31/15 21:56	1
Chrysene	ND		5.5	0.36	ug/L		10/21/15 08:21	10/31/15 21:56	1
Dibenz(a,h)anthracene	ND		5.5	0.46	ug/L		10/21/15 08:21	10/31/15 21:56	1
Dibenzofuran	ND		11	0.56	ug/L		10/21/15 08:21	10/31/15 21:56	1
Diethyl phthalate	ND		5.5	0.24	ug/L		10/21/15 08:21	10/31/15 21:56	1
Dimethyl phthalate	ND		5.5	0.40	ug/L		10/21/15 08:21	10/31/15 21:56	1
Di-n-butyl phthalate	ND		5.5	0.34	ug/L		10/21/15 08:21	10/31/15 21:56	1
Di-n-octyl phthalate	ND		5.5	0.52	ug/L		10/21/15 08:21	10/31/15 21:56	1

Client Sample ID: TP-15-101915

Date Collected: 10/19/15 15:45
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.5	0.44	ug/L		10/21/15 08:21	10/31/15 21:56	1
Fluorene	ND		5.5	0.40	ug/L		10/21/15 08:21	10/31/15 21:56	1
Hexachlorobenzene	ND		5.5	0.56	ug/L		10/21/15 08:21	10/31/15 21:56	1
Hexachlorobutadiene	ND		5.5	0.75	ug/L		10/21/15 08:21	10/31/15 21:56	1
Hexachlorocyclopentadiene	ND		5.5	0.65	ug/L		10/21/15 08:21	10/31/15 21:56	1
Hexachloroethane	ND		5.5	0.65	ug/L		10/21/15 08:21	10/31/15 21:56	1
Indeno[1,2,3-cd]pyrene	ND		5.5	0.52	ug/L		10/21/15 08:21	10/31/15 21:56	1
Isophorone	ND		5.5	0.47	ug/L		10/21/15 08:21	10/31/15 21:56	1
Naphthalene	ND		5.5	0.84	ug/L		10/21/15 08:21	10/31/15 21:56	1
Nitrobenzene	ND		5.5	0.32	ug/L		10/21/15 08:21	10/31/15 21:56	1
N-Nitrosodi-n-propylamine	**7.6**		5.5	0.60	ug/L		10/21/15 08:21	10/31/15 21:56	1
N-Nitrosodiphenylamine	ND		5.5	0.56	ug/L		10/21/15 08:21	10/31/15 21:56	1
Pentachlorophenol	**2.8**	**J**	11	2.4	ug/L		10/21/15 08:21	10/31/15 21:56	1
Phenanthrene	ND		5.5	0.49	ug/L		10/21/15 08:21	10/31/15 21:56	1
Phenol	ND		5.5	0.43	ug/L		10/21/15 08:21	10/31/15 21:56	1
Pyrene	ND		5.5	0.37	ug/L		10/21/15 08:21	10/31/15 21:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*7.7*	*T J*	*ug/L*		*3.40*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Cyclohexane	*10*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*85*	*T J*	*ug/L*		*3.79*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*19*	*T J*	*ug/L*		*5.49*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*4.4*	*T J*	*ug/L*		*6.71*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*8.8*	*T J*	*ug/L*		*10.79*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
n-Hexadecanoic acid	*5.5*	*T J N*	*ug/L*		*11.09*	*57-10-3*	*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*60*	*T J*	*ug/L*		*11.77*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*12.12*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*23*	*T J*	*ug/L*		*12.40*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*4.4*	*T J*	*ug/L*		*12.76*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*12*	*T J*	*ug/L*		*13.30*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*44*	*T J*	*ug/L*		*13.64*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Eicosane, 9-octyl-	*4.4*	*T J N*	*ug/L*		*14.30*	*13475-77-9*	*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*9.4*	*T J*	*ug/L*		*14.69*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*14.84*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*38*	*T J*	*ug/L*		*15.07*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*8.9*	*T J*	*ug/L*		*15.55*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*15*	*T J*	*ug/L*		*16.23*		*10/21/15 08:21*	*10/31/15 21:56*	*1*
Unknown	*12*	*T J*	*ug/L*		*16.63*		*10/21/15 08:21*	*10/31/15 21:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*52 - 132*	*10/21/15 08:21*	*10/31/15 21:56*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*10/21/15 08:21*	*10/31/15 21:56*	*1*
2-Fluorophenol (Surr)	*60*		*20 - 120*	*10/21/15 08:21*	*10/31/15 21:56*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 120*	*10/21/15 08:21*	*10/31/15 21:56*	*1*
Phenol-d5 (Surr)	*44*		*16 - 120*	*10/21/15 08:21*	*10/31/15 21:56*	*1*
p-Terphenyl-d14 (Surr)	*96*		*67 - 150*	*10/21/15 08:21*	*10/31/15 21:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.76**		0.20	0.060	mg/L		10/20/15 11:25	10/20/15 20:00	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-15-101915
Date Collected: 10/19/15 15:45
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-6
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/20/15 11:25	10/20/15 20:00	1
Arsenic	**0.0077**	**J**	0.015	0.0056	mg/L		10/20/15 11:25	10/20/15 20:00	1
Barium	**0.053**		0.0020	0.00070	mg/L		10/20/15 11:25	10/20/15 20:00	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 11:25	10/20/15 20:00	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 11:25	10/20/15 20:00	1
Calcium	**206**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 20:00	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 11:25	10/20/15 20:00	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 11:25	10/20/15 20:00	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 11:25	10/20/15 20:00	1
Iron	**0.38**		0.050	0.019	mg/L		10/20/15 11:25	10/20/15 20:00	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 11:25	10/20/15 20:00	1
Magnesium	**0.36**		0.20	0.043	mg/L		10/20/15 11:25	10/20/15 20:00	1
Manganese	**0.018**		0.0030	0.00040	mg/L		10/20/15 11:25	10/20/15 20:00	1
Nickel	ND		0.010	0.0013	mg/L		10/20/15 11:25	10/20/15 20:00	1
Potassium	**26.8**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 20:00	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 11:25	10/20/15 20:00	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 11:25	10/20/15 20:00	1
Sodium	**28.0**		1.0	0.32	mg/L		10/20/15 11:25	10/20/15 20:00	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 11:25	10/20/15 20:00	1
Vanadium	**0.0034**	**J**	0.0050	0.0015	mg/L		10/20/15 11:25	10/20/15 20:00	1
Zinc	ND		0.010	0.0015	mg/L		10/20/15 11:25	10/20/15 20:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.020**		0.010	0.0050	mg/L		10/26/15 14:02	10/27/15 11:52	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-15-F-101915
Date Collected: 10/19/15 15:50
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		10/21/15 08:21	10/31/15 22:25	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		10/21/15 08:21	10/31/15 22:25	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		10/21/15 08:21	10/31/15 22:25	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		10/21/15 08:21	10/31/15 22:25	1
2,4-Dinitrophenol	ND	*	9.8	2.2	ug/L		10/21/15 08:21	10/31/15 22:25	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		10/21/15 08:21	10/31/15 22:25	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		10/21/15 08:21	10/31/15 22:25	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		10/21/15 08:21	10/31/15 22:25	1
2-Chlorophenol	ND		4.9	0.52	ug/L		10/21/15 08:21	10/31/15 22:25	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		10/21/15 08:21	10/31/15 22:25	1
2-Methylphenol	ND		4.9	0.39	ug/L		10/21/15 08:21	10/31/15 22:25	1
2-Nitroaniline	ND		9.8	0.41	ug/L		10/21/15 08:21	10/31/15 22:25	1
2-Nitrophenol	ND		4.9	0.47	ug/L		10/21/15 08:21	10/31/15 22:25	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		10/21/15 08:21	10/31/15 22:25	1
3-Nitroaniline	ND		9.8	0.47	ug/L		10/21/15 08:21	10/31/15 22:25	1
4,6-Dinitro-2-methylphenol	ND	*	9.8	2.2	ug/L		10/21/15 08:21	10/31/15 22:25	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		10/21/15 08:21	10/31/15 22:25	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		10/21/15 08:21	10/31/15 22:25	1
4-Chloroaniline	ND		4.9	0.58	ug/L		10/21/15 08:21	10/31/15 22:25	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		10/21/15 08:21	10/31/15 22:25	1
4-Methylphenol	**0.88**	**J**	9.8	0.35	ug/L		10/21/15 08:21	10/31/15 22:25	1
4-Nitroaniline	ND		9.8	0.25	ug/L		10/21/15 08:21	10/31/15 22:25	1
4-Nitrophenol	ND		9.8	1.5	ug/L		10/21/15 08:21	10/31/15 22:25	1
Acenaphthene	ND		4.9	0.40	ug/L		10/21/15 08:21	10/31/15 22:25	1
Acenaphthylene	ND		4.9	0.37	ug/L		10/21/15 08:21	10/31/15 22:25	1
Acetophenone	ND		4.9	0.53	ug/L		10/21/15 08:21	10/31/15 22:25	1
Anthracene	ND		4.9	0.28	ug/L		10/21/15 08:21	10/31/15 22:25	1
Atrazine	ND		4.9	0.45	ug/L		10/21/15 08:21	10/31/15 22:25	1
Benzaldehyde	**1.2**	**J B**	4.9	0.26	ug/L		10/21/15 08:21	10/31/15 22:25	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		10/21/15 08:21	10/31/15 22:25	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		10/21/15 08:21	10/31/15 22:25	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		10/21/15 08:21	10/31/15 22:25	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		10/21/15 08:21	10/31/15 22:25	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		10/21/15 08:21	10/31/15 22:25	1
Biphenyl	ND		4.9	0.64	ug/L		10/21/15 08:21	10/31/15 22:25	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		10/21/15 08:21	10/31/15 22:25	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		10/21/15 08:21	10/31/15 22:25	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		10/21/15 08:21	10/31/15 22:25	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		10/21/15 08:21	10/31/15 22:25	1
Butyl benzyl phthalate	**0.49**	**J**	4.9	0.41	ug/L		10/21/15 08:21	10/31/15 22:25	1
Caprolactam	ND		4.9	2.2	ug/L		10/21/15 08:21	10/31/15 22:25	1
Carbazole	ND		4.9	0.30	ug/L		10/21/15 08:21	10/31/15 22:25	1
Chrysene	ND		4.9	0.32	ug/L		10/21/15 08:21	10/31/15 22:25	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		10/21/15 08:21	10/31/15 22:25	1
Dibenzofuran	ND		9.8	0.50	ug/L		10/21/15 08:21	10/31/15 22:25	1
Diethyl phthalate	ND		4.9	0.22	ug/L		10/21/15 08:21	10/31/15 22:25	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		10/21/15 08:21	10/31/15 22:25	1
Di-n-butyl phthalate	ND		4.9	0.30	ug/L		10/21/15 08:21	10/31/15 22:25	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		10/21/15 08:21	10/31/15 22:25	1

Client Sample ID: TP-15-F-101915

Date Collected: 10/19/15 15:50
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-7

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		10/21/15 08:21	10/31/15 22:25	1
Fluorene	ND		4.9	0.35	ug/L		10/21/15 08:21	10/31/15 22:25	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		10/21/15 08:21	10/31/15 22:25	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		10/21/15 08:21	10/31/15 22:25	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		10/21/15 08:21	10/31/15 22:25	1
Hexachloroethane	ND		4.9	0.58	ug/L		10/21/15 08:21	10/31/15 22:25	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		10/21/15 08:21	10/31/15 22:25	1
Isophorone	ND		4.9	0.42	ug/L		10/21/15 08:21	10/31/15 22:25	1
Naphthalene	ND		4.9	0.75	ug/L		10/21/15 08:21	10/31/15 22:25	1
Nitrobenzene	ND		4.9	0.29	ug/L		10/21/15 08:21	10/31/15 22:25	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		10/21/15 08:21	10/31/15 22:25	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		10/21/15 08:21	10/31/15 22:25	1
Pentachlorophenol	ND		9.8	2.2	ug/L		10/21/15 08:21	10/31/15 22:25	1
Phenanthrene	ND		4.9	0.43	ug/L		10/21/15 08:21	10/31/15 22:25	1
Phenol	ND		4.9	0.38	ug/L		10/21/15 08:21	10/31/15 22:25	1
Pyrene	ND		4.9	0.33	ug/L		10/21/15 08:21	10/31/15 22:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*40*	*T J N*	*ug/L*		*3.63*	*110-82-7*	*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*86*	*T J*	*ug/L*		*3.80*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*5.5*	*T J*	*ug/L*		*4.90*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*8.4*	*T J*	*ug/L*		*5.49*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*9.0*	*T J N*	*ug/L*		*9.40*	*96-76-4*	*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*6.6*	*T J*	*ug/L*		*10.79*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
n-Hexadecanoic acid	*8.2*	*T J N*	*ug/L*		*11.09*	*57-10-3*	*10/21/15 08:21*	*10/31/15 22:25*	*1*
Diphenyl sulfone	*4.8*	*T J N*	*ug/L*		*11.20*	*127-63-9*	*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*41*	*T J*	*ug/L*		*11.77*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*19*	*T J*	*ug/L*		*12.40*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*35*	*T J*	*ug/L*		*12.85*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*11*	*T J*	*ug/L*		*13.30*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*34*	*T J*	*ug/L*		*13.64*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*13*	*T J*	*ug/L*		*14.11*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*14.69*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*13*	*T J*	*ug/L*		*15.04*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*26*	*T J*	*ug/L*		*15.07*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*5.8*	*T J*	*ug/L*		*15.56*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*8.6*	*T J*	*ug/L*		*16.23*		*10/21/15 08:21*	*10/31/15 22:25*	*1*
Unknown	*8.4*	*T J*	*ug/L*		*16.62*		*10/21/15 08:21*	*10/31/15 22:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*106*		*52 - 132*	*10/21/15 08:21*	*10/31/15 22:25*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*10/21/15 08:21*	*10/31/15 22:25*	*1*
2-Fluorophenol (Surr)	*62*		*20 - 120*	*10/21/15 08:21*	*10/31/15 22:25*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 120*	*10/21/15 08:21*	*10/31/15 22:25*	*1*
Phenol-d5 (Surr)	*39*		*16 - 120*	*10/21/15 08:21*	*10/31/15 22:25*	*1*
p-Terphenyl-d14 (Surr)	*98*		*67 - 150*	*10/21/15 08:21*	*10/31/15 22:25*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.69**		0.20	0.060	mg/L		10/20/15 11:25	10/20/15 20:04	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-15-F-101915
Date Collected: 10/19/15 15:50
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-7
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/20/15 11:25	10/20/15 20:04	1
Arsenic	**0.0092**	**J**	0.015	0.0056	mg/L		10/20/15 11:25	10/20/15 20:04	1
Barium	**0.055**		0.0020	0.00070	mg/L		10/20/15 11:25	10/20/15 20:04	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 11:25	10/20/15 20:04	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 11:25	10/20/15 20:04	1
Calcium	**208**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 20:04	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 11:25	10/20/15 20:04	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 11:25	10/20/15 20:04	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 11:25	10/20/15 20:04	1
Iron	**0.050**		0.050	0.019	mg/L		10/20/15 11:25	10/20/15 20:04	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 11:25	10/20/15 20:04	1
Magnesium	**0.18**	**J**	0.20	0.043	mg/L		10/20/15 11:25	10/20/15 20:04	1
Manganese	**0.0019**	**J**	0.0030	0.00040	mg/L		10/20/15 11:25	10/20/15 20:04	1
Nickel	ND		0.010	0.0013	mg/L		10/20/15 11:25	10/20/15 20:04	1
Potassium	**26.8**		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 20:04	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 11:25	10/20/15 20:04	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 11:25	10/20/15 20:04	1
Sodium	**27.8**		1.0	0.32	mg/L		10/20/15 11:25	10/20/15 20:04	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 11:25	10/20/15 20:04	1
Vanadium	**0.0025**	**J**	0.0050	0.0015	mg/L		10/20/15 11:25	10/20/15 20:04	1
Zinc	ND		0.010	0.0015	mg/L		10/20/15 11:25	10/20/15 20:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.0095**	**J**	0.010	0.0050	mg/L		10/26/15 14:02	10/27/15 11:53	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: FB-101915
Date Collected: 10/19/15 16:00
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/21/15 08:21	10/31/15 22:54	1
2,4,6-Trichlorophenol	ND		5.3	0.65	ug/L		10/21/15 08:21	10/31/15 22:54	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/21/15 08:21	10/31/15 22:54	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/21/15 08:21	10/31/15 22:54	1
2,4-Dinitrophenol	ND	*	11	2.4	ug/L		10/21/15 08:21	10/31/15 22:54	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		10/21/15 08:21	10/31/15 22:54	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		10/21/15 08:21	10/31/15 22:54	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		10/21/15 08:21	10/31/15 22:54	1
2-Chlorophenol	ND		5.3	0.56	ug/L		10/21/15 08:21	10/31/15 22:54	1
2-Methylnaphthalene	ND		5.3	0.64	ug/L		10/21/15 08:21	10/31/15 22:54	1
2-Methylphenol	ND		5.3	0.42	ug/L		10/21/15 08:21	10/31/15 22:54	1
2-Nitroaniline	ND		11	0.45	ug/L		10/21/15 08:21	10/31/15 22:54	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/21/15 08:21	10/31/15 22:54	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		10/21/15 08:21	10/31/15 22:54	1
3-Nitroaniline	ND		11	0.51	ug/L		10/21/15 08:21	10/31/15 22:54	1
4,6-Dinitro-2-methylphenol	ND	*	11	2.3	ug/L		10/21/15 08:21	10/31/15 22:54	1
4-Bromophenyl phenyl ether	ND		5.3	0.48	ug/L		10/21/15 08:21	10/31/15 22:54	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		10/21/15 08:21	10/31/15 22:54	1
4-Chloroaniline	ND		5.3	0.63	ug/L		10/21/15 08:21	10/31/15 22:54	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/21/15 08:21	10/31/15 22:54	1
4-Methylphenol	ND		11	0.38	ug/L		10/21/15 08:21	10/31/15 22:54	1
4-Nitroaniline	ND		11	0.26	ug/L		10/21/15 08:21	10/31/15 22:54	1
4-Nitrophenol	ND		11	1.6	ug/L		10/21/15 08:21	10/31/15 22:54	1
Acenaphthene	ND		5.3	0.43	ug/L		10/21/15 08:21	10/31/15 22:54	1
Acenaphthylene	ND		5.3	0.40	ug/L		10/21/15 08:21	10/31/15 22:54	1
Acetophenone	ND		5.3	0.57	ug/L		10/21/15 08:21	10/31/15 22:54	1
Anthracene	ND		5.3	0.30	ug/L		10/21/15 08:21	10/31/15 22:54	1
Atrazine	ND		5.3	0.49	ug/L		10/21/15 08:21	10/31/15 22:54	1
Benzaldehyde	**1.6**	**J B**	5.3	0.28	ug/L		10/21/15 08:21	10/31/15 22:54	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/21/15 08:21	10/31/15 22:54	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/21/15 08:21	10/31/15 22:54	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/21/15 08:21	10/31/15 22:54	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/21/15 08:21	10/31/15 22:54	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		10/21/15 08:21	10/31/15 22:54	1
Biphenyl	ND		5.3	0.69	ug/L		10/21/15 08:21	10/31/15 22:54	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		10/21/15 08:21	10/31/15 22:54	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/21/15 08:21	10/31/15 22:54	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		10/21/15 08:21	10/31/15 22:54	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/21/15 08:21	10/31/15 22:54	1
Butyl benzyl phthalate	ND		5.3	0.45	ug/L		10/21/15 08:21	10/31/15 22:54	1
Caprolactam	ND		5.3	2.3	ug/L		10/21/15 08:21	10/31/15 22:54	1
Carbazole	ND		5.3	0.32	ug/L		10/21/15 08:21	10/31/15 22:54	1
Chrysene	ND		5.3	0.35	ug/L		10/21/15 08:21	10/31/15 22:54	1
Dibenz(a,h)anthracene	ND		5.3	0.45	ug/L		10/21/15 08:21	10/31/15 22:54	1
Dibenzofuran	ND		11	0.54	ug/L		10/21/15 08:21	10/31/15 22:54	1
Diethyl phthalate	ND		5.3	0.23	ug/L		10/21/15 08:21	10/31/15 22:54	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		10/21/15 08:21	10/31/15 22:54	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		10/21/15 08:21	10/31/15 22:54	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		10/21/15 08:21	10/31/15 22:54	1

Client Sample ID: FB-101915
Date Collected: 10/19/15 16:00
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.42	ug/L		10/21/15 08:21	10/31/15 22:54	1
Fluorene	ND		5.3	0.38	ug/L		10/21/15 08:21	10/31/15 22:54	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/21/15 08:21	10/31/15 22:54	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		10/21/15 08:21	10/31/15 22:54	1
Hexachlorocyclopentadiene	ND		5.3	0.63	ug/L		10/21/15 08:21	10/31/15 22:54	1
Hexachloroethane	ND		5.3	0.63	ug/L		10/21/15 08:21	10/31/15 22:54	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/21/15 08:21	10/31/15 22:54	1
Isophorone	ND		5.3	0.46	ug/L		10/21/15 08:21	10/31/15 22:54	1
Naphthalene	ND		5.3	0.81	ug/L		10/21/15 08:21	10/31/15 22:54	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/21/15 08:21	10/31/15 22:54	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		10/21/15 08:21	10/31/15 22:54	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/21/15 08:21	10/31/15 22:54	1
Pentachlorophenol	ND		11	2.3	ug/L		10/21/15 08:21	10/31/15 22:54	1
Phenanthrene	ND		5.3	0.47	ug/L		10/21/15 08:21	10/31/15 22:54	1
Phenol	ND		5.3	0.41	ug/L		10/21/15 08:21	10/31/15 22:54	1
Pyrene	ND		5.3	0.36	ug/L		10/21/15 08:21	10/31/15 22:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.5*	*T J*	*ug/L*		*3.15*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Cyclohexane	*48*	*T J N*	*ug/L*		*3.63*	*110-82-7*	*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*110*	*T J*	*ug/L*		*3.80*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*5.49*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Decane	*3.1*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/21/15 08:21*	*10/31/15 22:54*	*1*
n-Hexadecanoic acid	*6.5*	*T J N*	*ug/L*		*11.09*	*57-10-3*	*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*53*	*T J*	*ug/L*		*11.77*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*3.2*	*T J*	*ug/L*		*12.12*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*21*	*T J*	*ug/L*		*12.40*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*4.4*	*T J*	*ug/L*		*12.76*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*39*	*T J*	*ug/L*		*12.85*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*12*	*T J*	*ug/L*		*13.29*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*38*	*T J*	*ug/L*		*13.64*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*46*	*T J*	*ug/L*		*14.14*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*8.2*	*T J*	*ug/L*		*14.69*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
9-Octadecenamide, (Z)-	*25*	*T J N*	*ug/L*		*14.84*	*301-02-0*	*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*15*	*T J*	*ug/L*		*15.04*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*30*	*T J*	*ug/L*		*15.06*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*11*	*T J*	*ug/L*		*16.23*		*10/21/15 08:21*	*10/31/15 22:54*	*1*
Unknown	*6.2*	*T J*	*ug/L*		*16.62*		*10/21/15 08:21*	*10/31/15 22:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*52 - 132*	*10/21/15 08:21*	*10/31/15 22:54*	*1*
2-Fluorobiphenyl	*70*		*48 - 120*	*10/21/15 08:21*	*10/31/15 22:54*	*1*
2-Fluorophenol (Surr)	*77*		*20 - 120*	*10/21/15 08:21*	*10/31/15 22:54*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*10/21/15 08:21*	*10/31/15 22:54*	*1*
Phenol-d5 (Surr)	*57*		*16 - 120*	*10/21/15 08:21*	*10/31/15 22:54*	*1*
p-Terphenyl-d14 (Surr)	*95*		*67 - 150*	*10/21/15 08:21*	*10/31/15 22:54*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/20/15 11:25	10/20/15 20:07	1

Client Sample ID: FB-101915
Date Collected: 10/19/15 16:00
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-8
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/20/15 11:25	10/20/15 20:07	1
Arsenic	ND		0.015	0.0056	mg/L		10/20/15 11:25	10/20/15 20:07	1
Barium	ND		0.0020	0.00070	mg/L		10/20/15 11:25	10/20/15 20:07	1
Beryllium	ND		0.0020	0.00030	mg/L		10/20/15 11:25	10/20/15 20:07	1
Cadmium	ND		0.0020	0.00050	mg/L		10/20/15 11:25	10/20/15 20:07	1
Calcium	ND		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 20:07	1
Chromium	ND		0.0040	0.0010	mg/L		10/20/15 11:25	10/20/15 20:07	1
Cobalt	ND		0.0040	0.00063	mg/L		10/20/15 11:25	10/20/15 20:07	1
Copper	ND		0.010	0.0016	mg/L		10/20/15 11:25	10/20/15 20:07	1
Iron	ND		0.050	0.019	mg/L		10/20/15 11:25	10/20/15 20:07	1
Lead	ND		0.010	0.0030	mg/L		10/20/15 11:25	10/20/15 20:07	1
Magnesium	ND		0.20	0.043	mg/L		10/20/15 11:25	10/20/15 20:07	1
Manganese	ND		0.0030	0.00040	mg/L		10/20/15 11:25	10/20/15 20:07	1
Nickel	ND		0.010	0.0013	mg/L		10/20/15 11:25	10/20/15 20:07	1
Potassium	ND		0.50	0.10	mg/L		10/20/15 11:25	10/20/15 20:07	1
Selenium	ND		0.025	0.0087	mg/L		10/20/15 11:25	10/20/15 20:07	1
Silver	ND		0.0060	0.0017	mg/L		10/20/15 11:25	10/20/15 20:07	1
Sodium	**2.9**		1.0	0.32	mg/L		10/20/15 11:25	10/20/15 20:07	1
Thallium	ND		0.020	0.010	mg/L		10/20/15 11:25	10/20/15 20:07	1
Vanadium	ND		0.0050	0.0015	mg/L		10/20/15 11:25	10/20/15 20:07	1
Zinc	ND		0.010	0.0015	mg/L		10/20/15 11:25	10/20/15 20:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/26/15 14:02	10/27/15 11:54	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-11-101915

Lab Sample ID: 480-89389-1

Date Collected: 10/19/15 13:25

Matrix: Water

Date Received: 10/19/15 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270014	10/21/15 08:21	RMZ	TAL BUF
Total/NA	Analysis	8270D		2	272542	11/02/15 14:24	DMR	TAL BUF
Total/NA	Prep	3005A			269805	10/20/15 11:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	270033	10/20/15 19:35	AMH	TAL BUF
Total/NA	Prep	9012B			271526	10/28/15 07:15	LAW	TAL BUF
Total/NA	Analysis	9012B		1	271667	10/28/15 14:22	JJK	TAL BUF

Client Sample ID: TP-11-F-101915

Lab Sample ID: 480-89389-2

Date Collected: 10/19/15 13:35

Matrix: Water

Date Received: 10/19/15 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270014	10/21/15 08:21	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272360	10/31/15 20:00	DMR	TAL BUF
Total/NA	Prep	3005A			269805	10/20/15 11:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	270033	10/20/15 19:38	AMH	TAL BUF
Total/NA	Prep	9012B			271133	10/26/15 14:02	SER	TAL BUF
Total/NA	Analysis	9012B		1	271418	10/27/15 11:42	JJK	TAL BUF

Client Sample ID: TP-DUP-02-101915

Lab Sample ID: 480-89389-3

Date Collected: 10/19/15 13:35

Matrix: Water

Date Received: 10/19/15 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270014	10/21/15 08:21	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272360	10/31/15 20:29	DMR	TAL BUF
Total/NA	Prep	3005A			269805	10/20/15 11:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	270033	10/20/15 19:41	AMH	TAL BUF
Total/NA	Prep	9012B			271526	10/28/15 07:15	LAW	TAL BUF
Total/NA	Analysis	9012B		1	271667	10/28/15 14:24	JJK	TAL BUF

Client Sample ID: TP-13-101915

Lab Sample ID: 480-89389-4

Date Collected: 10/19/15 12:55

Matrix: Water

Date Received: 10/19/15 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270014	10/21/15 08:21	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272360	10/31/15 20:58	DMR	TAL BUF
Total/NA	Prep	3005A			269805	10/20/15 11:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	270033	10/20/15 19:45	AMH	TAL BUF
Total/NA	Prep	9012B			271133	10/26/15 14:02	SER	TAL BUF
Total/NA	Analysis	9012B		1	271418	10/27/15 11:46	JJK	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Client Sample ID: TP-13-F-101915
Date Collected: 10/19/15 13:05
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270014	10/21/15 08:21	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272360	10/31/15 21:27	DMR	TAL BUF
Total/NA	Prep	3005A			269805	10/20/15 11:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	270033	10/20/15 19:57	AMH	TAL BUF
Total/NA	Prep	9012B			271133	10/26/15 14:02	SER	TAL BUF
Total/NA	Analysis	9012B		1	271418	10/27/15 11:47	JJK	TAL BUF

Client Sample ID: TP-15-101915
Date Collected: 10/19/15 15:45
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270014	10/21/15 08:21	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272360	10/31/15 21:56	DMR	TAL BUF
Total/NA	Prep	3005A			269805	10/20/15 11:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	270033	10/20/15 20:00	AMH	TAL BUF
Total/NA	Prep	9012B			271133	10/26/15 14:02	SER	TAL BUF
Total/NA	Analysis	9012B		1	271418	10/27/15 11:52	JJK	TAL BUF

Client Sample ID: TP-15-F-101915
Date Collected: 10/19/15 15:50
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270014	10/21/15 08:21	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272360	10/31/15 22:25	DMR	TAL BUF
Total/NA	Prep	3005A			269805	10/20/15 11:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	270033	10/20/15 20:04	AMH	TAL BUF
Total/NA	Prep	9012B			271133	10/26/15 14:02	SER	TAL BUF
Total/NA	Analysis	9012B		1	271418	10/27/15 11:53	JJK	TAL BUF

Client Sample ID: FB-101915
Date Collected: 10/19/15 16:00
Date Received: 10/19/15 17:05

Lab Sample ID: 480-89389-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270014	10/21/15 08:21	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272360	10/31/15 22:54	DMR	TAL BUF
Total/NA	Prep	3005A			269805	10/20/15 11:25	CMM	TAL BUF
Total/NA	Analysis	6010C		1	270033	10/20/15 20:07	AMH	TAL BUF
Total/NA	Prep	9012B			271133	10/26/15 14:02	SER	TAL BUF
Total/NA	Analysis	9012B		1	271418	10/27/15 11:54	JJK	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89389-1	TP-11-101915	Water	10/19/15 13:25	10/19/15 17:05
480-89389-2	TP-11-F-101915	Water	10/19/15 13:35	10/19/15 17:05
480-89389-3	TP-DUP-02-101915	Water	10/19/15 13:35	10/19/15 17:05
480-89389-4	TP-13-101915	Water	10/19/15 12:55	10/19/15 17:05
480-89389-5	TP-13-F-101915	Water	10/19/15 13:05	10/19/15 17:05
480-89389-6	TP-15-101915	Water	10/19/15 15:45	10/19/15 17:05
480-89389-7	TP-15-F-101915	Water	10/19/15 15:50	10/19/15 17:05
480-89389-8	FB-101915	Water	10/19/15 16:00	10/19/15 17:05

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ Not ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy DiCuno	10/19/15	292037
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd.	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo Lakeside Commerce Park, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOC 8270D	TAL Met. 6010C	TOTAL CN 9012B
TP-11-101915	10/19/15	1325					2		1		1		X	X	X
TP-11-F-101915	10/19/15	1335					2		1		1		X	X	X
TP-DUP-02-101915	10/19/15	1335					2		1		1		X	X	X
TP-13-101915	10/19/15	1255					2		1		1		X	X	X
TP-13-F-101915	10/19/15	1305					2		1		1		X	X	X
TP-15-101915	10/19/15	1545					2		1		1		X	X	X
TP-15-F-101915	10/19/15	1550					2		1		1		X	X	X
FB-101915	10/19/15	1600					2		1		1		X	X	X

Special Instructions/ Receipt

480-89389 Chain of Custody

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: LIA ESTRADA	Date: 10/19/15	Time: 1631	1. Received By	Date: 10/19/15	Time: 1631
2. Relinquished By	Date: 10/19/15	Time: 17:05	2. Received By	Date: 10/19/15	Time: 1705
3. Relinquished By	Date:	Time:	3. Received By	Date:	Time:

Comments

4.4 °C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

11/3/2015

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-89389-1

Login Number: 89389 **List Source: TestAmerica Buffalo**
List Number: 1
Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CDM SMITH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89476-1
Client Project/Site: Buffalo Lakeside #915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Authorized for release by:
11/3/2015 11:52:06 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
11/3/2015 11:52:06 PM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-89476-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89476-1

Receipt
The samples were received on 10/20/2015 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.7º C and 5.2º C.

GC/MS Semi VOA
Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW-404-102015 (480-89476-3), MW-404-F-102015 (480-89476-4) and TP-09-102015 (480-89476-9). These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-271039 was outside the method criteria for the following analyte: Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-271039 recovered above the upper control limit for Benzo[g,h,i]perylene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: MW-405-102015 (480-89476-1), MW-405-F-102015 (480-89476-2), MW-404-102015 (480-89476-3), MW-404-F-102015 (480-89476-4), TP-08-102015 (480-89476-5), TP-08-F-102015 (480-89476-6), TP-08-F-102015 (480-89476-6[MS]), TP-08-F-102015 (480-89476-6[MSD]), TP-10-102015 (480-89476-7), TP-10-F-102015 (480-89476-8), TP-09-102015 (480-89476-9), TP-09-F-102015 (480-89476-10) and FB-102015 (480-89476-11).

Method(s) 8270D: The following samples were diluted due to color and viscosity: MW-405-102015 (480-89476-1), MW-405-F-102015 (480-89476-2), TP-10-102015 (480-89476-7), TP-10-F-102015 (480-89476-8) and TP-09-102015 (480-89476-9). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The continuing calibration verification (CCVIS) analyzed in analytical batch 270415 was outside the method criteria for the analytes Benzaldehyde and Benzo(g,h,i)perylene. The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria. (CCVIS 480-270415/4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The low level continuing calibration verification (CCVL 480-270316/23) for analytical batch 480-270316 contained Total Copper above the upper quality control limit. All reported samples associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (LCS 480-270046/2-A) and (MB 480-270046/1-A) was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-270316/29) for analytical batch 480-270316 contained Total Copper above the upper quality control limit. All reported samples associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples MW-405-102015 (480-89476-1), MW-405-F-102015 (480-89476-2), MW-404-102015 (480-89476-3), (LCS 480-270046/2-A) and (MB 480-270046/1-A) was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-270316/41) for analytical batch 480-270316 contained Total Copper above the upper quality control limit. All reported samples associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples MW-405-102015 (480-89476-1), MW-405-F-102015 (480-89476-2), MW-404-102015 (480-89476-3), MW-404-F-102015 (480-89476-4), TP-08-102015 (480-89476-5), TP-08-F-102015 (480-89476-6), TP-08-F-102015 (480-89476-6[MS]), TP-08-F-102015 (480-89476-6[MSD]), TP-10-102015 (480-89476-7), TP-10-F-102015 (480-89476-8), (480-89476-C-6-A PDS) and (480-89476-C-6-A SD ^) was not performed.

Job ID: 480-89476-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-270316/53) for analytical batch 480-270316 contained Total Copper above the upper quality control limit. All reported samples associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples MW-404-F-102015 (480-89476-4), TP-08-102015 (480-89476-5), TP-08-F-102015 (480-89476-6), TP-08-F-102015 (480-89476-6[MS]), TP-08-F-102015 (480-89476-6[MSD]), TP-10-102015 (480-89476-7), TP-10-F-102015 (480-89476-8), TP-09-102015 (480-89476-9), TP-09-F-102015 (480-89476-10), FB-102015 (480-89476-11), (480-89476-C-6-A PDS) and (480-89476-C-6-A SD ^) was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-270316/59) for analytical batch 480-270316 contained Total Copper above the upper quality control limit. All reported samples associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples TP-09-102015 (480-89476-9), TP-09-F-102015 (480-89476-10) and FB-102015 (480-89476-11) was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-270316/41) for analytical batch 480-270316 contained Total Potassium above the upper quality control limit. All reported samples associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples MW-404-102015 (480-89476-3), MW-404-F-102015 (480-89476-4), TP-08-102015 (480-89476-5), TP-08-F-102015 (480-89476-6), TP-08-F-102015 (480-89476-6[MS]), TP-08-F-102015 (480-89476-6[MSD]), (480-89476-C-6-A PDS) and (480-89476-C-6-A SD ^) was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-270316/53) for analytical batch 480-270316 contained Total Potassium above the upper quality control limit. All reported samples associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples MW-404-F-102015 (480-89476-4), TP-08-102015 (480-89476-5), TP-08-F-102015 (480-89476-6), TP-08-F-102015 (480-89476-6[MS]), TP-08-F-102015 (480-89476-6[MSD]), (480-89476-C-6-A PDS) and (480-89476-C-6-A SD ^) was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-270459/33) for analytical batch 480-270459 contained Total Potassium above the upper quality control limit. All reported samples associated with this CCVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples MW-405-102015 (480-89476-1), MW-405-F-102015 (480-89476-2), TP-10-102015 (480-89476-7), TP-10-F-102015 (480-89476-8), TP-09-102015 (480-89476-9) and TP-09-F-102015 (480-89476-10) was not performed.

Method(s) 6010C: The continuing calibration blank (CCB 480-270316/52) for analytical batch 480-270316 Total Potassium above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples MW-404-F-102015 (480-89476-4), TP-08-102015 (480-89476-5), TP-08-F-102015 (480-89476-6), TP-08-F-102015 (480-89476-6[MS]), TP-08-F-102015 (480-89476-6[MSD]), (480-89476-C-6-A PDS) and (480-89476-C-6-A SD ^) was not performed.

Method(s) 6010C: The recovery of Post Spike, (480-89476-C-6-A PDS), in batch 480-270046 exhibited results outside the quality control limits for Total Calcium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Method(s) 6010C: The following samples were diluted due to the presence of Silicon which interferes with Total Arsenic and Lead: MW-405-102015 (480-89476-1) and MW-405-F-102015 (480-89476-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: MW-405-102015
Date Collected: 10/20/15 08:40
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		27	2.6	ug/L		10/21/15 14:53	10/23/15 17:45	5
2,4,6-Trichlorophenol	ND		27	3.3	ug/L		10/21/15 14:53	10/23/15 17:45	5
2,4-Dichlorophenol	ND		27	2.8	ug/L		10/21/15 14:53	10/23/15 17:45	5
2,4-Dimethylphenol	ND		27	2.7	ug/L		10/21/15 14:53	10/23/15 17:45	5
2,4-Dinitrophenol	ND		54	12	ug/L		10/21/15 14:53	10/23/15 17:45	5
2,4-Dinitrotoluene	ND		27	2.4	ug/L		10/21/15 14:53	10/23/15 17:45	5
2,6-Dinitrotoluene	ND		27	2.2	ug/L		10/21/15 14:53	10/23/15 17:45	5
2-Chloronaphthalene	ND		27	2.5	ug/L		10/21/15 14:53	10/23/15 17:45	5
2-Chlorophenol	ND		27	2.9	ug/L		10/21/15 14:53	10/23/15 17:45	5
2-Methylnaphthalene	ND		27	3.3	ug/L		10/21/15 14:53	10/23/15 17:45	5
2-Methylphenol	ND		27	2.2	ug/L		10/21/15 14:53	10/23/15 17:45	5
2-Nitroaniline	ND		54	2.3	ug/L		10/21/15 14:53	10/23/15 17:45	5
2-Nitrophenol	ND		27	2.6	ug/L		10/21/15 14:53	10/23/15 17:45	5
3,3'-Dichlorobenzidine	ND		27	2.2	ug/L		10/21/15 14:53	10/23/15 17:45	5
3-Nitroaniline	ND		54	2.6	ug/L		10/21/15 14:53	10/23/15 17:45	5
4,6-Dinitro-2-methylphenol	ND		54	12	ug/L		10/21/15 14:53	10/23/15 17:45	5
4-Bromophenyl phenyl ether	ND		27	2.4	ug/L		10/21/15 14:53	10/23/15 17:45	5
4-Chloro-3-methylphenol	ND		27	2.4	ug/L		10/21/15 14:53	10/23/15 17:45	5
4-Chloroaniline	ND		27	3.2	ug/L		10/21/15 14:53	10/23/15 17:45	5
4-Chlorophenyl phenyl ether	ND		27	1.9	ug/L		10/21/15 14:53	10/23/15 17:45	5
4-Methylphenol	**4.2**	**J**	54	2.0	ug/L		10/21/15 14:53	10/23/15 17:45	5
4-Nitroaniline	ND		54	1.4	ug/L		10/21/15 14:53	10/23/15 17:45	5
4-Nitrophenol	ND		54	8.3	ug/L		10/21/15 14:53	10/23/15 17:45	5
Acenaphthene	ND		27	2.2	ug/L		10/21/15 14:53	10/23/15 17:45	5
Acenaphthylene	ND		27	2.1	ug/L		10/21/15 14:53	10/23/15 17:45	5
Acetophenone	ND		27	2.9	ug/L		10/21/15 14:53	10/23/15 17:45	5
Anthracene	ND		27	1.5	ug/L		10/21/15 14:53	10/23/15 17:45	5
Atrazine	ND		27	2.5	ug/L		10/21/15 14:53	10/23/15 17:45	5
Benzaldehyde	ND		27	1.5	ug/L		10/21/15 14:53	10/23/15 17:45	5
Benzo[a]anthracene	ND		27	2.0	ug/L		10/21/15 14:53	10/23/15 17:45	5
Benzo[a]pyrene	ND		27	2.6	ug/L		10/21/15 14:53	10/23/15 17:45	5
Benzo[b]fluoranthene	ND		27	1.9	ug/L		10/21/15 14:53	10/23/15 17:45	5
Benzo[g,h,i]perylene	ND		27	1.9	ug/L		10/21/15 14:53	10/23/15 17:45	5
Benzo[k]fluoranthene	ND		27	4.0	ug/L		10/21/15 14:53	10/23/15 17:45	5
Biphenyl	ND		27	3.6	ug/L		10/21/15 14:53	10/23/15 17:45	5
bis (2-chloroisopropyl) ether	ND		27	2.8	ug/L		10/21/15 14:53	10/23/15 17:45	5
Bis(2-chloroethoxy)methane	ND		27	1.9	ug/L		10/21/15 14:53	10/23/15 17:45	5
Bis(2-chloroethyl)ether	ND		27	2.2	ug/L		10/21/15 14:53	10/23/15 17:45	5
Bis(2-ethylhexyl) phthalate	ND		27	9.8	ug/L		10/21/15 14:53	10/23/15 17:45	5
Butyl benzyl phthalate	ND		27	2.3	ug/L		10/21/15 14:53	10/23/15 17:45	5
Caprolactam	ND		27	12	ug/L		10/21/15 14:53	10/23/15 17:45	5
Carbazole	ND		27	1.6	ug/L		10/21/15 14:53	10/23/15 17:45	5
Chrysene	ND		27	1.8	ug/L		10/21/15 14:53	10/23/15 17:45	5
Dibenz(a,h)anthracene	ND		27	2.3	ug/L		10/21/15 14:53	10/23/15 17:45	5
Dibenzofuran	ND		54	2.8	ug/L		10/21/15 14:53	10/23/15 17:45	5
Diethyl phthalate	ND		27	1.2	ug/L		10/21/15 14:53	10/23/15 17:45	5
Dimethyl phthalate	ND		27	2.0	ug/L		10/21/15 14:53	10/23/15 17:45	5
Di-n-butyl phthalate	ND		27	1.7	ug/L		10/21/15 14:53	10/23/15 17:45	5
Di-n-octyl phthalate	ND		27	2.6	ug/L		10/21/15 14:53	10/23/15 17:45	5

Client Sample ID: MW-405-102015

Date Collected: 10/20/15 08:40
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		27	2.2	ug/L		10/21/15 14:53	10/23/15 17:45	5
Fluorene	ND		27	2.0	ug/L		10/21/15 14:53	10/23/15 17:45	5
Hexachlorobenzene	ND		27	2.8	ug/L		10/21/15 14:53	10/23/15 17:45	5
Hexachlorobutadiene	ND		27	3.7	ug/L		10/21/15 14:53	10/23/15 17:45	5
Hexachlorocyclopentadiene	ND		27	3.2	ug/L		10/21/15 14:53	10/23/15 17:45	5
Hexachloroethane	ND		27	3.2	ug/L		10/21/15 14:53	10/23/15 17:45	5
Indeno[1,2,3-cd]pyrene	ND		27	2.6	ug/L		10/21/15 14:53	10/23/15 17:45	5
Isophorone	ND		27	2.3	ug/L		10/21/15 14:53	10/23/15 17:45	5
Naphthalene	ND		27	4.1	ug/L		10/21/15 14:53	10/23/15 17:45	5
Nitrobenzene	ND		27	1.6	ug/L		10/21/15 14:53	10/23/15 17:45	5
N-Nitrosodi-n-propylamine	ND		27	2.9	ug/L		10/21/15 14:53	10/23/15 17:45	5
N-Nitrosodiphenylamine	ND		27	2.8	ug/L		10/21/15 14:53	10/23/15 17:45	5
Pentachlorophenol	ND		54	12	ug/L		10/21/15 14:53	10/23/15 17:45	5
Phenanthrene	ND		27	2.4	ug/L		10/21/15 14:53	10/23/15 17:45	5
Phenol	**58**		27	2.1	ug/L		10/21/15 14:53	10/23/15 17:45	5
Pyrene	ND		27	1.9	ug/L		10/21/15 14:53	10/23/15 17:45	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*68*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/21/15 14:53*	*10/23/15 17:45*	*5*
Unknown	*88*	*T J*	*ug/L*		*3.72*		*10/21/15 14:53*	*10/23/15 17:45*	*5*
Butanoic acid, 3-methyl-	*24*	*T J N*	*ug/L*		*5.42*	*503-74-2*	*10/21/15 14:53*	*10/23/15 17:45*	*5*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	*9.9*	*T J N*	*ug/L*		*7.74*	*464-49-3*	*10/21/15 14:53*	*10/23/15 17:45*	*5*
Benzeneacetic acid	*25*	*T J N*	*ug/L*		*8.13*	*103-82-2*	*10/21/15 14:53*	*10/23/15 17:45*	*5*
Unknown	*9.4*	*T J*	*ug/L*		*15.00*		*10/21/15 14:53*	*10/23/15 17:45*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*52 - 132*	*10/21/15 14:53*	*10/23/15 17:45*	*5*
2-Fluorobiphenyl	*76*		*48 - 120*	*10/21/15 14:53*	*10/23/15 17:45*	*5*
2-Fluorophenol (Surr)	*44*		*20 - 120*	*10/21/15 14:53*	*10/23/15 17:45*	*5*
Nitrobenzene-d5 (Surr)	*60*		*46 - 120*	*10/21/15 14:53*	*10/23/15 17:45*	*5*
Phenol-d5 (Surr)	*32*		*16 - 120*	*10/21/15 14:53*	*10/23/15 17:45*	*5*
p-Terphenyl-d14 (Surr)	*90*		*67 - 150*	*10/21/15 14:53*	*10/23/15 17:45*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.17**	**J**	0.20	0.060	mg/L		10/21/15 10:50	10/22/15 02:05	1
Antimony	ND		0.020	0.0068	mg/L		10/21/15 10:50	10/22/15 02:05	1
Arsenic	**0.025**	**J**	0.030	0.011	mg/L		10/21/15 10:50	10/22/15 10:41	2
Barium	**0.021**		0.0020	0.00070	mg/L		10/21/15 10:50	10/22/15 02:05	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/15 10:50	10/22/15 02:05	1
Cadmium	**0.00052**	**J**	0.0020	0.00050	mg/L		10/21/15 10:50	10/22/15 02:05	1
Calcium	**11.8**		0.50	0.10	mg/L		10/21/15 10:50	10/22/15 02:05	1
Chromium	**0.0015**	**J**	0.0040	0.0010	mg/L		10/21/15 10:50	10/22/15 02:05	1
Cobalt	**0.0013**	**J**	0.0040	0.00063	mg/L		10/21/15 10:50	10/22/15 02:05	1
Copper	**0.0042**	**J B ^**	0.010	0.0016	mg/L		10/21/15 10:50	10/22/15 02:05	1
Iron	**0.82**		0.050	0.019	mg/L		10/21/15 10:50	10/22/15 02:05	1
Lead	**0.040**		0.020	0.0060	mg/L		10/21/15 10:50	10/22/15 10:41	2
Magnesium	ND		0.20	0.043	mg/L		10/21/15 10:50	10/22/15 02:05	1
Manganese	**0.0028**	**J**	0.0030	0.00040	mg/L		10/21/15 10:50	10/22/15 02:05	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: MW-405-102015
Date Collected: 10/20/15 08:40
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.027		0.010	0.0013	mg/L		10/21/15 10:50	10/22/15 02:05	1
Potassium	1300	^	2.5	0.50	mg/L		10/21/15 10:50	10/22/15 10:45	5
Selenium	ND		0.025	0.0087	mg/L		10/21/15 10:50	10/22/15 02:05	1
Silver	ND		0.0060	0.0017	mg/L		10/21/15 10:50	10/22/15 02:05	1
Sodium	107		1.0	0.32	mg/L		10/21/15 10:50	10/22/15 02:05	1
Thallium	ND		0.020	0.010	mg/L		10/21/15 10:50	10/22/15 02:05	1
Vanadium	0.064		0.0050	0.0015	mg/L		10/21/15 10:50	10/22/15 02:05	1
Zinc	0.0075	J	0.010	0.0015	mg/L		10/21/15 10:50	10/22/15 02:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.066		0.010	0.0050	mg/L		11/03/15 07:45	11/03/15 13:35	1

Client Sample ID: MW-405-F-102015
Date Collected: 10/20/15 08:45
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 18:14	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		10/21/15 14:53	10/23/15 18:14	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 18:14	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		10/21/15 14:53	10/23/15 18:14	5
2,4-Dinitrophenol	ND		51	11	ug/L		10/21/15 14:53	10/23/15 18:14	5
2,4-Dinitrotoluene	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 18:14	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 18:14	5
2-Chloronaphthalene	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 18:14	5
2-Chlorophenol	ND		25	2.7	ug/L		10/21/15 14:53	10/23/15 18:14	5
2-Methylnaphthalene	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 18:14	5
2-Methylphenol	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 18:14	5
2-Nitroaniline	ND		51	2.1	ug/L		10/21/15 14:53	10/23/15 18:14	5
2-Nitrophenol	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 18:14	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 18:14	5
3-Nitroaniline	ND		51	2.4	ug/L		10/21/15 14:53	10/23/15 18:14	5
4,6-Dinitro-2-methylphenol	ND		51	11	ug/L		10/21/15 14:53	10/23/15 18:14	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 18:14	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 18:14	5
4-Chloroaniline	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 18:14	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 18:14	5
4-Methylphenol	**4.3**	**J**	51	1.8	ug/L		10/21/15 14:53	10/23/15 18:14	5
4-Nitroaniline	ND		51	1.3	ug/L		10/21/15 14:53	10/23/15 18:14	5
4-Nitrophenol	ND		51	7.7	ug/L		10/21/15 14:53	10/23/15 18:14	5
Acenaphthene	ND		25	2.1	ug/L		10/21/15 14:53	10/23/15 18:14	5
Acenaphthylene	ND		25	1.9	ug/L		10/21/15 14:53	10/23/15 18:14	5
Acetophenone	ND		25	2.7	ug/L		10/21/15 14:53	10/23/15 18:14	5
Anthracene	ND		25	1.4	ug/L		10/21/15 14:53	10/23/15 18:14	5
Atrazine	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 18:14	5
Benzaldehyde	ND		25	1.3	ug/L		10/21/15 14:53	10/23/15 18:14	5
Benzo[a]anthracene	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 18:14	5
Benzo[a]pyrene	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 18:14	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 18:14	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 18:14	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		10/21/15 14:53	10/23/15 18:14	5
Biphenyl	ND		25	3.3	ug/L		10/21/15 14:53	10/23/15 18:14	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 18:14	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 18:14	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 18:14	5
Bis(2-ethylhexyl) phthalate	ND		25	9.1	ug/L		10/21/15 14:53	10/23/15 18:14	5
Butyl benzyl phthalate	ND		25	2.1	ug/L		10/21/15 14:53	10/23/15 18:14	5
Caprolactam	ND		25	11	ug/L		10/21/15 14:53	10/23/15 18:14	5
Carbazole	ND		25	1.5	ug/L		10/21/15 14:53	10/23/15 18:14	5
Chrysene	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 18:14	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/21/15 14:53	10/23/15 18:14	5
Dibenzofuran	ND		51	2.6	ug/L		10/21/15 14:53	10/23/15 18:14	5
Diethyl phthalate	ND		25	1.1	ug/L		10/21/15 14:53	10/23/15 18:14	5
Dimethyl phthalate	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 18:14	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		10/21/15 14:53	10/23/15 18:14	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 18:14	5

Client Sample ID: MW-405-F-102015

Date Collected: 10/20/15 08:45
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 18:14	5
Fluorene	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 18:14	5
Hexachlorobenzene	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 18:14	5
Hexachlorobutadiene	ND		25	3.4	ug/L		10/21/15 14:53	10/23/15 18:14	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 18:14	5
Hexachloroethane	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 18:14	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 18:14	5
Isophorone	ND		25	2.2	ug/L		10/21/15 14:53	10/23/15 18:14	5
Naphthalene	ND		25	3.8	ug/L		10/21/15 14:53	10/23/15 18:14	5
Nitrobenzene	ND		25	1.5	ug/L		10/21/15 14:53	10/23/15 18:14	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		10/21/15 14:53	10/23/15 18:14	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 18:14	5
Pentachlorophenol	ND		51	11	ug/L		10/21/15 14:53	10/23/15 18:14	5
Phenanthrene	ND		25	2.2	ug/L		10/21/15 14:53	10/23/15 18:14	5
Phenol	**57**		25	2.0	ug/L		10/21/15 14:53	10/23/15 18:14	5
Pyrene	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 18:14	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*65*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/21/15 14:53*	*10/23/15 18:14*	*5*
Unknown	*82*	*T J*	*ug/L*		*3.72*		*10/21/15 14:53*	*10/23/15 18:14*	*5*
Unknown	*25*	*T J*	*ug/L*		*5.43*		*10/21/15 14:53*	*10/23/15 18:14*	*5*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	*10*	*T J N*	*ug/L*		*7.74*	*464-49-3*	*10/21/15 14:53*	*10/23/15 18:14*	*5*
Benzeneacetic acid	*25*	*T J N*	*ug/L*		*8.13*	*103-82-2*	*10/21/15 14:53*	*10/23/15 18:14*	*5*
Cyclononasiloxane, octadecamethyl-	*16*	*T J N*	*ug/L*		*15.00*	*556-71-8*	*10/21/15 14:53*	*10/23/15 18:14*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*52 - 132*	*10/21/15 14:53*	*10/23/15 18:14*	*5*
2-Fluorobiphenyl	*82*		*48 - 120*	*10/21/15 14:53*	*10/23/15 18:14*	*5*
2-Fluorophenol (Surr)	*43*		*20 - 120*	*10/21/15 14:53*	*10/23/15 18:14*	*5*
Nitrobenzene-d5 (Surr)	*64*		*46 - 120*	*10/21/15 14:53*	*10/23/15 18:14*	*5*
Phenol-d5 (Surr)	*30*		*16 - 120*	*10/21/15 14:53*	*10/23/15 18:14*	*5*
p-Terphenyl-d14 (Surr)	*93*		*67 - 150*	*10/21/15 14:53*	*10/23/15 18:14*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.12**	**J**	0.20	0.060	mg/L		10/21/15 10:50	10/22/15 02:09	1
Antimony	ND		0.020	0.0068	mg/L		10/21/15 10:50	10/22/15 02:09	1
Arsenic	**0.018**	**J**	0.030	0.011	mg/L		10/21/15 10:50	10/22/15 10:48	2
Barium	**0.020**		0.0020	0.00070	mg/L		10/21/15 10:50	10/22/15 02:09	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/15 10:50	10/22/15 02:09	1
Cadmium	ND		0.0020	0.00050	mg/L		10/21/15 10:50	10/22/15 02:09	1
Calcium	**11.3**		0.50	0.10	mg/L		10/21/15 10:50	10/22/15 02:09	1
Chromium	**0.0012**	**J**	0.0040	0.0010	mg/L		10/21/15 10:50	10/22/15 02:09	1
Cobalt	ND		0.0040	0.00063	mg/L		10/21/15 10:50	10/22/15 02:09	1
Copper	**0.0041**	**J B ^**	0.010	0.0016	mg/L		10/21/15 10:50	10/22/15 02:09	1
Iron	**0.71**		0.050	0.019	mg/L		10/21/15 10:50	10/22/15 02:09	1
Lead	**0.047**		0.020	0.0060	mg/L		10/21/15 10:50	10/22/15 10:48	2
Magnesium	ND		0.20	0.043	mg/L		10/21/15 10:50	10/22/15 02:09	1
Manganese	ND		0.0030	0.00040	mg/L		10/21/15 10:50	10/22/15 02:09	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: MW-405-F-102015
Date Collected: 10/20/15 08:45
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.025		0.010	0.0013	mg/L		10/21/15 10:50	10/22/15 02:09	1
Potassium	1240	^	2.5	0.50	mg/L		10/21/15 10:50	10/22/15 10:51	5
Selenium	ND		0.025	0.0087	mg/L		10/21/15 10:50	10/22/15 02:09	1
Silver	ND		0.0060	0.0017	mg/L		10/21/15 10:50	10/22/15 02:09	1
Sodium	105		1.0	0.32	mg/L		10/21/15 10:50	10/22/15 02:09	1
Thallium	ND		0.020	0.010	mg/L		10/21/15 10:50	10/22/15 02:09	1
Vanadium	0.064		0.0050	0.0015	mg/L		10/21/15 10:50	10/22/15 02:09	1
Zinc	ND		0.010	0.0015	mg/L		10/21/15 10:50	10/22/15 02:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.067		0.010	0.0050	mg/L		11/03/15 07:45	11/03/15 13:37	1

Client Sample ID: MW-404-102015

Date Collected: 10/20/15 11:25
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/21/15 14:53	10/23/15 18:43	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/21/15 14:53	10/23/15 18:43	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/21/15 14:53	10/23/15 18:43	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/21/15 14:53	10/23/15 18:43	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/21/15 14:53	10/23/15 18:43	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/21/15 14:53	10/23/15 18:43	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/21/15 14:53	10/23/15 18:43	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/21/15 14:53	10/23/15 18:43	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/21/15 14:53	10/23/15 18:43	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/21/15 14:53	10/23/15 18:43	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/21/15 14:53	10/23/15 18:43	1
2-Nitroaniline	ND		10	0.42	ug/L		10/21/15 14:53	10/23/15 18:43	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/21/15 14:53	10/23/15 18:43	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/21/15 14:53	10/23/15 18:43	1
3-Nitroaniline	ND		10	0.48	ug/L		10/21/15 14:53	10/23/15 18:43	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/21/15 14:53	10/23/15 18:43	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/21/15 14:53	10/23/15 18:43	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/21/15 14:53	10/23/15 18:43	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/21/15 14:53	10/23/15 18:43	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/21/15 14:53	10/23/15 18:43	1
4-Methylphenol	ND		10	0.36	ug/L		10/21/15 14:53	10/23/15 18:43	1
4-Nitroaniline	ND		10	0.25	ug/L		10/21/15 14:53	10/23/15 18:43	1
4-Nitrophenol	ND		10	1.5	ug/L		10/21/15 14:53	10/23/15 18:43	1
Acenaphthene	**6.1**		5.0	0.41	ug/L		10/21/15 14:53	10/23/15 18:43	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/21/15 14:53	10/23/15 18:43	1
Acetophenone	ND		5.0	0.54	ug/L		10/21/15 14:53	10/23/15 18:43	1
Anthracene	**1.0**	**J**	5.0	0.28	ug/L		10/21/15 14:53	10/23/15 18:43	1
Atrazine	ND		5.0	0.46	ug/L		10/21/15 14:53	10/23/15 18:43	1
Benzaldehyde	**1.2**	**J**	5.0	0.27	ug/L		10/21/15 14:53	10/23/15 18:43	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/21/15 14:53	10/23/15 18:43	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/21/15 14:53	10/23/15 18:43	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/21/15 14:53	10/23/15 18:43	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/21/15 14:53	10/23/15 18:43	1
Benzo[k]fluoranthene	ND		5.0	0.74	ug/L		10/21/15 14:53	10/23/15 18:43	1
Biphenyl	ND		5.0	0.66	ug/L		10/21/15 14:53	10/23/15 18:43	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/21/15 14:53	10/23/15 18:43	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/21/15 14:53	10/23/15 18:43	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/21/15 14:53	10/23/15 18:43	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/21/15 14:53	10/23/15 18:43	1
Butyl benzyl phthalate	**0.68**	**J B**	5.0	0.42	ug/L		10/21/15 14:53	10/23/15 18:43	1
Caprolactam	ND		5.0	2.2	ug/L		10/21/15 14:53	10/23/15 18:43	1
Carbazole	**3.2**	**J**	5.0	0.30	ug/L		10/21/15 14:53	10/23/15 18:43	1
Chrysene	ND		5.0	0.33	ug/L		10/21/15 14:53	10/23/15 18:43	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/21/15 14:53	10/23/15 18:43	1
Dibenzofuran	**0.76**	**J**	10	0.51	ug/L		10/21/15 14:53	10/23/15 18:43	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/21/15 14:53	10/23/15 18:43	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/21/15 14:53	10/23/15 18:43	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/21/15 14:53	10/23/15 18:43	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/21/15 14:53	10/23/15 18:43	1

Client Sample ID: MW-404-102015

Date Collected: 10/20/15 11:25
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1.3**	**J**	5.0	0.40	ug/L		10/21/15 14:53	10/23/15 18:43	1
Fluorene	**5.5**		5.0	0.36	ug/L		10/21/15 14:53	10/23/15 18:43	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/21/15 14:53	10/23/15 18:43	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/21/15 14:53	10/23/15 18:43	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/21/15 14:53	10/23/15 18:43	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/21/15 14:53	10/23/15 18:43	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/21/15 14:53	10/23/15 18:43	1
Isophorone	ND		5.0	0.43	ug/L		10/21/15 14:53	10/23/15 18:43	1
Naphthalene	ND		5.0	0.77	ug/L		10/21/15 14:53	10/23/15 18:43	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/21/15 14:53	10/23/15 18:43	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/21/15 14:53	10/23/15 18:43	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/21/15 14:53	10/23/15 18:43	1
Pentachlorophenol	ND		10	2.2	ug/L		10/21/15 14:53	10/23/15 18:43	1
Phenanthrene	ND		5.0	0.44	ug/L		10/21/15 14:53	10/23/15 18:43	1
Phenol	ND		5.0	0.39	ug/L		10/21/15 14:53	10/23/15 18:43	1
Pyrene	**0.81**	**J**	5.0	0.34	ug/L		10/21/15 14:53	10/23/15 18:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.5*	*T J*	*ug/L*		*3.31*		*10/21/15 14:53*	*10/23/15 18:43*	*1*
Cyclohexane	*30*	*T J N*	*ug/L*		*3.59*	*110-82-7*	*10/21/15 14:53*	*10/23/15 18:43*	*1*
Unknown	*74*	*T J*	*ug/L*		*3.73*		*10/21/15 14:53*	*10/23/15 18:43*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*5.46*		*10/21/15 14:53*	*10/23/15 18:43*	*1*
Decane	*2.5*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/21/15 14:53*	*10/23/15 18:43*	*1*
Bicyclo[3.1.1]heptan-2-one, 6,6-dimethyl	*2.1*	*T J N*	*ug/L*		*7.68*	*38651-65-9*	*10/21/15 14:53*	*10/23/15 18:43*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*7.79*		*10/21/15 14:53*	*10/23/15 18:43*	*1*
N-Ethyl-O-toluenesulfonamide	*2.1*	*T J N*	*ug/L*		*10.10*	*1000132-40-9*	*10/21/15 14:53*	*10/23/15 18:43*	*1*
2(3H)-Benzothiazolone	*2.4*	*T J N*	*ug/L*		*10.19*	*934-34-9*	*10/21/15 14:53*	*10/23/15 18:43*	*1*
Benzenesulfonamide, N-ethyl-4-methyl-	*1.7*	*T J N*	*ug/L*		*10.33*	*80-39-7*	*10/21/15 14:53*	*10/23/15 18:43*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*10.98*		*10/21/15 14:53*	*10/23/15 18:43*	*1*
n-Hexadecanoic acid	*2.1*	*T J N*	*ug/L*		*11.08*	*57-10-3*	*10/21/15 14:53*	*10/23/15 18:43*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*11.35*		*10/21/15 14:53*	*10/23/15 18:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*52 - 132*	*10/21/15 14:53*	*10/23/15 18:43*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*10/21/15 14:53*	*10/23/15 18:43*	*1*
2-Fluorophenol (Surr)	*57*		*20 - 120*	*10/21/15 14:53*	*10/23/15 18:43*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*	*10/21/15 14:53*	*10/23/15 18:43*	*1*
Phenol-d5 (Surr)	*39*		*16 - 120*	*10/21/15 14:53*	*10/23/15 18:43*	*1*
p-Terphenyl-d14 (Surr)	*63*	*X*	*67 - 150*	*10/21/15 14:53*	*10/23/15 18:43*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.062**	**J**	0.20	0.060	mg/L		10/21/15 10:50	10/22/15 02:12	1
Antimony	ND		0.020	0.0068	mg/L		10/21/15 10:50	10/22/15 02:12	1
Arsenic	ND		0.015	0.0056	mg/L		10/21/15 10:50	10/22/15 02:12	1
Barium	**0.29**		0.0020	0.00070	mg/L		10/21/15 10:50	10/22/15 02:12	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/15 10:50	10/22/15 02:12	1
Cadmium	ND		0.0020	0.00050	mg/L		10/21/15 10:50	10/22/15 02:12	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: MW-404-102015
Date Collected: 10/20/15 11:25
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	94.7		0.50	0.10	mg/L		10/21/15 10:50	10/22/15 02:12	1
Chromium	0.0013	J	0.0040	0.0010	mg/L		10/21/15 10:50	10/22/15 02:12	1
Cobalt	ND		0.0040	0.00063	mg/L		10/21/15 10:50	10/22/15 02:12	1
Copper	0.0040	J B ^	0.010	0.0016	mg/L		10/21/15 10:50	10/22/15 02:12	1
Iron	2.9		0.050	0.019	mg/L		10/21/15 10:50	10/22/15 02:12	1
Lead	0.0094	J	0.010	0.0030	mg/L		10/21/15 10:50	10/22/15 02:12	1
Magnesium	115		0.20	0.043	mg/L		10/21/15 10:50	10/22/15 02:12	1
Manganese	0.29		0.0030	0.00040	mg/L		10/21/15 10:50	10/22/15 02:12	1
Nickel	ND		0.010	0.0013	mg/L		10/21/15 10:50	10/22/15 02:12	1
Potassium	190	^	0.50	0.10	mg/L		10/21/15 10:50	10/22/15 02:12	1
Selenium	ND		0.025	0.0087	mg/L		10/21/15 10:50	10/22/15 02:12	1
Silver	ND		0.0060	0.0017	mg/L		10/21/15 10:50	10/22/15 02:12	1
Sodium	35.5		1.0	0.32	mg/L		10/21/15 10:50	10/22/15 02:12	1
Thallium	ND		0.020	0.010	mg/L		10/21/15 10:50	10/22/15 02:12	1
Vanadium	0.0044	J	0.0050	0.0015	mg/L		10/21/15 10:50	10/22/15 02:12	1
Zinc	0.0049	J	0.010	0.0015	mg/L		10/21/15 10:50	10/22/15 02:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.037		0.010	0.0050	mg/L		11/03/15 07:45	11/03/15 13:38	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: MW-404-F-102015
Date Collected: 10/20/15 11:30
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/21/15 14:53	10/23/15 19:12	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		10/21/15 14:53	10/23/15 19:12	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/21/15 14:53	10/23/15 19:12	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/21/15 14:53	10/23/15 19:12	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/21/15 14:53	10/23/15 19:12	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		10/21/15 14:53	10/23/15 19:12	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		10/21/15 14:53	10/23/15 19:12	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		10/21/15 14:53	10/23/15 19:12	1
2-Chlorophenol	ND		5.2	0.56	ug/L		10/21/15 14:53	10/23/15 19:12	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		10/21/15 14:53	10/23/15 19:12	1
2-Methylphenol	ND		5.2	0.42	ug/L		10/21/15 14:53	10/23/15 19:12	1
2-Nitroaniline	ND		10	0.44	ug/L		10/21/15 14:53	10/23/15 19:12	1
2-Nitrophenol	ND		5.2	0.50	ug/L		10/21/15 14:53	10/23/15 19:12	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		10/21/15 14:53	10/23/15 19:12	1
3-Nitroaniline	ND		10	0.50	ug/L		10/21/15 14:53	10/23/15 19:12	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/21/15 14:53	10/23/15 19:12	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		10/21/15 14:53	10/23/15 19:12	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		10/21/15 14:53	10/23/15 19:12	1
4-Chloroaniline	ND		5.2	0.62	ug/L		10/21/15 14:53	10/23/15 19:12	1
4-Chlorophenyl phenyl ether	ND		5.2	0.37	ug/L		10/21/15 14:53	10/23/15 19:12	1
4-Methylphenol	ND		10	0.38	ug/L		10/21/15 14:53	10/23/15 19:12	1
4-Nitroaniline	ND		10	0.26	ug/L		10/21/15 14:53	10/23/15 19:12	1
4-Nitrophenol	ND		10	1.6	ug/L		10/21/15 14:53	10/23/15 19:12	1
Acenaphthene	ND		5.2	0.43	ug/L		10/21/15 14:53	10/23/15 19:12	1
Acenaphthylene	ND		5.2	0.40	ug/L		10/21/15 14:53	10/23/15 19:12	1
Acetophenone	ND		5.2	0.57	ug/L		10/21/15 14:53	10/23/15 19:12	1
Anthracene	ND		5.2	0.29	ug/L		10/21/15 14:53	10/23/15 19:12	1
Atrazine	ND		5.2	0.48	ug/L		10/21/15 14:53	10/23/15 19:12	1
Benzaldehyde	**1.3**	**J**	5.2	0.28	ug/L		10/21/15 14:53	10/23/15 19:12	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		10/21/15 14:53	10/23/15 19:12	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		10/21/15 14:53	10/23/15 19:12	1
Benzo[b]fluoranthene	ND		5.2	0.36	ug/L		10/21/15 14:53	10/23/15 19:12	1
Benzo[g,h,i]perylene	ND		5.2	0.37	ug/L		10/21/15 14:53	10/23/15 19:12	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		10/21/15 14:53	10/23/15 19:12	1
Biphenyl	ND		5.2	0.68	ug/L		10/21/15 14:53	10/23/15 19:12	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/21/15 14:53	10/23/15 19:12	1
Bis(2-chloroethoxy)methane	ND		5.2	0.37	ug/L		10/21/15 14:53	10/23/15 19:12	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		10/21/15 14:53	10/23/15 19:12	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/21/15 14:53	10/23/15 19:12	1
Butyl benzyl phthalate	**0.78**	**J B**	5.2	0.44	ug/L		10/21/15 14:53	10/23/15 19:12	1
Caprolactam	ND		5.2	2.3	ug/L		10/21/15 14:53	10/23/15 19:12	1
Carbazole	ND		5.2	0.31	ug/L		10/21/15 14:53	10/23/15 19:12	1
Chrysene	ND		5.2	0.35	ug/L		10/21/15 14:53	10/23/15 19:12	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		10/21/15 14:53	10/23/15 19:12	1
Dibenzofuran	ND		10	0.53	ug/L		10/21/15 14:53	10/23/15 19:12	1
Diethyl phthalate	**0.35**	**J**	5.2	0.23	ug/L		10/21/15 14:53	10/23/15 19:12	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		10/21/15 14:53	10/23/15 19:12	1
Di-n-butyl phthalate	**0.41**	**J**	5.2	0.32	ug/L		10/21/15 14:53	10/23/15 19:12	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		10/21/15 14:53	10/23/15 19:12	1

Client Sample ID: MW-404-F-102015

Date Collected: 10/20/15 11:30
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		10/21/15 14:53	10/23/15 19:12	1
Fluorene	ND		5.2	0.38	ug/L		10/21/15 14:53	10/23/15 19:12	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/21/15 14:53	10/23/15 19:12	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		10/21/15 14:53	10/23/15 19:12	1
Hexachlorocyclopentadiene	ND		5.2	0.62	ug/L		10/21/15 14:53	10/23/15 19:12	1
Hexachloroethane	ND		5.2	0.62	ug/L		10/21/15 14:53	10/23/15 19:12	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		10/21/15 14:53	10/23/15 19:12	1
Isophorone	ND		5.2	0.45	ug/L		10/21/15 14:53	10/23/15 19:12	1
Naphthalene	ND		5.2	0.80	ug/L		10/21/15 14:53	10/23/15 19:12	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/21/15 14:53	10/23/15 19:12	1
N-Nitrosodi-n-propylamine	ND		5.2	0.57	ug/L		10/21/15 14:53	10/23/15 19:12	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/21/15 14:53	10/23/15 19:12	1
Pentachlorophenol	ND		10	2.3	ug/L		10/21/15 14:53	10/23/15 19:12	1
Phenanthrene	ND		5.2	0.46	ug/L		10/21/15 14:53	10/23/15 19:12	1
Phenol	ND		5.2	0.41	ug/L		10/21/15 14:53	10/23/15 19:12	1
Pyrene	ND		5.2	0.36	ug/L		10/21/15 14:53	10/23/15 19:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.0*	*T J*	*ug/L*		*3.31*		*10/21/15 14:53*	*10/23/15 19:12*	*1*
Cyclohexane	*38*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
Unknown	*88*	*T J*	*ug/L*		*3.73*		*10/21/15 14:53*	*10/23/15 19:12*	*1*
Formamide, N,N-dimethyl-	*10*	*T J N*	*ug/L*		*4.83*	*68-12-2*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
Unknown	*5.9*	*T J*	*ug/L*		*5.46*		*10/21/15 14:53*	*10/23/15 19:12*	*1*
Decane	*2.9*	*T J N*	*ug/L*		*6.70*	*124-18-5*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
Bicyclo[3.1.1]heptan-2-one, 6,6-dimethyl	*2.2*	*T J N*	*ug/L*		*7.68*	*38651-65-9*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*7.79*		*10/21/15 14:53*	*10/23/15 19:12*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*8.3*	*T J N*	*ug/L*		*9.40*	*96-76-4*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
N-Ethyl-O-toluenesulfonamide	*1.8*	*T J N*	*ug/L*		*10.10*	*1000132-40-9*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
2(3H)-Benzothiazolone	*2.0*	*T J N*	*ug/L*		*10.20*	*934-34-9*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*10.98*		*10/21/15 14:53*	*10/23/15 19:12*	*1*
Diphenyl sulfone	*8.9*	*T J N*	*ug/L*		*11.18*	*127-63-9*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*11.35*		*10/21/15 14:53*	*10/23/15 19:12*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*12.11*		*10/21/15 14:53*	*10/23/15 19:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*52 - 132*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
2-Fluorobiphenyl	*92*		*48 - 120*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
2-Fluorophenol (Surr)	*62*		*20 - 120*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
Phenol-d5 (Surr)	*43*		*16 - 120*	*10/21/15 14:53*	*10/23/15 19:12*	*1*
p-Terphenyl-d14 (Surr)	*64*	*X*	*67 - 150*	*10/21/15 14:53*	*10/23/15 19:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/21/15 10:50	10/22/15 02:25	1
Antimony	ND		0.020	0.0068	mg/L		10/21/15 10:50	10/22/15 02:25	1
Arsenic	ND		0.015	0.0056	mg/L		10/21/15 10:50	10/22/15 02:25	1
Barium	**0.29**		0.0020	0.00070	mg/L		10/21/15 10:50	10/22/15 02:25	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/15 10:50	10/22/15 02:25	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: MW-404-F-102015
Date Collected: 10/20/15 11:30
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/21/15 10:50	10/22/15 02:25	1
Calcium	**93.3**		0.50	0.10	mg/L		10/21/15 10:50	10/22/15 02:25	1
Chromium	**0.0011**	**J**	0.0040	0.0010	mg/L		10/21/15 10:50	10/22/15 02:25	1
Cobalt	ND		0.0040	0.00063	mg/L		10/21/15 10:50	10/22/15 02:25	1
Copper	**0.0045**	**J B ^**	0.010	0.0016	mg/L		10/21/15 10:50	10/22/15 02:25	1
Iron	**2.8**		0.050	0.019	mg/L		10/21/15 10:50	10/22/15 02:25	1
Lead	**0.0042**	**J**	0.010	0.0030	mg/L		10/21/15 10:50	10/22/15 02:25	1
Magnesium	**112**		0.20	0.043	mg/L		10/21/15 10:50	10/22/15 02:25	1
Manganese	**0.27**		0.0030	0.00040	mg/L		10/21/15 10:50	10/22/15 02:25	1
Nickel	ND		0.010	0.0013	mg/L		10/21/15 10:50	10/22/15 02:25	1
Potassium	**180**	**^**	0.50	0.10	mg/L		10/21/15 10:50	10/22/15 02:25	1
Selenium	ND		0.025	0.0087	mg/L		10/21/15 10:50	10/22/15 02:25	1
Silver	ND		0.0060	0.0017	mg/L		10/21/15 10:50	10/22/15 02:25	1
Sodium	**33.4**		1.0	0.32	mg/L		10/21/15 10:50	10/22/15 02:25	1
Thallium	ND		0.020	0.010	mg/L		10/21/15 10:50	10/22/15 02:25	1
Vanadium	**0.0037**	**J**	0.0050	0.0015	mg/L		10/21/15 10:50	10/22/15 02:25	1
Zinc	ND		0.010	0.0015	mg/L		10/21/15 10:50	10/22/15 02:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.047**		0.010	0.0050	mg/L		11/03/15 07:45	11/03/15 13:40	1

Client Sample ID: TP-08-102015
Date Collected: 10/20/15 14:40
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	**0.75**	**J**	5.5	0.52	ug/L		10/21/15 14:53	10/23/15 19:41	1
2,4,6-Trichlorophenol	ND		5.5	0.67	ug/L		10/21/15 14:53	10/23/15 19:41	1
2,4-Dichlorophenol	ND		5.5	0.56	ug/L		10/21/15 14:53	10/23/15 19:41	1
2,4-Dimethylphenol	**0.86**	**J**	5.5	0.55	ug/L		10/21/15 14:53	10/23/15 19:41	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/21/15 14:53	10/23/15 19:41	1
2,4-Dinitrotoluene	ND		5.5	0.49	ug/L		10/21/15 14:53	10/23/15 19:41	1
2,6-Dinitrotoluene	ND		5.5	0.44	ug/L		10/21/15 14:53	10/23/15 19:41	1
2-Chloronaphthalene	ND		5.5	0.50	ug/L		10/21/15 14:53	10/23/15 19:41	1
2-Chlorophenol	ND		5.5	0.58	ug/L		10/21/15 14:53	10/23/15 19:41	1
2-Methylnaphthalene	**1.2**	**J**	5.5	0.66	ug/L		10/21/15 14:53	10/23/15 19:41	1
2-Methylphenol	**0.82**	**J**	5.5	0.44	ug/L		10/21/15 14:53	10/23/15 19:41	1
2-Nitroaniline	ND		11	0.46	ug/L		10/21/15 14:53	10/23/15 19:41	1
2-Nitrophenol	ND		5.5	0.52	ug/L		10/21/15 14:53	10/23/15 19:41	1
3,3'-Dichlorobenzidine	ND		5.5	0.44	ug/L		10/21/15 14:53	10/23/15 19:41	1
3-Nitroaniline	ND		11	0.52	ug/L		10/21/15 14:53	10/23/15 19:41	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/21/15 14:53	10/23/15 19:41	1
4-Bromophenyl phenyl ether	ND		5.5	0.49	ug/L		10/21/15 14:53	10/23/15 19:41	1
4-Chloro-3-methylphenol	ND		5.5	0.49	ug/L		10/21/15 14:53	10/23/15 19:41	1
4-Chloroaniline	ND		5.5	0.64	ug/L		10/21/15 14:53	10/23/15 19:41	1
4-Chlorophenyl phenyl ether	ND		5.5	0.38	ug/L		10/21/15 14:53	10/23/15 19:41	1
4-Methylphenol	**1.2**	**J**	11	0.39	ug/L		10/21/15 14:53	10/23/15 19:41	1
4-Nitroaniline	ND		11	0.27	ug/L		10/21/15 14:53	10/23/15 19:41	1
4-Nitrophenol	ND		11	1.7	ug/L		10/21/15 14:53	10/23/15 19:41	1
Acenaphthene	**1.2**	**J**	5.5	0.45	ug/L		10/21/15 14:53	10/23/15 19:41	1
Acenaphthylene	ND		5.5	0.42	ug/L		10/21/15 14:53	10/23/15 19:41	1
Acetophenone	**0.61**	**J**	5.5	0.59	ug/L		10/21/15 14:53	10/23/15 19:41	1
Anthracene	ND		5.5	0.31	ug/L		10/21/15 14:53	10/23/15 19:41	1
Atrazine	ND		5.5	0.50	ug/L		10/21/15 14:53	10/23/15 19:41	1
Benzaldehyde	ND		5.5	0.29	ug/L		10/21/15 14:53	10/23/15 19:41	1
Benzo[a]anthracene	ND		5.5	0.39	ug/L		10/21/15 14:53	10/23/15 19:41	1
Benzo[a]pyrene	ND		5.5	0.51	ug/L		10/21/15 14:53	10/23/15 19:41	1
Benzo[b]fluoranthene	ND		5.5	0.37	ug/L		10/21/15 14:53	10/23/15 19:41	1
Benzo[g,h,i]perylene	ND		5.5	0.38	ug/L		10/21/15 14:53	10/23/15 19:41	1
Benzo[k]fluoranthene	ND		5.5	0.80	ug/L		10/21/15 14:53	10/23/15 19:41	1
Biphenyl	ND		5.5	0.71	ug/L		10/21/15 14:53	10/23/15 19:41	1
bis (2-chloroisopropyl) ether	ND		5.5	0.57	ug/L		10/21/15 14:53	10/23/15 19:41	1
Bis(2-chloroethoxy)methane	ND		5.5	0.38	ug/L		10/21/15 14:53	10/23/15 19:41	1
Bis(2-chloroethyl)ether	ND		5.5	0.44	ug/L		10/21/15 14:53	10/23/15 19:41	1
Bis(2-ethylhexyl) phthalate	ND		5.5	2.0	ug/L		10/21/15 14:53	10/23/15 19:41	1
Butyl benzyl phthalate	**0.71**	**J B**	5.5	0.46	ug/L		10/21/15 14:53	10/23/15 19:41	1
Caprolactam	ND		5.5	2.4	ug/L		10/21/15 14:53	10/23/15 19:41	1
Carbazole	**0.79**	**J**	5.5	0.33	ug/L		10/21/15 14:53	10/23/15 19:41	1
Chrysene	ND		5.5	0.36	ug/L		10/21/15 14:53	10/23/15 19:41	1
Dibenz(a,h)anthracene	ND		5.5	0.46	ug/L		10/21/15 14:53	10/23/15 19:41	1
Dibenzofuran	ND		11	0.56	ug/L		10/21/15 14:53	10/23/15 19:41	1
Diethyl phthalate	ND		5.5	0.24	ug/L		10/21/15 14:53	10/23/15 19:41	1
Dimethyl phthalate	ND		5.5	0.39	ug/L		10/21/15 14:53	10/23/15 19:41	1
Di-n-butyl phthalate	ND		5.5	0.34	ug/L		10/21/15 14:53	10/23/15 19:41	1
Di-n-octyl phthalate	ND		5.5	0.51	ug/L		10/21/15 14:53	10/23/15 19:41	1

Client Sample ID: TP-08-102015

Date Collected: 10/20/15 14:40
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.5	0.44	ug/L		10/21/15 14:53	10/23/15 19:41	1
Fluorene	**0.69**	**J**	5.5	0.39	ug/L		10/21/15 14:53	10/23/15 19:41	1
Hexachlorobenzene	ND		5.5	0.56	ug/L		10/21/15 14:53	10/23/15 19:41	1
Hexachlorobutadiene	ND		5.5	0.74	ug/L		10/21/15 14:53	10/23/15 19:41	1
Hexachlorocyclopentadiene	ND		5.5	0.64	ug/L		10/21/15 14:53	10/23/15 19:41	1
Hexachloroethane	ND		5.5	0.64	ug/L		10/21/15 14:53	10/23/15 19:41	1
Indeno[1,2,3-cd]pyrene	ND		5.5	0.51	ug/L		10/21/15 14:53	10/23/15 19:41	1
Isophorone	ND		5.5	0.47	ug/L		10/21/15 14:53	10/23/15 19:41	1
Naphthalene	**5.2**	**J**	5.5	0.83	ug/L		10/21/15 14:53	10/23/15 19:41	1
Nitrobenzene	ND		5.5	0.32	ug/L		10/21/15 14:53	10/23/15 19:41	1
N-Nitrosodi-n-propylamine	ND		5.5	0.59	ug/L		10/21/15 14:53	10/23/15 19:41	1
N-Nitrosodiphenylamine	ND		5.5	0.56	ug/L		10/21/15 14:53	10/23/15 19:41	1
Pentachlorophenol	**6.2**	**J**	11	2.4	ug/L		10/21/15 14:53	10/23/15 19:41	1
Phenanthrene	**0.97**	**J**	5.5	0.48	ug/L		10/21/15 14:53	10/23/15 19:41	1
Phenol	**0.84**	**J**	5.5	0.43	ug/L		10/21/15 14:53	10/23/15 19:41	1
Pyrene	ND		5.5	0.37	ug/L		10/21/15 14:53	10/23/15 19:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.9*	*T J*	*ug/L*		*3.31*		*10/21/15 14:53*	*10/23/15 19:41*	*1*
Cyclohexane	*33*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/21/15 14:53*	*10/23/15 19:41*	*1*
Unknown	*10*	*T J*	*ug/L*		*5.46*		*10/21/15 14:53*	*10/23/15 19:41*	*1*
Decane	*2.8*	*T J N*	*ug/L*		*6.70*	*124-18-5*	*10/21/15 14:53*	*10/23/15 19:41*	*1*
n-Hexadecanoic acid	*2.3*	*T J N*	*ug/L*		*11.08*	*57-10-3*	*10/21/15 14:53*	*10/23/15 19:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*52 - 132*	*10/21/15 14:53*	*10/23/15 19:41*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*10/21/15 14:53*	*10/23/15 19:41*	*1*
2-Fluorophenol (Surr)	*59*		*20 - 120*	*10/21/15 14:53*	*10/23/15 19:41*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 120*	*10/21/15 14:53*	*10/23/15 19:41*	*1*
Phenol-d5 (Surr)	*41*		*16 - 120*	*10/21/15 14:53*	*10/23/15 19:41*	*1*
p-Terphenyl-d14 (Surr)	*98*		*67 - 150*	*10/21/15 14:53*	*10/23/15 19:41*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.2**		0.20	0.060	mg/L		10/21/15 10:50	10/22/15 02:28	1
Antimony	ND		0.020	0.0068	mg/L		10/21/15 10:50	10/22/15 02:28	1
Arsenic	**0.012**	**J**	0.015	0.0056	mg/L		10/21/15 10:50	10/22/15 02:28	1
Barium	**0.048**		0.0020	0.00070	mg/L		10/21/15 10:50	10/22/15 02:28	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/15 10:50	10/22/15 02:28	1
Cadmium	ND		0.0020	0.00050	mg/L		10/21/15 10:50	10/22/15 02:28	1
Calcium	**98.5**		0.50	0.10	mg/L		10/21/15 10:50	10/22/15 02:28	1
Chromium	ND		0.0040	0.0010	mg/L		10/21/15 10:50	10/22/15 02:28	1
Cobalt	**0.0017**	**J**	0.0040	0.00063	mg/L		10/21/15 10:50	10/22/15 02:28	1
Copper	**0.0048**	**J B ^**	0.010	0.0016	mg/L		10/21/15 10:50	10/22/15 02:28	1
Iron	**1.8**		0.050	0.019	mg/L		10/21/15 10:50	10/22/15 02:28	1
Lead	**0.0070**	**J**	0.010	0.0030	mg/L		10/21/15 10:50	10/22/15 02:28	1
Magnesium	**0.083**	**J**	0.20	0.043	mg/L		10/21/15 10:50	10/22/15 02:28	1
Manganese	**0.0087**		0.0030	0.00040	mg/L		10/21/15 10:50	10/22/15 02:28	1
Nickel	**0.0072**	**J**	0.010	0.0013	mg/L		10/21/15 10:50	10/22/15 02:28	1
Potassium	**306**	**^**	0.50	0.10	mg/L		10/21/15 10:50	10/22/15 02:28	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: TP-08-102015
Date Collected: 10/20/15 14:40
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		10/21/15 10:50	10/22/15 02:28	1
Silver	ND		0.0060	0.0017	mg/L		10/21/15 10:50	10/22/15 02:28	1
Sodium	**60.3**		1.0	0.32	mg/L		10/21/15 10:50	10/22/15 02:28	1
Thallium	ND		0.020	0.010	mg/L		10/21/15 10:50	10/22/15 02:28	1
Vanadium	**0.0026**	**J**	0.0050	0.0015	mg/L		10/21/15 10:50	10/22/15 02:28	1
Zinc	**0.0048**	**J**	0.010	0.0015	mg/L		10/21/15 10:50	10/22/15 02:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.38**		0.010	0.0050	mg/L		11/03/15 07:45	11/03/15 15:07	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: TP-08-F-102015
Date Collected: 10/20/15 14:50
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	**0.74**	**J F2**	5.1	0.49	ug/L		10/21/15 14:53	10/23/15 20:11	1
2,4,6-Trichlorophenol	ND		5.1	0.63	ug/L		10/21/15 14:53	10/23/15 20:11	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/21/15 14:53	10/23/15 20:11	1
2,4-Dimethylphenol	**0.76**	**J**	5.1	0.51	ug/L		10/21/15 14:53	10/23/15 20:11	1
2,4-Dinitrophenol	ND	F2	10	2.3	ug/L		10/21/15 14:53	10/23/15 20:11	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/21/15 14:53	10/23/15 20:11	1
2,6-Dinitrotoluene	ND	F2	5.1	0.41	ug/L		10/21/15 14:53	10/23/15 20:11	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/21/15 14:53	10/23/15 20:11	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/21/15 14:53	10/23/15 20:11	1
2-Methylnaphthalene	ND	F2	5.1	0.62	ug/L		10/21/15 14:53	10/23/15 20:11	1
2-Methylphenol	**0.76**	**J**	5.1	0.41	ug/L		10/21/15 14:53	10/23/15 20:11	1
2-Nitroaniline	ND	F2	10	0.43	ug/L		10/21/15 14:53	10/23/15 20:11	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/21/15 14:53	10/23/15 20:11	1
3,3'-Dichlorobenzidine	ND	F1	5.1	0.41	ug/L		10/21/15 14:53	10/23/15 20:11	1
3-Nitroaniline	ND	F1	10	0.49	ug/L		10/21/15 14:53	10/23/15 20:11	1
4,6-Dinitro-2-methylphenol	ND	F2	10	2.3	ug/L		10/21/15 14:53	10/23/15 20:11	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/21/15 14:53	10/23/15 20:11	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/21/15 14:53	10/23/15 20:11	1
4-Chloroaniline	ND	F1	5.1	0.61	ug/L		10/21/15 14:53	10/23/15 20:11	1
4-Chlorophenyl phenyl ether	ND	F2	5.1	0.36	ug/L		10/21/15 14:53	10/23/15 20:11	1
4-Methylphenol	**1.2**	**J**	10	0.37	ug/L		10/21/15 14:53	10/23/15 20:11	1
4-Nitroaniline	ND		10	0.26	ug/L		10/21/15 14:53	10/23/15 20:11	1
4-Nitrophenol	ND		10	1.6	ug/L		10/21/15 14:53	10/23/15 20:11	1
Acenaphthene	ND		5.1	0.42	ug/L		10/21/15 14:53	10/23/15 20:11	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/21/15 14:53	10/23/15 20:11	1
Acetophenone	ND		5.1	0.56	ug/L		10/21/15 14:53	10/23/15 20:11	1
Anthracene	ND		5.1	0.29	ug/L		10/21/15 14:53	10/23/15 20:11	1
Atrazine	ND		5.1	0.47	ug/L		10/21/15 14:53	10/23/15 20:11	1
Benzaldehyde	**0.54**	**J**	5.1	0.27	ug/L		10/21/15 14:53	10/23/15 20:11	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/21/15 14:53	10/23/15 20:11	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/21/15 14:53	10/23/15 20:11	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/21/15 14:53	10/23/15 20:11	1
Benzo[g,h,i]perylene	ND	F2	5.1	0.36	ug/L		10/21/15 14:53	10/23/15 20:11	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/21/15 14:53	10/23/15 20:11	1
Biphenyl	ND		5.1	0.67	ug/L		10/21/15 14:53	10/23/15 20:11	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/21/15 14:53	10/23/15 20:11	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/21/15 14:53	10/23/15 20:11	1
Bis(2-chloroethyl)ether	ND	F2	5.1	0.41	ug/L		10/21/15 14:53	10/23/15 20:11	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.9	ug/L		10/21/15 14:53	10/23/15 20:11	1
Butyl benzyl phthalate	**0.69**	**J B**	5.1	0.43	ug/L		10/21/15 14:53	10/23/15 20:11	1
Caprolactam	ND	F1 F2	5.1	2.3	ug/L		10/21/15 14:53	10/23/15 20:11	1
Carbazole	ND		5.1	0.31	ug/L		10/21/15 14:53	10/23/15 20:11	1
Chrysene	ND		5.1	0.34	ug/L		10/21/15 14:53	10/23/15 20:11	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/21/15 14:53	10/23/15 20:11	1
Dibenzofuran	ND	F2	10	0.52	ug/L		10/21/15 14:53	10/23/15 20:11	1
Diethyl phthalate	ND	F2	5.1	0.23	ug/L		10/21/15 14:53	10/23/15 20:11	1
Dimethyl phthalate	ND	F2	5.1	0.37	ug/L		10/21/15 14:53	10/23/15 20:11	1
Di-n-butyl phthalate	ND	F2	5.1	0.32	ug/L		10/21/15 14:53	10/23/15 20:11	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/21/15 14:53	10/23/15 20:11	1

Client Sample ID: TP-08-F-102015

Date Collected: 10/20/15 14:50
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/21/15 14:53	10/23/15 20:11	1
Fluorene	ND	F2	5.1	0.37	ug/L		10/21/15 14:53	10/23/15 20:11	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/21/15 14:53	10/23/15 20:11	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/21/15 14:53	10/23/15 20:11	1
Hexachlorocyclopentadiene	ND	F1	5.1	0.61	ug/L		10/21/15 14:53	10/23/15 20:11	1
Hexachloroethane	ND		5.1	0.61	ug/L		10/21/15 14:53	10/23/15 20:11	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/21/15 14:53	10/23/15 20:11	1
Isophorone	ND	F2	5.1	0.44	ug/L		10/21/15 14:53	10/23/15 20:11	1
Naphthalene	ND	F2	5.1	0.78	ug/L		10/21/15 14:53	10/23/15 20:11	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/21/15 14:53	10/23/15 20:11	1
N-Nitrosodi-n-propylamine	ND		5.1	0.56	ug/L		10/21/15 14:53	10/23/15 20:11	1
N-Nitrosodiphenylamine	ND	F2	5.1	0.52	ug/L		10/21/15 14:53	10/23/15 20:11	1
Pentachlorophenol	ND		10	2.3	ug/L		10/21/15 14:53	10/23/15 20:11	1
Phenanthrene	ND		5.1	0.45	ug/L		10/21/15 14:53	10/23/15 20:11	1
Phenol	**0.79**	**J**	5.1	0.40	ug/L		10/21/15 14:53	10/23/15 20:11	1
Pyrene	ND		5.1	0.35	ug/L		10/21/15 14:53	10/23/15 20:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.3*	*T J*	*ug/L*		*3.30*		*10/21/15 14:53*	*10/23/15 20:11*	*1*
Cyclohexane	*33*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/21/15 14:53*	*10/23/15 20:11*	*1*
Unknown	*75*	*T J*	*ug/L*		*3.73*		*10/21/15 14:53*	*10/23/15 20:11*	*1*
2-Butanamine, (.+/-.)-	*8.1*	*T J N*	*ug/L*		*4.84*	*33966-50-6*	*10/21/15 14:53*	*10/23/15 20:11*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*5.46*		*10/21/15 14:53*	*10/23/15 20:11*	*1*
Decane	*2.8*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/21/15 14:53*	*10/23/15 20:11*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	*4.0*	*T J N*	*ug/L*		*7.74*	*464-49-3*	*10/21/15 14:53*	*10/23/15 20:11*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*6.7*	*T J N*	*ug/L*		*9.39*	*96-76-4*	*10/21/15 14:53*	*10/23/15 20:11*	*1*
Diphenyl sulfone	*12*	*T J N*	*ug/L*		*11.19*	*127-63-9*	*10/21/15 14:53*	*10/23/15 20:11*	*1*
Nonadecane	*1.9*	*T J N*	*ug/L*		*13.76*	*629-92-5*	*10/21/15 14:53*	*10/23/15 20:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*10/21/15 14:53*	*10/23/15 20:11*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*10/21/15 14:53*	*10/23/15 20:11*	*1*
2-Fluorophenol (Surr)	*55*		*20 - 120*	*10/21/15 14:53*	*10/23/15 20:11*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*10/21/15 14:53*	*10/23/15 20:11*	*1*
Phenol-d5 (Surr)	*37*		*16 - 120*	*10/21/15 14:53*	*10/23/15 20:11*	*1*
p-Terphenyl-d14 (Surr)	*88*		*67 - 150*	*10/21/15 14:53*	*10/23/15 20:11*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.2**		0.20	0.060	mg/L		10/21/15 10:50	10/22/15 02:31	1
Antimony	ND		0.020	0.0068	mg/L		10/21/15 10:50	10/22/15 02:31	1
Arsenic	**0.012**	**J**	0.015	0.0056	mg/L		10/21/15 10:50	10/22/15 02:31	1
Barium	**0.047**		0.0020	0.00070	mg/L		10/21/15 10:50	10/22/15 02:31	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/15 10:50	10/22/15 02:31	1
Cadmium	ND		0.0020	0.00050	mg/L		10/21/15 10:50	10/22/15 02:31	1
Calcium	**97.2**		0.50	0.10	mg/L		10/21/15 10:50	10/22/15 02:31	1
Chromium	ND		0.0040	0.0010	mg/L		10/21/15 10:50	10/22/15 02:31	1
Cobalt	**0.0014**	**J**	0.0040	0.00063	mg/L		10/21/15 10:50	10/22/15 02:31	1
Copper	**0.0038**	**J ^ B**	0.010	0.0016	mg/L		10/21/15 10:50	10/22/15 02:31	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: TP-08-F-102015
Date Collected: 10/20/15 14:50
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-6
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.6		0.050	0.019	mg/L		10/21/15 10:50	10/22/15 02:31	1
Lead	0.0039	J	0.010	0.0030	mg/L		10/21/15 10:50	10/22/15 02:31	1
Magnesium	ND		0.20	0.043	mg/L		10/21/15 10:50	10/22/15 02:31	1
Manganese	ND		0.0030	0.00040	mg/L		10/21/15 10:50	10/22/15 02:31	1
Nickel	0.0068	J	0.010	0.0013	mg/L		10/21/15 10:50	10/22/15 02:31	1
Potassium	301	^	0.50	0.10	mg/L		10/21/15 10:50	10/22/15 02:31	1
Selenium	ND		0.025	0.0087	mg/L		10/21/15 10:50	10/22/15 02:31	1
Silver	ND		0.0060	0.0017	mg/L		10/21/15 10:50	10/22/15 02:31	1
Sodium	59.4		1.0	0.32	mg/L		10/21/15 10:50	10/22/15 02:31	1
Thallium	ND		0.020	0.010	mg/L		10/21/15 10:50	10/22/15 02:31	1
Vanadium	0.0026	J	0.0050	0.0015	mg/L		10/21/15 10:50	10/22/15 02:31	1
Zinc	ND		0.010	0.0015	mg/L		10/21/15 10:50	10/22/15 02:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.57		0.050	0.025	mg/L		11/03/15 07:45	11/03/15 14:47	5

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: TP-10-102015
Date Collected: 10/20/15 09:20
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 20:40	5
2,4,6-Trichlorophenol	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 20:40	5
2,4-Dichlorophenol	ND		25	2.5	ug/L		10/21/15 14:53	10/23/15 20:40	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		10/21/15 14:53	10/23/15 20:40	5
2,4-Dinitrophenol	ND		50	11	ug/L		10/21/15 14:53	10/23/15 20:40	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		10/21/15 14:53	10/23/15 20:40	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 20:40	5
2-Chloronaphthalene	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 20:40	5
2-Chlorophenol	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 20:40	5
2-Methylnaphthalene	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 20:40	5
2-Methylphenol	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 20:40	5
2-Nitroaniline	ND		50	2.1	ug/L		10/21/15 14:53	10/23/15 20:40	5
2-Nitrophenol	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 20:40	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 20:40	5
3-Nitroaniline	ND		50	2.4	ug/L		10/21/15 14:53	10/23/15 20:40	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		10/21/15 14:53	10/23/15 20:40	5
4-Bromophenyl phenyl ether	ND		25	2.2	ug/L		10/21/15 14:53	10/23/15 20:40	5
4-Chloro-3-methylphenol	ND		25	2.2	ug/L		10/21/15 14:53	10/23/15 20:40	5
4-Chloroaniline	ND		25	2.9	ug/L		10/21/15 14:53	10/23/15 20:40	5
4-Chlorophenyl phenyl ether	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 20:40	5
4-Methylphenol	**4.2**	**J**	50	1.8	ug/L		10/21/15 14:53	10/23/15 20:40	5
4-Nitroaniline	ND		50	1.2	ug/L		10/21/15 14:53	10/23/15 20:40	5
4-Nitrophenol	ND		50	7.6	ug/L		10/21/15 14:53	10/23/15 20:40	5
Acenaphthene	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 20:40	5
Acenaphthylene	ND		25	1.9	ug/L		10/21/15 14:53	10/23/15 20:40	5
Acetophenone	ND		25	2.7	ug/L		10/21/15 14:53	10/23/15 20:40	5
Anthracene	ND		25	1.4	ug/L		10/21/15 14:53	10/23/15 20:40	5
Atrazine	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 20:40	5
Benzaldehyde	ND		25	1.3	ug/L		10/21/15 14:53	10/23/15 20:40	5
Benzo[a]anthracene	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 20:40	5
Benzo[a]pyrene	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 20:40	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 20:40	5
Benzo[g,h,i]perylene	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 20:40	5
Benzo[k]fluoranthene	ND		25	3.6	ug/L		10/21/15 14:53	10/23/15 20:40	5
Biphenyl	ND		25	3.2	ug/L		10/21/15 14:53	10/23/15 20:40	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 20:40	5
Bis(2-chloroethoxy)methane	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 20:40	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 20:40	5
Bis(2-ethylhexyl) phthalate	ND		25	8.9	ug/L		10/21/15 14:53	10/23/15 20:40	5
Butyl benzyl phthalate	ND		25	2.1	ug/L		10/21/15 14:53	10/23/15 20:40	5
Caprolactam	ND		25	11	ug/L		10/21/15 14:53	10/23/15 20:40	5
Carbazole	ND		25	1.5	ug/L		10/21/15 14:53	10/23/15 20:40	5
Chrysene	ND		25	1.6	ug/L		10/21/15 14:53	10/23/15 20:40	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/21/15 14:53	10/23/15 20:40	5
Dibenzofuran	ND		50	2.5	ug/L		10/21/15 14:53	10/23/15 20:40	5
Diethyl phthalate	ND		25	1.1	ug/L		10/21/15 14:53	10/23/15 20:40	5
Dimethyl phthalate	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 20:40	5
Di-n-butyl phthalate	ND		25	1.5	ug/L		10/21/15 14:53	10/23/15 20:40	5
Di-n-octyl phthalate	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 20:40	5

Client Sample ID: TP-10-102015

Date Collected: 10/20/15 09:20
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-7

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 20:40	5
Fluorene	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 20:40	5
Hexachlorobenzene	ND		25	2.5	ug/L		10/21/15 14:53	10/23/15 20:40	5
Hexachlorobutadiene	ND		25	3.4	ug/L		10/21/15 14:53	10/23/15 20:40	5
Hexachlorocyclopentadiene	ND		25	2.9	ug/L		10/21/15 14:53	10/23/15 20:40	5
Hexachloroethane	ND		25	2.9	ug/L		10/21/15 14:53	10/23/15 20:40	5
Indeno[1,2,3-cd]pyrene	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 20:40	5
Isophorone	ND		25	2.1	ug/L		10/21/15 14:53	10/23/15 20:40	5
Naphthalene	ND		25	3.8	ug/L		10/21/15 14:53	10/23/15 20:40	5
Nitrobenzene	ND		25	1.4	ug/L		10/21/15 14:53	10/23/15 20:40	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		10/21/15 14:53	10/23/15 20:40	5
N-Nitrosodiphenylamine	ND		25	2.5	ug/L		10/21/15 14:53	10/23/15 20:40	5
Pentachlorophenol	**11**	**J**	50	11	ug/L		10/21/15 14:53	10/23/15 20:40	5
Phenanthrene	ND		25	2.2	ug/L		10/21/15 14:53	10/23/15 20:40	5
Phenol	**28**		25	1.9	ug/L		10/21/15 14:53	10/23/15 20:40	5
Pyrene	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 20:40	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*63*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/21/15 14:53*	*10/23/15 20:40*	*5*
Unknown	*86*	*T J*	*ug/L*		*3.72*		*10/21/15 14:53*	*10/23/15 20:40*	*5*
Unknown	*23*	*T J*	*ug/L*		*5.44*		*10/21/15 14:53*	*10/23/15 20:40*	*5*
Unknown	*10*	*T J*	*ug/L*		*5.52*		*10/21/15 14:53*	*10/23/15 20:40*	*5*
Benzeneacetic acid	*20*	*T J N*	*ug/L*		*8.13*	*103-82-2*	*10/21/15 14:53*	*10/23/15 20:40*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*52 - 132*	*10/21/15 14:53*	*10/23/15 20:40*	*5*
2-Fluorobiphenyl	*82*		*48 - 120*	*10/21/15 14:53*	*10/23/15 20:40*	*5*
2-Fluorophenol (Surr)	*54*		*20 - 120*	*10/21/15 14:53*	*10/23/15 20:40*	*5*
Nitrobenzene-d5 (Surr)	*67*		*46 - 120*	*10/21/15 14:53*	*10/23/15 20:40*	*5*
Phenol-d5 (Surr)	*37*		*16 - 120*	*10/21/15 14:53*	*10/23/15 20:40*	*5*
p-Terphenyl-d14 (Surr)	*76*		*67 - 150*	*10/21/15 14:53*	*10/23/15 20:40*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4.3**		0.20	0.060	mg/L		10/21/15 10:50	10/22/15 02:47	1
Antimony	ND		0.020	0.0068	mg/L		10/21/15 10:50	10/22/15 02:47	1
Arsenic	**0.052**		0.015	0.0056	mg/L		10/21/15 10:50	10/22/15 02:47	1
Barium	**0.0063**		0.0020	0.00070	mg/L		10/21/15 10:50	10/22/15 02:47	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/15 10:50	10/22/15 02:47	1
Cadmium	ND		0.0020	0.00050	mg/L		10/21/15 10:50	10/22/15 02:47	1
Calcium	**23.4**		0.50	0.10	mg/L		10/21/15 10:50	10/22/15 02:47	1
Chromium	**0.0036**	**J**	0.0040	0.0010	mg/L		10/21/15 10:50	10/22/15 02:47	1
Cobalt	**0.0036**	**J**	0.0040	0.00063	mg/L		10/21/15 10:50	10/22/15 02:47	1
Copper	**0.0033**	**J B ^**	0.010	0.0016	mg/L		10/21/15 10:50	10/22/15 02:47	1
Iron	**2.2**		0.050	0.019	mg/L		10/21/15 10:50	10/22/15 02:47	1
Lead	**0.0098**	**J**	0.010	0.0030	mg/L		10/21/15 10:50	10/22/15 02:47	1
Magnesium	**0.10**	**J**	0.20	0.043	mg/L		10/21/15 10:50	10/22/15 02:47	1
Manganese	**0.0064**		0.0030	0.00040	mg/L		10/21/15 10:50	10/22/15 02:47	1
Nickel	**0.013**		0.010	0.0013	mg/L		10/21/15 10:50	10/22/15 02:47	1
Potassium	**1420**	**^**	2.5	0.50	mg/L		10/21/15 10:50	10/22/15 10:54	5

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: TP-10-102015
Date Collected: 10/20/15 09:20
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-7
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.013	J	0.025	0.0087	mg/L		10/21/15 10:50	10/22/15 02:47	1
Silver	ND		0.0060	0.0017	mg/L		10/21/15 10:50	10/22/15 02:47	1
Sodium	159		1.0	0.32	mg/L		10/21/15 10:50	10/22/15 02:47	1
Thallium	ND		0.020	0.010	mg/L		10/21/15 10:50	10/22/15 02:47	1
Vanadium	0.033		0.0050	0.0015	mg/L		10/21/15 10:50	10/22/15 02:47	1
Zinc	0.0058	J	0.010	0.0015	mg/L		10/21/15 10:50	10/22/15 02:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	5.5		0.20	0.10	mg/L		10/30/15 14:14	11/02/15 15:57	20

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: TP-10-F-102015
Date Collected: 10/20/15 09:30
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 21:09	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		10/21/15 14:53	10/23/15 21:09	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 21:09	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		10/21/15 14:53	10/23/15 21:09	5
2,4-Dinitrophenol	ND		50	11	ug/L		10/21/15 14:53	10/23/15 21:09	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		10/21/15 14:53	10/23/15 21:09	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 21:09	5
2-Chloronaphthalene	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 21:09	5
2-Chlorophenol	ND		25	2.7	ug/L		10/21/15 14:53	10/23/15 21:09	5
2-Methylnaphthalene	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 21:09	5
2-Methylphenol	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 21:09	5
2-Nitroaniline	ND		50	2.1	ug/L		10/21/15 14:53	10/23/15 21:09	5
2-Nitrophenol	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 21:09	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 21:09	5
3-Nitroaniline	ND		50	2.4	ug/L		10/21/15 14:53	10/23/15 21:09	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		10/21/15 14:53	10/23/15 21:09	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 21:09	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 21:09	5
4-Chloroaniline	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 21:09	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 21:09	5
4-Methylphenol	**4.6**	**J**	50	1.8	ug/L		10/21/15 14:53	10/23/15 21:09	5
4-Nitroaniline	ND		50	1.3	ug/L		10/21/15 14:53	10/23/15 21:09	5
4-Nitrophenol	ND		50	7.6	ug/L		10/21/15 14:53	10/23/15 21:09	5
Acenaphthene	ND		25	2.1	ug/L		10/21/15 14:53	10/23/15 21:09	5
Acenaphthylene	ND		25	1.9	ug/L		10/21/15 14:53	10/23/15 21:09	5
Acetophenone	ND		25	2.7	ug/L		10/21/15 14:53	10/23/15 21:09	5
Anthracene	ND		25	1.4	ug/L		10/21/15 14:53	10/23/15 21:09	5
Atrazine	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 21:09	5
Benzaldehyde	ND		25	1.3	ug/L		10/21/15 14:53	10/23/15 21:09	5
Benzo[a]anthracene	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 21:09	5
Benzo[a]pyrene	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 21:09	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 21:09	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 21:09	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		10/21/15 14:53	10/23/15 21:09	5
Biphenyl	ND		25	3.3	ug/L		10/21/15 14:53	10/23/15 21:09	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 21:09	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 21:09	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 21:09	5
Bis(2-ethylhexyl) phthalate	ND		25	9.0	ug/L		10/21/15 14:53	10/23/15 21:09	5
Butyl benzyl phthalate	ND		25	2.1	ug/L		10/21/15 14:53	10/23/15 21:09	5
Caprolactam	ND		25	11	ug/L		10/21/15 14:53	10/23/15 21:09	5
Carbazole	ND		25	1.5	ug/L		10/21/15 14:53	10/23/15 21:09	5
Chrysene	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 21:09	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/21/15 14:53	10/23/15 21:09	5
Dibenzofuran	ND		50	2.6	ug/L		10/21/15 14:53	10/23/15 21:09	5
Diethyl phthalate	ND		25	1.1	ug/L		10/21/15 14:53	10/23/15 21:09	5
Dimethyl phthalate	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 21:09	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		10/21/15 14:53	10/23/15 21:09	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 21:09	5

Client Sample ID: TP-10-F-102015

Date Collected: 10/20/15 09:30
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-8

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 21:09	5
Fluorene	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 21:09	5
Hexachlorobenzene	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 21:09	5
Hexachlorobutadiene	ND		25	3.4	ug/L		10/21/15 14:53	10/23/15 21:09	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 21:09	5
Hexachloroethane	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 21:09	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 21:09	5
Isophorone	ND		25	2.2	ug/L		10/21/15 14:53	10/23/15 21:09	5
Naphthalene	ND		25	3.8	ug/L		10/21/15 14:53	10/23/15 21:09	5
Nitrobenzene	ND		25	1.5	ug/L		10/21/15 14:53	10/23/15 21:09	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		10/21/15 14:53	10/23/15 21:09	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 21:09	5
Pentachlorophenol	**12**	**J**	50	11	ug/L		10/21/15 14:53	10/23/15 21:09	5
Phenanthrene	ND		25	2.2	ug/L		10/21/15 14:53	10/23/15 21:09	5
Phenol	**31**		25	2.0	ug/L		10/21/15 14:53	10/23/15 21:09	5
Pyrene	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 21:09	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*68*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/21/15 14:53*	*10/23/15 21:09*	*5*
Unknown	*95*	*T J*	*ug/L*		*3.72*		*10/21/15 14:53*	*10/23/15 21:09*	*5*
Unknown	*81*	*T J*	*ug/L*		*5.46*		*10/21/15 14:53*	*10/23/15 21:09*	*5*
Unknown	*9.1*	*T J*	*ug/L*		*5.52*		*10/21/15 14:53*	*10/23/15 21:09*	*5*
Benzeneacetic acid	*22*	*T J N*	*ug/L*		*8.13*	*103-82-2*	*10/21/15 14:53*	*10/23/15 21:09*	*5*
(Z)-4-Decen-1-ol	*32*	*T J N*	*ug/L*		*8.63*	*57074-37-0*	*10/21/15 14:53*	*10/23/15 21:09*	*5*
1H-Benzocyclohepten-7-ol, 2,3,4,4a,5,6,7	*8.7*	*T J N*	*ug/L*		*10.00*	*6892-80-4*	*10/21/15 14:53*	*10/23/15 21:09*	*5*
Cedryl propyl ether	*15*	*T J N*	*ug/L*		*10.03*	*1000131-90-6*	*10/21/15 14:53*	*10/23/15 21:09*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*52 - 132*	*10/21/15 14:53*	*10/23/15 21:09*	*5*
2-Fluorobiphenyl	*88*		*48 - 120*	*10/21/15 14:53*	*10/23/15 21:09*	*5*
2-Fluorophenol (Surr)	*62*		*20 - 120*	*10/21/15 14:53*	*10/23/15 21:09*	*5*
Nitrobenzene-d5 (Surr)	*74*		*46 - 120*	*10/21/15 14:53*	*10/23/15 21:09*	*5*
Phenol-d5 (Surr)	*40*		*16 - 120*	*10/21/15 14:53*	*10/23/15 21:09*	*5*
p-Terphenyl-d14 (Surr)	*91*		*67 - 150*	*10/21/15 14:53*	*10/23/15 21:09*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4.2**		0.20	0.060	mg/L		10/21/15 10:50	10/22/15 02:51	1
Antimony	ND		0.020	0.0068	mg/L		10/21/15 10:50	10/22/15 02:51	1
Arsenic	**0.070**		0.015	0.0056	mg/L		10/21/15 10:50	10/22/15 02:51	1
Barium	**0.0029**		0.0020	0.00070	mg/L		10/21/15 10:50	10/22/15 02:51	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/15 10:50	10/22/15 02:51	1
Cadmium	ND		0.0020	0.00050	mg/L		10/21/15 10:50	10/22/15 02:51	1
Calcium	**22.5**		0.50	0.10	mg/L		10/21/15 10:50	10/22/15 02:51	1
Chromium	**0.0050**		0.0040	0.0010	mg/L		10/21/15 10:50	10/22/15 02:51	1
Cobalt	**0.0039**	**J**	0.0040	0.00063	mg/L		10/21/15 10:50	10/22/15 02:51	1
Copper	**0.0038**	**J B ^**	0.010	0.0016	mg/L		10/21/15 10:50	10/22/15 02:51	1
Iron	**2.3**		0.050	0.019	mg/L		10/21/15 10:50	10/22/15 02:51	1
Lead	**0.0080**	**J**	0.010	0.0030	mg/L		10/21/15 10:50	10/22/15 02:51	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: TP-10-F-102015
Date Collected: 10/20/15 09:30
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-8
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	ND		0.20	0.043	mg/L		10/21/15 10:50	10/22/15 02:51	1
Manganese	**0.00098**	**J**	0.0030	0.00040	mg/L		10/21/15 10:50	10/22/15 02:51	1
Nickel	**0.024**		0.010	0.0013	mg/L		10/21/15 10:50	10/22/15 02:51	1
Potassium	**1420**	**^**	2.5	0.50	mg/L		10/21/15 10:50	10/22/15 10:58	5
Selenium	**0.012**	**J**	0.025	0.0087	mg/L		10/21/15 10:50	10/22/15 02:51	1
Silver	ND		0.0060	0.0017	mg/L		10/21/15 10:50	10/22/15 02:51	1
Sodium	**160**		1.0	0.32	mg/L		10/21/15 10:50	10/22/15 02:51	1
Thallium	ND		0.020	0.010	mg/L		10/21/15 10:50	10/22/15 02:51	1
Vanadium	**0.062**		0.0050	0.0015	mg/L		10/21/15 10:50	10/22/15 02:51	1
Zinc	**0.0020**	**J**	0.010	0.0015	mg/L		10/21/15 10:50	10/22/15 02:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**5.4**		0.20	0.10	mg/L		10/30/15 14:14	11/02/15 15:58	20

Client Sample ID: TP-09-102015
Date Collected: 10/20/15 13:46
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 21:38	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		10/21/15 14:53	10/23/15 21:38	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 21:38	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		10/21/15 14:53	10/23/15 21:38	5
2,4-Dinitrophenol	ND		50	11	ug/L		10/21/15 14:53	10/23/15 21:38	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		10/21/15 14:53	10/23/15 21:38	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 21:38	5
2-Chloronaphthalene	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 21:38	5
2-Chlorophenol	ND		25	2.7	ug/L		10/21/15 14:53	10/23/15 21:38	5
2-Methylnaphthalene	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 21:38	5
2-Methylphenol	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 21:38	5
2-Nitroaniline	ND		50	2.1	ug/L		10/21/15 14:53	10/23/15 21:38	5
2-Nitrophenol	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 21:38	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 21:38	5
3-Nitroaniline	ND		50	2.4	ug/L		10/21/15 14:53	10/23/15 21:38	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		10/21/15 14:53	10/23/15 21:38	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 21:38	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 21:38	5
4-Chloroaniline	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 21:38	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 21:38	5
4-Methylphenol	**2.3**	**J**	50	1.8	ug/L		10/21/15 14:53	10/23/15 21:38	5
4-Nitroaniline	ND		50	1.3	ug/L		10/21/15 14:53	10/23/15 21:38	5
4-Nitrophenol	ND		50	7.6	ug/L		10/21/15 14:53	10/23/15 21:38	5
Acenaphthene	ND		25	2.1	ug/L		10/21/15 14:53	10/23/15 21:38	5
Acenaphthylene	ND		25	1.9	ug/L		10/21/15 14:53	10/23/15 21:38	5
Acetophenone	ND		25	2.7	ug/L		10/21/15 14:53	10/23/15 21:38	5
Anthracene	ND		25	1.4	ug/L		10/21/15 14:53	10/23/15 21:38	5
Atrazine	ND		25	2.3	ug/L		10/21/15 14:53	10/23/15 21:38	5
Benzaldehyde	ND		25	1.3	ug/L		10/21/15 14:53	10/23/15 21:38	5
Benzo[a]anthracene	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 21:38	5
Benzo[a]pyrene	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 21:38	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 21:38	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 21:38	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		10/21/15 14:53	10/23/15 21:38	5
Biphenyl	ND		25	3.3	ug/L		10/21/15 14:53	10/23/15 21:38	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 21:38	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 21:38	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 21:38	5
Bis(2-ethylhexyl) phthalate	ND		25	9.0	ug/L		10/21/15 14:53	10/23/15 21:38	5
Butyl benzyl phthalate	ND		25	2.1	ug/L		10/21/15 14:53	10/23/15 21:38	5
Caprolactam	ND		25	11	ug/L		10/21/15 14:53	10/23/15 21:38	5
Carbazole	ND		25	1.5	ug/L		10/21/15 14:53	10/23/15 21:38	5
Chrysene	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 21:38	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/21/15 14:53	10/23/15 21:38	5
Dibenzofuran	ND		50	2.6	ug/L		10/21/15 14:53	10/23/15 21:38	5
Diethyl phthalate	ND		25	1.1	ug/L		10/21/15 14:53	10/23/15 21:38	5
Dimethyl phthalate	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 21:38	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		10/21/15 14:53	10/23/15 21:38	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 21:38	5

Client Sample ID: TP-09-102015

Date Collected: 10/20/15 13:46
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-9

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		25	2.0	ug/L		10/21/15 14:53	10/23/15 21:38	5
Fluorene	ND		25	1.8	ug/L		10/21/15 14:53	10/23/15 21:38	5
Hexachlorobenzene	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 21:38	5
Hexachlorobutadiene	ND		25	3.4	ug/L		10/21/15 14:53	10/23/15 21:38	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 21:38	5
Hexachloroethane	ND		25	3.0	ug/L		10/21/15 14:53	10/23/15 21:38	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		10/21/15 14:53	10/23/15 21:38	5
Isophorone	ND		25	2.2	ug/L		10/21/15 14:53	10/23/15 21:38	5
Naphthalene	ND		25	3.8	ug/L		10/21/15 14:53	10/23/15 21:38	5
Nitrobenzene	ND		25	1.5	ug/L		10/21/15 14:53	10/23/15 21:38	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		10/21/15 14:53	10/23/15 21:38	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		10/21/15 14:53	10/23/15 21:38	5
Pentachlorophenol	ND		50	11	ug/L		10/21/15 14:53	10/23/15 21:38	5
Phenanthrene	ND		25	2.2	ug/L		10/21/15 14:53	10/23/15 21:38	5
Phenol	**23**	**J**	25	2.0	ug/L		10/21/15 14:53	10/23/15 21:38	5
Pyrene	ND		25	1.7	ug/L		10/21/15 14:53	10/23/15 21:38	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*64*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/21/15 14:53*	*10/23/15 21:38*	*5*
Unknown	*85*	*T J*	*ug/L*		*3.73*		*10/21/15 14:53*	*10/23/15 21:38*	*5*
Unknown	*16*	*T J*	*ug/L*		*5.43*		*10/21/15 14:53*	*10/23/15 21:38*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*52 - 132*	*10/21/15 14:53*	*10/23/15 21:38*	*5*
2-Fluorobiphenyl	*73*		*48 - 120*	*10/21/15 14:53*	*10/23/15 21:38*	*5*
2-Fluorophenol (Surr)	*50*		*20 - 120*	*10/21/15 14:53*	*10/23/15 21:38*	*5*
Nitrobenzene-d5 (Surr)	*62*		*46 - 120*	*10/21/15 14:53*	*10/23/15 21:38*	*5*
Phenol-d5 (Surr)	*32*		*16 - 120*	*10/21/15 14:53*	*10/23/15 21:38*	*5*
p-Terphenyl-d14 (Surr)	*57*	*X*	*67 - 150*	*10/21/15 14:53*	*10/23/15 21:38*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3.4**		0.20	0.060	mg/L		10/21/15 10:50	10/22/15 03:04	1
Antimony	ND		0.020	0.0068	mg/L		10/21/15 10:50	10/22/15 03:04	1
Arsenic	**0.035**		0.015	0.0056	mg/L		10/21/15 10:50	10/22/15 03:04	1
Barium	**0.0065**		0.0020	0.00070	mg/L		10/21/15 10:50	10/22/15 03:04	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/15 10:50	10/22/15 03:04	1
Cadmium	ND		0.0020	0.00050	mg/L		10/21/15 10:50	10/22/15 03:04	1
Calcium	**34.6**		0.50	0.10	mg/L		10/21/15 10:50	10/22/15 03:04	1
Chromium	**0.017**		0.0040	0.0010	mg/L		10/21/15 10:50	10/22/15 03:04	1
Cobalt	**0.0011**	**J**	0.0040	0.00063	mg/L		10/21/15 10:50	10/22/15 03:04	1
Copper	**0.0063**	**J B ^**	0.010	0.0016	mg/L		10/21/15 10:50	10/22/15 03:04	1
Iron	**0.43**		0.050	0.019	mg/L		10/21/15 10:50	10/22/15 03:04	1
Lead	**0.0051**	**J**	0.010	0.0030	mg/L		10/21/15 10:50	10/22/15 03:04	1
Magnesium	**0.099**	**J**	0.20	0.043	mg/L		10/21/15 10:50	10/22/15 03:04	1
Manganese	**0.017**		0.0030	0.00040	mg/L		10/21/15 10:50	10/22/15 03:04	1
Nickel	**0.043**		0.010	0.0013	mg/L		10/21/15 10:50	10/22/15 03:04	1
Potassium	**729**	**^**	1.0	0.20	mg/L		10/21/15 10:50	10/22/15 11:01	2
Selenium	**0.013**	**J**	0.025	0.0087	mg/L		10/21/15 10:50	10/22/15 03:04	1
Silver	ND		0.0060	0.0017	mg/L		10/21/15 10:50	10/22/15 03:04	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: TP-09-102015
Date Collected: 10/20/15 13:46
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-9
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	79.4		1.0	0.32	mg/L		10/21/15 10:50	10/22/15 03:04	1
Thallium	ND		0.020	0.010	mg/L		10/21/15 10:50	10/22/15 03:04	1
Vanadium	0.083		0.0050	0.0015	mg/L		10/21/15 10:50	10/22/15 03:04	1
Zinc	0.015		0.010	0.0015	mg/L		10/21/15 10:50	10/22/15 03:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.10		0.010	0.0050	mg/L		10/30/15 14:14	11/02/15 12:02	1

Client Sample ID: TP-09-F-102015
Date Collected: 10/20/15 13:53
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/21/15 14:53	10/23/15 22:08	1
2,4,6-Trichlorophenol	ND		5.0	0.62	ug/L		10/21/15 14:53	10/23/15 22:08	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/21/15 14:53	10/23/15 22:08	1
2,4-Dimethylphenol	**0.62**	**J**	5.0	0.50	ug/L		10/21/15 14:53	10/23/15 22:08	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/21/15 14:53	10/23/15 22:08	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/21/15 14:53	10/23/15 22:08	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/21/15 14:53	10/23/15 22:08	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/21/15 14:53	10/23/15 22:08	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/21/15 14:53	10/23/15 22:08	1
2-Methylnaphthalene	ND		5.0	0.61	ug/L		10/21/15 14:53	10/23/15 22:08	1
2-Methylphenol	**0.67**	**J**	5.0	0.40	ug/L		10/21/15 14:53	10/23/15 22:08	1
2-Nitroaniline	ND		10	0.42	ug/L		10/21/15 14:53	10/23/15 22:08	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/21/15 14:53	10/23/15 22:08	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/21/15 14:53	10/23/15 22:08	1
3-Nitroaniline	ND		10	0.48	ug/L		10/21/15 14:53	10/23/15 22:08	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/21/15 14:53	10/23/15 22:08	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/21/15 14:53	10/23/15 22:08	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/21/15 14:53	10/23/15 22:08	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/21/15 14:53	10/23/15 22:08	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/21/15 14:53	10/23/15 22:08	1
4-Methylphenol	**2.8**	**J**	10	0.36	ug/L		10/21/15 14:53	10/23/15 22:08	1
4-Nitroaniline	ND		10	0.25	ug/L		10/21/15 14:53	10/23/15 22:08	1
4-Nitrophenol	**1.8**	**J**	10	1.5	ug/L		10/21/15 14:53	10/23/15 22:08	1
Acenaphthene	ND		5.0	0.41	ug/L		10/21/15 14:53	10/23/15 22:08	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/21/15 14:53	10/23/15 22:08	1
Acetophenone	ND		5.0	0.54	ug/L		10/21/15 14:53	10/23/15 22:08	1
Anthracene	ND		5.0	0.28	ug/L		10/21/15 14:53	10/23/15 22:08	1
Atrazine	ND		5.0	0.46	ug/L		10/21/15 14:53	10/23/15 22:08	1
Benzaldehyde	**1.2**	**J**	5.0	0.27	ug/L		10/21/15 14:53	10/23/15 22:08	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/21/15 14:53	10/23/15 22:08	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/21/15 14:53	10/23/15 22:08	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/21/15 14:53	10/23/15 22:08	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/21/15 14:53	10/23/15 22:08	1
Benzo[k]fluoranthene	ND		5.0	0.74	ug/L		10/21/15 14:53	10/23/15 22:08	1
Biphenyl	ND		5.0	0.66	ug/L		10/21/15 14:53	10/23/15 22:08	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/21/15 14:53	10/23/15 22:08	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/21/15 14:53	10/23/15 22:08	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/21/15 14:53	10/23/15 22:08	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/21/15 14:53	10/23/15 22:08	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		10/21/15 14:53	10/23/15 22:08	1
Caprolactam	ND		5.0	2.2	ug/L		10/21/15 14:53	10/23/15 22:08	1
Carbazole	ND		5.0	0.30	ug/L		10/21/15 14:53	10/23/15 22:08	1
Chrysene	ND		5.0	0.33	ug/L		10/21/15 14:53	10/23/15 22:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/21/15 14:53	10/23/15 22:08	1
Dibenzofuran	ND		10	0.51	ug/L		10/21/15 14:53	10/23/15 22:08	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/21/15 14:53	10/23/15 22:08	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/21/15 14:53	10/23/15 22:08	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/21/15 14:53	10/23/15 22:08	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/21/15 14:53	10/23/15 22:08	1

Client Sample ID: TP-09-F-102015

Date Collected: 10/20/15 13:53
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-10

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/21/15 14:53	10/23/15 22:08	1
Fluorene	ND		5.0	0.36	ug/L		10/21/15 14:53	10/23/15 22:08	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/21/15 14:53	10/23/15 22:08	1
Hexachlorobutadiene	ND		5.0	0.69	ug/L		10/21/15 14:53	10/23/15 22:08	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/21/15 14:53	10/23/15 22:08	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/21/15 14:53	10/23/15 22:08	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/21/15 14:53	10/23/15 22:08	1
Isophorone	ND		5.0	0.43	ug/L		10/21/15 14:53	10/23/15 22:08	1
Naphthalene	**0.87**	**J**	5.0	0.77	ug/L		10/21/15 14:53	10/23/15 22:08	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/21/15 14:53	10/23/15 22:08	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/21/15 14:53	10/23/15 22:08	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/21/15 14:53	10/23/15 22:08	1
Pentachlorophenol	**2.5**	**J**	10	2.2	ug/L		10/21/15 14:53	10/23/15 22:08	1
Phenanthrene	ND		5.0	0.44	ug/L		10/21/15 14:53	10/23/15 22:08	1
Phenol	**26**		5.0	0.39	ug/L		10/21/15 14:53	10/23/15 22:08	1
Pyrene	ND		5.0	0.34	ug/L		10/21/15 14:53	10/23/15 22:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.0*	*T J*	*ug/L*		*3.16*		*10/21/15 14:53*	*10/23/15 22:08*	*1*
Unknown	*4.7*	*T J*	*ug/L*		*3.31*		*10/21/15 14:53*	*10/23/15 22:08*	*1*
Cyclohexane	*37*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
Unknown	*79*	*T J*	*ug/L*		*3.73*		*10/21/15 14:53*	*10/23/15 22:08*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*4.85*		*10/21/15 14:53*	*10/23/15 22:08*	*1*
Unknown	*18*	*T J*	*ug/L*		*5.46*		*10/21/15 14:53*	*10/23/15 22:08*	*1*
Unknown	*6.5*	*T J*	*ug/L*		*5.50*		*10/21/15 14:53*	*10/23/15 22:08*	*1*
1,3-Butadiene, 2-methyl-	*2.3*	*T J N*	*ug/L*		*7.36*	*78-79-5*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
Benzoic Acid	*2.4*	*T J N*	*ug/L*		*7.69*	*65-85-0*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	*3.1*	*T J N*	*ug/L*		*7.73*	*464-49-3*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
Benzeneacetic acid	*10*	*T J N*	*ug/L*		*8.14*	*103-82-2*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
Benzenepropanoic acid	*1.6*	*T J N*	*ug/L*		*8.58*	*501-52-0*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*3.5*	*T J N*	*ug/L*		*9.39*	*96-76-4*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
Diphenyl sulfone	*1.8*	*T J N*	*ug/L*		*11.19*	*127-63-9*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*11.35*		*10/21/15 14:53*	*10/23/15 22:08*	*1*
Unknown	*8.6*	*T J*	*ug/L*		*12.39*		*10/21/15 14:53*	*10/23/15 22:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*52 - 132*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
2-Fluorobiphenyl	*79*		*48 - 120*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
2-Fluorophenol (Surr)	*53*		*20 - 120*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 120*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
Phenol-d5 (Surr)	*37*		*16 - 120*	*10/21/15 14:53*	*10/23/15 22:08*	*1*
p-Terphenyl-d14 (Surr)	*68*		*67 - 150*	*10/21/15 14:53*	*10/23/15 22:08*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3.2**		0.20	0.060	mg/L		10/21/15 10:50	10/22/15 03:07	1
Antimony	ND		0.020	0.0068	mg/L		10/21/15 10:50	10/22/15 03:07	1
Arsenic	**0.029**		0.015	0.0056	mg/L		10/21/15 10:50	10/22/15 03:07	1
Barium	**0.0059**		0.0020	0.00070	mg/L		10/21/15 10:50	10/22/15 03:07	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: TP-09-F-102015
Date Collected: 10/20/15 13:53
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-10
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		10/21/15 10:50	10/22/15 03:07	1
Cadmium	ND		0.0020	0.00050	mg/L		10/21/15 10:50	10/22/15 03:07	1
Calcium	**33.5**		0.50	0.10	mg/L		10/21/15 10:50	10/22/15 03:07	1
Chromium	**0.0074**		0.0040	0.0010	mg/L		10/21/15 10:50	10/22/15 03:07	1
Cobalt	**0.00071**	**J**	0.0040	0.00063	mg/L		10/21/15 10:50	10/22/15 03:07	1
Copper	**0.0039**	**J B ^**	0.010	0.0016	mg/L		10/21/15 10:50	10/22/15 03:07	1
Iron	**0.31**		0.050	0.019	mg/L		10/21/15 10:50	10/22/15 03:07	1
Lead	ND		0.010	0.0030	mg/L		10/21/15 10:50	10/22/15 03:07	1
Magnesium	ND		0.20	0.043	mg/L		10/21/15 10:50	10/22/15 03:07	1
Manganese	**0.012**		0.0030	0.00040	mg/L		10/21/15 10:50	10/22/15 03:07	1
Nickel	**0.036**		0.010	0.0013	mg/L		10/21/15 10:50	10/22/15 03:07	1
Potassium	**733**	**^**	1.0	0.20	mg/L		10/21/15 10:50	10/22/15 11:04	2
Selenium	**0.013**	**J**	0.025	0.0087	mg/L		10/21/15 10:50	10/22/15 03:07	1
Silver	ND		0.0060	0.0017	mg/L		10/21/15 10:50	10/22/15 03:07	1
Sodium	**78.5**		1.0	0.32	mg/L		10/21/15 10:50	10/22/15 03:07	1
Thallium	ND		0.020	0.010	mg/L		10/21/15 10:50	10/22/15 03:07	1
Vanadium	**0.063**		0.0050	0.0015	mg/L		10/21/15 10:50	10/22/15 03:07	1
Zinc	**0.0087**	**J**	0.010	0.0015	mg/L		10/21/15 10:50	10/22/15 03:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.096**	**F1**	0.010	0.0050	mg/L		10/30/15 14:14	11/02/15 12:07	1

Client Sample ID: FB-102015

Date Collected: 10/20/15 16:00
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-11

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/21/15 14:53	10/23/15 22:37	1
2,4,6-Trichlorophenol	ND		5.1	0.63	ug/L		10/21/15 14:53	10/23/15 22:37	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/21/15 14:53	10/23/15 22:37	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/21/15 14:53	10/23/15 22:37	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/21/15 14:53	10/23/15 22:37	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/21/15 14:53	10/23/15 22:37	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/21/15 14:53	10/23/15 22:37	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/21/15 14:53	10/23/15 22:37	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/21/15 14:53	10/23/15 22:37	1
2-Methylnaphthalene	ND		5.1	0.62	ug/L		10/21/15 14:53	10/23/15 22:37	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/21/15 14:53	10/23/15 22:37	1
2-Nitroaniline	ND		10	0.43	ug/L		10/21/15 14:53	10/23/15 22:37	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/21/15 14:53	10/23/15 22:37	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/21/15 14:53	10/23/15 22:37	1
3-Nitroaniline	ND		10	0.49	ug/L		10/21/15 14:53	10/23/15 22:37	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/21/15 14:53	10/23/15 22:37	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/21/15 14:53	10/23/15 22:37	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/21/15 14:53	10/23/15 22:37	1
4-Chloroaniline	ND		5.1	0.61	ug/L		10/21/15 14:53	10/23/15 22:37	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/21/15 14:53	10/23/15 22:37	1
4-Methylphenol	ND		10	0.37	ug/L		10/21/15 14:53	10/23/15 22:37	1
4-Nitroaniline	ND		10	0.26	ug/L		10/21/15 14:53	10/23/15 22:37	1
4-Nitrophenol	ND		10	1.6	ug/L		10/21/15 14:53	10/23/15 22:37	1
Acenaphthene	ND		5.1	0.42	ug/L		10/21/15 14:53	10/23/15 22:37	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/21/15 14:53	10/23/15 22:37	1
Acetophenone	ND		5.1	0.56	ug/L		10/21/15 14:53	10/23/15 22:37	1
Anthracene	ND		5.1	0.29	ug/L		10/21/15 14:53	10/23/15 22:37	1
Atrazine	ND		5.1	0.47	ug/L		10/21/15 14:53	10/23/15 22:37	1
Benzaldehyde	**0.64**	**J**	5.1	0.27	ug/L		10/21/15 14:53	10/23/15 22:37	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/21/15 14:53	10/23/15 22:37	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/21/15 14:53	10/23/15 22:37	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/21/15 14:53	10/23/15 22:37	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/21/15 14:53	10/23/15 22:37	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/21/15 14:53	10/23/15 22:37	1
Biphenyl	ND		5.1	0.67	ug/L		10/21/15 14:53	10/23/15 22:37	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/21/15 14:53	10/23/15 22:37	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/21/15 14:53	10/23/15 22:37	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/21/15 14:53	10/23/15 22:37	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.9	ug/L		10/21/15 14:53	10/23/15 22:37	1
Butyl benzyl phthalate	**0.62**	**J B**	5.1	0.43	ug/L		10/21/15 14:53	10/23/15 22:37	1
Caprolactam	ND		5.1	2.3	ug/L		10/21/15 14:53	10/23/15 22:37	1
Carbazole	ND		5.1	0.31	ug/L		10/21/15 14:53	10/23/15 22:37	1
Chrysene	ND		5.1	0.34	ug/L		10/21/15 14:53	10/23/15 22:37	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/21/15 14:53	10/23/15 22:37	1
Dibenzofuran	ND		10	0.52	ug/L		10/21/15 14:53	10/23/15 22:37	1
Diethyl phthalate	ND		5.1	0.23	ug/L		10/21/15 14:53	10/23/15 22:37	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/21/15 14:53	10/23/15 22:37	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/21/15 14:53	10/23/15 22:37	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/21/15 14:53	10/23/15 22:37	1

Client Sample ID: FB-102015

Date Collected: 10/20/15 16:00
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-11

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/21/15 14:53	10/23/15 22:37	1
Fluorene	ND		5.1	0.37	ug/L		10/21/15 14:53	10/23/15 22:37	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/21/15 14:53	10/23/15 22:37	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/21/15 14:53	10/23/15 22:37	1
Hexachlorocyclopentadiene	ND		5.1	0.61	ug/L		10/21/15 14:53	10/23/15 22:37	1
Hexachloroethane	ND		5.1	0.61	ug/L		10/21/15 14:53	10/23/15 22:37	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/21/15 14:53	10/23/15 22:37	1
Isophorone	ND		5.1	0.44	ug/L		10/21/15 14:53	10/23/15 22:37	1
Naphthalene	ND		5.1	0.78	ug/L		10/21/15 14:53	10/23/15 22:37	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/21/15 14:53	10/23/15 22:37	1
N-Nitrosodi-n-propylamine	ND		5.1	0.56	ug/L		10/21/15 14:53	10/23/15 22:37	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/21/15 14:53	10/23/15 22:37	1
Pentachlorophenol	ND		10	2.3	ug/L		10/21/15 14:53	10/23/15 22:37	1
Phenanthrene	ND		5.1	0.45	ug/L		10/21/15 14:53	10/23/15 22:37	1
Phenol	ND		5.1	0.40	ug/L		10/21/15 14:53	10/23/15 22:37	1
Pyrene	ND		5.1	0.35	ug/L		10/21/15 14:53	10/23/15 22:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.3*	*T J*	*ug/L*		*3.30*		*10/21/15 14:53*	*10/23/15 22:37*	*1*
Cyclohexane	*36*	*T J N*	*ug/L*		*3.58*	*110-82-7*	*10/21/15 14:53*	*10/23/15 22:37*	*1*
Unknown	*81*	*T J*	*ug/L*		*3.72*		*10/21/15 14:53*	*10/23/15 22:37*	*1*
Decane	*2.4*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/21/15 14:53*	*10/23/15 22:37*	*1*
Benzoic acid, methyl ester	*3.5*	*T J N*	*ug/L*		*7.37*	*93-58-3*	*10/21/15 14:53*	*10/23/15 22:37*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*11.34*		*10/21/15 14:53*	*10/23/15 22:37*	*1*
Unknown	*17*	*T J*	*ug/L*		*11.76*		*10/21/15 14:53*	*10/23/15 22:37*	*1*
Unknown	*7.1*	*T J*	*ug/L*		*12.38*		*10/21/15 14:53*	*10/23/15 22:37*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*12.81*		*10/21/15 14:53*	*10/23/15 22:37*	*1*
Unknown alkane	*4.5*	*T J*	*ug/L*		*13.27*		*10/21/15 14:53*	*10/23/15 22:37*	*1*
Unknown alkane	*2.8*	*T J*	*ug/L*		*13.75*		*10/21/15 14:53*	*10/23/15 22:37*	*1*
Unknown alkane	*2.7*	*T J*	*ug/L*		*14.27*		*10/21/15 14:53*	*10/23/15 22:37*	*1*
Octacosane	*2.5*	*T J N*	*ug/L*		*14.81*	*630-02-4*	*10/21/15 14:53*	*10/23/15 22:37*	*1*
Unknown	*11*	*T J*	*ug/L*		*15.04*		*10/21/15 14:53*	*10/23/15 22:37*	*1*
Unknown alkane	*2.3*	*T J*	*ug/L*		*15.37*		*10/21/15 14:53*	*10/23/15 22:37*	*1*
Unknown alkane	*2.1*	*T J*	*ug/L*		*15.95*		*10/21/15 14:53*	*10/23/15 22:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*52 - 132*	*10/21/15 14:53*	*10/23/15 22:37*	*1*
2-Fluorobiphenyl	*79*		*48 - 120*	*10/21/15 14:53*	*10/23/15 22:37*	*1*
2-Fluorophenol (Surr)	*51*		*20 - 120*	*10/21/15 14:53*	*10/23/15 22:37*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 120*	*10/21/15 14:53*	*10/23/15 22:37*	*1*
Phenol-d5 (Surr)	*37*		*16 - 120*	*10/21/15 14:53*	*10/23/15 22:37*	*1*
p-Terphenyl-d14 (Surr)	*94*		*67 - 150*	*10/21/15 14:53*	*10/23/15 22:37*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/21/15 10:50	10/22/15 03:10	1
Antimony	ND		0.020	0.0068	mg/L		10/21/15 10:50	10/22/15 03:10	1
Arsenic	ND		0.015	0.0056	mg/L		10/21/15 10:50	10/22/15 03:10	1
Barium	ND		0.0020	0.00070	mg/L		10/21/15 10:50	10/22/15 03:10	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/15 10:50	10/22/15 03:10	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: FB-102015
Date Collected: 10/20/15 16:00
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-11
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/21/15 10:50	10/22/15 03:10	1
Calcium	ND		0.50	0.10	mg/L		10/21/15 10:50	10/22/15 03:10	1
Chromium	ND		0.0040	0.0010	mg/L		10/21/15 10:50	10/22/15 03:10	1
Cobalt	ND		0.0040	0.00063	mg/L		10/21/15 10:50	10/22/15 03:10	1
Copper	**0.0044**	**J B ^**	0.010	0.0016	mg/L		10/21/15 10:50	10/22/15 03:10	1
Iron	ND		0.050	0.019	mg/L		10/21/15 10:50	10/22/15 03:10	1
Lead	ND		0.010	0.0030	mg/L		10/21/15 10:50	10/22/15 03:10	1
Magnesium	ND		0.20	0.043	mg/L		10/21/15 10:50	10/22/15 03:10	1
Manganese	ND		0.0030	0.00040	mg/L		10/21/15 10:50	10/22/15 03:10	1
Nickel	ND		0.010	0.0013	mg/L		10/21/15 10:50	10/22/15 03:10	1
Potassium	ND		0.50	0.10	mg/L		10/21/15 10:50	10/24/15 19:29	1
Selenium	ND		0.025	0.0087	mg/L		10/21/15 10:50	10/22/15 03:10	1
Silver	ND		0.0060	0.0017	mg/L		10/21/15 10:50	10/22/15 03:10	1
Sodium	ND		1.0	0.32	mg/L		10/21/15 10:50	10/22/15 03:10	1
Thallium	ND		0.020	0.010	mg/L		10/21/15 10:50	10/22/15 03:10	1
Vanadium	ND		0.0050	0.0015	mg/L		10/21/15 10:50	10/22/15 03:10	1
Zinc	ND		0.010	0.0015	mg/L		10/21/15 10:50	10/22/15 03:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/30/15 14:14	11/02/15 12:09	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: MW-405-102015

Lab Sample ID: 480-89476-1

Date Collected: 10/20/15 08:40

Matrix: Water

Date Received: 10/20/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270153	10/21/15 14:53	CPH	TAL BUF
Total/NA	Analysis	8270D		5	271039	10/23/15 17:45	LMW	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270316	10/22/15 02:05	AMH	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		2	270459	10/22/15 10:41	AMH	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		5	270459	10/22/15 10:45	AMH	TAL BUF
Total/NA	Prep	9012B			272715	11/03/15 07:45	LAW	TAL BUF
Total/NA	Analysis	9012B		1	272825	11/03/15 13:35	KMF	TAL BUF

Client Sample ID: MW-405-F-102015

Lab Sample ID: 480-89476-2

Date Collected: 10/20/15 08:45

Matrix: Water

Date Received: 10/20/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270153	10/21/15 14:53	CPH	TAL BUF
Total/NA	Analysis	8270D		5	271039	10/23/15 18:14	LMW	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270316	10/22/15 02:09	AMH	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		2	270459	10/22/15 10:48	AMH	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		5	270459	10/22/15 10:51	AMH	TAL BUF
Total/NA	Prep	9012B			272715	11/03/15 07:45	LAW	TAL BUF
Total/NA	Analysis	9012B		1	272825	11/03/15 13:37	KMF	TAL BUF

Client Sample ID: MW-404-102015

Lab Sample ID: 480-89476-3

Date Collected: 10/20/15 11:25

Matrix: Water

Date Received: 10/20/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270153	10/21/15 14:53	CPH	TAL BUF
Total/NA	Analysis	8270D		1	271039	10/23/15 18:43	LMW	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270316	10/22/15 02:12	AMH	TAL BUF
Total/NA	Prep	9012B			272715	11/03/15 07:45	LAW	TAL BUF
Total/NA	Analysis	9012B		1	272825	11/03/15 13:38	KMF	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: MW-404-F-102015

Lab Sample ID: 480-89476-4
Matrix: Water
Date Collected: 10/20/15 11:30
Date Received: 10/20/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270153	10/21/15 14:53	CPH	TAL BUF
Total/NA	Analysis	8270D		1	271039	10/23/15 19:12	LMW	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270316	10/22/15 02:25	AMH	TAL BUF
Total/NA	Prep	9012B			272715	11/03/15 07:45	LAW	TAL BUF
Total/NA	Analysis	9012B		1	272825	11/03/15 13:40	KMF	TAL BUF

Client Sample ID: TP-08-102015

Lab Sample ID: 480-89476-5
Matrix: Water
Date Collected: 10/20/15 14:40
Date Received: 10/20/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270153	10/21/15 14:53	CPH	TAL BUF
Total/NA	Analysis	8270D		1	271039	10/23/15 19:41	LMW	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270316	10/22/15 02:28	AMH	TAL BUF
Total/NA	Prep	9012B			272715	11/03/15 07:45	LAW	TAL BUF
Total/NA	Analysis	9012B		1	272856	11/03/15 15:07	KMF	TAL BUF

Client Sample ID: TP-08-F-102015

Lab Sample ID: 480-89476-6
Matrix: Water
Date Collected: 10/20/15 14:50
Date Received: 10/20/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270153	10/21/15 14:53	CPH	TAL BUF
Total/NA	Analysis	8270D		1	271039	10/23/15 20:11	LMW	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270316	10/22/15 02:31	AMH	TAL BUF
Total/NA	Prep	9012B			272715	11/03/15 07:45	LAW	TAL BUF
Total/NA	Analysis	9012B		5	272850	11/03/15 14:47	KMF	TAL BUF

Client Sample ID: TP-10-102015

Lab Sample ID: 480-89476-7
Matrix: Water
Date Collected: 10/20/15 09:20
Date Received: 10/20/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270153	10/21/15 14:53	CPH	TAL BUF
Total/NA	Analysis	8270D		5	271039	10/23/15 20:40	LMW	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270316	10/22/15 02:47	AMH	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		5	270459	10/22/15 10:54	AMH	TAL BUF
Total/NA	Prep	9012B			272210	10/30/15 14:14	SER	TAL BUF

Client Sample ID: TP-10-102015

Lab Sample ID: 480-89476-7

Date Collected: 10/20/15 09:20

Matrix: Water

Date Received: 10/20/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9012B		20	272621	11/02/15 15:57	JJK	TAL BUF

Client Sample ID: TP-10-F-102015

Lab Sample ID: 480-89476-8

Date Collected: 10/20/15 09:30

Matrix: Water

Date Received: 10/20/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270153	10/21/15 14:53	CPH	TAL BUF
Total/NA	Analysis	8270D		5	271039	10/23/15 21:09	LMW	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270316	10/22/15 02:51	AMH	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		5	270459	10/22/15 10:58	AMH	TAL BUF
Total/NA	Prep	9012B			272210	10/30/15 14:14	SER	TAL BUF
Total/NA	Analysis	9012B		20	272621	11/02/15 15:58	JJK	TAL BUF

Client Sample ID: TP-09-102015

Lab Sample ID: 480-89476-9

Date Collected: 10/20/15 13:46

Matrix: Water

Date Received: 10/20/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270153	10/21/15 14:53	CPH	TAL BUF
Total/NA	Analysis	8270D		5	271039	10/23/15 21:38	LMW	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270316	10/22/15 03:04	AMH	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		2	270459	10/22/15 11:01	AMH	TAL BUF
Total/NA	Prep	9012B			272210	10/30/15 14:14	SER	TAL BUF
Total/NA	Analysis	9012B		1	272621	11/02/15 12:02	JJK	TAL BUF

Client Sample ID: TP-09-F-102015

Lab Sample ID: 480-89476-10

Date Collected: 10/20/15 13:53

Matrix: Water

Date Received: 10/20/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270153	10/21/15 14:53	CPH	TAL BUF
Total/NA	Analysis	8270D		1	271039	10/23/15 22:08	LMW	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270316	10/22/15 03:07	AMH	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		2	270459	10/22/15 11:04	AMH	TAL BUF
Total/NA	Prep	9012B			272210	10/30/15 14:14	SER	TAL BUF
Total/NA	Analysis	9012B		1	272621	11/02/15 12:07	JJK	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Client Sample ID: FB-102015

Date Collected: 10/20/15 16:00
Date Received: 10/20/15 17:00

Lab Sample ID: 480-89476-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270153	10/21/15 14:53	CPH	TAL BUF
Total/NA	Analysis	8270D		1	271039	10/23/15 22:37	LMW	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270316	10/22/15 03:10	AMH	TAL BUF
Total/NA	Prep	3005A			270046	10/21/15 10:50	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271009	10/24/15 19:29	TRB	TAL BUF
Total/NA	Prep	9012B			272210	10/30/15 14:14	SER	TAL BUF
Total/NA	Analysis	9012B		1	272621	11/02/15 12:09	JJK	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89476-1	MW-405-102015	Water	10/20/15 08:40	10/20/15 17:00
480-89476-2	MW-405-F-102015	Water	10/20/15 08:45	10/20/15 17:00
480-89476-3	MW-404-102015	Water	10/20/15 11:25	10/20/15 17:00
480-89476-4	MW-404-F-102015	Water	10/20/15 11:30	10/20/15 17:00
480-89476-5	TP-08-102015	Water	10/20/15 14:40	10/20/15 17:00
480-89476-6	TP-08-F-102015	Water	10/20/15 14:50	10/20/15 17:00
480-89476-7	TP-10-102015	Water	10/20/15 09:20	10/20/15 17:00
480-89476-8	TP-10-F-102015	Water	10/20/15 09:30	10/20/15 17:00
480-89476-9	TP-09-102015	Water	10/20/15 13:46	10/20/15 17:00
480-89476-10	TP-09-F-102015	Water	10/20/15 13:53	10/20/15 17:00
480-89476-11	FB-102015	Water	10/20/15 16:00	10/20/15 17:00

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

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TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Picunas	10/20/15	292038
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
11 British American Blvd	518-782-4526		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Latham / NY / 11210			
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	THL Naphth 9012	TOT CN 6010C
MW-405-102015	10/20/15	840 ~~1125~~		X			2		1		1		X	X	X
MW-405-F-102015	"	845 ~~1130~~		X			2		1		1		X	X	X
MW-404-102015	"	1125		X			2		1		1		X	X	X
MW-404-F-102015	"	1130		X			2		1		1		X	X	X
TP-08-102015	"	1440		X			2		1		1		X	X	X
TP-08-F-102015	"	1450		X			2		1		1		X	X	X
TP-MS-02-102015	"	1500		X			2		1		1		X	X	X
TP-MSD-02-102015	"	1500		X			2		1		1		X	X	X
TP-10-102015	"	920		X			2		1		1		X	X	X
TP-10-F-102015	"	930		X			2		1		1		X	X	X
TP-09-102015	"	1346		X			2		1		1		X	X	X
TP-09-F-102015	"	~~1353~~		X			2		1		1		X	X	X
FB-102015	"	1600		X			1		1		1		X	X	X

Special Instructions/ Conditions of Receipt

480-89476 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: LIA ESTRADA	10/20/15	1620
2. Relinquished By: [signature]	10/20/15	*17:00
3. Relinquished By:		

	Date	Time
1. Received By: [signature]	10/20/15	1620
2. Received By: [signature]	10/20/15	17 00
3. Received By:		

Comments

Temp 4.7 5.2 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-89476-1

Login Number: 89476
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CDM SMITH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89590-1
Client Project/Site: Buffalo Lakeside #915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek



Authorized for release by:
11/4/2015 4:28:16 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
11/4/2015 4:28:16 PM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-89590-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89590-1

Receipt
The samples were received on 10/21/2015 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 3.0º C, 3.2º C and 3.4º C.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-270925 was outside the method criteria for the following analytes: Benzaldehyde, Bis(2-chloroethoxy)methane, Hexachlorocyclopentadiene, Isophorone and N-Nitrosodi-n-propylamine. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes are considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-271160 was outside the method criteria for the following analyte: Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-272432 was outside the method criteria for the following analytes: Benzaldehyde and 2,2-oxybis(1-chloropropane) . A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-272432 recovered above the upper control limit for Benzo[g,h,i]perylene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following sample is impacted: FB-102115 (480-89590-20).

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-272542 was outside the method criteria for the following analytes: 2,4-Dinitrophenol, 4-Chloroaniline, Benzaldehyde, Diethyl phthalate and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: CB-14-102115 (480-89590-3). These results have been reported and qualified.

Method(s) 8270D: The initial calibration curve analyzed in analytical batch 271208 was outside method criteria for the analyte Benzaldehyde. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method(s) 8270D: The initial calibration curve analyzed in analytical batch 270697 was outside method criteria for the analytes Benzaldehyde and Isophorone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method(s) 8270D: The minimum response factor (RF) criteria for the initial calibration (ICAL) analyzed in analytical batch 270697 was outside criteria for the analytes N-Nitrosodi-n-propylamine, Isophorone and Bis(2-chloroethoxy)methane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The low level continuing calibration verification (CCVL 480-270877/86) for analytical batch 480-270877 contained Total Iron above the upper quality control limit. All reported samples associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples CB-29-102115 (480-89590-1), CB 29-F-102115 (480-89590-2), CB-14-102115 (480-89590-3), (LCS

Job ID: 480-89590-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

480-270488/2-A), (MB 480-270488/1-A), (480-89590-C-1-B MS), (480-89590-C-1-C MSD), (480-89590-C-1-A PDS) and (480-89590-C-1-A SD ^) was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-29-102115
Date Collected: 10/21/15 08:40
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.5	0.53	ug/L		10/24/15 08:34	11/02/15 17:17	1
2,4,6-Trichlorophenol	ND		5.5	0.67	ug/L		10/24/15 08:34	11/02/15 17:17	1
2,4-Dichlorophenol	ND		5.5	0.56	ug/L		10/24/15 08:34	11/02/15 17:17	1
2,4-Dimethylphenol	ND		5.5	0.55	ug/L		10/24/15 08:34	11/02/15 17:17	1
2,4-Dinitrophenol	ND		11	2.5	ug/L		10/24/15 08:34	11/02/15 17:17	1
2,4-Dinitrotoluene	ND		5.5	0.49	ug/L		10/24/15 08:34	11/02/15 17:17	1
2,6-Dinitrotoluene	ND		5.5	0.44	ug/L		10/24/15 08:34	11/02/15 17:17	1
2-Chloronaphthalene	ND		5.5	0.51	ug/L		10/24/15 08:34	11/02/15 17:17	1
2-Chlorophenol	ND		5.5	0.59	ug/L		10/24/15 08:34	11/02/15 17:17	1
2-Methylnaphthalene	ND		5.5	0.66	ug/L		10/24/15 08:34	11/02/15 17:17	1
2-Methylphenol	ND		5.5	0.44	ug/L		10/24/15 08:34	11/02/15 17:17	1
2-Nitroaniline	ND		11	0.46	ug/L		10/24/15 08:34	11/02/15 17:17	1
2-Nitrophenol	ND		5.5	0.53	ug/L		10/24/15 08:34	11/02/15 17:17	1
3,3'-Dichlorobenzidine	ND		5.5	0.44	ug/L		10/24/15 08:34	11/02/15 17:17	1
3-Nitroaniline	ND		11	0.53	ug/L		10/24/15 08:34	11/02/15 17:17	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/24/15 08:34	11/02/15 17:17	1
4-Bromophenyl phenyl ether	ND		5.5	0.50	ug/L		10/24/15 08:34	11/02/15 17:17	1
4-Chloro-3-methylphenol	ND		5.5	0.50	ug/L		10/24/15 08:34	11/02/15 17:17	1
4-Chloroaniline	ND		5.5	0.65	ug/L		10/24/15 08:34	11/02/15 17:17	1
4-Chlorophenyl phenyl ether	ND		5.5	0.39	ug/L		10/24/15 08:34	11/02/15 17:17	1
4-Methylphenol	ND		11	0.40	ug/L		10/24/15 08:34	11/02/15 17:17	1
4-Nitroaniline	ND		11	0.28	ug/L		10/24/15 08:34	11/02/15 17:17	1
4-Nitrophenol	ND		11	1.7	ug/L		10/24/15 08:34	11/02/15 17:17	1
Acenaphthene	ND		5.5	0.45	ug/L		10/24/15 08:34	11/02/15 17:17	1
Acenaphthylene	ND		5.5	0.42	ug/L		10/24/15 08:34	11/02/15 17:17	1
Acetophenone	ND		5.5	0.60	ug/L		10/24/15 08:34	11/02/15 17:17	1
Anthracene	ND		5.5	0.31	ug/L		10/24/15 08:34	11/02/15 17:17	1
Atrazine	ND		5.5	0.51	ug/L		10/24/15 08:34	11/02/15 17:17	1
Benzaldehyde	**1.2**	**J**	5.5	0.29	ug/L		10/24/15 08:34	11/02/15 17:17	1
Benzo[a]anthracene	ND		5.5	0.40	ug/L		10/24/15 08:34	11/02/15 17:17	1
Benzo[a]pyrene	ND		5.5	0.52	ug/L		10/24/15 08:34	11/02/15 17:17	1
Benzo[b]fluoranthene	ND		5.5	0.38	ug/L		10/24/15 08:34	11/02/15 17:17	1
Benzo[g,h,i]perylene	ND		5.5	0.39	ug/L		10/24/15 08:34	11/02/15 17:17	1
Benzo[k]fluoranthene	ND		5.5	0.81	ug/L		10/24/15 08:34	11/02/15 17:17	1
Biphenyl	ND		5.5	0.72	ug/L		10/24/15 08:34	11/02/15 17:17	1
bis (2-chloroisopropyl) ether	ND		5.5	0.57	ug/L		10/24/15 08:34	11/02/15 17:17	1
Bis(2-chloroethoxy)methane	ND		5.5	0.39	ug/L		10/24/15 08:34	11/02/15 17:17	1
Bis(2-chloroethyl)ether	ND		5.5	0.44	ug/L		10/24/15 08:34	11/02/15 17:17	1
Bis(2-ethylhexyl) phthalate	ND		5.5	2.0	ug/L		10/24/15 08:34	11/02/15 17:17	1
Butyl benzyl phthalate	**0.50**	**J B**	5.5	0.46	ug/L		10/24/15 08:34	11/02/15 17:17	1
Caprolactam	ND		5.5	2.4	ug/L		10/24/15 08:34	11/02/15 17:17	1
Carbazole	ND		5.5	0.33	ug/L		10/24/15 08:34	11/02/15 17:17	1
Chrysene	ND		5.5	0.36	ug/L		10/24/15 08:34	11/02/15 17:17	1
Dibenz(a,h)anthracene	ND		5.5	0.46	ug/L		10/24/15 08:34	11/02/15 17:17	1
Dibenzofuran	ND		11	0.56	ug/L		10/24/15 08:34	11/02/15 17:17	1
Diethyl phthalate	ND		5.5	0.24	ug/L		10/24/15 08:34	11/02/15 17:17	1
Dimethyl phthalate	ND		5.5	0.40	ug/L		10/24/15 08:34	11/02/15 17:17	1
Di-n-butyl phthalate	ND		5.5	0.34	ug/L		10/24/15 08:34	11/02/15 17:17	1
Di-n-octyl phthalate	ND		5.5	0.52	ug/L		10/24/15 08:34	11/02/15 17:17	1

Client Sample ID: CB-29-102115

Date Collected: 10/21/15 08:40
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.5	0.44	ug/L		10/24/15 08:34	11/02/15 17:17	1
Fluorene	ND		5.5	0.40	ug/L		10/24/15 08:34	11/02/15 17:17	1
Hexachlorobenzene	ND		5.5	0.56	ug/L		10/24/15 08:34	11/02/15 17:17	1
Hexachlorobutadiene	ND		5.5	0.75	ug/L		10/24/15 08:34	11/02/15 17:17	1
Hexachlorocyclopentadiene	ND		5.5	0.65	ug/L		10/24/15 08:34	11/02/15 17:17	1
Hexachloroethane	ND		5.5	0.65	ug/L		10/24/15 08:34	11/02/15 17:17	1
Indeno[1,2,3-cd]pyrene	ND		5.5	0.52	ug/L		10/24/15 08:34	11/02/15 17:17	1
Isophorone	ND		5.5	0.48	ug/L		10/24/15 08:34	11/02/15 17:17	1
Naphthalene	ND		5.5	0.84	ug/L		10/24/15 08:34	11/02/15 17:17	1
Nitrobenzene	ND		5.5	0.32	ug/L		10/24/15 08:34	11/02/15 17:17	1
N-Nitrosodi-n-propylamine	ND		5.5	0.60	ug/L		10/24/15 08:34	11/02/15 17:17	1
N-Nitrosodiphenylamine	ND		5.5	0.56	ug/L		10/24/15 08:34	11/02/15 17:17	1
Pentachlorophenol	ND		11	2.4	ug/L		10/24/15 08:34	11/02/15 17:17	1
Phenanthrene	ND		5.5	0.49	ug/L		10/24/15 08:34	11/02/15 17:17	1
Phenol	ND		5.5	0.43	ug/L		10/24/15 08:34	11/02/15 17:17	1
Pyrene	ND		5.5	0.38	ug/L		10/24/15 08:34	11/02/15 17:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.1*	*T J*	*ug/L*		*3.13*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Cyclohexane	*21*	*T J N*	*ug/L*		*3.61*	*110-82-7*	*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.79*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Decane	*4.3*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*10.77*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Tetradecanoic acid	*3.6*	*T J N*	*ug/L*		*11.08*	*544-63-8*	*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*11.34*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*49*	*T J*	*ug/L*		*11.76*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*12.11*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*12.35*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*17*	*T J*	*ug/L*		*12.39*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*31*	*T J*	*ug/L*		*12.84*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*9.0*	*T J*	*ug/L*		*13.29*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*32*	*T J*	*ug/L*		*13.63*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*31*	*T J*	*ug/L*		*14.13*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*9.7*	*T J*	*ug/L*		*14.67*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*11*	*T J*	*ug/L*		*15.01*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*25*	*T J*	*ug/L*		*15.05*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*6.9*	*T J*	*ug/L*		*16.21*		*10/24/15 08:34*	*11/02/15 17:17*	*1*
Unknown	*34*	*T J*	*ug/L*		*16.64*		*10/24/15 08:34*	*11/02/15 17:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*52 - 132*	*10/24/15 08:34*	*11/02/15 17:17*	*1*
2-Fluorobiphenyl	*75*		*48 - 120*	*10/24/15 08:34*	*11/02/15 17:17*	*1*
2-Fluorophenol (Surr)	*47*		*20 - 120*	*10/24/15 08:34*	*11/02/15 17:17*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 120*	*10/24/15 08:34*	*11/02/15 17:17*	*1*
Phenol-d5 (Surr)	*36*		*16 - 120*	*10/24/15 08:34*	*11/02/15 17:17*	*1*
p-Terphenyl-d14 (Surr)	*89*		*67 - 150*	*10/24/15 08:34*	*11/02/15 17:17*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.061**	**J B**	0.20	0.060	mg/L		10/23/15 08:10	10/24/15 00:37	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-29-102115
Date Collected: 10/21/15 08:40
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/23/15 08:10	10/24/15 00:37	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 08:10	10/24/15 00:37	1
Barium	**0.029**		0.0020	0.00070	mg/L		10/23/15 08:10	10/24/15 00:37	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 08:10	10/24/15 00:37	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 08:10	10/24/15 00:37	1
Calcium	**36.6**		0.50	0.10	mg/L		10/23/15 08:10	10/24/15 00:37	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 08:10	10/24/15 00:37	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 08:10	10/24/15 00:37	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 08:10	10/24/15 00:37	1
Iron	**0.023**	**J ^**	0.050	0.019	mg/L		10/23/15 08:10	10/24/15 00:37	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 08:10	10/24/15 00:37	1
Magnesium	**6.8**		0.20	0.043	mg/L		10/23/15 08:10	10/24/15 00:37	1
Manganese	**0.0017**	**J**	0.0030	0.00040	mg/L		10/23/15 08:10	10/24/15 00:37	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 08:10	10/24/15 00:37	1
Potassium	**3.9**		0.50	0.10	mg/L		10/23/15 08:10	10/24/15 00:37	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 08:10	10/24/15 00:37	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 08:10	10/24/15 00:37	1
Sodium	**22.8**		1.0	0.32	mg/L		10/23/15 08:10	10/24/15 00:37	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 08:10	10/24/15 00:37	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 08:10	10/24/15 00:37	1
Zinc	**0.0016**	**J B**	0.010	0.0015	mg/L		10/23/15 08:10	10/24/15 00:37	1

Client Sample ID: CB 29-F-102115
Date Collected: 10/21/15 08:45
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/24/15 08:34	11/02/15 17:46	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		10/24/15 08:34	11/02/15 17:46	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/24/15 08:34	11/02/15 17:46	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/24/15 08:34	11/02/15 17:46	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/24/15 08:34	11/02/15 17:46	1
2,4-Dinitrotoluene	ND		5.1	0.45	ug/L		10/24/15 08:34	11/02/15 17:46	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 17:46	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/24/15 08:34	11/02/15 17:46	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/24/15 08:34	11/02/15 17:46	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/24/15 08:34	11/02/15 17:46	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 17:46	1
2-Nitroaniline	ND		10	0.43	ug/L		10/24/15 08:34	11/02/15 17:46	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/24/15 08:34	11/02/15 17:46	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 17:46	1
3-Nitroaniline	ND		10	0.49	ug/L		10/24/15 08:34	11/02/15 17:46	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/24/15 08:34	11/02/15 17:46	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/24/15 08:34	11/02/15 17:46	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/24/15 08:34	11/02/15 17:46	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/24/15 08:34	11/02/15 17:46	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/24/15 08:34	11/02/15 17:46	1
4-Methylphenol	ND		10	0.37	ug/L		10/24/15 08:34	11/02/15 17:46	1
4-Nitroaniline	ND		10	0.25	ug/L		10/24/15 08:34	11/02/15 17:46	1
4-Nitrophenol	ND		10	1.5	ug/L		10/24/15 08:34	11/02/15 17:46	1
Acenaphthene	ND		5.1	0.42	ug/L		10/24/15 08:34	11/02/15 17:46	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/24/15 08:34	11/02/15 17:46	1
Acetophenone	ND		5.1	0.55	ug/L		10/24/15 08:34	11/02/15 17:46	1
Anthracene	ND		5.1	0.28	ug/L		10/24/15 08:34	11/02/15 17:46	1
Atrazine	ND		5.1	0.47	ug/L		10/24/15 08:34	11/02/15 17:46	1
Benzaldehyde	**1.0**	**J**	5.1	0.27	ug/L		10/24/15 08:34	11/02/15 17:46	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/24/15 08:34	11/02/15 17:46	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/24/15 08:34	11/02/15 17:46	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/24/15 08:34	11/02/15 17:46	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/24/15 08:34	11/02/15 17:46	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		10/24/15 08:34	11/02/15 17:46	1
Biphenyl	ND		5.1	0.66	ug/L		10/24/15 08:34	11/02/15 17:46	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/24/15 08:34	11/02/15 17:46	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/24/15 08:34	11/02/15 17:46	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 17:46	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/24/15 08:34	11/02/15 17:46	1
Butyl benzyl phthalate	**0.56**	**J B**	5.1	0.43	ug/L		10/24/15 08:34	11/02/15 17:46	1
Caprolactam	ND		5.1	2.2	ug/L		10/24/15 08:34	11/02/15 17:46	1
Carbazole	ND		5.1	0.30	ug/L		10/24/15 08:34	11/02/15 17:46	1
Chrysene	ND		5.1	0.33	ug/L		10/24/15 08:34	11/02/15 17:46	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/24/15 08:34	11/02/15 17:46	1
Dibenzofuran	ND		10	0.52	ug/L		10/24/15 08:34	11/02/15 17:46	1
Diethyl phthalate	ND		5.1	0.22	ug/L		10/24/15 08:34	11/02/15 17:46	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/24/15 08:34	11/02/15 17:46	1
Di-n-butyl phthalate	ND		5.1	0.31	ug/L		10/24/15 08:34	11/02/15 17:46	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/24/15 08:34	11/02/15 17:46	1

Client Sample ID: CB 29-F-102115

Date Collected: 10/21/15 08:45
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 17:46	1
Fluorene	ND		5.1	0.37	ug/L		10/24/15 08:34	11/02/15 17:46	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/24/15 08:34	11/02/15 17:46	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		10/24/15 08:34	11/02/15 17:46	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/24/15 08:34	11/02/15 17:46	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/24/15 08:34	11/02/15 17:46	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/24/15 08:34	11/02/15 17:46	1
Isophorone	ND		5.1	0.44	ug/L		10/24/15 08:34	11/02/15 17:46	1
Naphthalene	ND		5.1	0.77	ug/L		10/24/15 08:34	11/02/15 17:46	1
Nitrobenzene	ND		5.1	0.29	ug/L		10/24/15 08:34	11/02/15 17:46	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/24/15 08:34	11/02/15 17:46	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/24/15 08:34	11/02/15 17:46	1
Pentachlorophenol	ND		10	2.2	ug/L		10/24/15 08:34	11/02/15 17:46	1
Phenanthrene	ND		5.1	0.45	ug/L		10/24/15 08:34	11/02/15 17:46	1
Phenol	ND		5.1	0.40	ug/L		10/24/15 08:34	11/02/15 17:46	1
Pyrene	ND		5.1	0.35	ug/L		10/24/15 08:34	11/02/15 17:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.7*	*T J*	*ug/L*		*3.36*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Cyclohexane	*21*	*T J N*	*ug/L*		*3.60*	*110-82-7*	*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.77*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Formamide, N,N-dimethyl-	*6.7*	*T J N*	*ug/L*		*4.87*	*68-12-2*	*10/24/15 08:34*	*11/02/15 17:46*	*1*
Cyclopentasiloxane, decamethyl-	*9.5*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*6.5*	*T J*	*ug/L*		*8.74*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*6.7*	*T J*	*ug/L*		*8.82*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
n-Hexadecanoic acid	*16*	*T J N*	*ug/L*		*11.08*	*57-10-3*	*10/24/15 08:34*	*11/02/15 17:46*	*1*
Diphenyl sulfone	*10*	*T J N*	*ug/L*		*11.19*	*127-63-9*	*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*11.34*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*47*	*T J*	*ug/L*		*11.76*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*19*	*T J*	*ug/L*		*12.39*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*33*	*T J*	*ug/L*		*12.84*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*9.8*	*T J*	*ug/L*		*13.29*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*31*	*T J*	*ug/L*		*13.63*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*21*	*T J*	*ug/L*		*14.09*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*7.6*	*T J*	*ug/L*		*14.68*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*23*	*T J*	*ug/L*		*15.05*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*8.9*	*T J*	*ug/L*		*16.21*		*10/24/15 08:34*	*11/02/15 17:46*	*1*
Unknown	*7.1*	*T J*	*ug/L*		*16.60*		*10/24/15 08:34*	*11/02/15 17:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*52 - 132*	*10/24/15 08:34*	*11/02/15 17:46*	*1*
2-Fluorobiphenyl	*74*		*48 - 120*	*10/24/15 08:34*	*11/02/15 17:46*	*1*
2-Fluorophenol (Surr)	*49*		*20 - 120*	*10/24/15 08:34*	*11/02/15 17:46*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*10/24/15 08:34*	*11/02/15 17:46*	*1*
Phenol-d5 (Surr)	*34*		*16 - 120*	*10/24/15 08:34*	*11/02/15 17:46*	*1*
p-Terphenyl-d14 (Surr)	*79*		*67 - 150*	*10/24/15 08:34*	*11/02/15 17:46*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.077**	**J B**	0.20	0.060	mg/L		10/23/15 08:10	10/24/15 00:52	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB 29-F-102115
Date Collected: 10/21/15 08:45
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/23/15 08:10	10/24/15 00:52	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 08:10	10/24/15 00:52	1
Barium	**0.029**		0.0020	0.00070	mg/L		10/23/15 08:10	10/24/15 00:52	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 08:10	10/24/15 00:52	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 08:10	10/24/15 00:52	1
Calcium	**36.3**		0.50	0.10	mg/L		10/23/15 08:10	10/24/15 00:52	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 08:10	10/24/15 00:52	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 08:10	10/24/15 00:52	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 08:10	10/24/15 00:52	1
Iron	ND	^	0.050	0.019	mg/L		10/23/15 08:10	10/24/15 00:52	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 08:10	10/24/15 00:52	1
Magnesium	**6.8**		0.20	0.043	mg/L		10/23/15 08:10	10/24/15 00:52	1
Manganese	ND		0.0030	0.00040	mg/L		10/23/15 08:10	10/24/15 00:52	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 08:10	10/24/15 00:52	1
Potassium	**3.9**		0.50	0.10	mg/L		10/23/15 08:10	10/24/15 00:52	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 08:10	10/24/15 00:52	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 08:10	10/24/15 00:52	1
Sodium	**22.8**		1.0	0.32	mg/L		10/23/15 08:10	10/24/15 00:52	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 08:10	10/24/15 00:52	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 08:10	10/24/15 00:52	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 08:10	10/24/15 00:52	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-14-102115
Date Collected: 10/21/15 09:30
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.49	ug/L		10/24/15 08:34	11/02/15 18:15	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		10/24/15 08:34	11/02/15 18:15	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/24/15 08:34	11/02/15 18:15	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/24/15 08:34	11/02/15 18:15	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/24/15 08:34	11/02/15 18:15	1
2,4-Dinitrotoluene	ND		5.2	0.46	ug/L		10/24/15 08:34	11/02/15 18:15	1
2,6-Dinitrotoluene	ND		5.2	0.41	ug/L		10/24/15 08:34	11/02/15 18:15	1
2-Chloronaphthalene	ND		5.2	0.47	ug/L		10/24/15 08:34	11/02/15 18:15	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/24/15 08:34	11/02/15 18:15	1
2-Methylnaphthalene	ND		5.2	0.62	ug/L		10/24/15 08:34	11/02/15 18:15	1
2-Methylphenol	ND		5.2	0.41	ug/L		10/24/15 08:34	11/02/15 18:15	1
2-Nitroaniline	ND		10	0.43	ug/L		10/24/15 08:34	11/02/15 18:15	1
2-Nitrophenol	ND		5.2	0.49	ug/L		10/24/15 08:34	11/02/15 18:15	1
3,3'-Dichlorobenzidine	ND		5.2	0.41	ug/L		10/24/15 08:34	11/02/15 18:15	1
3-Nitroaniline	ND		10	0.49	ug/L		10/24/15 08:34	11/02/15 18:15	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/24/15 08:34	11/02/15 18:15	1
4-Bromophenyl phenyl ether	ND		5.2	0.46	ug/L		10/24/15 08:34	11/02/15 18:15	1
4-Chloro-3-methylphenol	ND		5.2	0.46	ug/L		10/24/15 08:34	11/02/15 18:15	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/24/15 08:34	11/02/15 18:15	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		10/24/15 08:34	11/02/15 18:15	1
4-Methylphenol	ND		10	0.37	ug/L		10/24/15 08:34	11/02/15 18:15	1
4-Nitroaniline	ND		10	0.26	ug/L		10/24/15 08:34	11/02/15 18:15	1
4-Nitrophenol	ND		10	1.6	ug/L		10/24/15 08:34	11/02/15 18:15	1
Acenaphthene	ND		5.2	0.42	ug/L		10/24/15 08:34	11/02/15 18:15	1
Acenaphthylene	ND		5.2	0.39	ug/L		10/24/15 08:34	11/02/15 18:15	1
Acetophenone	ND		5.2	0.56	ug/L		10/24/15 08:34	11/02/15 18:15	1
Anthracene	ND		5.2	0.29	ug/L		10/24/15 08:34	11/02/15 18:15	1
Atrazine	ND		5.2	0.47	ug/L		10/24/15 08:34	11/02/15 18:15	1
Benzaldehyde	**1.1**	**J**	5.2	0.28	ug/L		10/24/15 08:34	11/02/15 18:15	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		10/24/15 08:34	11/02/15 18:15	1
Benzo[a]pyrene	ND		5.2	0.48	ug/L		10/24/15 08:34	11/02/15 18:15	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/24/15 08:34	11/02/15 18:15	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		10/24/15 08:34	11/02/15 18:15	1
Benzo[k]fluoranthene	ND		5.2	0.75	ug/L		10/24/15 08:34	11/02/15 18:15	1
Biphenyl	ND		5.2	0.67	ug/L		10/24/15 08:34	11/02/15 18:15	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/24/15 08:34	11/02/15 18:15	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		10/24/15 08:34	11/02/15 18:15	1
Bis(2-chloroethyl)ether	ND		5.2	0.41	ug/L		10/24/15 08:34	11/02/15 18:15	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/24/15 08:34	11/02/15 18:15	1
Butyl benzyl phthalate	ND		5.2	0.43	ug/L		10/24/15 08:34	11/02/15 18:15	1
Caprolactam	ND		5.2	2.3	ug/L		10/24/15 08:34	11/02/15 18:15	1
Carbazole	ND		5.2	0.31	ug/L		10/24/15 08:34	11/02/15 18:15	1
Chrysene	ND		5.2	0.34	ug/L		10/24/15 08:34	11/02/15 18:15	1
Dibenz(a,h)anthracene	ND		5.2	0.43	ug/L		10/24/15 08:34	11/02/15 18:15	1
Dibenzofuran	ND		10	0.53	ug/L		10/24/15 08:34	11/02/15 18:15	1
Diethyl phthalate	ND		5.2	0.23	ug/L		10/24/15 08:34	11/02/15 18:15	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		10/24/15 08:34	11/02/15 18:15	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		10/24/15 08:34	11/02/15 18:15	1
Di-n-octyl phthalate	ND		5.2	0.48	ug/L		10/24/15 08:34	11/02/15 18:15	1

Client Sample ID: CB-14-102115

Date Collected: 10/21/15 09:30
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.41	ug/L		10/24/15 08:34	11/02/15 18:15	1
Fluorene	ND		5.2	0.37	ug/L		10/24/15 08:34	11/02/15 18:15	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/24/15 08:34	11/02/15 18:15	1
Hexachlorobutadiene	ND		5.2	0.70	ug/L		10/24/15 08:34	11/02/15 18:15	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/24/15 08:34	11/02/15 18:15	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/24/15 08:34	11/02/15 18:15	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.48	ug/L		10/24/15 08:34	11/02/15 18:15	1
Isophorone	ND		5.2	0.44	ug/L		10/24/15 08:34	11/02/15 18:15	1
Naphthalene	ND		5.2	0.78	ug/L		10/24/15 08:34	11/02/15 18:15	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/24/15 08:34	11/02/15 18:15	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/24/15 08:34	11/02/15 18:15	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/24/15 08:34	11/02/15 18:15	1
Pentachlorophenol	ND		10	2.3	ug/L		10/24/15 08:34	11/02/15 18:15	1
Phenanthrene	ND		5.2	0.45	ug/L		10/24/15 08:34	11/02/15 18:15	1
Phenol	ND		5.2	0.40	ug/L		10/24/15 08:34	11/02/15 18:15	1
Pyrene	ND		5.2	0.35	ug/L		10/24/15 08:34	11/02/15 18:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*8.6*	*T J*	*ug/L*		*3.49*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Cyclohexane	*17*	*T J N*	*ug/L*		*3.61*	*110-82-7*	*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*86*	*T J*	*ug/L*		*3.77*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Decane	*2.6*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/24/15 08:34*	*11/02/15 18:15*	*1*
Cyclopentasiloxane, decamethyl-	*13*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/24/15 08:34*	*11/02/15 18:15*	*1*
Cyclohexasiloxane, dodecamethyl-	*3.3*	*T J N*	*ug/L*		*8.33*	*540-97-6*	*10/24/15 08:34*	*11/02/15 18:15*	*1*
Benzoic acid, p-tert-butyl-	*4.2*	*T J N*	*ug/L*		*9.33*	*98-73-7*	*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*10.78*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*11.34*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*34*	*T J*	*ug/L*		*11.76*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*14*	*T J*	*ug/L*		*12.39*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*25*	*T J*	*ug/L*		*12.84*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*7.4*	*T J*	*ug/L*		*13.29*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*22*	*T J*	*ug/L*		*13.63*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*7.9*	*T J*	*ug/L*		*14.09*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*14.68*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*26*	*T J*	*ug/L*		*15.05*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*16.21*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*7.1*	*T J*	*ug/L*		*16.60*		*10/24/15 08:34*	*11/02/15 18:15*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*17.30*		*10/24/15 08:34*	*11/02/15 18:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*52 - 132*	*10/24/15 08:34*	*11/02/15 18:15*	*1*
2-Fluorobiphenyl	*57*		*48 - 120*	*10/24/15 08:34*	*11/02/15 18:15*	*1*
2-Fluorophenol (Surr)	*33*		*20 - 120*	*10/24/15 08:34*	*11/02/15 18:15*	*1*
Nitrobenzene-d5 (Surr)	*51*		*46 - 120*	*10/24/15 08:34*	*11/02/15 18:15*	*1*
Phenol-d5 (Surr)	*24*		*16 - 120*	*10/24/15 08:34*	*11/02/15 18:15*	*1*
p-Terphenyl-d14 (Surr)	*63*	*X*	*67 - 150*	*10/24/15 08:34*	*11/02/15 18:15*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.61**	**B**	0.20	0.060	mg/L		10/23/15 08:10	10/24/15 00:55	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-14-102115
Date Collected: 10/21/15 09:30
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/23/15 08:10	10/24/15 00:55	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 08:10	10/24/15 00:55	1
Barium	**0.026**		0.0020	0.00070	mg/L		10/23/15 08:10	10/24/15 00:55	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 08:10	10/24/15 00:55	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 08:10	10/24/15 00:55	1
Calcium	**20.8**		0.50	0.10	mg/L		10/23/15 08:10	10/24/15 00:55	1
Chromium	**0.0016**	**J**	0.0040	0.0010	mg/L		10/23/15 08:10	10/24/15 00:55	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 08:10	10/24/15 00:55	1
Copper	**0.0066**	**J**	0.010	0.0016	mg/L		10/23/15 08:10	10/24/15 00:55	1
Iron	**1.1**	**^**	0.050	0.019	mg/L		10/23/15 08:10	10/24/15 00:55	1
Lead	**0.0048**	**J**	0.010	0.0030	mg/L		10/23/15 08:10	10/24/15 00:55	1
Magnesium	**0.75**		0.20	0.043	mg/L		10/23/15 08:10	10/24/15 00:55	1
Manganese	**0.081**		0.0030	0.00040	mg/L		10/23/15 08:10	10/24/15 00:55	1
Nickel	**0.0018**	**J**	0.010	0.0013	mg/L		10/23/15 08:10	10/24/15 00:55	1
Potassium	**1.0**		0.50	0.10	mg/L		10/23/15 08:10	10/24/15 00:55	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 08:10	10/24/15 00:55	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 08:10	10/24/15 00:55	1
Sodium	**19.3**		1.0	0.32	mg/L		10/23/15 08:10	10/24/15 00:55	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 08:10	10/24/15 00:55	1
Vanadium	**0.0026**	**J**	0.0050	0.0015	mg/L		10/23/15 08:10	10/24/15 00:55	1
Zinc	**0.043**	**B**	0.010	0.0015	mg/L		10/23/15 08:10	10/24/15 00:55	1

Client Sample ID: CB-14-F-102115

Date Collected: 10/21/15 09:33
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/24/15 08:34	11/02/15 18:44	1
2,4,6-Trichlorophenol	ND		5.0	0.60	ug/L		10/24/15 08:34	11/02/15 18:44	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/24/15 08:34	11/02/15 18:44	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/24/15 08:34	11/02/15 18:44	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		10/24/15 08:34	11/02/15 18:44	1
2,4-Dinitrotoluene	ND		5.0	0.44	ug/L		10/24/15 08:34	11/02/15 18:44	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 18:44	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/24/15 08:34	11/02/15 18:44	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/24/15 08:34	11/02/15 18:44	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/24/15 08:34	11/02/15 18:44	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 18:44	1
2-Nitroaniline	ND		9.9	0.42	ug/L		10/24/15 08:34	11/02/15 18:44	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/24/15 08:34	11/02/15 18:44	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 18:44	1
3-Nitroaniline	ND		9.9	0.48	ug/L		10/24/15 08:34	11/02/15 18:44	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		10/24/15 08:34	11/02/15 18:44	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/24/15 08:34	11/02/15 18:44	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/24/15 08:34	11/02/15 18:44	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/24/15 08:34	11/02/15 18:44	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/24/15 08:34	11/02/15 18:44	1
4-Methylphenol	ND		9.9	0.36	ug/L		10/24/15 08:34	11/02/15 18:44	1
4-Nitroaniline	ND		9.9	0.25	ug/L		10/24/15 08:34	11/02/15 18:44	1
4-Nitrophenol	**1.8**	**J**	9.9	1.5	ug/L		10/24/15 08:34	11/02/15 18:44	1
Acenaphthene	ND		5.0	0.41	ug/L		10/24/15 08:34	11/02/15 18:44	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/15 08:34	11/02/15 18:44	1
Acetophenone	ND		5.0	0.54	ug/L		10/24/15 08:34	11/02/15 18:44	1
Anthracene	ND		5.0	0.28	ug/L		10/24/15 08:34	11/02/15 18:44	1
Atrazine	ND		5.0	0.46	ug/L		10/24/15 08:34	11/02/15 18:44	1
Benzaldehyde	**1.2**	**J**	5.0	0.26	ug/L		10/24/15 08:34	11/02/15 18:44	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/15 08:34	11/02/15 18:44	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:34	11/02/15 18:44	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/15 08:34	11/02/15 18:44	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/15 08:34	11/02/15 18:44	1
Benzo[k]fluoranthene	ND		5.0	0.72	ug/L		10/24/15 08:34	11/02/15 18:44	1
Biphenyl	ND		5.0	0.65	ug/L		10/24/15 08:34	11/02/15 18:44	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/24/15 08:34	11/02/15 18:44	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/24/15 08:34	11/02/15 18:44	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 18:44	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/24/15 08:34	11/02/15 18:44	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		10/24/15 08:34	11/02/15 18:44	1
Caprolactam	ND		5.0	2.2	ug/L		10/24/15 08:34	11/02/15 18:44	1
Carbazole	ND		5.0	0.30	ug/L		10/24/15 08:34	11/02/15 18:44	1
Chrysene	ND		5.0	0.33	ug/L		10/24/15 08:34	11/02/15 18:44	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/15 08:34	11/02/15 18:44	1
Dibenzofuran	ND		9.9	0.51	ug/L		10/24/15 08:34	11/02/15 18:44	1
Diethyl phthalate	**7.5**		5.0	0.22	ug/L		10/24/15 08:34	11/02/15 18:44	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/24/15 08:34	11/02/15 18:44	1
Di-n-butyl phthalate	**0.45**	**J**	5.0	0.31	ug/L		10/24/15 08:34	11/02/15 18:44	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/24/15 08:34	11/02/15 18:44	1

Client Sample ID: CB-14-F-102115

Date Collected: 10/21/15 09:33
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 18:44	1
Fluorene	ND		5.0	0.36	ug/L		10/24/15 08:34	11/02/15 18:44	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/24/15 08:34	11/02/15 18:44	1
Hexachlorobutadiene	ND		5.0	0.67	ug/L		10/24/15 08:34	11/02/15 18:44	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/24/15 08:34	11/02/15 18:44	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/24/15 08:34	11/02/15 18:44	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:34	11/02/15 18:44	1
Isophorone	ND		5.0	0.43	ug/L		10/24/15 08:34	11/02/15 18:44	1
Naphthalene	ND		5.0	0.75	ug/L		10/24/15 08:34	11/02/15 18:44	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/24/15 08:34	11/02/15 18:44	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/24/15 08:34	11/02/15 18:44	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/24/15 08:34	11/02/15 18:44	1
Pentachlorophenol	ND		9.9	2.2	ug/L		10/24/15 08:34	11/02/15 18:44	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/15 08:34	11/02/15 18:44	1
Phenol	ND		5.0	0.39	ug/L		10/24/15 08:34	11/02/15 18:44	1
Pyrene	ND		5.0	0.34	ug/L		10/24/15 08:34	11/02/15 18:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*21*	*T J N*	*ug/L*		*3.62*	*110-82-7*	*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.79*		*10/24/15 08:34*	*11/02/15 18:44*	*1*
Formamide, N,N-dimethyl-	*4.7*	*T J N*	*ug/L*		*4.88*	*68-12-2*	*10/24/15 08:34*	*11/02/15 18:44*	*1*
Cyclopentasiloxane, decamethyl-	*12*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/24/15 08:34*	*11/02/15 18:44*	*1*
Benzoic acid, p-tert-butyl-	*8.0*	*T J N*	*ug/L*		*9.34*	*98-73-7*	*10/24/15 08:34*	*11/02/15 18:44*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*7.7*	*T J N*	*ug/L*		*9.39*	*96-76-4*	*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*11*	*T J*	*ug/L*		*10.79*		*10/24/15 08:34*	*11/02/15 18:44*	*1*
n-Hexadecanoic acid	*6.8*	*T J N*	*ug/L*		*11.08*	*57-10-3*	*10/24/15 08:34*	*11/02/15 18:44*	*1*
Diphenyl sulfone	*19*	*T J N*	*ug/L*		*11.20*	*127-63-9*	*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*11.34*		*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*34*	*T J*	*ug/L*		*11.76*		*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*13*	*T J*	*ug/L*		*12.39*		*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*25*	*T J*	*ug/L*		*12.84*		*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*13.29*		*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*23*	*T J*	*ug/L*		*13.63*		*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*5.1*	*T J*	*ug/L*		*14.68*		*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*7.0*	*T J*	*ug/L*		*15.02*		*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*17*	*T J*	*ug/L*		*15.05*		*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*8.4*	*T J*	*ug/L*		*16.20*		*10/24/15 08:34*	*11/02/15 18:44*	*1*
Unknown	*5.4*	*T J*	*ug/L*		*16.60*		*10/24/15 08:34*	*11/02/15 18:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*106*		*52 - 132*	*10/24/15 08:34*	*11/02/15 18:44*	*1*
2-Fluorobiphenyl	*78*		*48 - 120*	*10/24/15 08:34*	*11/02/15 18:44*	*1*
2-Fluorophenol (Surr)	*49*		*20 - 120*	*10/24/15 08:34*	*11/02/15 18:44*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 120*	*10/24/15 08:34*	*11/02/15 18:44*	*1*
Phenol-d5 (Surr)	*34*		*16 - 120*	*10/24/15 08:34*	*11/02/15 18:44*	*1*
p-Terphenyl-d14 (Surr)	*89*		*67 - 150*	*10/24/15 08:34*	*11/02/15 18:44*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.19**	**J B**	0.20	0.060	mg/L		10/23/15 08:10	10/24/15 01:08	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-14-F-102115
Date Collected: 10/21/15 09:33
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/23/15 08:10	10/24/15 01:08	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 08:10	10/24/15 01:08	1
Barium	**0.020**		0.0020	0.00070	mg/L		10/23/15 08:10	10/24/15 01:08	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 08:10	10/24/15 01:08	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 08:10	10/24/15 01:08	1
Calcium	**20.2**		0.50	0.10	mg/L		10/23/15 08:10	10/24/15 01:08	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 08:10	10/24/15 01:08	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 08:10	10/24/15 01:08	1
Copper	**0.0036**	**J**	0.010	0.0016	mg/L		10/23/15 08:10	10/24/15 01:08	1
Iron	**0.34**		0.050	0.019	mg/L		10/23/15 08:10	10/24/15 01:08	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 08:10	10/24/15 01:08	1
Magnesium	**0.59**		0.20	0.043	mg/L		10/23/15 08:10	10/24/15 01:08	1
Manganese	**0.054**		0.0030	0.00040	mg/L		10/23/15 08:10	10/24/15 01:08	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 08:10	10/24/15 01:08	1
Potassium	**0.92**		0.50	0.10	mg/L		10/23/15 08:10	10/24/15 01:08	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 08:10	10/24/15 01:08	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 08:10	10/24/15 01:08	1
Sodium	**19.0**		1.0	0.32	mg/L		10/23/15 08:10	10/24/15 01:08	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 08:10	10/24/15 01:08	1
Vanadium	**0.0017**	**J**	0.0050	0.0015	mg/L		10/23/15 08:10	10/24/15 01:08	1
Zinc	**0.018**	**B**	0.010	0.0015	mg/L		10/23/15 08:10	10/24/15 01:08	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-11-102115
Date Collected: 10/21/15 10:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/24/15 08:34	11/02/15 19:13	1
2,4,6-Trichlorophenol	ND		5.1	0.63	ug/L		10/24/15 08:34	11/02/15 19:13	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/24/15 08:34	11/02/15 19:13	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/24/15 08:34	11/02/15 19:13	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/24/15 08:34	11/02/15 19:13	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/24/15 08:34	11/02/15 19:13	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 19:13	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/24/15 08:34	11/02/15 19:13	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/24/15 08:34	11/02/15 19:13	1
2-Methylnaphthalene	ND		5.1	0.62	ug/L		10/24/15 08:34	11/02/15 19:13	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 19:13	1
2-Nitroaniline	ND		10	0.43	ug/L		10/24/15 08:34	11/02/15 19:13	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/24/15 08:34	11/02/15 19:13	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 19:13	1
3-Nitroaniline	ND		10	0.49	ug/L		10/24/15 08:34	11/02/15 19:13	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/24/15 08:34	11/02/15 19:13	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/24/15 08:34	11/02/15 19:13	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/24/15 08:34	11/02/15 19:13	1
4-Chloroaniline	ND		5.1	0.61	ug/L		10/24/15 08:34	11/02/15 19:13	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/24/15 08:34	11/02/15 19:13	1
4-Methylphenol	ND		10	0.37	ug/L		10/24/15 08:34	11/02/15 19:13	1
4-Nitroaniline	ND		10	0.26	ug/L		10/24/15 08:34	11/02/15 19:13	1
4-Nitrophenol	**1.8**	**J**	10	1.6	ug/L		10/24/15 08:34	11/02/15 19:13	1
Acenaphthene	ND		5.1	0.42	ug/L		10/24/15 08:34	11/02/15 19:13	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/24/15 08:34	11/02/15 19:13	1
Acetophenone	ND		5.1	0.56	ug/L		10/24/15 08:34	11/02/15 19:13	1
Anthracene	ND		5.1	0.29	ug/L		10/24/15 08:34	11/02/15 19:13	1
Atrazine	ND		5.1	0.47	ug/L		10/24/15 08:34	11/02/15 19:13	1
Benzaldehyde	**1.2**	**J**	5.1	0.27	ug/L		10/24/15 08:34	11/02/15 19:13	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/24/15 08:34	11/02/15 19:13	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/24/15 08:34	11/02/15 19:13	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/24/15 08:34	11/02/15 19:13	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/24/15 08:34	11/02/15 19:13	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/24/15 08:34	11/02/15 19:13	1
Biphenyl	ND		5.1	0.67	ug/L		10/24/15 08:34	11/02/15 19:13	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/24/15 08:34	11/02/15 19:13	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/24/15 08:34	11/02/15 19:13	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 19:13	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.9	ug/L		10/24/15 08:34	11/02/15 19:13	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		10/24/15 08:34	11/02/15 19:13	1
Caprolactam	ND		5.1	2.3	ug/L		10/24/15 08:34	11/02/15 19:13	1
Carbazole	ND		5.1	0.31	ug/L		10/24/15 08:34	11/02/15 19:13	1
Chrysene	ND		5.1	0.34	ug/L		10/24/15 08:34	11/02/15 19:13	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/24/15 08:34	11/02/15 19:13	1
Dibenzofuran	ND		10	0.52	ug/L		10/24/15 08:34	11/02/15 19:13	1
Diethyl phthalate	ND		5.1	0.23	ug/L		10/24/15 08:34	11/02/15 19:13	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/24/15 08:34	11/02/15 19:13	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/24/15 08:34	11/02/15 19:13	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/24/15 08:34	11/02/15 19:13	1

Client Sample ID: CB-11-102115
Date Collected: 10/21/15 10:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 19:13	1
Fluorene	ND		5.1	0.37	ug/L		10/24/15 08:34	11/02/15 19:13	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/24/15 08:34	11/02/15 19:13	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/24/15 08:34	11/02/15 19:13	1
Hexachlorocyclopentadiene	ND		5.1	0.61	ug/L		10/24/15 08:34	11/02/15 19:13	1
Hexachloroethane	ND		5.1	0.61	ug/L		10/24/15 08:34	11/02/15 19:13	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/24/15 08:34	11/02/15 19:13	1
Isophorone	ND		5.1	0.44	ug/L		10/24/15 08:34	11/02/15 19:13	1
Naphthalene	ND		5.1	0.78	ug/L		10/24/15 08:34	11/02/15 19:13	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/24/15 08:34	11/02/15 19:13	1
N-Nitrosodi-n-propylamine	ND		5.1	0.56	ug/L		10/24/15 08:34	11/02/15 19:13	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/24/15 08:34	11/02/15 19:13	1
Pentachlorophenol	ND		10	2.3	ug/L		10/24/15 08:34	11/02/15 19:13	1
Phenanthrene	ND		5.1	0.45	ug/L		10/24/15 08:34	11/02/15 19:13	1
Phenol	ND		5.1	0.40	ug/L		10/24/15 08:34	11/02/15 19:13	1
Pyrene	ND		5.1	0.35	ug/L		10/24/15 08:34	11/02/15 19:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.8*	*T J*	*ug/L*		*3.37*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Cyclohexane	*24*	*T J N*	*ug/L*		*3.61*	*110-82-7*	*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*140*	*T J*	*ug/L*		*3.78*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Decane	*4.6*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/24/15 08:34*	*11/02/15 19:13*	*1*
Cyclopentasiloxane, decamethyl-	*11*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/24/15 08:34*	*11/02/15 19:13*	*1*
Cyclohexasiloxane, dodecamethyl-	*3.6*	*T J N*	*ug/L*		*8.33*	*540-97-6*	*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*10.78*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*11.34*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*39*	*T J*	*ug/L*		*11.76*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*12.11*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*19*	*T J*	*ug/L*		*12.39*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*30*	*T J*	*ug/L*		*12.84*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*7.9*	*T J*	*ug/L*		*13.29*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*26*	*T J*	*ug/L*		*13.63*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*30*	*T J*	*ug/L*		*14.13*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*6.2*	*T J*	*ug/L*		*14.68*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*5.1*	*T J*	*ug/L*		*15.01*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*21*	*T J*	*ug/L*		*15.05*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*8.2*	*T J*	*ug/L*		*16.21*		*10/24/15 08:34*	*11/02/15 19:13*	*1*
Unknown	*7.8*	*T J*	*ug/L*		*16.60*		*10/24/15 08:34*	*11/02/15 19:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*108*		*52 - 132*	*10/24/15 08:34*	*11/02/15 19:13*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*10/24/15 08:34*	*11/02/15 19:13*	*1*
2-Fluorophenol (Surr)	*55*		*20 - 120*	*10/24/15 08:34*	*11/02/15 19:13*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*10/24/15 08:34*	*11/02/15 19:13*	*1*
Phenol-d5 (Surr)	*37*		*16 - 120*	*10/24/15 08:34*	*11/02/15 19:13*	*1*
p-Terphenyl-d14 (Surr)	*84*		*67 - 150*	*10/24/15 08:34*	*11/02/15 19:13*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.16**	**J B**	0.20	0.060	mg/L		10/23/15 08:10	10/24/15 01:11	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-11-102115
Date Collected: 10/21/15 10:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/23/15 08:10	10/24/15 01:11	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 08:10	10/24/15 01:11	1
Barium	**0.017**		0.0020	0.00070	mg/L		10/23/15 08:10	10/24/15 01:11	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 08:10	10/24/15 01:11	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 08:10	10/24/15 01:11	1
Calcium	**25.9**		0.50	0.10	mg/L		10/23/15 08:10	10/24/15 01:11	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 08:10	10/24/15 01:11	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 08:10	10/24/15 01:11	1
Copper	**0.0031**	**J**	0.010	0.0016	mg/L		10/23/15 08:10	10/24/15 01:11	1
Iron	**0.55**		0.050	0.019	mg/L		10/23/15 08:10	10/24/15 01:11	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 08:10	10/24/15 01:11	1
Magnesium	**0.73**		0.20	0.043	mg/L		10/23/15 08:10	10/24/15 01:11	1
Manganese	**0.16**		0.0030	0.00040	mg/L		10/23/15 08:10	10/24/15 01:11	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 08:10	10/24/15 01:11	1
Potassium	**1.9**		0.50	0.10	mg/L		10/23/15 08:10	10/24/15 01:11	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 08:10	10/24/15 01:11	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 08:10	10/24/15 01:11	1
Sodium	**22.2**		1.0	0.32	mg/L		10/23/15 08:10	10/24/15 01:11	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 08:10	10/24/15 01:11	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 08:10	10/24/15 01:11	1
Zinc	**0.0064**	**J B**	0.010	0.0015	mg/L		10/23/15 08:10	10/24/15 01:11	1

Client Sample ID: CB-11-F-102115

Date Collected: 10/21/15 10:13
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/22/15 16:40	10/27/15 00:14	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		10/22/15 16:40	10/27/15 00:14	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/22/15 16:40	10/27/15 00:14	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/22/15 16:40	10/27/15 00:14	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/22/15 16:40	10/27/15 00:14	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		10/22/15 16:40	10/27/15 00:14	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		10/22/15 16:40	10/27/15 00:14	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		10/22/15 16:40	10/27/15 00:14	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/22/15 16:40	10/27/15 00:14	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		10/22/15 16:40	10/27/15 00:14	1
2-Methylphenol	ND		5.2	0.42	ug/L		10/22/15 16:40	10/27/15 00:14	1
2-Nitroaniline	ND		10	0.44	ug/L		10/22/15 16:40	10/27/15 00:14	1
2-Nitrophenol	ND		5.2	0.50	ug/L		10/22/15 16:40	10/27/15 00:14	1
3,3'-Dichlorobenzidine	ND	F1 F2	5.2	0.42	ug/L		10/22/15 16:40	10/27/15 00:14	1
3-Nitroaniline	ND	F1	10	0.50	ug/L		10/22/15 16:40	10/27/15 00:14	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/22/15 16:40	10/27/15 00:14	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		10/22/15 16:40	10/27/15 00:14	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		10/22/15 16:40	10/27/15 00:14	1
4-Chloroaniline	ND	F1	5.2	0.61	ug/L		10/22/15 16:40	10/27/15 00:14	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		10/22/15 16:40	10/27/15 00:14	1
4-Methylphenol	ND		10	0.38	ug/L		10/22/15 16:40	10/27/15 00:14	1
4-Nitroaniline	ND	F1	10	0.26	ug/L		10/22/15 16:40	10/27/15 00:14	1
4-Nitrophenol	**2.2**	**J**	10	1.6	ug/L		10/22/15 16:40	10/27/15 00:14	1
Acenaphthene	ND		5.2	0.43	ug/L		10/22/15 16:40	10/27/15 00:14	1
Acenaphthylene	ND		5.2	0.40	ug/L		10/22/15 16:40	10/27/15 00:14	1
Acetophenone	ND		5.2	0.56	ug/L		10/22/15 16:40	10/27/15 00:14	1
Anthracene	ND		5.2	0.29	ug/L		10/22/15 16:40	10/27/15 00:14	1
Atrazine	ND		5.2	0.48	ug/L		10/22/15 16:40	10/27/15 00:14	1
Benzaldehyde	ND		5.2	0.28	ug/L		10/22/15 16:40	10/27/15 00:14	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		10/22/15 16:40	10/27/15 00:14	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		10/22/15 16:40	10/27/15 00:14	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/22/15 16:40	10/27/15 00:14	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		10/22/15 16:40	10/27/15 00:14	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		10/22/15 16:40	10/27/15 00:14	1
Biphenyl	ND		5.2	0.68	ug/L		10/22/15 16:40	10/27/15 00:14	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/22/15 16:40	10/27/15 00:14	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		10/22/15 16:40	10/27/15 00:14	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		10/22/15 16:40	10/27/15 00:14	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/22/15 16:40	10/27/15 00:14	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		10/22/15 16:40	10/27/15 00:14	1
Caprolactam	ND		5.2	2.3	ug/L		10/22/15 16:40	10/27/15 00:14	1
Carbazole	ND		5.2	0.31	ug/L		10/22/15 16:40	10/27/15 00:14	1
Chrysene	ND		5.2	0.34	ug/L		10/22/15 16:40	10/27/15 00:14	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		10/22/15 16:40	10/27/15 00:14	1
Dibenzofuran	ND		10	0.53	ug/L		10/22/15 16:40	10/27/15 00:14	1
Diethyl phthalate	**1.2**	**J**	5.2	0.23	ug/L		10/22/15 16:40	10/27/15 00:14	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		10/22/15 16:40	10/27/15 00:14	1
Di-n-butyl phthalate	**0.42**	**J**	5.2	0.32	ug/L		10/22/15 16:40	10/27/15 00:14	1
Di-n-octyl phthalate	**0.73**	**J**	5.2	0.49	ug/L		10/22/15 16:40	10/27/15 00:14	1

Client Sample ID: CB-11-F-102115

Date Collected: 10/21/15 10:13
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		10/22/15 16:40	10/27/15 00:14	1
Fluorene	ND		5.2	0.38	ug/L		10/22/15 16:40	10/27/15 00:14	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/22/15 16:40	10/27/15 00:14	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		10/22/15 16:40	10/27/15 00:14	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/22/15 16:40	10/27/15 00:14	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/22/15 16:40	10/27/15 00:14	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		10/22/15 16:40	10/27/15 00:14	1
Isophorone	ND		5.2	0.45	ug/L		10/22/15 16:40	10/27/15 00:14	1
Naphthalene	ND		5.2	0.79	ug/L		10/22/15 16:40	10/27/15 00:14	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/22/15 16:40	10/27/15 00:14	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/22/15 16:40	10/27/15 00:14	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/22/15 16:40	10/27/15 00:14	1
Pentachlorophenol	ND		10	2.3	ug/L		10/22/15 16:40	10/27/15 00:14	1
Phenanthrene	ND		5.2	0.46	ug/L		10/22/15 16:40	10/27/15 00:14	1
Phenol	**0.89**	**J**	5.2	0.41	ug/L		10/22/15 16:40	10/27/15 00:14	1
Pyrene	ND		5.2	0.35	ug/L		10/22/15 16:40	10/27/15 00:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.2*	*T J*	*ug/L*		*3.27*		*10/22/15 16:40*	*10/27/15 00:14*	*1*
Cyclohexane	*27*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
Unknown	*160*	*T J*	*ug/L*		*3.69*		*10/22/15 16:40*	*10/27/15 00:14*	*1*
Formamide, N,N-dimethyl-	*6.8*	*T J N*	*ug/L*		*4.81*	*68-12-2*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*5.44*		*10/22/15 16:40*	*10/27/15 00:14*	*1*
Cyclotetrasiloxane, octamethyl-	*16*	*T J N*	*ug/L*		*6.50*	*556-67-2*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
Decane	*3.2*	*T J N*	*ug/L*		*6.69*	*124-18-5*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
Cyclopentasiloxane, decamethyl-	*7.5*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
Cyclohexasiloxane, dodecamethyl-	*4.4*	*T J N*	*ug/L*		*8.33*	*540-97-6*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*8.81*		*10/22/15 16:40*	*10/27/15 00:14*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*9.11*		*10/22/15 16:40*	*10/27/15 00:14*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*8.0*	*T J N*	*ug/L*		*9.39*	*96-76-4*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
Diphenyl sulfone	*11*	*T J N*	*ug/L*		*11.18*	*127-63-9*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*12.38*		*10/22/15 16:40*	*10/27/15 00:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*52 - 132*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
2-Fluorophenol (Surr)	*59*		*20 - 120*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 120*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
Phenol-d5 (Surr)	*41*		*16 - 120*	*10/22/15 16:40*	*10/27/15 00:14*	*1*
p-Terphenyl-d14 (Surr)	*86*		*67 - 150*	*10/22/15 16:40*	*10/27/15 00:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 15:37	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 15:37	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 15:37	1
Barium	**0.016**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 15:37	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 15:37	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 15:37	1
Calcium	**26.2**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 15:37	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-11-F-102115
Date Collected: 10/21/15 10:13
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-6
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 15:37	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 15:37	1
Copper	**0.0016**	**J**	0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 15:37	1
Iron	**0.14**		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 15:37	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 15:37	1
Magnesium	**0.67**		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 15:37	1
Manganese	**0.15**		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 15:37	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 15:37	1
Potassium	**2.0**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 15:37	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 15:37	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 15:37	1
Sodium	**22.2**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 15:37	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 15:37	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 15:37	1
Zinc	**0.0017**	**J**	0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 15:37	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-10-102115
Date Collected: 10/21/15 11:30
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/22/15 16:40	10/24/15 19:57	1
2,4,6-Trichlorophenol	ND		5.3	0.64	ug/L		10/22/15 16:40	10/24/15 19:57	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/22/15 16:40	10/24/15 19:57	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/22/15 16:40	10/24/15 19:57	1
2,4-Dinitrophenol	ND		11	2.3	ug/L		10/22/15 16:40	10/24/15 19:57	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		10/22/15 16:40	10/24/15 19:57	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		10/22/15 16:40	10/24/15 19:57	1
2-Chloronaphthalene	ND		5.3	0.48	ug/L		10/22/15 16:40	10/24/15 19:57	1
2-Chlorophenol	ND		5.3	0.56	ug/L		10/22/15 16:40	10/24/15 19:57	1
2-Methylnaphthalene	ND		5.3	0.63	ug/L		10/22/15 16:40	10/24/15 19:57	1
2-Methylphenol	ND		5.3	0.42	ug/L		10/22/15 16:40	10/24/15 19:57	1
2-Nitroaniline	ND		11	0.44	ug/L		10/22/15 16:40	10/24/15 19:57	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/22/15 16:40	10/24/15 19:57	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		10/22/15 16:40	10/24/15 19:57	1
3-Nitroaniline	ND		11	0.51	ug/L		10/22/15 16:40	10/24/15 19:57	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		10/22/15 16:40	10/24/15 19:57	1
4-Bromophenyl phenyl ether	ND		5.3	0.47	ug/L		10/22/15 16:40	10/24/15 19:57	1
4-Chloro-3-methylphenol	ND		5.3	0.47	ug/L		10/22/15 16:40	10/24/15 19:57	1
4-Chloroaniline	ND		5.3	0.62	ug/L		10/22/15 16:40	10/24/15 19:57	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/22/15 16:40	10/24/15 19:57	1
4-Methylphenol	ND		11	0.38	ug/L		10/22/15 16:40	10/24/15 19:57	1
4-Nitroaniline	ND		11	0.26	ug/L		10/22/15 16:40	10/24/15 19:57	1
4-Nitrophenol	ND		11	1.6	ug/L		10/22/15 16:40	10/24/15 19:57	1
Acenaphthene	ND		5.3	0.43	ug/L		10/22/15 16:40	10/24/15 19:57	1
Acenaphthylene	ND		5.3	0.40	ug/L		10/22/15 16:40	10/24/15 19:57	1
Acetophenone	ND		5.3	0.57	ug/L		10/22/15 16:40	10/24/15 19:57	1
Anthracene	ND		5.3	0.29	ug/L		10/22/15 16:40	10/24/15 19:57	1
Atrazine	ND		5.3	0.48	ug/L		10/22/15 16:40	10/24/15 19:57	1
Benzaldehyde	**0.38**	**J B**	5.3	0.28	ug/L		10/22/15 16:40	10/24/15 19:57	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/22/15 16:40	10/24/15 19:57	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/22/15 16:40	10/24/15 19:57	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/22/15 16:40	10/24/15 19:57	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/22/15 16:40	10/24/15 19:57	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		10/22/15 16:40	10/24/15 19:57	1
Biphenyl	ND		5.3	0.69	ug/L		10/22/15 16:40	10/24/15 19:57	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		10/22/15 16:40	10/24/15 19:57	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/22/15 16:40	10/24/15 19:57	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		10/22/15 16:40	10/24/15 19:57	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/22/15 16:40	10/24/15 19:57	1
Butyl benzyl phthalate	ND		5.3	0.44	ug/L		10/22/15 16:40	10/24/15 19:57	1
Caprolactam	ND		5.3	2.3	ug/L		10/22/15 16:40	10/24/15 19:57	1
Carbazole	ND		5.3	0.32	ug/L		10/22/15 16:40	10/24/15 19:57	1
Chrysene	ND		5.3	0.35	ug/L		10/22/15 16:40	10/24/15 19:57	1
Dibenz(a,h)anthracene	ND		5.3	0.44	ug/L		10/22/15 16:40	10/24/15 19:57	1
Dibenzofuran	ND		11	0.54	ug/L		10/22/15 16:40	10/24/15 19:57	1
Diethyl phthalate	ND		5.3	0.23	ug/L		10/22/15 16:40	10/24/15 19:57	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		10/22/15 16:40	10/24/15 19:57	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		10/22/15 16:40	10/24/15 19:57	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		10/22/15 16:40	10/24/15 19:57	1

Client Sample ID: CB-10-102115

Date Collected: 10/21/15 11:30
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-7

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.42	ug/L		10/22/15 16:40	10/24/15 19:57	1
Fluorene	ND		5.3	0.38	ug/L		10/22/15 16:40	10/24/15 19:57	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/22/15 16:40	10/24/15 19:57	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		10/22/15 16:40	10/24/15 19:57	1
Hexachlorocyclopentadiene	ND		5.3	0.62	ug/L		10/22/15 16:40	10/24/15 19:57	1
Hexachloroethane	ND		5.3	0.62	ug/L		10/22/15 16:40	10/24/15 19:57	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/22/15 16:40	10/24/15 19:57	1
Isophorone	ND		5.3	0.45	ug/L		10/22/15 16:40	10/24/15 19:57	1
Naphthalene	ND		5.3	0.80	ug/L		10/22/15 16:40	10/24/15 19:57	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/22/15 16:40	10/24/15 19:57	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		10/22/15 16:40	10/24/15 19:57	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/22/15 16:40	10/24/15 19:57	1
Pentachlorophenol	ND		11	2.3	ug/L		10/22/15 16:40	10/24/15 19:57	1
Phenanthrene	ND		5.3	0.46	ug/L		10/22/15 16:40	10/24/15 19:57	1
Phenol	ND		5.3	0.41	ug/L		10/22/15 16:40	10/24/15 19:57	1
Pyrene	ND		5.3	0.36	ug/L		10/22/15 16:40	10/24/15 19:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*94*	*T J*	*ug/L*		*3.44*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*4.90*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*7.82*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*8.59*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
n-Hexadecanoic acid	*11*	*T J N*	*ug/L*		*10.47*	*57-10-3*	*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*10.71*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*20*	*T J*	*ug/L*		*11.06*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Octadecanoic acid	*12*	*T J N*	*ug/L*		*11.13*	*57-11-4*	*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*6.4*	*T J*	*ug/L*		*11.57*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*8.9*	*T J*	*ug/L*		*11.92*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*12.27*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*12*	*T J*	*ug/L*		*12.54*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*17*	*T J*	*ug/L*		*12.94*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*13.37*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*12*	*T J*	*ug/L*		*13.67*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*14.63*		*10/22/15 16:40*	*10/24/15 19:57*	*1*
Unknown	*15*	*T J*	*ug/L*		*14.97*		*10/22/15 16:40*	*10/24/15 19:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*52 - 132*	*10/22/15 16:40*	*10/24/15 19:57*	*1*
2-Fluorobiphenyl	*73*		*48 - 120*	*10/22/15 16:40*	*10/24/15 19:57*	*1*
2-Fluorophenol (Surr)	*57*		*20 - 120*	*10/22/15 16:40*	*10/24/15 19:57*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*10/22/15 16:40*	*10/24/15 19:57*	*1*
Phenol-d5 (Surr)	*40*		*16 - 120*	*10/22/15 16:40*	*10/24/15 19:57*	*1*
p-Terphenyl-d14 (Surr)	*102*		*67 - 150*	*10/22/15 16:40*	*10/24/15 19:57*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 15:52	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 15:52	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 15:52	1
Barium	**0.18**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 15:52	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-10-102115
Date Collected: 10/21/15 11:30
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-7
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 15:52	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 15:52	1
Calcium	**267**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 15:52	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 15:52	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 15:52	1
Copper	**0.0048**	**J**	0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 15:52	1
Iron	**0.041**	**J**	0.050	0.019	mg/L		10/22/15 11:22	10/22/15 15:52	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 15:52	1
Magnesium	**0.25**		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 15:52	1
Manganese	**0.0033**		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 15:52	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 15:52	1
Potassium	**16.2**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 15:52	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 15:52	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 15:52	1
Sodium	**112**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 15:52	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 15:52	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 15:52	1
Zinc	ND		0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 15:52	1

Client Sample ID: CB-10-F-102115
Date Collected: 10/21/15 11:33
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/22/15 16:40	10/24/15 20:26	1
2,4,6-Trichlorophenol	ND		5.3	0.65	ug/L		10/22/15 16:40	10/24/15 20:26	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/22/15 16:40	10/24/15 20:26	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/22/15 16:40	10/24/15 20:26	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/22/15 16:40	10/24/15 20:26	1
2,4-Dinitrotoluene	ND		5.3	0.48	ug/L		10/22/15 16:40	10/24/15 20:26	1
2,6-Dinitrotoluene	ND		5.3	0.43	ug/L		10/22/15 16:40	10/24/15 20:26	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		10/22/15 16:40	10/24/15 20:26	1
2-Chlorophenol	ND		5.3	0.57	ug/L		10/22/15 16:40	10/24/15 20:26	1
2-Methylnaphthalene	ND		5.3	0.64	ug/L		10/22/15 16:40	10/24/15 20:26	1
2-Methylphenol	ND		5.3	0.43	ug/L		10/22/15 16:40	10/24/15 20:26	1
2-Nitroaniline	ND		11	0.45	ug/L		10/22/15 16:40	10/24/15 20:26	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/22/15 16:40	10/24/15 20:26	1
3,3'-Dichlorobenzidine	ND		5.3	0.43	ug/L		10/22/15 16:40	10/24/15 20:26	1
3-Nitroaniline	ND		11	0.51	ug/L		10/22/15 16:40	10/24/15 20:26	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		10/22/15 16:40	10/24/15 20:26	1
4-Bromophenyl phenyl ether	ND		5.3	0.48	ug/L		10/22/15 16:40	10/24/15 20:26	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		10/22/15 16:40	10/24/15 20:26	1
4-Chloroaniline	ND		5.3	0.63	ug/L		10/22/15 16:40	10/24/15 20:26	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/22/15 16:40	10/24/15 20:26	1
4-Methylphenol	ND		11	0.38	ug/L		10/22/15 16:40	10/24/15 20:26	1
4-Nitroaniline	ND		11	0.27	ug/L		10/22/15 16:40	10/24/15 20:26	1
4-Nitrophenol	ND		11	1.6	ug/L		10/22/15 16:40	10/24/15 20:26	1
Acenaphthene	ND		5.3	0.44	ug/L		10/22/15 16:40	10/24/15 20:26	1
Acenaphthylene	ND		5.3	0.41	ug/L		10/22/15 16:40	10/24/15 20:26	1
Acetophenone	ND		5.3	0.58	ug/L		10/22/15 16:40	10/24/15 20:26	1
Anthracene	ND		5.3	0.30	ug/L		10/22/15 16:40	10/24/15 20:26	1
Atrazine	ND		5.3	0.49	ug/L		10/22/15 16:40	10/24/15 20:26	1
Benzaldehyde	**0.40**	**J B**	5.3	0.29	ug/L		10/22/15 16:40	10/24/15 20:26	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/22/15 16:40	10/24/15 20:26	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/22/15 16:40	10/24/15 20:26	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/22/15 16:40	10/24/15 20:26	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/22/15 16:40	10/24/15 20:26	1
Benzo[k]fluoranthene	ND		5.3	0.78	ug/L		10/22/15 16:40	10/24/15 20:26	1
Biphenyl	ND		5.3	0.70	ug/L		10/22/15 16:40	10/24/15 20:26	1
bis (2-chloroisopropyl) ether	ND		5.3	0.56	ug/L		10/22/15 16:40	10/24/15 20:26	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/22/15 16:40	10/24/15 20:26	1
Bis(2-chloroethyl)ether	ND		5.3	0.43	ug/L		10/22/15 16:40	10/24/15 20:26	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/22/15 16:40	10/24/15 20:26	1
Butyl benzyl phthalate	ND		5.3	0.45	ug/L		10/22/15 16:40	10/24/15 20:26	1
Caprolactam	ND		5.3	2.3	ug/L		10/22/15 16:40	10/24/15 20:26	1
Carbazole	ND		5.3	0.32	ug/L		10/22/15 16:40	10/24/15 20:26	1
Chrysene	ND		5.3	0.35	ug/L		10/22/15 16:40	10/24/15 20:26	1
Dibenz(a,h)anthracene	ND		5.3	0.45	ug/L		10/22/15 16:40	10/24/15 20:26	1
Dibenzofuran	ND		11	0.54	ug/L		10/22/15 16:40	10/24/15 20:26	1
Diethyl phthalate	ND		5.3	0.23	ug/L		10/22/15 16:40	10/24/15 20:26	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		10/22/15 16:40	10/24/15 20:26	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		10/22/15 16:40	10/24/15 20:26	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		10/22/15 16:40	10/24/15 20:26	1

Client Sample ID: CB-10-F-102115

Date Collected: 10/21/15 11:33
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-8

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.43	ug/L		10/22/15 16:40	10/24/15 20:26	1
Fluorene	ND		5.3	0.38	ug/L		10/22/15 16:40	10/24/15 20:26	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/22/15 16:40	10/24/15 20:26	1
Hexachlorobutadiene	ND		5.3	0.73	ug/L		10/22/15 16:40	10/24/15 20:26	1
Hexachlorocyclopentadiene	ND		5.3	0.63	ug/L		10/22/15 16:40	10/24/15 20:26	1
Hexachloroethane	ND		5.3	0.63	ug/L		10/22/15 16:40	10/24/15 20:26	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/22/15 16:40	10/24/15 20:26	1
Isophorone	ND		5.3	0.46	ug/L		10/22/15 16:40	10/24/15 20:26	1
Naphthalene	ND		5.3	0.81	ug/L		10/22/15 16:40	10/24/15 20:26	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/22/15 16:40	10/24/15 20:26	1
N-Nitrosodi-n-propylamine	ND		5.3	0.58	ug/L		10/22/15 16:40	10/24/15 20:26	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/22/15 16:40	10/24/15 20:26	1
Pentachlorophenol	ND		11	2.3	ug/L		10/22/15 16:40	10/24/15 20:26	1
Phenanthrene	ND		5.3	0.47	ug/L		10/22/15 16:40	10/24/15 20:26	1
Phenol	ND		5.3	0.42	ug/L		10/22/15 16:40	10/24/15 20:26	1
Pyrene	ND		5.3	0.36	ug/L		10/22/15 16:40	10/24/15 20:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*120*	*T J*	*ug/L*		*3.43*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*4.90*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Decane	*2.6*	*T J N*	*ug/L*		*6.16*	*124-18-5*	*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*7.82*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*8.59*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
n-Hexadecanoic acid	*7.9*	*T J N*	*ug/L*		*10.47*	*57-10-3*	*10/22/15 16:40*	*10/24/15 20:26*	*1*
Diphenyl sulfone	*3.3*	*T J N*	*ug/L*		*10.49*	*127-63-9*	*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*10*	*T J*	*ug/L*		*11.06*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Octadecanoic acid	*7.3*	*T J N*	*ug/L*		*11.12*	*57-11-4*	*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*11.57*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*4.8*	*T J*	*ug/L*		*11.92*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*12.27*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*7.4*	*T J*	*ug/L*		*12.54*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*7.4*	*T J*	*ug/L*		*12.94*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*13.36*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*8.1*	*T J*	*ug/L*		*13.67*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*14.63*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*9.5*	*T J*	*ug/L*		*14.97*		*10/22/15 16:40*	*10/24/15 20:26*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*16.01*		*10/22/15 16:40*	*10/24/15 20:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*10/22/15 16:40*	*10/24/15 20:26*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*10/22/15 16:40*	*10/24/15 20:26*	*1*
2-Fluorophenol (Surr)	*66*		*20 - 120*	*10/22/15 16:40*	*10/24/15 20:26*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 120*	*10/22/15 16:40*	*10/24/15 20:26*	*1*
Phenol-d5 (Surr)	*39*		*16 - 120*	*10/22/15 16:40*	*10/24/15 20:26*	*1*
p-Terphenyl-d14 (Surr)	*102*		*67 - 150*	*10/22/15 16:40*	*10/24/15 20:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 15:56	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 15:56	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-10-F-102115
Date Collected: 10/21/15 11:33
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-8
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 15:56	1
Barium	**0.18**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 15:56	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 15:56	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 15:56	1
Calcium	**271**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 15:56	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 15:56	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 15:56	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 15:56	1
Iron	ND		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 15:56	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 15:56	1
Magnesium	**0.076**	**J**	0.20	0.043	mg/L		10/22/15 11:22	10/22/15 15:56	1
Manganese	ND		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 15:56	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 15:56	1
Potassium	**16.5**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 15:56	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 15:56	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 15:56	1
Sodium	**113**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 15:56	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 15:56	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 15:56	1
Zinc	ND		0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 15:56	1

Client Sample ID: CB-19-102115

Date Collected: 10/21/15 12:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-9

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/22/15 16:40	10/24/15 20:55	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		10/22/15 16:40	10/24/15 20:55	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/22/15 16:40	10/24/15 20:55	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/22/15 16:40	10/24/15 20:55	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/22/15 16:40	10/24/15 20:55	1
2,4-Dinitrotoluene	ND		5.1	0.45	ug/L		10/22/15 16:40	10/24/15 20:55	1
2,6-Dinitrotoluene	ND		5.1	0.40	ug/L		10/22/15 16:40	10/24/15 20:55	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/22/15 16:40	10/24/15 20:55	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/22/15 16:40	10/24/15 20:55	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/22/15 16:40	10/24/15 20:55	1
2-Methylphenol	ND		5.1	0.40	ug/L		10/22/15 16:40	10/24/15 20:55	1
2-Nitroaniline	ND		10	0.42	ug/L		10/22/15 16:40	10/24/15 20:55	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/22/15 16:40	10/24/15 20:55	1
3,3'-Dichlorobenzidine	ND		5.1	0.40	ug/L		10/22/15 16:40	10/24/15 20:55	1
3-Nitroaniline	ND		10	0.49	ug/L		10/22/15 16:40	10/24/15 20:55	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/22/15 16:40	10/24/15 20:55	1
4-Bromophenyl phenyl ether	ND		5.1	0.45	ug/L		10/22/15 16:40	10/24/15 20:55	1
4-Chloro-3-methylphenol	ND		5.1	0.45	ug/L		10/22/15 16:40	10/24/15 20:55	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/22/15 16:40	10/24/15 20:55	1
4-Chlorophenyl phenyl ether	ND		5.1	0.35	ug/L		10/22/15 16:40	10/24/15 20:55	1
4-Methylphenol	ND		10	0.36	ug/L		10/22/15 16:40	10/24/15 20:55	1
4-Nitroaniline	ND		10	0.25	ug/L		10/22/15 16:40	10/24/15 20:55	1
4-Nitrophenol	ND		10	1.5	ug/L		10/22/15 16:40	10/24/15 20:55	1
Acenaphthene	ND		5.1	0.41	ug/L		10/22/15 16:40	10/24/15 20:55	1
Acenaphthylene	ND		5.1	0.38	ug/L		10/22/15 16:40	10/24/15 20:55	1
Acetophenone	ND		5.1	0.55	ug/L		10/22/15 16:40	10/24/15 20:55	1
Anthracene	ND		5.1	0.28	ug/L		10/22/15 16:40	10/24/15 20:55	1
Atrazine	ND		5.1	0.47	ug/L		10/22/15 16:40	10/24/15 20:55	1
Benzaldehyde	**0.33**	**J B**	5.1	0.27	ug/L		10/22/15 16:40	10/24/15 20:55	1
Benzo[a]anthracene	ND		5.1	0.36	ug/L		10/22/15 16:40	10/24/15 20:55	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/22/15 16:40	10/24/15 20:55	1
Benzo[b]fluoranthene	ND		5.1	0.34	ug/L		10/22/15 16:40	10/24/15 20:55	1
Benzo[g,h,i]perylene	ND		5.1	0.35	ug/L		10/22/15 16:40	10/24/15 20:55	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		10/22/15 16:40	10/24/15 20:55	1
Biphenyl	ND		5.1	0.66	ug/L		10/22/15 16:40	10/24/15 20:55	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/22/15 16:40	10/24/15 20:55	1
Bis(2-chloroethoxy)methane	ND		5.1	0.35	ug/L		10/22/15 16:40	10/24/15 20:55	1
Bis(2-chloroethyl)ether	ND		5.1	0.40	ug/L		10/22/15 16:40	10/24/15 20:55	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/22/15 16:40	10/24/15 20:55	1
Butyl benzyl phthalate	ND		5.1	0.42	ug/L		10/22/15 16:40	10/24/15 20:55	1
Caprolactam	ND		5.1	2.2	ug/L		10/22/15 16:40	10/24/15 20:55	1
Carbazole	ND		5.1	0.30	ug/L		10/22/15 16:40	10/24/15 20:55	1
Chrysene	ND		5.1	0.33	ug/L		10/22/15 16:40	10/24/15 20:55	1
Dibenz(a,h)anthracene	ND		5.1	0.42	ug/L		10/22/15 16:40	10/24/15 20:55	1
Dibenzofuran	ND		10	0.52	ug/L		10/22/15 16:40	10/24/15 20:55	1
Diethyl phthalate	ND		5.1	0.22	ug/L		10/22/15 16:40	10/24/15 20:55	1
Dimethyl phthalate	ND		5.1	0.36	ug/L		10/22/15 16:40	10/24/15 20:55	1
Di-n-butyl phthalate	ND		5.1	0.31	ug/L		10/22/15 16:40	10/24/15 20:55	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/22/15 16:40	10/24/15 20:55	1

Client Sample ID: CB-19-102115

Date Collected: 10/21/15 12:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-9

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.40	ug/L		10/22/15 16:40	10/24/15 20:55	1
Fluorene	ND		5.1	0.36	ug/L		10/22/15 16:40	10/24/15 20:55	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/22/15 16:40	10/24/15 20:55	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		10/22/15 16:40	10/24/15 20:55	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/22/15 16:40	10/24/15 20:55	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/22/15 16:40	10/24/15 20:55	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/22/15 16:40	10/24/15 20:55	1
Isophorone	ND		5.1	0.43	ug/L		10/22/15 16:40	10/24/15 20:55	1
Naphthalene	ND		5.1	0.77	ug/L		10/22/15 16:40	10/24/15 20:55	1
Nitrobenzene	ND		5.1	0.29	ug/L		10/22/15 16:40	10/24/15 20:55	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/22/15 16:40	10/24/15 20:55	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/22/15 16:40	10/24/15 20:55	1
Pentachlorophenol	**2.2**	**J**	10	2.2	ug/L		10/22/15 16:40	10/24/15 20:55	1
Phenanthrene	**0.53**	**J**	5.1	0.44	ug/L		10/22/15 16:40	10/24/15 20:55	1
Phenol	ND		5.1	0.39	ug/L		10/22/15 16:40	10/24/15 20:55	1
Pyrene	ND		5.1	0.34	ug/L		10/22/15 16:40	10/24/15 20:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*94*	*T J*	*ug/L*		*3.43*		*10/22/15 16:40*	*10/24/15 20:55*	*1*
Unknown	*16*	*T J*	*ug/L*		*4.90*		*10/22/15 16:40*	*10/24/15 20:55*	*1*
n-Hexadecanoic acid	*4.6*	*T J N*	*ug/L*		*10.47*	*57-10-3*	*10/22/15 16:40*	*10/24/15 20:55*	*1*
Octadecanoic acid	*4.5*	*T J N*	*ug/L*		*11.12*	*57-11-4*	*10/22/15 16:40*	*10/24/15 20:55*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*11.57*		*10/22/15 16:40*	*10/24/15 20:55*	*1*
Unknown	*7.9*	*T J*	*ug/L*		*11.93*		*10/22/15 16:40*	*10/24/15 20:55*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*12.27*		*10/22/15 16:40*	*10/24/15 20:55*	*1*
Unknown	*7.1*	*T J*	*ug/L*		*12.53*		*10/22/15 16:40*	*10/24/15 20:55*	*1*
Unknown	*6.8*	*T J*	*ug/L*		*12.94*		*10/22/15 16:40*	*10/24/15 20:55*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*13.36*		*10/22/15 16:40*	*10/24/15 20:55*	*1*
Unknown	*7.8*	*T J*	*ug/L*		*13.67*		*10/22/15 16:40*	*10/24/15 20:55*	*1*
Unknown	*9.9*	*T J*	*ug/L*		*14.97*		*10/22/15 16:40*	*10/24/15 20:55*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*16.01*		*10/22/15 16:40*	*10/24/15 20:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*52 - 132*	*10/22/15 16:40*	*10/24/15 20:55*	*1*
2-Fluorobiphenyl	*73*		*48 - 120*	*10/22/15 16:40*	*10/24/15 20:55*	*1*
2-Fluorophenol (Surr)	*56*		*20 - 120*	*10/22/15 16:40*	*10/24/15 20:55*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 120*	*10/22/15 16:40*	*10/24/15 20:55*	*1*
Phenol-d5 (Surr)	*33*		*16 - 120*	*10/22/15 16:40*	*10/24/15 20:55*	*1*
p-Terphenyl-d14 (Surr)	*96*		*67 - 150*	*10/22/15 16:40*	*10/24/15 20:55*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:09	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:09	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:09	1
Barium	**0.18**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:09	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:09	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:09	1
Calcium	**264**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:09	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:09	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-19-102115
Date Collected: 10/21/15 12:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-9
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:09	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:09	1
Iron	**0.026**	**J**	0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:09	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:09	1
Magnesium	ND		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:09	1
Manganese	**0.00093**	**J**	0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:09	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:09	1
Potassium	**15.6**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:09	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:09	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:09	1
Sodium	**135**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:09	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:09	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:09	1
Zinc	ND		0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:09	1

Client Sample ID: CB-19-F 102115

Date Collected: 10/21/15 12:03
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-10

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/22/15 16:40	10/24/15 21:24	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		10/22/15 16:40	10/24/15 21:24	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/22/15 16:40	10/24/15 21:24	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/22/15 16:40	10/24/15 21:24	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/22/15 16:40	10/24/15 21:24	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/22/15 16:40	10/24/15 21:24	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/22/15 16:40	10/24/15 21:24	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/22/15 16:40	10/24/15 21:24	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/22/15 16:40	10/24/15 21:24	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/22/15 16:40	10/24/15 21:24	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/22/15 16:40	10/24/15 21:24	1
2-Nitroaniline	ND		10	0.43	ug/L		10/22/15 16:40	10/24/15 21:24	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/22/15 16:40	10/24/15 21:24	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/22/15 16:40	10/24/15 21:24	1
3-Nitroaniline	ND		10	0.49	ug/L		10/22/15 16:40	10/24/15 21:24	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/22/15 16:40	10/24/15 21:24	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/22/15 16:40	10/24/15 21:24	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/22/15 16:40	10/24/15 21:24	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/22/15 16:40	10/24/15 21:24	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/22/15 16:40	10/24/15 21:24	1
4-Methylphenol	ND		10	0.37	ug/L		10/22/15 16:40	10/24/15 21:24	1
4-Nitroaniline	ND		10	0.26	ug/L		10/22/15 16:40	10/24/15 21:24	1
4-Nitrophenol	ND		10	1.6	ug/L		10/22/15 16:40	10/24/15 21:24	1
Acenaphthene	ND		5.1	0.42	ug/L		10/22/15 16:40	10/24/15 21:24	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/22/15 16:40	10/24/15 21:24	1
Acetophenone	ND		5.1	0.55	ug/L		10/22/15 16:40	10/24/15 21:24	1
Anthracene	ND		5.1	0.29	ug/L		10/22/15 16:40	10/24/15 21:24	1
Atrazine	ND		5.1	0.47	ug/L		10/22/15 16:40	10/24/15 21:24	1
Benzaldehyde	**0.47**	**J B**	5.1	0.27	ug/L		10/22/15 16:40	10/24/15 21:24	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/22/15 16:40	10/24/15 21:24	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/22/15 16:40	10/24/15 21:24	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/22/15 16:40	10/24/15 21:24	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/22/15 16:40	10/24/15 21:24	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		10/22/15 16:40	10/24/15 21:24	1
Biphenyl	ND		5.1	0.67	ug/L		10/22/15 16:40	10/24/15 21:24	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/22/15 16:40	10/24/15 21:24	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/22/15 16:40	10/24/15 21:24	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/22/15 16:40	10/24/15 21:24	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/22/15 16:40	10/24/15 21:24	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		10/22/15 16:40	10/24/15 21:24	1
Caprolactam	ND		5.1	2.2	ug/L		10/22/15 16:40	10/24/15 21:24	1
Carbazole	ND		5.1	0.31	ug/L		10/22/15 16:40	10/24/15 21:24	1
Chrysene	ND		5.1	0.34	ug/L		10/22/15 16:40	10/24/15 21:24	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/22/15 16:40	10/24/15 21:24	1
Dibenzofuran	ND		10	0.52	ug/L		10/22/15 16:40	10/24/15 21:24	1
Diethyl phthalate	ND		5.1	0.22	ug/L		10/22/15 16:40	10/24/15 21:24	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/22/15 16:40	10/24/15 21:24	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/22/15 16:40	10/24/15 21:24	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/22/15 16:40	10/24/15 21:24	1

Client Sample ID: CB-19-F 102115

Date Collected: 10/21/15 12:03
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-10

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/22/15 16:40	10/24/15 21:24	1
Fluorene	ND		5.1	0.37	ug/L		10/22/15 16:40	10/24/15 21:24	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/22/15 16:40	10/24/15 21:24	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		10/22/15 16:40	10/24/15 21:24	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/22/15 16:40	10/24/15 21:24	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/22/15 16:40	10/24/15 21:24	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/22/15 16:40	10/24/15 21:24	1
Isophorone	ND		5.1	0.44	ug/L		10/22/15 16:40	10/24/15 21:24	1
Naphthalene	ND		5.1	0.78	ug/L		10/22/15 16:40	10/24/15 21:24	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/22/15 16:40	10/24/15 21:24	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/22/15 16:40	10/24/15 21:24	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/22/15 16:40	10/24/15 21:24	1
Pentachlorophenol	ND		10	2.2	ug/L		10/22/15 16:40	10/24/15 21:24	1
Phenanthrene	ND		5.1	0.45	ug/L		10/22/15 16:40	10/24/15 21:24	1
Phenol	ND		5.1	0.40	ug/L		10/22/15 16:40	10/24/15 21:24	1
Pyrene	ND		5.1	0.35	ug/L		10/22/15 16:40	10/24/15 21:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*110*	*T J*	*ug/L*		*3.43*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*4.90*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Cyclohexasiloxane, dodecamethyl-	*3.0*	*T J N*	*ug/L*		*7.82*	*540-97-6*	*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*4.4*	*T J*	*ug/L*		*10.16*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
n-Hexadecanoic acid	*6.8*	*T J N*	*ug/L*		*10.47*	*57-10-3*	*10/22/15 16:40*	*10/24/15 21:24*	*1*
Diphenyl sulfone	*4.2*	*T J N*	*ug/L*		*10.49*	*127-63-9*	*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*13*	*T J*	*ug/L*		*11.06*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Octadecanoic acid	*6.6*	*T J N*	*ug/L*		*11.12*	*57-11-4*	*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*11.57*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*10*	*T J*	*ug/L*		*11.92*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*12.27*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*9.0*	*T J*	*ug/L*		*12.54*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*8.9*	*T J*	*ug/L*		*12.94*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*13.36*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*13.64*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*7.9*	*T J*	*ug/L*		*13.67*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*14.63*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*12*	*T J*	*ug/L*		*14.97*		*10/22/15 16:40*	*10/24/15 21:24*	*1*
Unknown	*11*	*T J*	*ug/L*		*16.40*		*10/22/15 16:40*	*10/24/15 21:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*52 - 132*	*10/22/15 16:40*	*10/24/15 21:24*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*10/22/15 16:40*	*10/24/15 21:24*	*1*
2-Fluorophenol (Surr)	*64*		*20 - 120*	*10/22/15 16:40*	*10/24/15 21:24*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 120*	*10/22/15 16:40*	*10/24/15 21:24*	*1*
Phenol-d5 (Surr)	*41*		*16 - 120*	*10/22/15 16:40*	*10/24/15 21:24*	*1*
p-Terphenyl-d14 (Surr)	*100*		*67 - 150*	*10/22/15 16:40*	*10/24/15 21:24*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:12	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:12	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-19-F 102115
Date Collected: 10/21/15 12:03
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-10
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:12	1
Barium	**0.17**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:12	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:12	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:12	1
Calcium	**264**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:12	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:12	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:12	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:12	1
Iron	ND		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:12	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:12	1
Magnesium	ND		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:12	1
Manganese	ND		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:12	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:12	1
Potassium	**15.7**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:12	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:12	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:12	1
Sodium	**137**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:12	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:12	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:12	1
Zinc	ND		0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:12	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-25-102115
Date Collected: 10/21/15 12:40
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/22/15 16:40	10/24/15 21:53	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		10/22/15 16:40	10/24/15 21:53	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/22/15 16:40	10/24/15 21:53	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/22/15 16:40	10/24/15 21:53	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/22/15 16:40	10/24/15 21:53	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		10/22/15 16:40	10/24/15 21:53	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		10/22/15 16:40	10/24/15 21:53	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		10/22/15 16:40	10/24/15 21:53	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/22/15 16:40	10/24/15 21:53	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		10/22/15 16:40	10/24/15 21:53	1
2-Methylphenol	ND		5.2	0.42	ug/L		10/22/15 16:40	10/24/15 21:53	1
2-Nitroaniline	ND		10	0.44	ug/L		10/22/15 16:40	10/24/15 21:53	1
2-Nitrophenol	ND		5.2	0.50	ug/L		10/22/15 16:40	10/24/15 21:53	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		10/22/15 16:40	10/24/15 21:53	1
3-Nitroaniline	ND		10	0.50	ug/L		10/22/15 16:40	10/24/15 21:53	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/22/15 16:40	10/24/15 21:53	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		10/22/15 16:40	10/24/15 21:53	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		10/22/15 16:40	10/24/15 21:53	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/22/15 16:40	10/24/15 21:53	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		10/22/15 16:40	10/24/15 21:53	1
4-Methylphenol	ND		10	0.38	ug/L		10/22/15 16:40	10/24/15 21:53	1
4-Nitroaniline	ND		10	0.26	ug/L		10/22/15 16:40	10/24/15 21:53	1
4-Nitrophenol	ND		10	1.6	ug/L		10/22/15 16:40	10/24/15 21:53	1
Acenaphthene	ND		5.2	0.43	ug/L		10/22/15 16:40	10/24/15 21:53	1
Acenaphthylene	ND		5.2	0.40	ug/L		10/22/15 16:40	10/24/15 21:53	1
Acetophenone	ND		5.2	0.56	ug/L		10/22/15 16:40	10/24/15 21:53	1
Anthracene	ND		5.2	0.29	ug/L		10/22/15 16:40	10/24/15 21:53	1
Atrazine	ND		5.2	0.48	ug/L		10/22/15 16:40	10/24/15 21:53	1
Benzaldehyde	**0.37**	**J B**	5.2	0.28	ug/L		10/22/15 16:40	10/24/15 21:53	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		10/22/15 16:40	10/24/15 21:53	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		10/22/15 16:40	10/24/15 21:53	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/22/15 16:40	10/24/15 21:53	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		10/22/15 16:40	10/24/15 21:53	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		10/22/15 16:40	10/24/15 21:53	1
Biphenyl	ND		5.2	0.68	ug/L		10/22/15 16:40	10/24/15 21:53	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/22/15 16:40	10/24/15 21:53	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		10/22/15 16:40	10/24/15 21:53	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		10/22/15 16:40	10/24/15 21:53	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/22/15 16:40	10/24/15 21:53	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		10/22/15 16:40	10/24/15 21:53	1
Caprolactam	ND		5.2	2.3	ug/L		10/22/15 16:40	10/24/15 21:53	1
Carbazole	ND		5.2	0.31	ug/L		10/22/15 16:40	10/24/15 21:53	1
Chrysene	ND		5.2	0.34	ug/L		10/22/15 16:40	10/24/15 21:53	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		10/22/15 16:40	10/24/15 21:53	1
Dibenzofuran	ND		10	0.53	ug/L		10/22/15 16:40	10/24/15 21:53	1
Diethyl phthalate	ND		5.2	0.23	ug/L		10/22/15 16:40	10/24/15 21:53	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		10/22/15 16:40	10/24/15 21:53	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		10/22/15 16:40	10/24/15 21:53	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		10/22/15 16:40	10/24/15 21:53	1

Client Sample ID: CB-25-102115

Date Collected: 10/21/15 12:40
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-11

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		10/22/15 16:40	10/24/15 21:53	1
Fluorene	ND		5.2	0.38	ug/L		10/22/15 16:40	10/24/15 21:53	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/22/15 16:40	10/24/15 21:53	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		10/22/15 16:40	10/24/15 21:53	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/22/15 16:40	10/24/15 21:53	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/22/15 16:40	10/24/15 21:53	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		10/22/15 16:40	10/24/15 21:53	1
Isophorone	ND		5.2	0.45	ug/L		10/22/15 16:40	10/24/15 21:53	1
Naphthalene	ND		5.2	0.79	ug/L		10/22/15 16:40	10/24/15 21:53	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/22/15 16:40	10/24/15 21:53	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/22/15 16:40	10/24/15 21:53	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/22/15 16:40	10/24/15 21:53	1
Pentachlorophenol	ND		10	2.3	ug/L		10/22/15 16:40	10/24/15 21:53	1
Phenanthrene	ND		5.2	0.46	ug/L		10/22/15 16:40	10/24/15 21:53	1
Phenol	ND		5.2	0.41	ug/L		10/22/15 16:40	10/24/15 21:53	1
Pyrene	ND		5.2	0.35	ug/L		10/22/15 16:40	10/24/15 21:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*110*	*T J*	*ug/L*		*3.42*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.9*	*T J N*	*ug/L*		*7.82*	*540-97-6*	*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*8.59*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*13*	*T J*	*ug/L*		*11.06*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Octadecanoic acid	*7.2*	*T J N*	*ug/L*		*11.12*	*57-11-4*	*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*11.57*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*8.0*	*T J*	*ug/L*		*11.92*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*12.27*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*9.2*	*T J*	*ug/L*		*12.54*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*9.4*	*T J*	*ug/L*		*12.94*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*13.36*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*10*	*T J*	*ug/L*		*13.67*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*14.63*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*12*	*T J*	*ug/L*		*14.97*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*16.01*		*10/22/15 16:40*	*10/24/15 21:53*	*1*
Unknown	*11*	*T J*	*ug/L*		*16.40*		*10/22/15 16:40*	*10/24/15 21:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*52 - 132*	*10/22/15 16:40*	*10/24/15 21:53*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*10/22/15 16:40*	*10/24/15 21:53*	*1*
2-Fluorophenol (Surr)	*67*		*20 - 120*	*10/22/15 16:40*	*10/24/15 21:53*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 120*	*10/22/15 16:40*	*10/24/15 21:53*	*1*
Phenol-d5 (Surr)	*45*		*16 - 120*	*10/22/15 16:40*	*10/24/15 21:53*	*1*
p-Terphenyl-d14 (Surr)	*100*		*67 - 150*	*10/22/15 16:40*	*10/24/15 21:53*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:15	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:15	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:15	1
Barium	**0.17**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:15	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:15	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-25-102115
Date Collected: 10/21/15 12:40
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-11
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:15	1
Calcium	**241**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:15	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:15	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:15	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:15	1
Iron	**0.050**		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:15	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:15	1
Magnesium	**1.4**		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:15	1
Manganese	**0.075**		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:15	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:15	1
Potassium	**19.6**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:15	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:15	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:15	1
Sodium	**107**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:15	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:15	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:15	1
Zinc	ND		0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:15	1

Client Sample ID: CB-25-F -102115

Date Collected: 10/21/15 12:43
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-12

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.4	0.52	ug/L		10/22/15 16:40	10/24/15 22:22	1
2,4,6-Trichlorophenol	ND		5.4	0.66	ug/L		10/22/15 16:40	10/24/15 22:22	1
2,4-Dichlorophenol	ND		5.4	0.55	ug/L		10/22/15 16:40	10/24/15 22:22	1
2,4-Dimethylphenol	ND		5.4	0.54	ug/L		10/22/15 16:40	10/24/15 22:22	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/22/15 16:40	10/24/15 22:22	1
2,4-Dinitrotoluene	ND		5.4	0.48	ug/L		10/22/15 16:40	10/24/15 22:22	1
2,6-Dinitrotoluene	ND		5.4	0.43	ug/L		10/22/15 16:40	10/24/15 22:22	1
2-Chloronaphthalene	ND		5.4	0.49	ug/L		10/22/15 16:40	10/24/15 22:22	1
2-Chlorophenol	ND		5.4	0.57	ug/L		10/22/15 16:40	10/24/15 22:22	1
2-Methylnaphthalene	ND		5.4	0.64	ug/L		10/22/15 16:40	10/24/15 22:22	1
2-Methylphenol	ND		5.4	0.43	ug/L		10/22/15 16:40	10/24/15 22:22	1
2-Nitroaniline	ND		11	0.45	ug/L		10/22/15 16:40	10/24/15 22:22	1
2-Nitrophenol	ND		5.4	0.52	ug/L		10/22/15 16:40	10/24/15 22:22	1
3,3'-Dichlorobenzidine	ND		5.4	0.43	ug/L		10/22/15 16:40	10/24/15 22:22	1
3-Nitroaniline	ND		11	0.52	ug/L		10/22/15 16:40	10/24/15 22:22	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/22/15 16:40	10/24/15 22:22	1
4-Bromophenyl phenyl ether	ND		5.4	0.48	ug/L		10/22/15 16:40	10/24/15 22:22	1
4-Chloro-3-methylphenol	ND		5.4	0.48	ug/L		10/22/15 16:40	10/24/15 22:22	1
4-Chloroaniline	ND		5.4	0.63	ug/L		10/22/15 16:40	10/24/15 22:22	1
4-Chlorophenyl phenyl ether	ND		5.4	0.38	ug/L		10/22/15 16:40	10/24/15 22:22	1
4-Methylphenol	ND		11	0.39	ug/L		10/22/15 16:40	10/24/15 22:22	1
4-Nitroaniline	ND		11	0.27	ug/L		10/22/15 16:40	10/24/15 22:22	1
4-Nitrophenol	ND		11	1.6	ug/L		10/22/15 16:40	10/24/15 22:22	1
Acenaphthene	ND		5.4	0.44	ug/L		10/22/15 16:40	10/24/15 22:22	1
Acenaphthylene	ND		5.4	0.41	ug/L		10/22/15 16:40	10/24/15 22:22	1
Acetophenone	ND		5.4	0.58	ug/L		10/22/15 16:40	10/24/15 22:22	1
Anthracene	ND		5.4	0.30	ug/L		10/22/15 16:40	10/24/15 22:22	1
Atrazine	ND		5.4	0.49	ug/L		10/22/15 16:40	10/24/15 22:22	1
Benzaldehyde	**0.57**	**J B**	5.4	0.29	ug/L		10/22/15 16:40	10/24/15 22:22	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		10/22/15 16:40	10/24/15 22:22	1
Benzo[a]pyrene	ND		5.4	0.50	ug/L		10/22/15 16:40	10/24/15 22:22	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		10/22/15 16:40	10/24/15 22:22	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		10/22/15 16:40	10/24/15 22:22	1
Benzo[k]fluoranthene	ND		5.4	0.78	ug/L		10/22/15 16:40	10/24/15 22:22	1
Biphenyl	ND		5.4	0.70	ug/L		10/22/15 16:40	10/24/15 22:22	1
bis (2-chloroisopropyl) ether	ND		5.4	0.56	ug/L		10/22/15 16:40	10/24/15 22:22	1
Bis(2-chloroethoxy)methane	ND		5.4	0.38	ug/L		10/22/15 16:40	10/24/15 22:22	1
Bis(2-chloroethyl)ether	ND		5.4	0.43	ug/L		10/22/15 16:40	10/24/15 22:22	1
Bis(2-ethylhexyl) phthalate	ND		5.4	1.9	ug/L		10/22/15 16:40	10/24/15 22:22	1
Butyl benzyl phthalate	ND		5.4	0.45	ug/L		10/22/15 16:40	10/24/15 22:22	1
Caprolactam	ND		5.4	2.4	ug/L		10/22/15 16:40	10/24/15 22:22	1
Carbazole	ND		5.4	0.32	ug/L		10/22/15 16:40	10/24/15 22:22	1
Chrysene	ND		5.4	0.35	ug/L		10/22/15 16:40	10/24/15 22:22	1
Dibenz(a,h)anthracene	ND		5.4	0.45	ug/L		10/22/15 16:40	10/24/15 22:22	1
Dibenzofuran	ND		11	0.55	ug/L		10/22/15 16:40	10/24/15 22:22	1
Diethyl phthalate	ND		5.4	0.24	ug/L		10/22/15 16:40	10/24/15 22:22	1
Dimethyl phthalate	ND		5.4	0.39	ug/L		10/22/15 16:40	10/24/15 22:22	1
Di-n-butyl phthalate	ND		5.4	0.33	ug/L		10/22/15 16:40	10/24/15 22:22	1
Di-n-octyl phthalate	ND		5.4	0.50	ug/L		10/22/15 16:40	10/24/15 22:22	1

Client Sample ID: CB-25-F -102115

Date Collected: 10/21/15 12:43
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-12

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.4	0.43	ug/L		10/22/15 16:40	10/24/15 22:22	1
Fluorene	ND		5.4	0.39	ug/L		10/22/15 16:40	10/24/15 22:22	1
Hexachlorobenzene	ND		5.4	0.55	ug/L		10/22/15 16:40	10/24/15 22:22	1
Hexachlorobutadiene	ND		5.4	0.73	ug/L		10/22/15 16:40	10/24/15 22:22	1
Hexachlorocyclopentadiene	ND		5.4	0.63	ug/L		10/22/15 16:40	10/24/15 22:22	1
Hexachloroethane	ND		5.4	0.63	ug/L		10/22/15 16:40	10/24/15 22:22	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.50	ug/L		10/22/15 16:40	10/24/15 22:22	1
Isophorone	ND		5.4	0.46	ug/L		10/22/15 16:40	10/24/15 22:22	1
Naphthalene	ND		5.4	0.82	ug/L		10/22/15 16:40	10/24/15 22:22	1
Nitrobenzene	ND		5.4	0.31	ug/L		10/22/15 16:40	10/24/15 22:22	1
N-Nitrosodi-n-propylamine	ND		5.4	0.58	ug/L		10/22/15 16:40	10/24/15 22:22	1
N-Nitrosodiphenylamine	ND		5.4	0.55	ug/L		10/22/15 16:40	10/24/15 22:22	1
Pentachlorophenol	ND		11	2.4	ug/L		10/22/15 16:40	10/24/15 22:22	1
Phenanthrene	ND		5.4	0.47	ug/L		10/22/15 16:40	10/24/15 22:22	1
Phenol	ND		5.4	0.42	ug/L		10/22/15 16:40	10/24/15 22:22	1
Pyrene	ND		5.4	0.37	ug/L		10/22/15 16:40	10/24/15 22:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*130*	*T J*	*ug/L*		*3.43*		*10/22/15 16:40*	*10/24/15 22:22*	*1*
3,5-di-tert-Butyl-4-hydroxybenzaldehyde	*2.1*	*T J N*	*ug/L*		*9.85*	*1620-98-0*	*10/22/15 16:40*	*10/24/15 22:22*	*1*
n-Hexadecanoic acid	*8.4*	*T J N*	*ug/L*		*10.47*	*57-10-3*	*10/22/15 16:40*	*10/24/15 22:22*	*1*
Diphenyl sulfone	*19*	*T J N*	*ug/L*		*10.50*	*127-63-9*	*10/22/15 16:40*	*10/24/15 22:22*	*1*
Unknown	*11*	*T J*	*ug/L*		*11.06*		*10/22/15 16:40*	*10/24/15 22:22*	*1*
Octadecanoic acid	*5.6*	*T J N*	*ug/L*		*11.12*	*57-11-4*	*10/22/15 16:40*	*10/24/15 22:22*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*11.57*		*10/22/15 16:40*	*10/24/15 22:22*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*11.75*		*10/22/15 16:40*	*10/24/15 22:22*	*1*
Unknown	*6.6*	*T J*	*ug/L*		*11.92*		*10/22/15 16:40*	*10/24/15 22:22*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*12.27*		*10/22/15 16:40*	*10/24/15 22:22*	*1*
Unknown	*8.6*	*T J*	*ug/L*		*12.54*		*10/22/15 16:40*	*10/24/15 22:22*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*12.94*		*10/22/15 16:40*	*10/24/15 22:22*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*13.37*		*10/22/15 16:40*	*10/24/15 22:22*	*1*
Unknown	*9.5*	*T J*	*ug/L*		*13.67*		*10/22/15 16:40*	*10/24/15 22:22*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*14.63*		*10/22/15 16:40*	*10/24/15 22:22*	*1*
Unknown	*11*	*T J*	*ug/L*		*14.97*		*10/22/15 16:40*	*10/24/15 22:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*52 - 132*	*10/22/15 16:40*	*10/24/15 22:22*	*1*
2-Fluorobiphenyl	*76*		*48 - 120*	*10/22/15 16:40*	*10/24/15 22:22*	*1*
2-Fluorophenol (Surr)	*69*		*20 - 120*	*10/22/15 16:40*	*10/24/15 22:22*	*1*
Nitrobenzene-d5 (Surr)	*96*		*46 - 120*	*10/22/15 16:40*	*10/24/15 22:22*	*1*
Phenol-d5 (Surr)	*40*		*16 - 120*	*10/22/15 16:40*	*10/24/15 22:22*	*1*
p-Terphenyl-d14 (Surr)	*103*		*67 - 150*	*10/22/15 16:40*	*10/24/15 22:22*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:19	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:19	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:19	1
Barium	**0.17**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:19	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-25-F -102115
Date Collected: 10/21/15 12:43
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-12
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:19	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:19	1
Calcium	**239**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:19	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:19	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:19	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:19	1
Iron	ND		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:19	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:19	1
Magnesium	**0.57**		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:19	1
Manganese	**0.0012**	**J**	0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:19	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:19	1
Potassium	**19.9**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:19	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:19	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:19	1
Sodium	**107**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:19	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:19	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:19	1
Zinc	ND		0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:19	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-24-102115
Date Collected: 10/21/15 13:35
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-13
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.50	ug/L		10/22/15 16:40	10/24/15 22:51	1
2,4,6-Trichlorophenol	ND		5.3	0.64	ug/L		10/22/15 16:40	10/24/15 22:51	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/22/15 16:40	10/24/15 22:51	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/22/15 16:40	10/24/15 22:51	1
2,4-Dinitrophenol	ND		11	2.3	ug/L		10/22/15 16:40	10/24/15 22:51	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		10/22/15 16:40	10/24/15 22:51	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		10/22/15 16:40	10/24/15 22:51	1
2-Chloronaphthalene	ND		5.3	0.48	ug/L		10/22/15 16:40	10/24/15 22:51	1
2-Chlorophenol	ND		5.3	0.56	ug/L		10/22/15 16:40	10/24/15 22:51	1
2-Methylnaphthalene	ND		5.3	0.63	ug/L		10/22/15 16:40	10/24/15 22:51	1
2-Methylphenol	ND		5.3	0.42	ug/L		10/22/15 16:40	10/24/15 22:51	1
2-Nitroaniline	ND		11	0.44	ug/L		10/22/15 16:40	10/24/15 22:51	1
2-Nitrophenol	ND		5.3	0.50	ug/L		10/22/15 16:40	10/24/15 22:51	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		10/22/15 16:40	10/24/15 22:51	1
3-Nitroaniline	ND		11	0.50	ug/L		10/22/15 16:40	10/24/15 22:51	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		10/22/15 16:40	10/24/15 22:51	1
4-Bromophenyl phenyl ether	ND		5.3	0.47	ug/L		10/22/15 16:40	10/24/15 22:51	1
4-Chloro-3-methylphenol	ND		5.3	0.47	ug/L		10/22/15 16:40	10/24/15 22:51	1
4-Chloroaniline	ND		5.3	0.62	ug/L		10/22/15 16:40	10/24/15 22:51	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/22/15 16:40	10/24/15 22:51	1
4-Methylphenol	**0.69**	**J**	11	0.38	ug/L		10/22/15 16:40	10/24/15 22:51	1
4-Nitroaniline	ND		11	0.26	ug/L		10/22/15 16:40	10/24/15 22:51	1
4-Nitrophenol	ND		11	1.6	ug/L		10/22/15 16:40	10/24/15 22:51	1
Acenaphthene	ND		5.3	0.43	ug/L		10/22/15 16:40	10/24/15 22:51	1
Acenaphthylene	ND		5.3	0.40	ug/L		10/22/15 16:40	10/24/15 22:51	1
Acetophenone	ND		5.3	0.57	ug/L		10/22/15 16:40	10/24/15 22:51	1
Anthracene	ND		5.3	0.29	ug/L		10/22/15 16:40	10/24/15 22:51	1
Atrazine	ND		5.3	0.48	ug/L		10/22/15 16:40	10/24/15 22:51	1
Benzaldehyde	**0.36**	**J B**	5.3	0.28	ug/L		10/22/15 16:40	10/24/15 22:51	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/22/15 16:40	10/24/15 22:51	1
Benzo[a]pyrene	ND		5.3	0.49	ug/L		10/22/15 16:40	10/24/15 22:51	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/22/15 16:40	10/24/15 22:51	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/22/15 16:40	10/24/15 22:51	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		10/22/15 16:40	10/24/15 22:51	1
Biphenyl	ND		5.3	0.69	ug/L		10/22/15 16:40	10/24/15 22:51	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		10/22/15 16:40	10/24/15 22:51	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/22/15 16:40	10/24/15 22:51	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		10/22/15 16:40	10/24/15 22:51	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/22/15 16:40	10/24/15 22:51	1
Butyl benzyl phthalate	ND		5.3	0.44	ug/L		10/22/15 16:40	10/24/15 22:51	1
Caprolactam	ND		5.3	2.3	ug/L		10/22/15 16:40	10/24/15 22:51	1
Carbazole	ND		5.3	0.32	ug/L		10/22/15 16:40	10/24/15 22:51	1
Chrysene	ND		5.3	0.35	ug/L		10/22/15 16:40	10/24/15 22:51	1
Dibenz(a,h)anthracene	ND		5.3	0.44	ug/L		10/22/15 16:40	10/24/15 22:51	1
Dibenzofuran	ND		11	0.54	ug/L		10/22/15 16:40	10/24/15 22:51	1
Diethyl phthalate	ND		5.3	0.23	ug/L		10/22/15 16:40	10/24/15 22:51	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		10/22/15 16:40	10/24/15 22:51	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		10/22/15 16:40	10/24/15 22:51	1
Di-n-octyl phthalate	ND		5.3	0.49	ug/L		10/22/15 16:40	10/24/15 22:51	1

Client Sample ID: CB-24-102115

Date Collected: 10/21/15 13:35
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-13

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.42	ug/L		10/22/15 16:40	10/24/15 22:51	1
Fluorene	ND		5.3	0.38	ug/L		10/22/15 16:40	10/24/15 22:51	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/22/15 16:40	10/24/15 22:51	1
Hexachlorobutadiene	ND		5.3	0.71	ug/L		10/22/15 16:40	10/24/15 22:51	1
Hexachlorocyclopentadiene	ND		5.3	0.62	ug/L		10/22/15 16:40	10/24/15 22:51	1
Hexachloroethane	ND		5.3	0.62	ug/L		10/22/15 16:40	10/24/15 22:51	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.49	ug/L		10/22/15 16:40	10/24/15 22:51	1
Isophorone	ND		5.3	0.45	ug/L		10/22/15 16:40	10/24/15 22:51	1
Naphthalene	ND		5.3	0.80	ug/L		10/22/15 16:40	10/24/15 22:51	1
Nitrobenzene	ND		5.3	0.30	ug/L		10/22/15 16:40	10/24/15 22:51	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		10/22/15 16:40	10/24/15 22:51	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/22/15 16:40	10/24/15 22:51	1
Pentachlorophenol	**2.3**	**J**	11	2.3	ug/L		10/22/15 16:40	10/24/15 22:51	1
Phenanthrene	ND		5.3	0.46	ug/L		10/22/15 16:40	10/24/15 22:51	1
Phenol	ND		5.3	0.41	ug/L		10/22/15 16:40	10/24/15 22:51	1
Pyrene	ND		5.3	0.36	ug/L		10/22/15 16:40	10/24/15 22:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*110*	*T J*	*ug/L*		*3.42*		*10/22/15 16:40*	*10/24/15 22:51*	*1*
Octadecanoic acid	*5.5*	*T J N*	*ug/L*		*11.12*	*57-11-4*	*10/22/15 16:40*	*10/24/15 22:51*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*11.57*		*10/22/15 16:40*	*10/24/15 22:51*	*1*
Unknown	*5.4*	*T J*	*ug/L*		*12.54*		*10/22/15 16:40*	*10/24/15 22:51*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*13.67*		*10/22/15 16:40*	*10/24/15 22:51*	*1*
Unknown	*6.3*	*T J*	*ug/L*		*14.97*		*10/22/15 16:40*	*10/24/15 22:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*10/22/15 16:40*	*10/24/15 22:51*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/22/15 16:40*	*10/24/15 22:51*	*1*
2-Fluorophenol (Surr)	*66*		*20 - 120*	*10/22/15 16:40*	*10/24/15 22:51*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 120*	*10/22/15 16:40*	*10/24/15 22:51*	*1*
Phenol-d5 (Surr)	*45*		*16 - 120*	*10/22/15 16:40*	*10/24/15 22:51*	*1*
p-Terphenyl-d14 (Surr)	*102*		*67 - 150*	*10/22/15 16:40*	*10/24/15 22:51*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:22	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:22	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:22	1
Barium	**0.19**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:22	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:22	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:22	1
Calcium	**275**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:22	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:22	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:22	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:22	1
Iron	ND		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:22	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:22	1
Magnesium	ND		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:22	1
Manganese	ND		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:22	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:22	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-24-102115
Date Collected: 10/21/15 13:35
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-13
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**29.8**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:22	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:22	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:22	1
Sodium	**44.7**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:22	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:22	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:22	1
Zinc	ND		0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:22	1

Client Sample ID: CB-24-F-102115

Date Collected: 10/21/15 13:38
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-14

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/24/15 08:34	11/02/15 19:42	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/24/15 08:34	11/02/15 19:42	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/24/15 08:34	11/02/15 19:42	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/24/15 08:34	11/02/15 19:42	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/24/15 08:34	11/02/15 19:42	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/24/15 08:34	11/02/15 19:42	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 19:42	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/24/15 08:34	11/02/15 19:42	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/24/15 08:34	11/02/15 19:42	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/24/15 08:34	11/02/15 19:42	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 19:42	1
2-Nitroaniline	ND		10	0.42	ug/L		10/24/15 08:34	11/02/15 19:42	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/24/15 08:34	11/02/15 19:42	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 19:42	1
3-Nitroaniline	ND		10	0.48	ug/L		10/24/15 08:34	11/02/15 19:42	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/24/15 08:34	11/02/15 19:42	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/24/15 08:34	11/02/15 19:42	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/24/15 08:34	11/02/15 19:42	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/24/15 08:34	11/02/15 19:42	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/24/15 08:34	11/02/15 19:42	1
4-Methylphenol	**0.66**	**J**	10	0.36	ug/L		10/24/15 08:34	11/02/15 19:42	1
4-Nitroaniline	ND		10	0.25	ug/L		10/24/15 08:34	11/02/15 19:42	1
4-Nitrophenol	ND		10	1.5	ug/L		10/24/15 08:34	11/02/15 19:42	1
Acenaphthene	ND		5.0	0.41	ug/L		10/24/15 08:34	11/02/15 19:42	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/15 08:34	11/02/15 19:42	1
Acetophenone	ND		5.0	0.54	ug/L		10/24/15 08:34	11/02/15 19:42	1
Anthracene	ND		5.0	0.28	ug/L		10/24/15 08:34	11/02/15 19:42	1
Atrazine	ND		5.0	0.46	ug/L		10/24/15 08:34	11/02/15 19:42	1
Benzaldehyde	**1.1**	**J**	5.0	0.27	ug/L		10/24/15 08:34	11/02/15 19:42	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/15 08:34	11/02/15 19:42	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:34	11/02/15 19:42	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/15 08:34	11/02/15 19:42	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/15 08:34	11/02/15 19:42	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/15 08:34	11/02/15 19:42	1
Biphenyl	ND		5.0	0.66	ug/L		10/24/15 08:34	11/02/15 19:42	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/24/15 08:34	11/02/15 19:42	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/24/15 08:34	11/02/15 19:42	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 19:42	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/24/15 08:34	11/02/15 19:42	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		10/24/15 08:34	11/02/15 19:42	1
Caprolactam	ND		5.0	2.2	ug/L		10/24/15 08:34	11/02/15 19:42	1
Carbazole	ND		5.0	0.30	ug/L		10/24/15 08:34	11/02/15 19:42	1
Chrysene	ND		5.0	0.33	ug/L		10/24/15 08:34	11/02/15 19:42	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/15 08:34	11/02/15 19:42	1
Dibenzofuran	ND		10	0.51	ug/L		10/24/15 08:34	11/02/15 19:42	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/24/15 08:34	11/02/15 19:42	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/24/15 08:34	11/02/15 19:42	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/24/15 08:34	11/02/15 19:42	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/24/15 08:34	11/02/15 19:42	1

Client Sample ID: CB-24-F-102115

Date Collected: 10/21/15 13:38
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-14

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 19:42	1
Fluorene	ND		5.0	0.36	ug/L		10/24/15 08:34	11/02/15 19:42	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/24/15 08:34	11/02/15 19:42	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/24/15 08:34	11/02/15 19:42	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/24/15 08:34	11/02/15 19:42	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/24/15 08:34	11/02/15 19:42	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:34	11/02/15 19:42	1
Isophorone	ND		5.0	0.43	ug/L		10/24/15 08:34	11/02/15 19:42	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/15 08:34	11/02/15 19:42	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/24/15 08:34	11/02/15 19:42	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/24/15 08:34	11/02/15 19:42	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/24/15 08:34	11/02/15 19:42	1
Pentachlorophenol	ND		10	2.2	ug/L		10/24/15 08:34	11/02/15 19:42	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/15 08:34	11/02/15 19:42	1
Phenol	ND		5.0	0.39	ug/L		10/24/15 08:34	11/02/15 19:42	1
Pyrene	ND		5.0	0.34	ug/L		10/24/15 08:34	11/02/15 19:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.7*	*T J*	*ug/L*		*3.36*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Cyclohexane	*17*	*T J N*	*ug/L*		*3.60*	*110-82-7*	*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.77*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Decane	*4.1*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/24/15 08:34*	*11/02/15 19:42*	*1*
Cyclopentasiloxane, decamethyl-	*12*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/24/15 08:34*	*11/02/15 19:42*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*5.3*	*T J N*	*ug/L*		*9.39*	*96-76-4*	*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*6.6*	*T J*	*ug/L*		*10.78*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Diphenyl sulfone	*2.7*	*T J N*	*ug/L*		*11.19*	*127-63-9*	*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*29*	*T J*	*ug/L*		*11.76*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*9.7*	*T J*	*ug/L*		*12.39*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*12.74*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*21*	*T J*	*ug/L*		*12.83*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*6.4*	*T J*	*ug/L*		*13.29*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*24*	*T J*	*ug/L*		*13.63*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*9.5*	*T J*	*ug/L*		*14.09*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*5.4*	*T J*	*ug/L*		*14.68*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*8.2*	*T J*	*ug/L*		*15.01*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*19*	*T J*	*ug/L*		*15.05*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*8.3*	*T J*	*ug/L*		*16.21*		*10/24/15 08:34*	*11/02/15 19:42*	*1*
Unknown	*5.8*	*T J*	*ug/L*		*16.61*		*10/24/15 08:34*	*11/02/15 19:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*52 - 132*	*10/24/15 08:34*	*11/02/15 19:42*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*10/24/15 08:34*	*11/02/15 19:42*	*1*
2-Fluorophenol (Surr)	*50*		*20 - 120*	*10/24/15 08:34*	*11/02/15 19:42*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 120*	*10/24/15 08:34*	*11/02/15 19:42*	*1*
Phenol-d5 (Surr)	*34*		*16 - 120*	*10/24/15 08:34*	*11/02/15 19:42*	*1*
p-Terphenyl-d14 (Surr)	*90*		*67 - 150*	*10/24/15 08:34*	*11/02/15 19:42*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:25	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-24-F-102115
Date Collected: 10/21/15 13:38
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-14
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:25	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:25	1
Barium	**0.18**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:25	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:25	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:25	1
Calcium	**259**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:25	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:25	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:25	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:25	1
Iron	ND		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:25	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:25	1
Magnesium	ND		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:25	1
Manganese	ND		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:25	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:25	1
Potassium	**28.2**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:25	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:25	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:25	1
Sodium	**42.0**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:25	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:25	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:25	1
Zinc	ND		0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:25	1

Client Sample ID: CB-23-102115
Date Collected: 10/21/15 14:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-15
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/24/15 08:34	11/02/15 20:10	1
2,4,6-Trichlorophenol	ND		5.3	0.65	ug/L		10/24/15 08:34	11/02/15 20:10	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/24/15 08:34	11/02/15 20:10	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/24/15 08:34	11/02/15 20:10	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/24/15 08:34	11/02/15 20:10	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		10/24/15 08:34	11/02/15 20:10	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		10/24/15 08:34	11/02/15 20:10	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		10/24/15 08:34	11/02/15 20:10	1
2-Chlorophenol	ND		5.3	0.56	ug/L		10/24/15 08:34	11/02/15 20:10	1
2-Methylnaphthalene	ND		5.3	0.64	ug/L		10/24/15 08:34	11/02/15 20:10	1
2-Methylphenol	ND		5.3	0.42	ug/L		10/24/15 08:34	11/02/15 20:10	1
2-Nitroaniline	ND		11	0.44	ug/L		10/24/15 08:34	11/02/15 20:10	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/24/15 08:34	11/02/15 20:10	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		10/24/15 08:34	11/02/15 20:10	1
3-Nitroaniline	ND		11	0.51	ug/L		10/24/15 08:34	11/02/15 20:10	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		10/24/15 08:34	11/02/15 20:10	1
4-Bromophenyl phenyl ether	ND		5.3	0.48	ug/L		10/24/15 08:34	11/02/15 20:10	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		10/24/15 08:34	11/02/15 20:10	1
4-Chloroaniline	ND		5.3	0.62	ug/L		10/24/15 08:34	11/02/15 20:10	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/24/15 08:34	11/02/15 20:10	1
4-Methylphenol	**4.8**	**J**	11	0.38	ug/L		10/24/15 08:34	11/02/15 20:10	1
4-Nitroaniline	ND		11	0.26	ug/L		10/24/15 08:34	11/02/15 20:10	1
4-Nitrophenol	ND		11	1.6	ug/L		10/24/15 08:34	11/02/15 20:10	1
Acenaphthene	**0.61**	**J**	5.3	0.43	ug/L		10/24/15 08:34	11/02/15 20:10	1
Acenaphthylene	ND		5.3	0.40	ug/L		10/24/15 08:34	11/02/15 20:10	1
Acetophenone	ND		5.3	0.57	ug/L		10/24/15 08:34	11/02/15 20:10	1
Anthracene	ND		5.3	0.30	ug/L		10/24/15 08:34	11/02/15 20:10	1
Atrazine	ND		5.3	0.49	ug/L		10/24/15 08:34	11/02/15 20:10	1
Benzaldehyde	**1.2**	**J**	5.3	0.28	ug/L		10/24/15 08:34	11/02/15 20:10	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/24/15 08:34	11/02/15 20:10	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/24/15 08:34	11/02/15 20:10	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/24/15 08:34	11/02/15 20:10	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/24/15 08:34	11/02/15 20:10	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		10/24/15 08:34	11/02/15 20:10	1
Biphenyl	ND		5.3	0.69	ug/L		10/24/15 08:34	11/02/15 20:10	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		10/24/15 08:34	11/02/15 20:10	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/24/15 08:34	11/02/15 20:10	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		10/24/15 08:34	11/02/15 20:10	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/24/15 08:34	11/02/15 20:10	1
Butyl benzyl phthalate	**0.51**	**J B**	5.3	0.44	ug/L		10/24/15 08:34	11/02/15 20:10	1
Caprolactam	ND		5.3	2.3	ug/L		10/24/15 08:34	11/02/15 20:10	1
Carbazole	**0.50**	**J**	5.3	0.32	ug/L		10/24/15 08:34	11/02/15 20:10	1
Chrysene	ND		5.3	0.35	ug/L		10/24/15 08:34	11/02/15 20:10	1
Dibenz(a,h)anthracene	ND		5.3	0.44	ug/L		10/24/15 08:34	11/02/15 20:10	1
Dibenzofuran	ND		11	0.54	ug/L		10/24/15 08:34	11/02/15 20:10	1
Diethyl phthalate	ND		5.3	0.23	ug/L		10/24/15 08:34	11/02/15 20:10	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		10/24/15 08:34	11/02/15 20:10	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		10/24/15 08:34	11/02/15 20:10	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		10/24/15 08:34	11/02/15 20:10	1

Client Sample ID: CB-23-102115

Date Collected: 10/21/15 14:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-15

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.42	ug/L		10/24/15 08:34	11/02/15 20:10	1
Fluorene	ND		5.3	0.38	ug/L		10/24/15 08:34	11/02/15 20:10	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/24/15 08:34	11/02/15 20:10	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		10/24/15 08:34	11/02/15 20:10	1
Hexachlorocyclopentadiene	ND		5.3	0.62	ug/L		10/24/15 08:34	11/02/15 20:10	1
Hexachloroethane	ND		5.3	0.62	ug/L		10/24/15 08:34	11/02/15 20:10	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/24/15 08:34	11/02/15 20:10	1
Isophorone	ND		5.3	0.46	ug/L		10/24/15 08:34	11/02/15 20:10	1
Naphthalene	**2.3**	**J**	5.3	0.80	ug/L		10/24/15 08:34	11/02/15 20:10	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/24/15 08:34	11/02/15 20:10	1
N-Nitrosodi-n-propylamine	ND		5.3	0.57	ug/L		10/24/15 08:34	11/02/15 20:10	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/24/15 08:34	11/02/15 20:10	1
Pentachlorophenol	ND		11	2.3	ug/L		10/24/15 08:34	11/02/15 20:10	1
Phenanthrene	ND		5.3	0.47	ug/L		10/24/15 08:34	11/02/15 20:10	1
Phenol	**35**		5.3	0.41	ug/L		10/24/15 08:34	11/02/15 20:10	1
Pyrene	ND		5.3	0.36	ug/L		10/24/15 08:34	11/02/15 20:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2.4*	*T J*	*ug/L*		*3.37*		*10/24/15 08:34*	*11/02/15 20:10*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*3.58*		*10/24/15 08:34*	*11/02/15 20:10*	*1*
Cyclohexane	*20*	*T J N*	*ug/L*		*3.61*	*110-82-7*	*10/24/15 08:34*	*11/02/15 20:10*	*1*
Unknown	*140*	*T J*	*ug/L*		*3.77*		*10/24/15 08:34*	*11/02/15 20:10*	*1*
Butanoic acid, 3-methyl-	*15*	*T J N*	*ug/L*		*5.47*	*503-74-2*	*10/24/15 08:34*	*11/02/15 20:10*	*1*
Unknown	*12*	*T J*	*ug/L*		*5.54*		*10/24/15 08:34*	*11/02/15 20:10*	*1*
Decane	*3.9*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/24/15 08:34*	*11/02/15 20:10*	*1*
Cyclopentasiloxane, decamethyl-	*13*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/24/15 08:34*	*11/02/15 20:10*	*1*
Benzeneacetic acid	*19*	*T J N*	*ug/L*		*8.14*	*103-82-2*	*10/24/15 08:34*	*11/02/15 20:10*	*1*
Cyclohexasiloxane, dodecamethyl-	*3.3*	*T J N*	*ug/L*		*8.33*	*540-97-6*	*10/24/15 08:34*	*11/02/15 20:10*	*1*
Unknown	*6.2*	*T J*	*ug/L*		*10.77*		*10/24/15 08:34*	*11/02/15 20:10*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*11.30*		*10/24/15 08:34*	*11/02/15 20:10*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*11.34*		*10/24/15 08:34*	*11/02/15 20:10*	*1*
Unknown	*47*	*T J*	*ug/L*		*11.76*		*10/24/15 08:34*	*11/02/15 20:10*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*12.35*		*10/24/15 08:34*	*11/02/15 20:10*	*1*
Unknown	*21*	*T J*	*ug/L*		*12.39*		*10/24/15 08:34*	*11/02/15 20:10*	*1*
Erucylamide	*15*	*T J N*	*ug/L*		*14.83*	*112-84-5*	*10/24/15 08:34*	*11/02/15 20:10*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*15.02*		*10/24/15 08:34*	*11/02/15 20:10*	*1*
Unknown	*23*	*T J*	*ug/L*		*15.06*		*10/24/15 08:34*	*11/02/15 20:10*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*16.61*		*10/24/15 08:34*	*11/02/15 20:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*52 - 132*	*10/24/15 08:34*	*11/02/15 20:10*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*10/24/15 08:34*	*11/02/15 20:10*	*1*
2-Fluorophenol (Surr)	*50*		*20 - 120*	*10/24/15 08:34*	*11/02/15 20:10*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 120*	*10/24/15 08:34*	*11/02/15 20:10*	*1*
Phenol-d5 (Surr)	*35*		*16 - 120*	*10/24/15 08:34*	*11/02/15 20:10*	*1*
p-Terphenyl-d14 (Surr)	*77*		*67 - 150*	*10/24/15 08:34*	*11/02/15 20:10*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.46**		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:29	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-23-102115
Date Collected: 10/21/15 14:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-15
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:29	1
Arsenic	**0.021**		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:29	1
Barium	**0.031**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:29	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:29	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:29	1
Calcium	**27.4**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:29	1
Chromium	**0.0047**		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:29	1
Cobalt	**0.00084**	**J**	0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:29	1
Copper	**0.0063**	**J**	0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:29	1
Iron	**0.47**		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:29	1
Lead	**0.0089**	**J**	0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:29	1
Magnesium	**1.5**		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:29	1
Manganese	**0.012**		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:29	1
Nickel	**0.0096**	**J**	0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:29	1
Potassium	**381**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:29	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:29	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:29	1
Sodium	**282**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:29	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:29	1
Vanadium	**0.073**		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:29	1
Zinc	**0.012**		0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:29	1

Client Sample ID: CB-23-F-102115

Date Collected: 10/21/15 14:13
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-16

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/24/15 08:34	11/02/15 20:39	1
2,4,6-Trichlorophenol	ND		5.1	0.63	ug/L		10/24/15 08:34	11/02/15 20:39	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/24/15 08:34	11/02/15 20:39	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/24/15 08:34	11/02/15 20:39	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/24/15 08:34	11/02/15 20:39	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/24/15 08:34	11/02/15 20:39	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 20:39	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/24/15 08:34	11/02/15 20:39	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/24/15 08:34	11/02/15 20:39	1
2-Methylnaphthalene	ND		5.1	0.62	ug/L		10/24/15 08:34	11/02/15 20:39	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 20:39	1
2-Nitroaniline	ND		10	0.43	ug/L		10/24/15 08:34	11/02/15 20:39	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/24/15 08:34	11/02/15 20:39	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 20:39	1
3-Nitroaniline	ND		10	0.49	ug/L		10/24/15 08:34	11/02/15 20:39	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/24/15 08:34	11/02/15 20:39	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/24/15 08:34	11/02/15 20:39	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/24/15 08:34	11/02/15 20:39	1
4-Chloroaniline	ND		5.1	0.61	ug/L		10/24/15 08:34	11/02/15 20:39	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/24/15 08:34	11/02/15 20:39	1
4-Methylphenol	**5.0**	**J**	10	0.37	ug/L		10/24/15 08:34	11/02/15 20:39	1
4-Nitroaniline	ND		10	0.26	ug/L		10/24/15 08:34	11/02/15 20:39	1
4-Nitrophenol	ND		10	1.6	ug/L		10/24/15 08:34	11/02/15 20:39	1
Acenaphthene	ND		5.1	0.42	ug/L		10/24/15 08:34	11/02/15 20:39	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/24/15 08:34	11/02/15 20:39	1
Acetophenone	ND		5.1	0.55	ug/L		10/24/15 08:34	11/02/15 20:39	1
Anthracene	ND		5.1	0.29	ug/L		10/24/15 08:34	11/02/15 20:39	1
Atrazine	ND		5.1	0.47	ug/L		10/24/15 08:34	11/02/15 20:39	1
Benzaldehyde	**1.5**	**J**	5.1	0.27	ug/L		10/24/15 08:34	11/02/15 20:39	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/24/15 08:34	11/02/15 20:39	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/24/15 08:34	11/02/15 20:39	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/24/15 08:34	11/02/15 20:39	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/24/15 08:34	11/02/15 20:39	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/24/15 08:34	11/02/15 20:39	1
Biphenyl	ND		5.1	0.67	ug/L		10/24/15 08:34	11/02/15 20:39	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/24/15 08:34	11/02/15 20:39	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/24/15 08:34	11/02/15 20:39	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 20:39	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/24/15 08:34	11/02/15 20:39	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		10/24/15 08:34	11/02/15 20:39	1
Caprolactam	ND		5.1	2.3	ug/L		10/24/15 08:34	11/02/15 20:39	1
Carbazole	ND		5.1	0.31	ug/L		10/24/15 08:34	11/02/15 20:39	1
Chrysene	ND		5.1	0.34	ug/L		10/24/15 08:34	11/02/15 20:39	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/24/15 08:34	11/02/15 20:39	1
Dibenzofuran	ND		10	0.52	ug/L		10/24/15 08:34	11/02/15 20:39	1
Diethyl phthalate	ND		5.1	0.23	ug/L		10/24/15 08:34	11/02/15 20:39	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/24/15 08:34	11/02/15 20:39	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/24/15 08:34	11/02/15 20:39	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/24/15 08:34	11/02/15 20:39	1

Client Sample ID: CB-23-F-102115

Date Collected: 10/21/15 14:13
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-16

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/24/15 08:34	11/02/15 20:39	1
Fluorene	ND		5.1	0.37	ug/L		10/24/15 08:34	11/02/15 20:39	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/24/15 08:34	11/02/15 20:39	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/24/15 08:34	11/02/15 20:39	1
Hexachlorocyclopentadiene	ND		5.1	0.61	ug/L		10/24/15 08:34	11/02/15 20:39	1
Hexachloroethane	ND		5.1	0.61	ug/L		10/24/15 08:34	11/02/15 20:39	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/24/15 08:34	11/02/15 20:39	1
Isophorone	ND		5.1	0.44	ug/L		10/24/15 08:34	11/02/15 20:39	1
Naphthalene	ND		5.1	0.78	ug/L		10/24/15 08:34	11/02/15 20:39	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/24/15 08:34	11/02/15 20:39	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/24/15 08:34	11/02/15 20:39	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/24/15 08:34	11/02/15 20:39	1
Pentachlorophenol	ND		10	2.3	ug/L		10/24/15 08:34	11/02/15 20:39	1
Phenanthrene	ND		5.1	0.45	ug/L		10/24/15 08:34	11/02/15 20:39	1
Phenol	**34**		5.1	0.40	ug/L		10/24/15 08:34	11/02/15 20:39	1
Pyrene	ND		5.1	0.35	ug/L		10/24/15 08:34	11/02/15 20:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.7*	*T J*	*ug/L*		*3.36*		*10/24/15 08:34*	*11/02/15 20:39*	*1*
Cyclohexane	*22*	*T J N*	*ug/L*		*3.60*	*110-82-7*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.77*		*10/24/15 08:34*	*11/02/15 20:39*	*1*
Formamide, N,N-dimethyl-	*5.5*	*T J N*	*ug/L*		*4.88*	*68-12-2*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
Butanoic acid, 3-methyl-	*12*	*T J N*	*ug/L*		*5.47*	*503-74-2*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
Decane	*3.7*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
Cyclopentasiloxane, decamethyl-	*7.3*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
Benzeneacetic acid	*22*	*T J N*	*ug/L*		*8.14*	*103-82-2*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
Benzenepropanoic acid	*4.2*	*T J N*	*ug/L*		*8.58*	*501-52-0*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*8.9*	*T J N*	*ug/L*		*9.39*	*96-76-4*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
Unknown	*13*	*T J*	*ug/L*		*10.79*		*10/24/15 08:34*	*11/02/15 20:39*	*1*
Diphenyl sulfone	*9.9*	*T J N*	*ug/L*		*11.20*	*127-63-9*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
Unknown	*4.7*	*T J*	*ug/L*		*11.34*		*10/24/15 08:34*	*11/02/15 20:39*	*1*
Unknown	*35*	*T J*	*ug/L*		*11.76*		*10/24/15 08:34*	*11/02/15 20:39*	*1*
Octadecanoic acid	*7.1*	*T J N*	*ug/L*		*11.83*	*57-11-4*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*12.11*		*10/24/15 08:34*	*11/02/15 20:39*	*1*
Unknown	*17*	*T J*	*ug/L*		*12.39*		*10/24/15 08:34*	*11/02/15 20:39*	*1*
Unknown	*5.1*	*T J*	*ug/L*		*12.84*		*10/24/15 08:34*	*11/02/15 20:39*	*1*
Unknown	*4.9*	*T J*	*ug/L*		*15.02*		*10/24/15 08:34*	*11/02/15 20:39*	*1*
Unknown	*18*	*T J*	*ug/L*		*15.05*		*10/24/15 08:34*	*11/02/15 20:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*52 - 132*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
2-Fluorophenol (Surr)	*47*		*20 - 120*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 120*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
Phenol-d5 (Surr)	*34*		*16 - 120*	*10/24/15 08:34*	*11/02/15 20:39*	*1*
p-Terphenyl-d14 (Surr)	*76*		*67 - 150*	*10/24/15 08:34*	*11/02/15 20:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.29**		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:32	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-23-F-102115
Date Collected: 10/21/15 14:13
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-16
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:32	1
Arsenic	**0.018**		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:32	1
Barium	**0.028**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:32	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:32	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:32	1
Calcium	**23.9**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:32	1
Chromium	**0.0041**		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:32	1
Cobalt	**0.00065**	**J**	0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:32	1
Copper	**0.0038**	**J**	0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:32	1
Iron	**0.31**		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:32	1
Lead	**0.0057**	**J**	0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:32	1
Magnesium	**1.3**		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:32	1
Manganese	**0.0067**		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:32	1
Nickel	**0.0084**	**J**	0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:32	1
Potassium	**354**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:32	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:32	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:32	1
Sodium	**262**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:32	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:32	1
Vanadium	**0.065**		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:32	1
Zinc	**0.0085**	**J**	0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:32	1

Client Sample ID: CB-DUP-02-102115

Date Collected: 10/21/15 14:13
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-17

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		10/24/15 08:34	11/02/15 21:08	1
2,4,6-Trichlorophenol	ND		4.9	0.59	ug/L		10/24/15 08:34	11/02/15 21:08	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		10/24/15 08:34	11/02/15 21:08	1
2,4-Dimethylphenol	**0.68**	**J**	4.9	0.49	ug/L		10/24/15 08:34	11/02/15 21:08	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		10/24/15 08:34	11/02/15 21:08	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		10/24/15 08:34	11/02/15 21:08	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		10/24/15 08:34	11/02/15 21:08	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		10/24/15 08:34	11/02/15 21:08	1
2-Chlorophenol	ND		4.9	0.52	ug/L		10/24/15 08:34	11/02/15 21:08	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		10/24/15 08:34	11/02/15 21:08	1
2-Methylphenol	ND		4.9	0.39	ug/L		10/24/15 08:34	11/02/15 21:08	1
2-Nitroaniline	ND		9.8	0.41	ug/L		10/24/15 08:34	11/02/15 21:08	1
2-Nitrophenol	ND		4.9	0.47	ug/L		10/24/15 08:34	11/02/15 21:08	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		10/24/15 08:34	11/02/15 21:08	1
3-Nitroaniline	ND		9.8	0.47	ug/L		10/24/15 08:34	11/02/15 21:08	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.1	ug/L		10/24/15 08:34	11/02/15 21:08	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		10/24/15 08:34	11/02/15 21:08	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		10/24/15 08:34	11/02/15 21:08	1
4-Chloroaniline	ND		4.9	0.58	ug/L		10/24/15 08:34	11/02/15 21:08	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		10/24/15 08:34	11/02/15 21:08	1
4-Methylphenol	**6.3**	**J**	9.8	0.35	ug/L		10/24/15 08:34	11/02/15 21:08	1
4-Nitroaniline	ND		9.8	0.24	ug/L		10/24/15 08:34	11/02/15 21:08	1
4-Nitrophenol	ND		9.8	1.5	ug/L		10/24/15 08:34	11/02/15 21:08	1
Acenaphthene	ND		4.9	0.40	ug/L		10/24/15 08:34	11/02/15 21:08	1
Acenaphthylene	ND		4.9	0.37	ug/L		10/24/15 08:34	11/02/15 21:08	1
Acetophenone	ND		4.9	0.53	ug/L		10/24/15 08:34	11/02/15 21:08	1
Anthracene	ND		4.9	0.27	ug/L		10/24/15 08:34	11/02/15 21:08	1
Atrazine	ND		4.9	0.45	ug/L		10/24/15 08:34	11/02/15 21:08	1
Benzaldehyde	**1.2**	**J**	4.9	0.26	ug/L		10/24/15 08:34	11/02/15 21:08	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		10/24/15 08:34	11/02/15 21:08	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		10/24/15 08:34	11/02/15 21:08	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		10/24/15 08:34	11/02/15 21:08	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		10/24/15 08:34	11/02/15 21:08	1
Benzo[k]fluoranthene	ND		4.9	0.71	ug/L		10/24/15 08:34	11/02/15 21:08	1
Biphenyl	ND		4.9	0.64	ug/L		10/24/15 08:34	11/02/15 21:08	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		10/24/15 08:34	11/02/15 21:08	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		10/24/15 08:34	11/02/15 21:08	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		10/24/15 08:34	11/02/15 21:08	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		10/24/15 08:34	11/02/15 21:08	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		10/24/15 08:34	11/02/15 21:08	1
Caprolactam	ND		4.9	2.1	ug/L		10/24/15 08:34	11/02/15 21:08	1
Carbazole	ND		4.9	0.29	ug/L		10/24/15 08:34	11/02/15 21:08	1
Chrysene	ND		4.9	0.32	ug/L		10/24/15 08:34	11/02/15 21:08	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		10/24/15 08:34	11/02/15 21:08	1
Dibenzofuran	ND		9.8	0.50	ug/L		10/24/15 08:34	11/02/15 21:08	1
Diethyl phthalate	ND		4.9	0.21	ug/L		10/24/15 08:34	11/02/15 21:08	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		10/24/15 08:34	11/02/15 21:08	1
Di-n-butyl phthalate	ND		4.9	0.30	ug/L		10/24/15 08:34	11/02/15 21:08	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		10/24/15 08:34	11/02/15 21:08	1

Client Sample ID: CB-DUP-02-102115

Date Collected: 10/21/15 14:13
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-17

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		10/24/15 08:34	11/02/15 21:08	1
Fluorene	ND		4.9	0.35	ug/L		10/24/15 08:34	11/02/15 21:08	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		10/24/15 08:34	11/02/15 21:08	1
Hexachlorobutadiene	ND		4.9	0.66	ug/L		10/24/15 08:34	11/02/15 21:08	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		10/24/15 08:34	11/02/15 21:08	1
Hexachloroethane	ND		4.9	0.58	ug/L		10/24/15 08:34	11/02/15 21:08	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		10/24/15 08:34	11/02/15 21:08	1
Isophorone	ND		4.9	0.42	ug/L		10/24/15 08:34	11/02/15 21:08	1
Naphthalene	**2.1**	**J**	4.9	0.74	ug/L		10/24/15 08:34	11/02/15 21:08	1
Nitrobenzene	ND		4.9	0.28	ug/L		10/24/15 08:34	11/02/15 21:08	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		10/24/15 08:34	11/02/15 21:08	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		10/24/15 08:34	11/02/15 21:08	1
Pentachlorophenol	**2.2**	**J**	9.8	2.1	ug/L		10/24/15 08:34	11/02/15 21:08	1
Phenanthrene	ND		4.9	0.43	ug/L		10/24/15 08:34	11/02/15 21:08	1
Phenol	**36**		4.9	0.38	ug/L		10/24/15 08:34	11/02/15 21:08	1
Pyrene	ND		4.9	0.33	ug/L		10/24/15 08:34	11/02/15 21:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*23*	*T J N*	*ug/L*		*3.61*	*110-82-7*	*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.78*		*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*4.89*		*10/24/15 08:34*	*11/02/15 21:08*	*1*
Butanoic acid, 3-methyl-	*12*	*T J N*	*ug/L*		*5.47*	*503-74-2*	*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*6.29*		*10/24/15 08:34*	*11/02/15 21:08*	*1*
Decane	*3.7*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/24/15 08:34*	*11/02/15 21:08*	*1*
Cyclopentasiloxane, decamethyl-	*9.8*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/24/15 08:34*	*11/02/15 21:08*	*1*
Benzeneacetic acid	*24*	*T J N*	*ug/L*		*8.15*	*103-82-2*	*10/24/15 08:34*	*11/02/15 21:08*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*3.8*	*T J N*	*ug/L*		*9.39*	*96-76-4*	*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*7.0*	*T J*	*ug/L*		*11.34*		*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*57*	*T J*	*ug/L*		*11.76*		*10/24/15 08:34*	*11/02/15 21:08*	*1*
Octadecanoic acid	*6.8*	*T J N*	*ug/L*		*11.83*	*57-11-4*	*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*5.3*	*T J*	*ug/L*		*12.11*		*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*12.35*		*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*27*	*T J*	*ug/L*		*12.39*		*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*29*	*T J*	*ug/L*		*12.85*		*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*8.2*	*T J*	*ug/L*		*14.68*		*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*8.3*	*T J*	*ug/L*		*15.03*		*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*30*	*T J*	*ug/L*		*15.06*		*10/24/15 08:34*	*11/02/15 21:08*	*1*
Unknown	*7.6*	*T J*	*ug/L*		*16.61*		*10/24/15 08:34*	*11/02/15 21:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*52 - 132*	*10/24/15 08:34*	*11/02/15 21:08*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*10/24/15 08:34*	*11/02/15 21:08*	*1*
2-Fluorophenol (Surr)	*51*		*20 - 120*	*10/24/15 08:34*	*11/02/15 21:08*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 120*	*10/24/15 08:34*	*11/02/15 21:08*	*1*
Phenol-d5 (Surr)	*36*		*16 - 120*	*10/24/15 08:34*	*11/02/15 21:08*	*1*
p-Terphenyl-d14 (Surr)	*71*		*67 - 150*	*10/24/15 08:34*	*11/02/15 21:08*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.29**		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:35	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-DUP-02-102115
Date Collected: 10/21/15 14:13
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-17
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:35	1
Arsenic	**0.020**		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:35	1
Barium	**0.025**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:35	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:35	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:35	1
Calcium	**21.6**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:35	1
Chromium	**0.0031**	**J**	0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:35	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:35	1
Copper	**0.0036**	**J**	0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:35	1
Iron	**0.28**		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:35	1
Lead	**0.0063**	**J**	0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:35	1
Magnesium	**1.1**		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:35	1
Manganese	**0.0060**		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:35	1
Nickel	**0.0079**	**J**	0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:35	1
Potassium	**327**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:35	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:35	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:35	1
Sodium	**240**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:35	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:35	1
Vanadium	**0.061**		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:35	1
Zinc	**0.0073**	**J**	0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:35	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-08-102115
Date Collected: 10/21/15 14:35
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-18
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/24/15 08:34	11/02/15 21:37	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/24/15 08:34	11/02/15 21:37	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/24/15 08:34	11/02/15 21:37	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/24/15 08:34	11/02/15 21:37	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/24/15 08:34	11/02/15 21:37	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/24/15 08:34	11/02/15 21:37	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 21:37	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/24/15 08:34	11/02/15 21:37	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/24/15 08:34	11/02/15 21:37	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/24/15 08:34	11/02/15 21:37	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 21:37	1
2-Nitroaniline	ND		10	0.42	ug/L		10/24/15 08:34	11/02/15 21:37	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/24/15 08:34	11/02/15 21:37	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 21:37	1
3-Nitroaniline	ND		10	0.48	ug/L		10/24/15 08:34	11/02/15 21:37	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/24/15 08:34	11/02/15 21:37	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/24/15 08:34	11/02/15 21:37	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/24/15 08:34	11/02/15 21:37	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/24/15 08:34	11/02/15 21:37	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/24/15 08:34	11/02/15 21:37	1
4-Methylphenol	ND		10	0.36	ug/L		10/24/15 08:34	11/02/15 21:37	1
4-Nitroaniline	ND		10	0.25	ug/L		10/24/15 08:34	11/02/15 21:37	1
4-Nitrophenol	ND		10	1.5	ug/L		10/24/15 08:34	11/02/15 21:37	1
Acenaphthene	ND		5.0	0.41	ug/L		10/24/15 08:34	11/02/15 21:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/15 08:34	11/02/15 21:37	1
Acetophenone	ND		5.0	0.54	ug/L		10/24/15 08:34	11/02/15 21:37	1
Anthracene	ND		5.0	0.28	ug/L		10/24/15 08:34	11/02/15 21:37	1
Atrazine	ND		5.0	0.46	ug/L		10/24/15 08:34	11/02/15 21:37	1
Benzaldehyde	**0.94**	**J**	5.0	0.27	ug/L		10/24/15 08:34	11/02/15 21:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/15 08:34	11/02/15 21:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:34	11/02/15 21:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/15 08:34	11/02/15 21:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/15 08:34	11/02/15 21:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/15 08:34	11/02/15 21:37	1
Biphenyl	ND		5.0	0.65	ug/L		10/24/15 08:34	11/02/15 21:37	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/24/15 08:34	11/02/15 21:37	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/24/15 08:34	11/02/15 21:37	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 21:37	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/24/15 08:34	11/02/15 21:37	1
Butyl benzyl phthalate	**0.54**	**J B**	5.0	0.42	ug/L		10/24/15 08:34	11/02/15 21:37	1
Caprolactam	ND		5.0	2.2	ug/L		10/24/15 08:34	11/02/15 21:37	1
Carbazole	**0.32**	**J**	5.0	0.30	ug/L		10/24/15 08:34	11/02/15 21:37	1
Chrysene	ND		5.0	0.33	ug/L		10/24/15 08:34	11/02/15 21:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/15 08:34	11/02/15 21:37	1
Dibenzofuran	ND		10	0.51	ug/L		10/24/15 08:34	11/02/15 21:37	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/24/15 08:34	11/02/15 21:37	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/24/15 08:34	11/02/15 21:37	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/24/15 08:34	11/02/15 21:37	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/24/15 08:34	11/02/15 21:37	1

Client Sample ID: CB-08-102115

Date Collected: 10/21/15 14:35
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-18

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 21:37	1
Fluorene	ND		5.0	0.36	ug/L		10/24/15 08:34	11/02/15 21:37	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/24/15 08:34	11/02/15 21:37	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/24/15 08:34	11/02/15 21:37	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/24/15 08:34	11/02/15 21:37	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/24/15 08:34	11/02/15 21:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:34	11/02/15 21:37	1
Isophorone	ND		5.0	0.43	ug/L		10/24/15 08:34	11/02/15 21:37	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/15 08:34	11/02/15 21:37	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/24/15 08:34	11/02/15 21:37	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/24/15 08:34	11/02/15 21:37	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/24/15 08:34	11/02/15 21:37	1
Pentachlorophenol	ND		10	2.2	ug/L		10/24/15 08:34	11/02/15 21:37	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/15 08:34	11/02/15 21:37	1
Phenol	ND		5.0	0.39	ug/L		10/24/15 08:34	11/02/15 21:37	1
Pyrene	ND		5.0	0.34	ug/L		10/24/15 08:34	11/02/15 21:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2.3*	*T J*	*ug/L*		*3.12*		*10/24/15 08:34*	*11/02/15 21:37*	*1*
Cyclohexane	*20*	*T J N*	*ug/L*		*3.62*	*110-82-7*	*10/24/15 08:34*	*11/02/15 21:37*	*1*
Unknown	*110*	*T J*	*ug/L*		*3.78*		*10/24/15 08:34*	*11/02/15 21:37*	*1*
Decane	*3.8*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/24/15 08:34*	*11/02/15 21:37*	*1*
Cyclopentasiloxane, decamethyl-	*8.9*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/24/15 08:34*	*11/02/15 21:37*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.8*	*T J N*	*ug/L*		*8.33*	*540-97-6*	*10/24/15 08:34*	*11/02/15 21:37*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*11.34*		*10/24/15 08:34*	*11/02/15 21:37*	*1*
Unknown	*28*	*T J*	*ug/L*		*11.76*		*10/24/15 08:34*	*11/02/15 21:37*	*1*
Octadecanoic acid	*3.3*	*T J N*	*ug/L*		*11.83*	*57-11-4*	*10/24/15 08:34*	*11/02/15 21:37*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*12.35*		*10/24/15 08:34*	*11/02/15 21:37*	*1*
Unknown	*11*	*T J*	*ug/L*		*12.39*		*10/24/15 08:34*	*11/02/15 21:37*	*1*
Unknown	*4.1*	*T J*	*ug/L*		*14.82*		*10/24/15 08:34*	*11/02/15 21:37*	*1*
Unknown	*16*	*T J*	*ug/L*		*15.06*		*10/24/15 08:34*	*11/02/15 21:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*106*		*52 - 132*	*10/24/15 08:34*	*11/02/15 21:37*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*10/24/15 08:34*	*11/02/15 21:37*	*1*
2-Fluorophenol (Surr)	*48*		*20 - 120*	*10/24/15 08:34*	*11/02/15 21:37*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 120*	*10/24/15 08:34*	*11/02/15 21:37*	*1*
Phenol-d5 (Surr)	*33*		*16 - 120*	*10/24/15 08:34*	*11/02/15 21:37*	*1*
p-Terphenyl-d14 (Surr)	*77*		*67 - 150*	*10/24/15 08:34*	*11/02/15 21:37*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:48	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:48	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:48	1
Barium	**0.091**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:48	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:48	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:48	1
Calcium	**43.1**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:48	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:48	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-08-102115
Date Collected: 10/21/15 14:35
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-18
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:48	1
Copper	**0.0033**	**J**	0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:48	1
Iron	**0.10**		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:48	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:48	1
Magnesium	**43.8**		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:48	1
Manganese	**0.029**		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:48	1
Nickel	**0.0022**	**J**	0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:48	1
Potassium	**450**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:48	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:48	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:48	1
Sodium	**156**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:48	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:48	1
Vanadium	**0.0017**	**J**	0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:48	1
Zinc	**0.0015**	**J**	0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:48	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-08-F-102115
Date Collected: 10/21/15 14:38
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-19
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/24/15 08:34	11/02/15 22:06	1
2,4,6-Trichlorophenol	ND		5.3	0.64	ug/L		10/24/15 08:34	11/02/15 22:06	1
2,4-Dichlorophenol	ND		5.3	0.54	ug/L		10/24/15 08:34	11/02/15 22:06	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/24/15 08:34	11/02/15 22:06	1
2,4-Dinitrophenol	ND		11	2.3	ug/L		10/24/15 08:34	11/02/15 22:06	1
2,4-Dinitrotoluene	ND		5.3	0.47	ug/L		10/24/15 08:34	11/02/15 22:06	1
2,6-Dinitrotoluene	ND		5.3	0.42	ug/L		10/24/15 08:34	11/02/15 22:06	1
2-Chloronaphthalene	ND		5.3	0.48	ug/L		10/24/15 08:34	11/02/15 22:06	1
2-Chlorophenol	ND		5.3	0.56	ug/L		10/24/15 08:34	11/02/15 22:06	1
2-Methylnaphthalene	ND		5.3	0.63	ug/L		10/24/15 08:34	11/02/15 22:06	1
2-Methylphenol	**0.79**	**J**	5.3	0.42	ug/L		10/24/15 08:34	11/02/15 22:06	1
2-Nitroaniline	ND		11	0.44	ug/L		10/24/15 08:34	11/02/15 22:06	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/24/15 08:34	11/02/15 22:06	1
3,3'-Dichlorobenzidine	ND		5.3	0.42	ug/L		10/24/15 08:34	11/02/15 22:06	1
3-Nitroaniline	ND		11	0.51	ug/L		10/24/15 08:34	11/02/15 22:06	1
4,6-Dinitro-2-methylphenol	ND		11	2.3	ug/L		10/24/15 08:34	11/02/15 22:06	1
4-Bromophenyl phenyl ether	ND		5.3	0.47	ug/L		10/24/15 08:34	11/02/15 22:06	1
4-Chloro-3-methylphenol	ND		5.3	0.47	ug/L		10/24/15 08:34	11/02/15 22:06	1
4-Chloroaniline	ND		5.3	0.62	ug/L		10/24/15 08:34	11/02/15 22:06	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/24/15 08:34	11/02/15 22:06	1
4-Methylphenol	**1.7**	**J**	11	0.38	ug/L		10/24/15 08:34	11/02/15 22:06	1
4-Nitroaniline	ND		11	0.26	ug/L		10/24/15 08:34	11/02/15 22:06	1
4-Nitrophenol	ND		11	1.6	ug/L		10/24/15 08:34	11/02/15 22:06	1
Acenaphthene	ND		5.3	0.43	ug/L		10/24/15 08:34	11/02/15 22:06	1
Acenaphthylene	ND		5.3	0.40	ug/L		10/24/15 08:34	11/02/15 22:06	1
Acetophenone	ND		5.3	0.57	ug/L		10/24/15 08:34	11/02/15 22:06	1
Anthracene	ND		5.3	0.29	ug/L		10/24/15 08:34	11/02/15 22:06	1
Atrazine	ND		5.3	0.48	ug/L		10/24/15 08:34	11/02/15 22:06	1
Benzaldehyde	**1.1**	**J**	5.3	0.28	ug/L		10/24/15 08:34	11/02/15 22:06	1
Benzo[a]anthracene	ND		5.3	0.38	ug/L		10/24/15 08:34	11/02/15 22:06	1
Benzo[a]pyrene	ND		5.3	0.49	ug/L		10/24/15 08:34	11/02/15 22:06	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/24/15 08:34	11/02/15 22:06	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/24/15 08:34	11/02/15 22:06	1
Benzo[k]fluoranthene	ND		5.3	0.77	ug/L		10/24/15 08:34	11/02/15 22:06	1
Biphenyl	ND		5.3	0.69	ug/L		10/24/15 08:34	11/02/15 22:06	1
bis (2-chloroisopropyl) ether	ND		5.3	0.55	ug/L		10/24/15 08:34	11/02/15 22:06	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/24/15 08:34	11/02/15 22:06	1
Bis(2-chloroethyl)ether	ND		5.3	0.42	ug/L		10/24/15 08:34	11/02/15 22:06	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/24/15 08:34	11/02/15 22:06	1
Butyl benzyl phthalate	**0.65**	**J B**	5.3	0.44	ug/L		10/24/15 08:34	11/02/15 22:06	1
Caprolactam	ND		5.3	2.3	ug/L		10/24/15 08:34	11/02/15 22:06	1
Carbazole	ND		5.3	0.32	ug/L		10/24/15 08:34	11/02/15 22:06	1
Chrysene	ND		5.3	0.35	ug/L		10/24/15 08:34	11/02/15 22:06	1
Dibenz(a,h)anthracene	ND		5.3	0.44	ug/L		10/24/15 08:34	11/02/15 22:06	1
Dibenzofuran	ND		11	0.54	ug/L		10/24/15 08:34	11/02/15 22:06	1
Diethyl phthalate	ND		5.3	0.23	ug/L		10/24/15 08:34	11/02/15 22:06	1
Dimethyl phthalate	ND		5.3	0.38	ug/L		10/24/15 08:34	11/02/15 22:06	1
Di-n-butyl phthalate	ND		5.3	0.33	ug/L		10/24/15 08:34	11/02/15 22:06	1
Di-n-octyl phthalate	ND		5.3	0.49	ug/L		10/24/15 08:34	11/02/15 22:06	1

Client Sample ID: CB-08-F-102115

Date Collected: 10/21/15 14:38
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-19

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.42	ug/L		10/24/15 08:34	11/02/15 22:06	1
Fluorene	ND		5.3	0.38	ug/L		10/24/15 08:34	11/02/15 22:06	1
Hexachlorobenzene	ND		5.3	0.54	ug/L		10/24/15 08:34	11/02/15 22:06	1
Hexachlorobutadiene	ND		5.3	0.72	ug/L		10/24/15 08:34	11/02/15 22:06	1
Hexachlorocyclopentadiene	ND		5.3	0.62	ug/L		10/24/15 08:34	11/02/15 22:06	1
Hexachloroethane	ND		5.3	0.62	ug/L		10/24/15 08:34	11/02/15 22:06	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.49	ug/L		10/24/15 08:34	11/02/15 22:06	1
Isophorone	ND		5.3	0.45	ug/L		10/24/15 08:34	11/02/15 22:06	1
Naphthalene	ND		5.3	0.80	ug/L		10/24/15 08:34	11/02/15 22:06	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/24/15 08:34	11/02/15 22:06	1
N-Nitrosodi-n-propylamine	**6.3**		5.3	0.57	ug/L		10/24/15 08:34	11/02/15 22:06	1
N-Nitrosodiphenylamine	ND		5.3	0.54	ug/L		10/24/15 08:34	11/02/15 22:06	1
Pentachlorophenol	ND		11	2.3	ug/L		10/24/15 08:34	11/02/15 22:06	1
Phenanthrene	ND		5.3	0.46	ug/L		10/24/15 08:34	11/02/15 22:06	1
Phenol	**0.91**	**J**	5.3	0.41	ug/L		10/24/15 08:34	11/02/15 22:06	1
Pyrene	ND		5.3	0.36	ug/L		10/24/15 08:34	11/02/15 22:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.1*	*T J*	*ug/L*		*3.13*		*10/24/15 08:34*	*11/02/15 22:06*	*1*
Unknown	*5.7*	*T J*	*ug/L*		*3.38*		*10/24/15 08:34*	*11/02/15 22:06*	*1*
Cyclohexane	*22*	*T J N*	*ug/L*		*3.61*	*110-82-7*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.79*		*10/24/15 08:34*	*11/02/15 22:06*	*1*
Formamide, N,N-dimethyl-	*6.0*	*T J N*	*ug/L*		*4.88*	*68-12-2*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*5.48*		*10/24/15 08:34*	*11/02/15 22:06*	*1*
Decane	*4.5*	*T J N*	*ug/L*		*6.71*	*124-18-5*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
Cyclopentasiloxane, decamethyl-	*11*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
Cyclohexasiloxane, dodecamethyl-	*3.2*	*T J N*	*ug/L*		*8.33*	*540-97-6*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*8.4*	*T J N*	*ug/L*		*9.39*	*96-76-4*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
Unknown	*7.7*	*T J*	*ug/L*		*10.79*		*10/24/15 08:34*	*11/02/15 22:06*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*11.00*		*10/24/15 08:34*	*11/02/15 22:06*	*1*
Diphenyl sulfone	*9.3*	*T J N*	*ug/L*		*11.20*	*127-63-9*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*11.34*		*10/24/15 08:34*	*11/02/15 22:06*	*1*
Unknown	*26*	*T J*	*ug/L*		*11.76*		*10/24/15 08:34*	*11/02/15 22:06*	*1*
Octadecanoic acid	*6.4*	*T J N*	*ug/L*		*11.83*	*57-11-4*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
Unknown	*11*	*T J*	*ug/L*		*12.39*		*10/24/15 08:34*	*11/02/15 22:06*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*14.82*		*10/24/15 08:34*	*11/02/15 22:06*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*15.02*		*10/24/15 08:34*	*11/02/15 22:06*	*1*
Unknown	*12*	*T J*	*ug/L*		*15.06*		*10/24/15 08:34*	*11/02/15 22:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*112*		*52 - 132*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
2-Fluorophenol (Surr)	*54*		*20 - 120*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
Phenol-d5 (Surr)	*38*		*16 - 120*	*10/24/15 08:34*	*11/02/15 22:06*	*1*
p-Terphenyl-d14 (Surr)	*75*		*67 - 150*	*10/24/15 08:34*	*11/02/15 22:06*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:51	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-08-F-102115
Date Collected: 10/21/15 14:38
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-19
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:51	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:51	1
Barium	**0.088**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:51	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:51	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:51	1
Calcium	**41.5**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:51	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:51	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:51	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:51	1
Iron	**0.029**	**J**	0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:51	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:51	1
Magnesium	**42.4**		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:51	1
Manganese	**0.027**		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:51	1
Nickel	**0.0015**	**J**	0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:51	1
Potassium	**435**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:51	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:51	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:51	1
Sodium	**150**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:51	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:51	1
Vanadium	**0.0018**	**J**	0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:51	1
Zinc	ND		0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:51	1

Client Sample ID: FB-102115

Date Collected: 10/21/15 15:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-20

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		10/24/15 08:38	11/02/15 03:58	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		10/24/15 08:38	11/02/15 03:58	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 03:58	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		10/24/15 08:38	11/02/15 03:58	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		10/24/15 08:38	11/02/15 03:58	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 03:58	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 03:58	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		10/24/15 08:38	11/02/15 03:58	1
2-Chlorophenol	ND		4.9	0.52	ug/L		10/24/15 08:38	11/02/15 03:58	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		10/24/15 08:38	11/02/15 03:58	1
2-Methylphenol	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 03:58	1
2-Nitroaniline	ND		9.9	0.41	ug/L		10/24/15 08:38	11/02/15 03:58	1
2-Nitrophenol	ND		4.9	0.47	ug/L		10/24/15 08:38	11/02/15 03:58	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 03:58	1
3-Nitroaniline	ND		9.9	0.47	ug/L		10/24/15 08:38	11/02/15 03:58	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		10/24/15 08:38	11/02/15 03:58	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 03:58	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 03:58	1
4-Chloroaniline	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 03:58	1
4-Chlorophenyl phenyl ether	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 03:58	1
4-Methylphenol	ND		9.9	0.36	ug/L		10/24/15 08:38	11/02/15 03:58	1
4-Nitroaniline	ND		9.9	0.25	ug/L		10/24/15 08:38	11/02/15 03:58	1
4-Nitrophenol	ND		9.9	1.5	ug/L		10/24/15 08:38	11/02/15 03:58	1
Acenaphthene	ND		4.9	0.40	ug/L		10/24/15 08:38	11/02/15 03:58	1
Acenaphthylene	ND		4.9	0.37	ug/L		10/24/15 08:38	11/02/15 03:58	1
Acetophenone	ND		4.9	0.53	ug/L		10/24/15 08:38	11/02/15 03:58	1
Anthracene	ND		4.9	0.28	ug/L		10/24/15 08:38	11/02/15 03:58	1
Atrazine	ND		4.9	0.45	ug/L		10/24/15 08:38	11/02/15 03:58	1
Benzaldehyde	**0.63**	**J**	4.9	0.26	ug/L		10/24/15 08:38	11/02/15 03:58	1
Benzo[a]anthracene	ND		4.9	0.36	ug/L		10/24/15 08:38	11/02/15 03:58	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 03:58	1
Benzo[b]fluoranthene	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 03:58	1
Benzo[g,h,i]perylene	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 03:58	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		10/24/15 08:38	11/02/15 03:58	1
Biphenyl	ND		4.9	0.64	ug/L		10/24/15 08:38	11/02/15 03:58	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		10/24/15 08:38	11/02/15 03:58	1
Bis(2-chloroethoxy)methane	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 03:58	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 03:58	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		10/24/15 08:38	11/02/15 03:58	1
Butyl benzyl phthalate	**0.61**	**J B**	4.9	0.41	ug/L		10/24/15 08:38	11/02/15 03:58	1
Caprolactam	ND		4.9	2.2	ug/L		10/24/15 08:38	11/02/15 03:58	1
Carbazole	ND		4.9	0.30	ug/L		10/24/15 08:38	11/02/15 03:58	1
Chrysene	ND		4.9	0.33	ug/L		10/24/15 08:38	11/02/15 03:58	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		10/24/15 08:38	11/02/15 03:58	1
Dibenzofuran	ND		9.9	0.50	ug/L		10/24/15 08:38	11/02/15 03:58	1
Diethyl phthalate	ND		4.9	0.22	ug/L		10/24/15 08:38	11/02/15 03:58	1
Dimethyl phthalate	ND		4.9	0.36	ug/L		10/24/15 08:38	11/02/15 03:58	1
Di-n-butyl phthalate	ND		4.9	0.31	ug/L		10/24/15 08:38	11/02/15 03:58	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 03:58	1

Client Sample ID: FB-102115

Date Collected: 10/21/15 15:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-20

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 03:58	1
Fluorene	ND		4.9	0.36	ug/L		10/24/15 08:38	11/02/15 03:58	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 03:58	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		10/24/15 08:38	11/02/15 03:58	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 03:58	1
Hexachloroethane	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 03:58	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 03:58	1
Isophorone	ND		4.9	0.42	ug/L		10/24/15 08:38	11/02/15 03:58	1
Naphthalene	ND		4.9	0.75	ug/L		10/24/15 08:38	11/02/15 03:58	1
Nitrobenzene	ND		4.9	0.29	ug/L		10/24/15 08:38	11/02/15 03:58	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		10/24/15 08:38	11/02/15 03:58	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 03:58	1
Pentachlorophenol	ND		9.9	2.2	ug/L		10/24/15 08:38	11/02/15 03:58	1
Phenanthrene	ND		4.9	0.43	ug/L		10/24/15 08:38	11/02/15 03:58	1
Phenol	ND		4.9	0.38	ug/L		10/24/15 08:38	11/02/15 03:58	1
Pyrene	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 03:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane, methyl-	*20*	*T J N*	*ug/L*		*3.12*	*96-37-7*	*10/24/15 08:38*	*11/02/15 03:58*	*1*
Unknown	*9.1*	*T J*	*ug/L*		*3.27*		*10/24/15 08:38*	*11/02/15 03:58*	*1*
Cyclohexane	*47*	*T J N*	*ug/L*		*3.55*	*110-82-7*	*10/24/15 08:38*	*11/02/15 03:58*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.70*		*10/24/15 08:38*	*11/02/15 03:58*	*1*
Unknown	*7.7*	*T J*	*ug/L*		*5.44*		*10/24/15 08:38*	*11/02/15 03:58*	*1*
Decane	*3.3*	*T J N*	*ug/L*		*6.69*	*124-18-5*	*10/24/15 08:38*	*11/02/15 03:58*	*1*
Benzoic acid, methyl ester	*3.4*	*T J N*	*ug/L*		*7.34*	*93-58-3*	*10/24/15 08:38*	*11/02/15 03:58*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*10.77*		*10/24/15 08:38*	*11/02/15 03:58*	*1*
Unknown	*1.6*	*T J*	*ug/L*		*11.33*		*10/24/15 08:38*	*11/02/15 03:58*	*1*
Unknown	*12*	*T J*	*ug/L*		*11.74*		*10/24/15 08:38*	*11/02/15 03:58*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*12.35*		*10/24/15 08:38*	*11/02/15 03:58*	*1*
Unknown	*18*	*T J*	*ug/L*		*12.83*		*10/24/15 08:38*	*11/02/15 03:58*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*13.25*		*10/24/15 08:38*	*11/02/15 03:58*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*13.58*		*10/24/15 08:38*	*11/02/15 03:58*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*14.09*		*10/24/15 08:38*	*11/02/15 03:58*	*1*
Erucylamide	*1.7*	*T J N*	*ug/L*		*14.75*	*112-84-5*	*10/24/15 08:38*	*11/02/15 03:58*	*1*
Unknown	*14*	*T J*	*ug/L*		*14.99*		*10/24/15 08:38*	*11/02/15 03:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*52 - 132*	*10/24/15 08:38*	*11/02/15 03:58*	*1*
2-Fluorobiphenyl	*81*		*48 - 120*	*10/24/15 08:38*	*11/02/15 03:58*	*1*
2-Fluorophenol (Surr)	*52*		*20 - 120*	*10/24/15 08:38*	*11/02/15 03:58*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*10/24/15 08:38*	*11/02/15 03:58*	*1*
Phenol-d5 (Surr)	*37*		*16 - 120*	*10/24/15 08:38*	*11/02/15 03:58*	*1*
p-Terphenyl-d14 (Surr)	*97*		*67 - 150*	*10/24/15 08:38*	*11/02/15 03:58*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:55	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:55	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:55	1
Barium	ND		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:55	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: FB-102115
Date Collected: 10/21/15 15:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-20
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:55	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:55	1
Calcium	ND		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:55	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:55	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:55	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:55	1
Iron	ND		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:55	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:55	1
Magnesium	ND		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:55	1
Manganese	ND		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:55	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:55	1
Potassium	**0.56**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:55	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:55	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:55	1
Sodium	ND		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:55	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:55	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:55	1
Zinc	**0.0064**	**J**	0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:55	1

Client Sample ID: CB-29-102115

Lab Sample ID: 480-89590-1

Date Collected: 10/21/15 08:40

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270865	10/24/15 08:34	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272542	11/02/15 17:17	DMR	TAL BUF
Total/NA	Prep	3005A			270488	10/23/15 08:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	270877	10/24/15 00:37	AMH	TAL BUF

Client Sample ID: CB 29-F-102115

Lab Sample ID: 480-89590-2

Date Collected: 10/21/15 08:45

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270865	10/24/15 08:34	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272542	11/02/15 17:46	DMR	TAL BUF
Total/NA	Prep	3005A			270488	10/23/15 08:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	270877	10/24/15 00:52	AMH	TAL BUF

Client Sample ID: CB-14-102115

Lab Sample ID: 480-89590-3

Date Collected: 10/21/15 09:30

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270865	10/24/15 08:34	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272542	11/02/15 18:15	DMR	TAL BUF
Total/NA	Prep	3005A			270488	10/23/15 08:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	270877	10/24/15 00:55	AMH	TAL BUF

Client Sample ID: CB-14-F-102115

Lab Sample ID: 480-89590-4

Date Collected: 10/21/15 09:33

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270865	10/24/15 08:34	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272542	11/02/15 18:44	DMR	TAL BUF
Total/NA	Prep	3005A			270488	10/23/15 08:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	270877	10/24/15 01:08	AMH	TAL BUF

Client Sample ID: CB-11-102115

Lab Sample ID: 480-89590-5

Date Collected: 10/21/15 10:10

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270865	10/24/15 08:34	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272542	11/02/15 19:13	DMR	TAL BUF
Total/NA	Prep	3005A			270488	10/23/15 08:10	CMM	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-11-102115
Date Collected: 10/21/15 10:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	270877	10/24/15 01:11	AMH	TAL BUF

Client Sample ID: CB-11-F-102115
Date Collected: 10/21/15 10:13
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270503	10/22/15 16:40	CPH	TAL BUF
Total/NA	Analysis	8270D		1	271160	10/27/15 00:14	LMW	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 15:37	AMH	TAL BUF

Client Sample ID: CB-10-102115
Date Collected: 10/21/15 11:30
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270503	10/22/15 16:40	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270925	10/24/15 19:57	PJQ	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 15:52	AMH	TAL BUF

Client Sample ID: CB-10-F-102115
Date Collected: 10/21/15 11:33
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270503	10/22/15 16:40	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270925	10/24/15 20:26	PJQ	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 15:56	AMH	TAL BUF

Client Sample ID: CB-19-102115
Date Collected: 10/21/15 12:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270503	10/22/15 16:40	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270925	10/24/15 20:55	PJQ	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 16:09	AMH	TAL BUF

Client Sample ID: CB-19-F 102115

Lab Sample ID: 480-89590-10

Date Collected: 10/21/15 12:03

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270503	10/22/15 16:40	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270925	10/24/15 21:24	PJQ	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 16:12	AMH	TAL BUF

Client Sample ID: CB-25-102115

Lab Sample ID: 480-89590-11

Date Collected: 10/21/15 12:40

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270503	10/22/15 16:40	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270925	10/24/15 21:53	PJQ	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 16:15	AMH	TAL BUF

Client Sample ID: CB-25-F -102115

Lab Sample ID: 480-89590-12

Date Collected: 10/21/15 12:43

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270503	10/22/15 16:40	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270925	10/24/15 22:22	PJQ	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 16:19	AMH	TAL BUF

Client Sample ID: CB-24-102115

Lab Sample ID: 480-89590-13

Date Collected: 10/21/15 13:35

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270503	10/22/15 16:40	CPH	TAL BUF
Total/NA	Analysis	8270D		1	270925	10/24/15 22:51	PJQ	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 16:22	AMH	TAL BUF

Client Sample ID: CB-24-F-102115

Lab Sample ID: 480-89590-14

Date Collected: 10/21/15 13:38

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270865	10/24/15 08:34	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272542	11/02/15 19:42	DMR	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-24-F-102115
Lab Sample ID: 480-89590-14
Date Collected: 10/21/15 13:38
Matrix: Water
Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	270582	10/22/15 16:25	AMH	TAL BUF

Client Sample ID: CB-23-102115
Lab Sample ID: 480-89590-15
Date Collected: 10/21/15 14:10
Matrix: Water
Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270865	10/24/15 08:34	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272542	11/02/15 20:10	DMR	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 16:29	AMH	TAL BUF

Client Sample ID: CB-23-F-102115
Lab Sample ID: 480-89590-16
Date Collected: 10/21/15 14:13
Matrix: Water
Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270865	10/24/15 08:34	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272542	11/02/15 20:39	DMR	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 16:32	AMH	TAL BUF

Client Sample ID: CB-DUP-02-102115
Lab Sample ID: 480-89590-17
Date Collected: 10/21/15 14:13
Matrix: Water
Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270865	10/24/15 08:34	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272542	11/02/15 21:08	DMR	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 16:35	AMH	TAL BUF

Client Sample ID: CB-08-102115
Lab Sample ID: 480-89590-18
Date Collected: 10/21/15 14:35
Matrix: Water
Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270865	10/24/15 08:34	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272542	11/02/15 21:37	DMR	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 16:48	AMH	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Client Sample ID: CB-08-F-102115

Lab Sample ID: 480-89590-19

Date Collected: 10/21/15 14:38

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270865	10/24/15 08:34	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272542	11/02/15 22:06	DMR	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 16:51	AMH	TAL BUF

Client Sample ID: FB-102115

Lab Sample ID: 480-89590-20

Date Collected: 10/21/15 15:50

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270866	10/24/15 08:38	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272432	11/02/15 03:58	LMW	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 16:55	AMH	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89590-1	CB-29-102115	Water	10/21/15 08:40	10/21/15 17:00
480-89590-2	CB 29-F-102115	Water	10/21/15 08:45	10/21/15 17:00
480-89590-3	CB-14-102115	Water	10/21/15 09:30	10/21/15 17:00
480-89590-4	CB-14-F-102115	Water	10/21/15 09:33	10/21/15 17:00
480-89590-5	CB-11-102115	Water	10/21/15 10:10	10/21/15 17:00
480-89590-6	CB-11-F-102115	Water	10/21/15 10:13	10/21/15 17:00
480-89590-7	CB-10-102115	Water	10/21/15 11:30	10/21/15 17:00
480-89590-8	CB-10-F-102115	Water	10/21/15 11:33	10/21/15 17:00
480-89590-9	CB-19-102115	Water	10/21/15 12:00	10/21/15 17:00
480-89590-10	CB-19-F 102115	Water	10/21/15 12:03	10/21/15 17:00
480-89590-11	CB-25-102115	Water	10/21/15 12:40	10/21/15 17:00
480-89590-12	CB-25-F -102115	Water	10/21/15 12:43	10/21/15 17:00
480-89590-13	CB-24-102115	Water	10/21/15 13:35	10/21/15 17:00
480-89590-14	CB-24-F-102115	Water	10/21/15 13:38	10/21/15 17:00
480-89590-15	CB-23-102115	Water	10/21/15 14:10	10/21/15 17:00
480-89590-16	CB-23-F-102115	Water	10/21/15 14:13	10/21/15 17:00
480-89590-17	CB-DUP-02-102115	Water	10/21/15 14:13	10/21/15 17:00
480-89590-18	CB-08-102115	Water	10/21/15 14:35	10/21/15 17:00
480-89590-19	CB-08-F-102115	Water	10/21/15 14:38	10/21/15 17:00
480-89590-20	FB-102115	Water	10/21/15 15:50	10/21/15 17:00

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmeri

THE LEADER IN ENVIRONMENTAL

480-89590 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Picunas	10/21/15	292040
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 3**
11 British American Blvd.	518-782 4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo, Lakeside Commerce Park (NY)			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL ME. 6010C	Special Instructions/ Conditions of Receipt
CB-29-102115	10/21/15	840		Y			2		1				X	Y	
CB-29-F-102115	"	845		Y			2		1				Y	Y	
CB-14-102115	"	930		Y			2		1				Y	Y	
CB-14-F-102115	"	933		Y			2		1				Y	Y	
CB-11-102115	"	1010		Y			2		1				Y	Y	
CB-11-F-102115	"	1013		Y			2		1				Y	Y	
CB-MS-01-102115	"	1020		Y			2		1				Y	Y	
CB-MSD-01-102115	"	1020		Y			2		1				Y	Y	
CB-10-102115	"	1130		Y			2		1				Y	Y	
CB-10-F-102115	"	1133		Y			2		1				Y	Y	
CB-19-102115	"	1200		Y			2		1				Y	Y	
CB-19-F-102115	"	1203		Y			2		1				Y	Y	

Possible Hazard Identification

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	LIA ESTRADA	10/21/15	1622		10/21/15	16:22
2.		10/21/15	17:00		10/21/15	1700
3.						

Comments

#1 3.0, 3.2, 3.4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Address: Sapa	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 3
City / State / Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	SVOCs 8270D	TAL Met. 6010C
CB-25-102115	~~10/21/15~~	1240		X			2		1				X	X
CB-25-F-102115	10/21/15	1243		X			2		1				X	X
CB-24-102115	"	1335		X			2		1				X	X
CB-24-F-102115	"	1338		X			2		1				X	X
CB-23-102115	"	1410		X			2		1				X	X
CB-23-F-102115	"	1413		X			2		1				X	X
CB-DUP-02-102115	"	1413		X			2		1				X	X
CB-08-102115	"	1435		X			2		1				X	X
CB-08-F-102115	"	1438		X			2		1				X	X
FB-102115	"	1550		X			2		1				X	X
CB-05-102115	"	855		X			2		1				X	X
CB-05-F-102115	"	900		X			2		1				X	X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	LIA ESTRADA	10/21/15	1622		10/21/15	16:22
2.		10/21/15	17:00		10/21/15	1700
3.						

Comments

13.0, 3.2, 3.4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
	Same	10/21/15	292041
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 3
Same			
City / State / Zip Code	Site Contact	Lab Contact	
Same			
Project Name and Location (State)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL Metal 6010C	Special Instructions/ Conditions of Receipt
CB-06-102115	10/21/15	1000		X			2		1				X	X	
CB-06-F-102115	"	1005		X			2		1				X	X	
CB-20-102115	"	1050		X			2		1				X	X	
CB-20-F-102115	"	1100		X			2		1				X	X	
CB-21-102115	"	1250		X			2		1				X	X	
CB-MS-02-102115	"	1300		X			2		1				X	X	
CB-MSD-02-102115	"	1300		X			2		1				X	X	
CB-21-F-102115	"	1310		X			2		1				X	X	
CB-18-102115	"	1400		X			2		1				X	X	
CB-18-F-102115	"	1410		X			2		1				X	X	
CB-22-102115	"	1445		X			2		1				X	X	
CB-22-F-102115	"	1450		X			2		1				X	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: IA ESTRADA	10/21/15	1622	1. Received By:	10/21/15	16:22
2. Relinquished By:	10/21/15	17:00	2. Received By:	10/21/15	1700
3. Relinquished By:			3. Received By:		

Comments

#1 3.0, 3.2, 3.4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-89590-1

Login Number: 89590
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89590-2
Client Project/Site: Buffalo Lakeside #915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek



Authorized for release by:
11/4/2015 5:20:37 PM

Orlette Johnson, Senior Project Manager
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LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
11/4/2015 5:20:37 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-89590-2

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89590-2

Receipt
The samples were received on 10/21/2015 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 3.0º C, 3.2º C and 3.4º C.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-272432 was outside the method criteria for the following analytes: Benzaldehyde and 2,2-oxybis(1-chloropropane) . A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-272432 recovered above the upper control limit for Benzo[g,h,i]perylene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: CB-05-102115 (480-89590-21), CB-05-F-102115 (480-89590-22), CB-06-102115 (480-89590-23), CB-06-F-102115 (480-89590-24), CB-20-102115 (480-89590-25), CB-20-F-102115 (480-89590-26), CB-21-F-102115 (480-89590-28) and CB-18-F-102115 (480-89590-30).

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-272542 was outside the method criteria for the following analytes: 2,4-Dinitrophenol, 4-Chloroaniline, Benzaldehyde, Diethyl phthalate and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-272605 was outside the method criteria for the following analytes: bis (2-chloroisopropyl) ether and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-272605 recovered above the upper control limit for Benzo[g,h,i]perylene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: CB-18-102115 (480-89590-29), CB-22-102115 (480-89590-31) and CB-22-F-102115 (480-89590-32).

Method(s) 8270D: The initial calibration curve analyzed in analytical batch 271208 was outside method criteria for the analyte Benzaldehyde. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: CB-18-102115 (480-89590-29). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The low level continuing calibration verification (CCVL 480-270585/16) for analytical batch 480-270585 contained Total Zinc above the upper quality control limit. All reported samples associated with this CCVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of sample (MB 480-270362/1-A) was not performed.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-270585/44) for analytical batch 480-270585 contained Total Zinc above the upper quality control limit. All reported samples associated with this CCVL were either below the laboratory's standard reporting limit for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples CB-21-F-102115 (480-89590-28), CB-18-102115 (480-89590-29), CB-18-F-102115 (480-89590-30) and CB-22-102115 (480-89590-31) was not performed.

Job ID: 480-89590-2 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample ID: CB-05-102115

Date Collected: 10/21/15 08:55
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-21

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		10/24/15 08:38	11/02/15 04:27	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		10/24/15 08:38	11/02/15 04:27	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 04:27	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		10/24/15 08:38	11/02/15 04:27	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		10/24/15 08:38	11/02/15 04:27	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 04:27	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 04:27	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		10/24/15 08:38	11/02/15 04:27	1
2-Chlorophenol	ND		4.9	0.52	ug/L		10/24/15 08:38	11/02/15 04:27	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		10/24/15 08:38	11/02/15 04:27	1
2-Methylphenol	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 04:27	1
2-Nitroaniline	ND		9.8	0.41	ug/L		10/24/15 08:38	11/02/15 04:27	1
2-Nitrophenol	ND		4.9	0.47	ug/L		10/24/15 08:38	11/02/15 04:27	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 04:27	1
3-Nitroaniline	ND		9.8	0.47	ug/L		10/24/15 08:38	11/02/15 04:27	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.2	ug/L		10/24/15 08:38	11/02/15 04:27	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 04:27	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 04:27	1
4-Chloroaniline	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 04:27	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 04:27	1
4-Methylphenol	ND		9.8	0.35	ug/L		10/24/15 08:38	11/02/15 04:27	1
4-Nitroaniline	ND		9.8	0.25	ug/L		10/24/15 08:38	11/02/15 04:27	1
4-Nitrophenol	ND		9.8	1.5	ug/L		10/24/15 08:38	11/02/15 04:27	1
Acenaphthene	ND		4.9	0.40	ug/L		10/24/15 08:38	11/02/15 04:27	1
Acenaphthylene	ND		4.9	0.37	ug/L		10/24/15 08:38	11/02/15 04:27	1
Acetophenone	ND		4.9	0.53	ug/L		10/24/15 08:38	11/02/15 04:27	1
Anthracene	ND		4.9	0.28	ug/L		10/24/15 08:38	11/02/15 04:27	1
Atrazine	ND		4.9	0.45	ug/L		10/24/15 08:38	11/02/15 04:27	1
Benzaldehyde	ND		4.9	0.26	ug/L		10/24/15 08:38	11/02/15 04:27	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 04:27	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 04:27	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		10/24/15 08:38	11/02/15 04:27	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 04:27	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		10/24/15 08:38	11/02/15 04:27	1
Biphenyl	ND		4.9	0.64	ug/L		10/24/15 08:38	11/02/15 04:27	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		10/24/15 08:38	11/02/15 04:27	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 04:27	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 04:27	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		10/24/15 08:38	11/02/15 04:27	1
Butyl benzyl phthalate	**0.62**	**J B**	4.9	0.41	ug/L		10/24/15 08:38	11/02/15 04:27	1
Caprolactam	ND		4.9	2.2	ug/L		10/24/15 08:38	11/02/15 04:27	1
Carbazole	ND		4.9	0.30	ug/L		10/24/15 08:38	11/02/15 04:27	1
Chrysene	ND		4.9	0.32	ug/L		10/24/15 08:38	11/02/15 04:27	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		10/24/15 08:38	11/02/15 04:27	1
Dibenzofuran	ND		9.8	0.50	ug/L		10/24/15 08:38	11/02/15 04:27	1
Diethyl phthalate	ND		4.9	0.22	ug/L		10/24/15 08:38	11/02/15 04:27	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 04:27	1
Di-n-butyl phthalate	ND		4.9	0.31	ug/L		10/24/15 08:38	11/02/15 04:27	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 04:27	1

Client Sample ID: CB-05-102115

Date Collected: 10/21/15 08:55
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-21

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 04:27	1
Fluorene	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 04:27	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 04:27	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		10/24/15 08:38	11/02/15 04:27	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 04:27	1
Hexachloroethane	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 04:27	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 04:27	1
Isophorone	ND		4.9	0.42	ug/L		10/24/15 08:38	11/02/15 04:27	1
Naphthalene	ND		4.9	0.75	ug/L		10/24/15 08:38	11/02/15 04:27	1
Nitrobenzene	ND		4.9	0.29	ug/L		10/24/15 08:38	11/02/15 04:27	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		10/24/15 08:38	11/02/15 04:27	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 04:27	1
Pentachlorophenol	ND		9.8	2.2	ug/L		10/24/15 08:38	11/02/15 04:27	1
Phenanthrene	ND		4.9	0.43	ug/L		10/24/15 08:38	11/02/15 04:27	1
Phenol	ND		4.9	0.38	ug/L		10/24/15 08:38	11/02/15 04:27	1
Pyrene	ND		4.9	0.33	ug/L		10/24/15 08:38	11/02/15 04:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*38*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/24/15 08:38*	*11/02/15 04:27*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.71*		*10/24/15 08:38*	*11/02/15 04:27*	*1*
Unknown	*17*	*T J*	*ug/L*		*5.44*		*10/24/15 08:38*	*11/02/15 04:27*	*1*
Decane	*3.6*	*T J N*	*ug/L*		*6.69*	*124-18-5*	*10/24/15 08:38*	*11/02/15 04:27*	*1*
Cyclohexasiloxane, dodecamethyl-	*1.6*	*T J N*	*ug/L*		*8.32*	*540-97-6*	*10/24/15 08:38*	*11/02/15 04:27*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*11.74*		*10/24/15 08:38*	*11/02/15 04:27*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*12.36*		*10/24/15 08:38*	*11/02/15 04:27*	*1*
Unknown	*12*	*T J*	*ug/L*		*12.83*		*10/24/15 08:38*	*11/02/15 04:27*	*1*
Unknown	*15*	*T J*	*ug/L*		*14.99*		*10/24/15 08:38*	*11/02/15 04:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*52 - 132*	*10/24/15 08:38*	*11/02/15 04:27*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*10/24/15 08:38*	*11/02/15 04:27*	*1*
2-Fluorophenol (Surr)	*56*		*20 - 120*	*10/24/15 08:38*	*11/02/15 04:27*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 120*	*10/24/15 08:38*	*11/02/15 04:27*	*1*
Phenol-d5 (Surr)	*41*		*16 - 120*	*10/24/15 08:38*	*11/02/15 04:27*	*1*
p-Terphenyl-d14 (Surr)	*103*		*67 - 150*	*10/24/15 08:38*	*11/02/15 04:27*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.25**		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 16:58	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 16:58	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 16:58	1
Barium	**0.025**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 16:58	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 16:58	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 16:58	1
Calcium	**40.3**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:58	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 16:58	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 16:58	1
Copper	**0.0024**	**J**	0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 16:58	1
Iron	**0.36**		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 16:58	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 16:58	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-05-102115
Date Collected: 10/21/15 08:55
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-21
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**1.4**		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 16:58	1
Manganese	**0.058**		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 16:58	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 16:58	1
Potassium	**4.5**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 16:58	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 16:58	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 16:58	1
Sodium	**2.7**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 16:58	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 16:58	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 16:58	1
Zinc	**0.0036**	**J**	0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 16:58	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-05-F-102115
Date Collected: 10/21/15 09:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-22
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		10/24/15 08:38	11/02/15 04:56	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		10/24/15 08:38	11/02/15 04:56	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 04:56	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		10/24/15 08:38	11/02/15 04:56	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		10/24/15 08:38	11/02/15 04:56	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 04:56	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 04:56	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		10/24/15 08:38	11/02/15 04:56	1
2-Chlorophenol	ND		4.9	0.52	ug/L		10/24/15 08:38	11/02/15 04:56	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		10/24/15 08:38	11/02/15 04:56	1
2-Methylphenol	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 04:56	1
2-Nitroaniline	ND		9.8	0.41	ug/L		10/24/15 08:38	11/02/15 04:56	1
2-Nitrophenol	ND		4.9	0.47	ug/L		10/24/15 08:38	11/02/15 04:56	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 04:56	1
3-Nitroaniline	ND		9.8	0.47	ug/L		10/24/15 08:38	11/02/15 04:56	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.1	ug/L		10/24/15 08:38	11/02/15 04:56	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 04:56	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 04:56	1
4-Chloroaniline	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 04:56	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 04:56	1
4-Methylphenol	ND		9.8	0.35	ug/L		10/24/15 08:38	11/02/15 04:56	1
4-Nitroaniline	ND		9.8	0.24	ug/L		10/24/15 08:38	11/02/15 04:56	1
4-Nitrophenol	ND		9.8	1.5	ug/L		10/24/15 08:38	11/02/15 04:56	1
Acenaphthene	ND		4.9	0.40	ug/L		10/24/15 08:38	11/02/15 04:56	1
Acenaphthylene	ND		4.9	0.37	ug/L		10/24/15 08:38	11/02/15 04:56	1
Acetophenone	ND		4.9	0.53	ug/L		10/24/15 08:38	11/02/15 04:56	1
Anthracene	ND		4.9	0.27	ug/L		10/24/15 08:38	11/02/15 04:56	1
Atrazine	ND		4.9	0.45	ug/L		10/24/15 08:38	11/02/15 04:56	1
Benzaldehyde	ND		4.9	0.26	ug/L		10/24/15 08:38	11/02/15 04:56	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 04:56	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 04:56	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		10/24/15 08:38	11/02/15 04:56	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 04:56	1
Benzo[k]fluoranthene	ND		4.9	0.71	ug/L		10/24/15 08:38	11/02/15 04:56	1
Biphenyl	ND		4.9	0.64	ug/L		10/24/15 08:38	11/02/15 04:56	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		10/24/15 08:38	11/02/15 04:56	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 04:56	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 04:56	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		10/24/15 08:38	11/02/15 04:56	1
Butyl benzyl phthalate	**0.63**	**J B**	4.9	0.41	ug/L		10/24/15 08:38	11/02/15 04:56	1
Caprolactam	ND		4.9	2.1	ug/L		10/24/15 08:38	11/02/15 04:56	1
Carbazole	ND		4.9	0.29	ug/L		10/24/15 08:38	11/02/15 04:56	1
Chrysene	ND		4.9	0.32	ug/L		10/24/15 08:38	11/02/15 04:56	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		10/24/15 08:38	11/02/15 04:56	1
Dibenzofuran	ND		9.8	0.50	ug/L		10/24/15 08:38	11/02/15 04:56	1
Diethyl phthalate	ND		4.9	0.21	ug/L		10/24/15 08:38	11/02/15 04:56	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 04:56	1
Di-n-butyl phthalate	**0.34**	**J**	4.9	0.30	ug/L		10/24/15 08:38	11/02/15 04:56	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 04:56	1

Client Sample ID: CB-05-F-102115

Date Collected: 10/21/15 09:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-22

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 04:56	1
Fluorene	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 04:56	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 04:56	1
Hexachlorobutadiene	ND		4.9	0.66	ug/L		10/24/15 08:38	11/02/15 04:56	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 04:56	1
Hexachloroethane	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 04:56	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 04:56	1
Isophorone	ND		4.9	0.42	ug/L		10/24/15 08:38	11/02/15 04:56	1
Naphthalene	ND		4.9	0.74	ug/L		10/24/15 08:38	11/02/15 04:56	1
Nitrobenzene	ND		4.9	0.28	ug/L		10/24/15 08:38	11/02/15 04:56	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		10/24/15 08:38	11/02/15 04:56	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 04:56	1
Pentachlorophenol	ND		9.8	2.1	ug/L		10/24/15 08:38	11/02/15 04:56	1
Phenanthrene	ND		4.9	0.43	ug/L		10/24/15 08:38	11/02/15 04:56	1
Phenol	ND		4.9	0.38	ug/L		10/24/15 08:38	11/02/15 04:56	1
Pyrene	ND		4.9	0.33	ug/L		10/24/15 08:38	11/02/15 04:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane, methyl-	*18*	*T J N*	*ug/L*		*3.13*	*96-37-7*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
Unknown	*6.2*	*T J*	*ug/L*		*3.27*		*10/24/15 08:38*	*11/02/15 04:56*	*1*
Cyclohexane	*39*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.69*		*10/24/15 08:38*	*11/02/15 04:56*	*1*
Formamide, N,N-dimethyl-	*2.7*	*T J N*	*ug/L*		*4.81*	*68-12-2*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
Unknown	*6.3*	*T J*	*ug/L*		*5.43*		*10/24/15 08:38*	*11/02/15 04:56*	*1*
Decane	*3.4*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
Cyclohexasiloxane, dodecamethyl-	*1.9*	*T J N*	*ug/L*		*8.31*	*540-97-6*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*5.1*	*T J N*	*ug/L*		*9.37*	*96-76-4*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*10.98*		*10/24/15 08:38*	*11/02/15 04:56*	*1*
n-Hexadecanoic acid	*1.9*	*T J N*	*ug/L*		*11.05*	*57-10-3*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
Diphenyl sulfone	*6.5*	*T J N*	*ug/L*		*11.16*	*127-63-9*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*11.75*		*10/24/15 08:38*	*11/02/15 04:56*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*12.36*		*10/24/15 08:38*	*11/02/15 04:56*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*12.84*		*10/24/15 08:38*	*11/02/15 04:56*	*1*
Unknown	*15*	*T J*	*ug/L*		*15.00*		*10/24/15 08:38*	*11/02/15 04:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*52 - 132*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
2-Fluorophenol (Surr)	*50*		*20 - 120*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
Phenol-d5 (Surr)	*33*		*16 - 120*	*10/24/15 08:38*	*11/02/15 04:56*	*1*
p-Terphenyl-d14 (Surr)	*100*		*67 - 150*	*10/24/15 08:38*	*11/02/15 04:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:22	10/22/15 17:01	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 17:01	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 17:01	1
Barium	**0.024**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 17:01	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 17:01	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-05-F-102115
Date Collected: 10/21/15 09:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-22
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 17:01	1
Calcium	**40.3**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 17:01	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 17:01	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 17:01	1
Copper	**0.0019**	**J**	0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 17:01	1
Iron	**0.089**		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 17:01	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 17:01	1
Magnesium	**1.4**		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 17:01	1
Manganese	**0.035**		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 17:01	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 17:01	1
Potassium	**4.4**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 17:01	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 17:01	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 17:01	1
Sodium	**2.7**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 17:01	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 17:01	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 17:01	1
Zinc	ND		0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 17:01	1

Client Sample ID: CB-06-102115

Date Collected: 10/21/15 10:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-23

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		10/24/15 08:38	11/02/15 05:25	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		10/24/15 08:38	11/02/15 05:25	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 05:25	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		10/24/15 08:38	11/02/15 05:25	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		10/24/15 08:38	11/02/15 05:25	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 05:25	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 05:25	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		10/24/15 08:38	11/02/15 05:25	1
2-Chlorophenol	ND		4.9	0.52	ug/L		10/24/15 08:38	11/02/15 05:25	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		10/24/15 08:38	11/02/15 05:25	1
2-Methylphenol	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 05:25	1
2-Nitroaniline	ND		9.8	0.41	ug/L		10/24/15 08:38	11/02/15 05:25	1
2-Nitrophenol	ND		4.9	0.47	ug/L		10/24/15 08:38	11/02/15 05:25	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 05:25	1
3-Nitroaniline	ND		9.8	0.47	ug/L		10/24/15 08:38	11/02/15 05:25	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.2	ug/L		10/24/15 08:38	11/02/15 05:25	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 05:25	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 05:25	1
4-Chloroaniline	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 05:25	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 05:25	1
4-Methylphenol	ND		9.8	0.35	ug/L		10/24/15 08:38	11/02/15 05:25	1
4-Nitroaniline	ND		9.8	0.25	ug/L		10/24/15 08:38	11/02/15 05:25	1
4-Nitrophenol	**2.2**	**J**	9.8	1.5	ug/L		10/24/15 08:38	11/02/15 05:25	1
Acenaphthene	ND		4.9	0.40	ug/L		10/24/15 08:38	11/02/15 05:25	1
Acenaphthylene	ND		4.9	0.37	ug/L		10/24/15 08:38	11/02/15 05:25	1
Acetophenone	ND		4.9	0.53	ug/L		10/24/15 08:38	11/02/15 05:25	1
Anthracene	ND		4.9	0.28	ug/L		10/24/15 08:38	11/02/15 05:25	1
Atrazine	ND		4.9	0.45	ug/L		10/24/15 08:38	11/02/15 05:25	1
Benzaldehyde	ND		4.9	0.26	ug/L		10/24/15 08:38	11/02/15 05:25	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 05:25	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 05:25	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		10/24/15 08:38	11/02/15 05:25	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 05:25	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		10/24/15 08:38	11/02/15 05:25	1
Biphenyl	ND		4.9	0.64	ug/L		10/24/15 08:38	11/02/15 05:25	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		10/24/15 08:38	11/02/15 05:25	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 05:25	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 05:25	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		10/24/15 08:38	11/02/15 05:25	1
Butyl benzyl phthalate	**0.61**	**J B**	4.9	0.41	ug/L		10/24/15 08:38	11/02/15 05:25	1
Caprolactam	ND		4.9	2.2	ug/L		10/24/15 08:38	11/02/15 05:25	1
Carbazole	ND		4.9	0.30	ug/L		10/24/15 08:38	11/02/15 05:25	1
Chrysene	ND		4.9	0.32	ug/L		10/24/15 08:38	11/02/15 05:25	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		10/24/15 08:38	11/02/15 05:25	1
Dibenzofuran	ND		9.8	0.50	ug/L		10/24/15 08:38	11/02/15 05:25	1
Diethyl phthalate	ND		4.9	0.22	ug/L		10/24/15 08:38	11/02/15 05:25	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 05:25	1
Di-n-butyl phthalate	ND		4.9	0.31	ug/L		10/24/15 08:38	11/02/15 05:25	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 05:25	1

Client Sample ID: CB-06-102115

Date Collected: 10/21/15 10:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-23

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 05:25	1
Fluorene	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 05:25	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 05:25	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		10/24/15 08:38	11/02/15 05:25	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 05:25	1
Hexachloroethane	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 05:25	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 05:25	1
Isophorone	ND		4.9	0.42	ug/L		10/24/15 08:38	11/02/15 05:25	1
Naphthalene	ND		4.9	0.75	ug/L		10/24/15 08:38	11/02/15 05:25	1
Nitrobenzene	ND		4.9	0.29	ug/L		10/24/15 08:38	11/02/15 05:25	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		10/24/15 08:38	11/02/15 05:25	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 05:25	1
Pentachlorophenol	ND		9.8	2.2	ug/L		10/24/15 08:38	11/02/15 05:25	1
Phenanthrene	ND		4.9	0.43	ug/L		10/24/15 08:38	11/02/15 05:25	1
Phenol	ND		4.9	0.38	ug/L		10/24/15 08:38	11/02/15 05:25	1
Pyrene	ND		4.9	0.33	ug/L		10/24/15 08:38	11/02/15 05:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*39*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/24/15 08:38*	*11/02/15 05:25*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.71*		*10/24/15 08:38*	*11/02/15 05:25*	*1*
Unknown	*23*	*T J*	*ug/L*		*5.44*		*10/24/15 08:38*	*11/02/15 05:25*	*1*
Decane	*3.6*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/24/15 08:38*	*11/02/15 05:25*	*1*
Cyclohexasiloxane, dodecamethyl-	*3.4*	*T J N*	*ug/L*		*8.31*	*540-97-6*	*10/24/15 08:38*	*11/02/15 05:25*	*1*
Unknown	*11*	*T J*	*ug/L*		*11.75*		*10/24/15 08:38*	*11/02/15 05:25*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*12.36*		*10/24/15 08:38*	*11/02/15 05:25*	*1*
Unknown	*9.8*	*T J*	*ug/L*		*14.99*		*10/24/15 08:38*	*11/02/15 05:25*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*16.51*		*10/24/15 08:38*	*11/02/15 05:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*52 - 132*	*10/24/15 08:38*	*11/02/15 05:25*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*10/24/15 08:38*	*11/02/15 05:25*	*1*
2-Fluorophenol (Surr)	*57*		*20 - 120*	*10/24/15 08:38*	*11/02/15 05:25*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 120*	*10/24/15 08:38*	*11/02/15 05:25*	*1*
Phenol-d5 (Surr)	*40*		*16 - 120*	*10/24/15 08:38*	*11/02/15 05:25*	*1*
p-Terphenyl-d14 (Surr)	*101*		*67 - 150*	*10/24/15 08:38*	*11/02/15 05:25*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.19**	**J**	0.20	0.060	mg/L		10/22/15 11:22	10/22/15 17:04	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:22	10/22/15 17:04	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:22	10/22/15 17:04	1
Barium	**0.019**		0.0020	0.00070	mg/L		10/22/15 11:22	10/22/15 17:04	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:22	10/22/15 17:04	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:22	10/22/15 17:04	1
Calcium	**28.7**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 17:04	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:22	10/22/15 17:04	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:22	10/22/15 17:04	1
Copper	**0.0046**	**J**	0.010	0.0016	mg/L		10/22/15 11:22	10/22/15 17:04	1
Iron	**0.58**		0.050	0.019	mg/L		10/22/15 11:22	10/22/15 17:04	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:22	10/22/15 17:04	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-06-102115
Date Collected: 10/21/15 10:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-23
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**0.95**		0.20	0.043	mg/L		10/22/15 11:22	10/22/15 17:04	1
Manganese	**0.095**		0.0030	0.00040	mg/L		10/22/15 11:22	10/22/15 17:04	1
Nickel	**0.0018**	**J**	0.010	0.0013	mg/L		10/22/15 11:22	10/22/15 17:04	1
Potassium	**1.8**		0.50	0.10	mg/L		10/22/15 11:22	10/22/15 17:04	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:22	10/22/15 17:04	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:22	10/22/15 17:04	1
Sodium	**18.8**		1.0	0.32	mg/L		10/22/15 11:22	10/22/15 17:04	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:22	10/22/15 17:04	1
Vanadium	**0.0017**	**J**	0.0050	0.0015	mg/L		10/22/15 11:22	10/22/15 17:04	1
Zinc	**0.011**		0.010	0.0015	mg/L		10/22/15 11:22	10/22/15 17:04	1

Client Sample ID: CB-06-F-102115

Date Collected: 10/21/15 10:05
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-24

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		10/24/15 08:38	11/02/15 05:54	1
2,4,6-Trichlorophenol	ND		4.9	0.59	ug/L		10/24/15 08:38	11/02/15 05:54	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 05:54	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		10/24/15 08:38	11/02/15 05:54	1
2,4-Dinitrophenol	ND		9.7	2.2	ug/L		10/24/15 08:38	11/02/15 05:54	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 05:54	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 05:54	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		10/24/15 08:38	11/02/15 05:54	1
2-Chlorophenol	ND		4.9	0.52	ug/L		10/24/15 08:38	11/02/15 05:54	1
2-Methylnaphthalene	ND		4.9	0.58	ug/L		10/24/15 08:38	11/02/15 05:54	1
2-Methylphenol	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 05:54	1
2-Nitroaniline	ND		9.7	0.41	ug/L		10/24/15 08:38	11/02/15 05:54	1
2-Nitrophenol	ND		4.9	0.47	ug/L		10/24/15 08:38	11/02/15 05:54	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 05:54	1
3-Nitroaniline	ND		9.7	0.47	ug/L		10/24/15 08:38	11/02/15 05:54	1
4,6-Dinitro-2-methylphenol	ND		9.7	2.1	ug/L		10/24/15 08:38	11/02/15 05:54	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 05:54	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		10/24/15 08:38	11/02/15 05:54	1
4-Chloroaniline	ND		4.9	0.57	ug/L		10/24/15 08:38	11/02/15 05:54	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 05:54	1
4-Methylphenol	ND		9.7	0.35	ug/L		10/24/15 08:38	11/02/15 05:54	1
4-Nitroaniline	ND		9.7	0.24	ug/L		10/24/15 08:38	11/02/15 05:54	1
4-Nitrophenol	**2.0**	**J**	9.7	1.5	ug/L		10/24/15 08:38	11/02/15 05:54	1
Acenaphthene	ND		4.9	0.40	ug/L		10/24/15 08:38	11/02/15 05:54	1
Acenaphthylene	ND		4.9	0.37	ug/L		10/24/15 08:38	11/02/15 05:54	1
Acetophenone	ND		4.9	0.53	ug/L		10/24/15 08:38	11/02/15 05:54	1
Anthracene	ND		4.9	0.27	ug/L		10/24/15 08:38	11/02/15 05:54	1
Atrazine	ND		4.9	0.45	ug/L		10/24/15 08:38	11/02/15 05:54	1
Benzaldehyde	**0.32**	**J**	4.9	0.26	ug/L		10/24/15 08:38	11/02/15 05:54	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 05:54	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 05:54	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		10/24/15 08:38	11/02/15 05:54	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 05:54	1
Benzo[k]fluoranthene	ND		4.9	0.71	ug/L		10/24/15 08:38	11/02/15 05:54	1
Biphenyl	ND		4.9	0.64	ug/L		10/24/15 08:38	11/02/15 05:54	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		10/24/15 08:38	11/02/15 05:54	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		10/24/15 08:38	11/02/15 05:54	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 05:54	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		10/24/15 08:38	11/02/15 05:54	1
Butyl benzyl phthalate	**0.64**	**J B**	4.9	0.41	ug/L		10/24/15 08:38	11/02/15 05:54	1
Caprolactam	ND		4.9	2.1	ug/L		10/24/15 08:38	11/02/15 05:54	1
Carbazole	ND		4.9	0.29	ug/L		10/24/15 08:38	11/02/15 05:54	1
Chrysene	ND		4.9	0.32	ug/L		10/24/15 08:38	11/02/15 05:54	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		10/24/15 08:38	11/02/15 05:54	1
Dibenzofuran	ND		9.7	0.50	ug/L		10/24/15 08:38	11/02/15 05:54	1
Diethyl phthalate	**1.8**	**J**	4.9	0.21	ug/L		10/24/15 08:38	11/02/15 05:54	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 05:54	1
Di-n-butyl phthalate	**0.55**	**J**	4.9	0.30	ug/L		10/24/15 08:38	11/02/15 05:54	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 05:54	1

Client Sample ID: CB-06-F-102115
Date Collected: 10/21/15 10:05
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-24
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		10/24/15 08:38	11/02/15 05:54	1
Fluorene	ND		4.9	0.35	ug/L		10/24/15 08:38	11/02/15 05:54	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 05:54	1
Hexachlorobutadiene	ND		4.9	0.66	ug/L		10/24/15 08:38	11/02/15 05:54	1
Hexachlorocyclopentadiene	ND		4.9	0.57	ug/L		10/24/15 08:38	11/02/15 05:54	1
Hexachloroethane	ND		4.9	0.57	ug/L		10/24/15 08:38	11/02/15 05:54	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		10/24/15 08:38	11/02/15 05:54	1
Isophorone	ND		4.9	0.42	ug/L		10/24/15 08:38	11/02/15 05:54	1
Naphthalene	ND		4.9	0.74	ug/L		10/24/15 08:38	11/02/15 05:54	1
Nitrobenzene	ND		4.9	0.28	ug/L		10/24/15 08:38	11/02/15 05:54	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		10/24/15 08:38	11/02/15 05:54	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		10/24/15 08:38	11/02/15 05:54	1
Pentachlorophenol	ND		9.7	2.1	ug/L		10/24/15 08:38	11/02/15 05:54	1
Phenanthrene	ND		4.9	0.43	ug/L		10/24/15 08:38	11/02/15 05:54	1
Phenol	ND		4.9	0.38	ug/L		10/24/15 08:38	11/02/15 05:54	1
Pyrene	ND		4.9	0.33	ug/L		10/24/15 08:38	11/02/15 05:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane, methyl-	*15*	*T J N*	*ug/L*		*3.13*	*96-37-7*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
Unknown	*7.1*	*T J*	*ug/L*		*3.28*		*10/24/15 08:38*	*11/02/15 05:54*	*1*
Cyclohexane	*37*	*T J N*	*ug/L*		*3.55*	*110-82-7*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.70*		*10/24/15 08:38*	*11/02/15 05:54*	*1*
Formamide, N,N-dimethyl-	*7.2*	*T J N*	*ug/L*		*4.80*	*68-12-2*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*5.43*		*10/24/15 08:38*	*11/02/15 05:54*	*1*
Decane	*3.3*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
Cyclohexasiloxane, dodecamethyl-	*3.2*	*T J N*	*ug/L*		*8.31*	*540-97-6*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*4.4*	*T J N*	*ug/L*		*9.37*	*96-76-4*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*10.76*		*10/24/15 08:38*	*11/02/15 05:54*	*1*
n-Hexadecanoic acid	*3.8*	*T J N*	*ug/L*		*11.06*	*57-10-3*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
Diphenyl sulfone	*20*	*T J N*	*ug/L*		*11.16*	*127-63-9*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
Unknown	*13*	*T J*	*ug/L*		*11.74*		*10/24/15 08:38*	*11/02/15 05:54*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*12.35*		*10/24/15 08:38*	*11/02/15 05:54*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*12.61*		*10/24/15 08:38*	*11/02/15 05:54*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*12.81*		*10/24/15 08:38*	*11/02/15 05:54*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*14.96*		*10/24/15 08:38*	*11/02/15 05:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*52 - 132*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
2-Fluorophenol (Surr)	*52*		*20 - 120*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 120*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
Phenol-d5 (Surr)	*35*		*16 - 120*	*10/24/15 08:38*	*11/02/15 05:54*	*1*
p-Terphenyl-d14 (Surr)	*98*		*67 - 150*	*10/24/15 08:38*	*11/02/15 05:54*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:30	10/23/15 01:51	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:30	10/23/15 01:51	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:30	10/23/15 01:51	1
Barium	**0.014**		0.0020	0.00070	mg/L		10/22/15 11:30	10/23/15 01:51	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-06-F-102115
Date Collected: 10/21/15 10:05
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-24
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:30	10/23/15 01:51	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:30	10/23/15 01:51	1
Calcium	**28.2**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 01:51	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:30	10/23/15 01:51	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:30	10/23/15 01:51	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:30	10/23/15 01:51	1
Iron	**0.14**		0.050	0.019	mg/L		10/22/15 11:30	10/23/15 01:51	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:30	10/23/15 01:51	1
Magnesium	**0.70**		0.20	0.043	mg/L		10/22/15 11:30	10/23/15 01:51	1
Manganese	**0.083**		0.0030	0.00040	mg/L		10/22/15 11:30	10/23/15 01:51	1
Nickel	**0.0013**	**J**	0.010	0.0013	mg/L		10/22/15 11:30	10/23/15 01:51	1
Potassium	**1.6**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 01:51	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:30	10/23/15 01:51	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:30	10/23/15 01:51	1
Sodium	**19.1**		1.0	0.32	mg/L		10/22/15 11:30	10/23/15 01:51	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:30	10/23/15 01:51	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:30	10/23/15 01:51	1
Zinc	**0.0028**	**J**	0.010	0.0015	mg/L		10/22/15 11:30	10/23/15 01:51	1

Client Sample ID: CB-20-102115
Date Collected: 10/21/15 10:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-25
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/24/15 08:38	11/02/15 06:23	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/24/15 08:38	11/02/15 06:23	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/24/15 08:38	11/02/15 06:23	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/24/15 08:38	11/02/15 06:23	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/24/15 08:38	11/02/15 06:23	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/24/15 08:38	11/02/15 06:23	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 06:23	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/24/15 08:38	11/02/15 06:23	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/24/15 08:38	11/02/15 06:23	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/24/15 08:38	11/02/15 06:23	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 06:23	1
2-Nitroaniline	ND		10	0.42	ug/L		10/24/15 08:38	11/02/15 06:23	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/24/15 08:38	11/02/15 06:23	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 06:23	1
3-Nitroaniline	ND		10	0.48	ug/L		10/24/15 08:38	11/02/15 06:23	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/24/15 08:38	11/02/15 06:23	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/24/15 08:38	11/02/15 06:23	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/24/15 08:38	11/02/15 06:23	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/24/15 08:38	11/02/15 06:23	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/24/15 08:38	11/02/15 06:23	1
4-Methylphenol	ND		10	0.36	ug/L		10/24/15 08:38	11/02/15 06:23	1
4-Nitroaniline	ND		10	0.25	ug/L		10/24/15 08:38	11/02/15 06:23	1
4-Nitrophenol	**2.6**	**J**	10	1.5	ug/L		10/24/15 08:38	11/02/15 06:23	1
Acenaphthene	ND		5.0	0.41	ug/L		10/24/15 08:38	11/02/15 06:23	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/15 08:38	11/02/15 06:23	1
Acetophenone	ND		5.0	0.54	ug/L		10/24/15 08:38	11/02/15 06:23	1
Anthracene	ND		5.0	0.28	ug/L		10/24/15 08:38	11/02/15 06:23	1
Atrazine	ND		5.0	0.46	ug/L		10/24/15 08:38	11/02/15 06:23	1
Benzaldehyde	ND		5.0	0.27	ug/L		10/24/15 08:38	11/02/15 06:23	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/15 08:38	11/02/15 06:23	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:38	11/02/15 06:23	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/15 08:38	11/02/15 06:23	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/15 08:38	11/02/15 06:23	1
Benzo[k]fluoranthene	ND		5.0	0.74	ug/L		10/24/15 08:38	11/02/15 06:23	1
Biphenyl	ND		5.0	0.66	ug/L		10/24/15 08:38	11/02/15 06:23	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/24/15 08:38	11/02/15 06:23	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/24/15 08:38	11/02/15 06:23	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 06:23	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/24/15 08:38	11/02/15 06:23	1
Butyl benzyl phthalate	**0.67**	**J B**	5.0	0.42	ug/L		10/24/15 08:38	11/02/15 06:23	1
Caprolactam	ND		5.0	2.2	ug/L		10/24/15 08:38	11/02/15 06:23	1
Carbazole	ND		5.0	0.30	ug/L		10/24/15 08:38	11/02/15 06:23	1
Chrysene	ND		5.0	0.33	ug/L		10/24/15 08:38	11/02/15 06:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/15 08:38	11/02/15 06:23	1
Dibenzofuran	ND		10	0.51	ug/L		10/24/15 08:38	11/02/15 06:23	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/24/15 08:38	11/02/15 06:23	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/24/15 08:38	11/02/15 06:23	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/24/15 08:38	11/02/15 06:23	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/24/15 08:38	11/02/15 06:23	1

Client Sample ID: CB-20-102115
Date Collected: 10/21/15 10:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-25
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 06:23	1
Fluorene	ND		5.0	0.36	ug/L		10/24/15 08:38	11/02/15 06:23	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/24/15 08:38	11/02/15 06:23	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/24/15 08:38	11/02/15 06:23	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/24/15 08:38	11/02/15 06:23	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/24/15 08:38	11/02/15 06:23	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:38	11/02/15 06:23	1
Isophorone	ND		5.0	0.43	ug/L		10/24/15 08:38	11/02/15 06:23	1
Naphthalene	ND		5.0	0.77	ug/L		10/24/15 08:38	11/02/15 06:23	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/24/15 08:38	11/02/15 06:23	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/24/15 08:38	11/02/15 06:23	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/24/15 08:38	11/02/15 06:23	1
Pentachlorophenol	ND		10	2.2	ug/L		10/24/15 08:38	11/02/15 06:23	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/15 08:38	11/02/15 06:23	1
Phenol	ND		5.0	0.39	ug/L		10/24/15 08:38	11/02/15 06:23	1
Pyrene	ND		5.0	0.34	ug/L		10/24/15 08:38	11/02/15 06:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane, methyl-	*32*	*T J N*	*ug/L*		*3.12*	*96-37-7*	*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*10*	*T J*	*ug/L*		*3.28*		*10/24/15 08:38*	*11/02/15 06:23*	*1*
Cyclohexane	*53*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.70*		*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*4.58*		*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*7.1*	*T J*	*ug/L*		*5.43*		*10/24/15 08:38*	*11/02/15 06:23*	*1*
Decane	*3.4*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/24/15 08:38*	*11/02/15 06:23*	*1*
Cyclopentasiloxane, decamethyl-	*1.6*	*T J N*	*ug/L*		*7.43*	*541-02-6*	*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*8.31*		*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*9.09*		*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*10.75*		*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*16*	*T J*	*ug/L*		*11.74*		*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*12.35*		*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*6.1*	*T J*	*ug/L*		*14.09*		*10/24/15 08:38*	*11/02/15 06:23*	*1*
Erucylamide	*3.6*	*T J N*	*ug/L*		*14.74*	*112-84-5*	*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*14.96*		*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*13*	*T J*	*ug/L*		*14.99*		*10/24/15 08:38*	*11/02/15 06:23*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*16.52*		*10/24/15 08:38*	*11/02/15 06:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*10/24/15 08:38*	*11/02/15 06:23*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*10/24/15 08:38*	*11/02/15 06:23*	*1*
2-Fluorophenol (Surr)	*50*		*20 - 120*	*10/24/15 08:38*	*11/02/15 06:23*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*10/24/15 08:38*	*11/02/15 06:23*	*1*
Phenol-d5 (Surr)	*35*		*16 - 120*	*10/24/15 08:38*	*11/02/15 06:23*	*1*
p-Terphenyl-d14 (Surr)	*95*		*67 - 150*	*10/24/15 08:38*	*11/02/15 06:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.20**		0.20	0.060	mg/L		10/22/15 11:30	10/23/15 01:54	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:30	10/23/15 01:54	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:30	10/23/15 01:54	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-20-102115
Date Collected: 10/21/15 10:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-25
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.016**		0.0020	0.00070	mg/L		10/22/15 11:30	10/23/15 01:54	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:30	10/23/15 01:54	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:30	10/23/15 01:54	1
Calcium	**21.9**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 01:54	1
Chromium	**0.0012**	**J**	0.0040	0.0010	mg/L		10/22/15 11:30	10/23/15 01:54	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:30	10/23/15 01:54	1
Copper	**0.0045**	**J**	0.010	0.0016	mg/L		10/22/15 11:30	10/23/15 01:54	1
Iron	**0.46**		0.050	0.019	mg/L		10/22/15 11:30	10/23/15 01:54	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:30	10/23/15 01:54	1
Magnesium	**0.75**		0.20	0.043	mg/L		10/22/15 11:30	10/23/15 01:54	1
Manganese	**0.070**		0.0030	0.00040	mg/L		10/22/15 11:30	10/23/15 01:54	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:30	10/23/15 01:54	1
Potassium	**1.4**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 01:54	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:30	10/23/15 01:54	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:30	10/23/15 01:54	1
Sodium	**16.0**		1.0	0.32	mg/L		10/22/15 11:30	10/23/15 01:54	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:30	10/23/15 01:54	1
Vanadium	**0.0020**	**J**	0.0050	0.0015	mg/L		10/22/15 11:30	10/23/15 01:54	1
Zinc	**0.013**		0.010	0.0015	mg/L		10/22/15 11:30	10/23/15 01:54	1

Client Sample ID: CB-20-F-102115
Date Collected: 10/21/15 11:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-26
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/24/15 08:38	11/02/15 06:52	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/24/15 08:38	11/02/15 06:52	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/24/15 08:38	11/02/15 06:52	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/24/15 08:38	11/02/15 06:52	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/24/15 08:38	11/02/15 06:52	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/24/15 08:38	11/02/15 06:52	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 06:52	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/24/15 08:38	11/02/15 06:52	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/24/15 08:38	11/02/15 06:52	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/24/15 08:38	11/02/15 06:52	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 06:52	1
2-Nitroaniline	ND		10	0.42	ug/L		10/24/15 08:38	11/02/15 06:52	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/24/15 08:38	11/02/15 06:52	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 06:52	1
3-Nitroaniline	ND		10	0.48	ug/L		10/24/15 08:38	11/02/15 06:52	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/24/15 08:38	11/02/15 06:52	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/24/15 08:38	11/02/15 06:52	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/24/15 08:38	11/02/15 06:52	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/24/15 08:38	11/02/15 06:52	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/24/15 08:38	11/02/15 06:52	1
4-Methylphenol	ND		10	0.36	ug/L		10/24/15 08:38	11/02/15 06:52	1
4-Nitroaniline	ND		10	0.25	ug/L		10/24/15 08:38	11/02/15 06:52	1
4-Nitrophenol	**2.8**	**J**	10	1.5	ug/L		10/24/15 08:38	11/02/15 06:52	1
Acenaphthene	ND		5.0	0.41	ug/L		10/24/15 08:38	11/02/15 06:52	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/15 08:38	11/02/15 06:52	1
Acetophenone	ND		5.0	0.54	ug/L		10/24/15 08:38	11/02/15 06:52	1
Anthracene	ND		5.0	0.28	ug/L		10/24/15 08:38	11/02/15 06:52	1
Atrazine	ND		5.0	0.46	ug/L		10/24/15 08:38	11/02/15 06:52	1
Benzaldehyde	**0.27**	**J**	5.0	0.27	ug/L		10/24/15 08:38	11/02/15 06:52	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/15 08:38	11/02/15 06:52	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:38	11/02/15 06:52	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/15 08:38	11/02/15 06:52	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/15 08:38	11/02/15 06:52	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/15 08:38	11/02/15 06:52	1
Biphenyl	ND		5.0	0.65	ug/L		10/24/15 08:38	11/02/15 06:52	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/24/15 08:38	11/02/15 06:52	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/24/15 08:38	11/02/15 06:52	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 06:52	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/24/15 08:38	11/02/15 06:52	1
Butyl benzyl phthalate	**0.58**	**J B**	5.0	0.42	ug/L		10/24/15 08:38	11/02/15 06:52	1
Caprolactam	ND		5.0	2.2	ug/L		10/24/15 08:38	11/02/15 06:52	1
Carbazole	ND		5.0	0.30	ug/L		10/24/15 08:38	11/02/15 06:52	1
Chrysene	ND		5.0	0.33	ug/L		10/24/15 08:38	11/02/15 06:52	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/15 08:38	11/02/15 06:52	1
Dibenzofuran	ND		10	0.51	ug/L		10/24/15 08:38	11/02/15 06:52	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/24/15 08:38	11/02/15 06:52	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/24/15 08:38	11/02/15 06:52	1
Di-n-butyl phthalate	**0.46**	**J**	5.0	0.31	ug/L		10/24/15 08:38	11/02/15 06:52	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/24/15 08:38	11/02/15 06:52	1

Client Sample ID: CB-20-F-102115

Date Collected: 10/21/15 11:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-26

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 06:52	1
Fluorene	ND		5.0	0.36	ug/L		10/24/15 08:38	11/02/15 06:52	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/24/15 08:38	11/02/15 06:52	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/24/15 08:38	11/02/15 06:52	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/24/15 08:38	11/02/15 06:52	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/24/15 08:38	11/02/15 06:52	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:38	11/02/15 06:52	1
Isophorone	ND		5.0	0.43	ug/L		10/24/15 08:38	11/02/15 06:52	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/15 08:38	11/02/15 06:52	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/24/15 08:38	11/02/15 06:52	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/24/15 08:38	11/02/15 06:52	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/24/15 08:38	11/02/15 06:52	1
Pentachlorophenol	ND		10	2.2	ug/L		10/24/15 08:38	11/02/15 06:52	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/15 08:38	11/02/15 06:52	1
Phenol	ND		5.0	0.39	ug/L		10/24/15 08:38	11/02/15 06:52	1
Pyrene	ND		5.0	0.34	ug/L		10/24/15 08:38	11/02/15 06:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane, methyl-	*22*	*T J N*	*ug/L*		*3.12*	*96-37-7*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
Unknown	*10*	*T J*	*ug/L*		*3.29*		*10/24/15 08:38*	*11/02/15 06:52*	*1*
Cyclohexane	*39*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.71*		*10/24/15 08:38*	*11/02/15 06:52*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*4.59*		*10/24/15 08:38*	*11/02/15 06:52*	*1*
Unknown	*11*	*T J*	*ug/L*		*5.44*		*10/24/15 08:38*	*11/02/15 06:52*	*1*
Decane	*3.5*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
Eucalyptol	*2.2*	*T J N*	*ug/L*		*6.98*	*470-82-6*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
Cyclopentasiloxane, decamethyl-	*1.6*	*T J N*	*ug/L*		*7.43*	*541-02-6*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
Cyclohexasiloxane, dodecamethyl-	*4.1*	*T J N*	*ug/L*		*8.31*	*540-97-6*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*5.6*	*T J N*	*ug/L*		*9.37*	*96-76-4*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
Unknown	*4.3*	*T J*	*ug/L*		*10.76*		*10/24/15 08:38*	*11/02/15 06:52*	*1*
Diphenyl sulfone	*4.2*	*T J N*	*ug/L*		*11.16*	*127-63-9*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
Unknown	*16*	*T J*	*ug/L*		*11.73*		*10/24/15 08:38*	*11/02/15 06:52*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*12.35*		*10/24/15 08:38*	*11/02/15 06:52*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*14.95*		*10/24/15 08:38*	*11/02/15 06:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*52 - 132*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
2-Fluorophenol (Surr)	*56*		*20 - 120*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 120*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
Phenol-d5 (Surr)	*39*		*16 - 120*	*10/24/15 08:38*	*11/02/15 06:52*	*1*
p-Terphenyl-d14 (Surr)	*102*		*67 - 150*	*10/24/15 08:38*	*11/02/15 06:52*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:30	10/23/15 01:57	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:30	10/23/15 01:57	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:30	10/23/15 01:57	1
Barium	**0.014**		0.0020	0.00070	mg/L		10/22/15 11:30	10/23/15 01:57	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:30	10/23/15 01:57	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-20-F-102115
Date Collected: 10/21/15 11:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-26
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:30	10/23/15 01:57	1
Calcium	**21.5**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 01:57	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:30	10/23/15 01:57	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:30	10/23/15 01:57	1
Copper	**0.0032**	**J**	0.010	0.0016	mg/L		10/22/15 11:30	10/23/15 01:57	1
Iron	**0.15**		0.050	0.019	mg/L		10/22/15 11:30	10/23/15 01:57	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:30	10/23/15 01:57	1
Magnesium	**0.57**		0.20	0.043	mg/L		10/22/15 11:30	10/23/15 01:57	1
Manganese	**0.060**		0.0030	0.00040	mg/L		10/22/15 11:30	10/23/15 01:57	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:30	10/23/15 01:57	1
Potassium	**1.3**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 01:57	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:30	10/23/15 01:57	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:30	10/23/15 01:57	1
Sodium	**16.1**		1.0	0.32	mg/L		10/22/15 11:30	10/23/15 01:57	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:30	10/23/15 01:57	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:30	10/23/15 01:57	1
Zinc	**0.0048**	**J**	0.010	0.0015	mg/L		10/22/15 11:30	10/23/15 01:57	1

Client Sample ID: CB-21-102115
Date Collected: 10/21/15 12:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-27
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/24/15 08:34	11/02/15 16:48	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/24/15 08:34	11/02/15 16:48	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/24/15 08:34	11/02/15 16:48	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/24/15 08:34	11/02/15 16:48	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/24/15 08:34	11/02/15 16:48	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/24/15 08:34	11/02/15 16:48	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 16:48	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/24/15 08:34	11/02/15 16:48	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/24/15 08:34	11/02/15 16:48	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/24/15 08:34	11/02/15 16:48	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 16:48	1
2-Nitroaniline	ND		10	0.42	ug/L		10/24/15 08:34	11/02/15 16:48	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/24/15 08:34	11/02/15 16:48	1
3,3'-Dichlorobenzidine	ND	F1	5.0	0.40	ug/L		10/24/15 08:34	11/02/15 16:48	1
3-Nitroaniline	ND	F1	10	0.48	ug/L		10/24/15 08:34	11/02/15 16:48	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/24/15 08:34	11/02/15 16:48	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/24/15 08:34	11/02/15 16:48	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/24/15 08:34	11/02/15 16:48	1
4-Chloroaniline	ND	F1	5.0	0.59	ug/L		10/24/15 08:34	11/02/15 16:48	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/24/15 08:34	11/02/15 16:48	1
4-Methylphenol	ND		10	0.36	ug/L		10/24/15 08:34	11/02/15 16:48	1
4-Nitroaniline	ND	F1	10	0.25	ug/L		10/24/15 08:34	11/02/15 16:48	1
4-Nitrophenol	ND		10	1.5	ug/L		10/24/15 08:34	11/02/15 16:48	1
Acenaphthene	ND		5.0	0.41	ug/L		10/24/15 08:34	11/02/15 16:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/15 08:34	11/02/15 16:48	1
Acetophenone	ND		5.0	0.54	ug/L		10/24/15 08:34	11/02/15 16:48	1
Anthracene	ND		5.0	0.28	ug/L		10/24/15 08:34	11/02/15 16:48	1
Atrazine	ND		5.0	0.46	ug/L		10/24/15 08:34	11/02/15 16:48	1
Benzaldehyde	**1.1**	**J**	5.0	0.27	ug/L		10/24/15 08:34	11/02/15 16:48	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/15 08:34	11/02/15 16:48	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:34	11/02/15 16:48	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/15 08:34	11/02/15 16:48	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/15 08:34	11/02/15 16:48	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/15 08:34	11/02/15 16:48	1
Biphenyl	ND		5.0	0.65	ug/L		10/24/15 08:34	11/02/15 16:48	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/24/15 08:34	11/02/15 16:48	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/24/15 08:34	11/02/15 16:48	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 16:48	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/24/15 08:34	11/02/15 16:48	1
Butyl benzyl phthalate	**0.47**	**J B**	5.0	0.42	ug/L		10/24/15 08:34	11/02/15 16:48	1
Caprolactam	ND		5.0	2.2	ug/L		10/24/15 08:34	11/02/15 16:48	1
Carbazole	ND		5.0	0.30	ug/L		10/24/15 08:34	11/02/15 16:48	1
Chrysene	ND		5.0	0.33	ug/L		10/24/15 08:34	11/02/15 16:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/15 08:34	11/02/15 16:48	1
Dibenzofuran	ND		10	0.51	ug/L		10/24/15 08:34	11/02/15 16:48	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/24/15 08:34	11/02/15 16:48	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/24/15 08:34	11/02/15 16:48	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/24/15 08:34	11/02/15 16:48	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/24/15 08:34	11/02/15 16:48	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-21-102115
Date Collected: 10/21/15 12:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-27
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/24/15 08:34	11/02/15 16:48	1
Fluorene	ND		5.0	0.36	ug/L		10/24/15 08:34	11/02/15 16:48	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/24/15 08:34	11/02/15 16:48	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/24/15 08:34	11/02/15 16:48	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/24/15 08:34	11/02/15 16:48	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/24/15 08:34	11/02/15 16:48	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:34	11/02/15 16:48	1
Isophorone	ND		5.0	0.43	ug/L		10/24/15 08:34	11/02/15 16:48	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/15 08:34	11/02/15 16:48	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/24/15 08:34	11/02/15 16:48	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/24/15 08:34	11/02/15 16:48	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/24/15 08:34	11/02/15 16:48	1
Pentachlorophenol	ND		10	2.2	ug/L		10/24/15 08:34	11/02/15 16:48	1
Phenanthrene	ND		5.0	0.44	ug/L		10/24/15 08:34	11/02/15 16:48	1
Phenol	ND		5.0	0.39	ug/L		10/24/15 08:34	11/02/15 16:48	1
Pyrene	ND		5.0	0.34	ug/L		10/24/15 08:34	11/02/15 16:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*20*	*T J N*	*ug/L*		*3.61*	*110-82-7*	*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*110*	*T J*	*ug/L*		*3.78*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*6.71*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Cyclopentasiloxane, decamethyl-	*5.8*	*T J N*	*ug/L*		*7.44*	*541-02-6*	*10/24/15 08:34*	*11/02/15 16:48*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.7*	*T J N*	*ug/L*		*8.33*	*540-97-6*	*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*6.9*	*T J*	*ug/L*		*8.47*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*16*	*T J*	*ug/L*		*10.79*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*6.3*	*T J*	*ug/L*		*11.34*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*43*	*T J*	*ug/L*		*11.76*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*12.35*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*21*	*T J*	*ug/L*		*12.39*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*9.4*	*T J*	*ug/L*		*13.29*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*31*	*T J*	*ug/L*		*13.63*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*5.9*	*T J*	*ug/L*		*14.10*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*6.5*	*T J*	*ug/L*		*14.67*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*14.82*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Squalene	*7.3*	*T J N*	*ug/L*		*14.98*	*7683-64-9*	*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*24*	*T J*	*ug/L*		*15.05*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*16.60*		*10/24/15 08:34*	*11/02/15 16:48*	*1*
17-(1,5-Dimethylhexyl) -10,13-dimethyl-2,	*8.0*	*T J N*	*ug/L*		*17.30*	*1000210-38-4*	*10/24/15 08:34*	*11/02/15 16:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*52 - 132*	*10/24/15 08:34*	*11/02/15 16:48*	*1*
2-Fluorobiphenyl	*66*		*48 - 120*	*10/24/15 08:34*	*11/02/15 16:48*	*1*
2-Fluorophenol (Surr)	*41*		*20 - 120*	*10/24/15 08:34*	*11/02/15 16:48*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 120*	*10/24/15 08:34*	*11/02/15 16:48*	*1*
Phenol-d5 (Surr)	*31*		*16 - 120*	*10/24/15 08:34*	*11/02/15 16:48*	*1*
p-Terphenyl-d14 (Surr)	*81*		*67 - 150*	*10/24/15 08:34*	*11/02/15 16:48*	*1*

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-21-102115
Date Collected: 10/21/15 12:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-27
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.16**	**J**	0.20	0.060	mg/L		10/22/15 11:30	10/23/15 02:00	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:30	10/23/15 02:00	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:30	10/23/15 02:00	1
Barium	**0.023**		0.0020	0.00070	mg/L		10/22/15 11:30	10/23/15 02:00	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:30	10/23/15 02:00	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:30	10/23/15 02:00	1
Calcium	**34.4**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 02:00	1
Chromium	**0.0013**	**J**	0.0040	0.0010	mg/L		10/22/15 11:30	10/23/15 02:00	1
Cobalt	**0.00066**	**J**	0.0040	0.00063	mg/L		10/22/15 11:30	10/23/15 02:00	1
Copper	**0.0063**	**J**	0.010	0.0016	mg/L		10/22/15 11:30	10/23/15 02:00	1
Iron	**0.68**		0.050	0.019	mg/L		10/22/15 11:30	10/23/15 02:00	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:30	10/23/15 02:00	1
Magnesium	**1.3**		0.20	0.043	mg/L		10/22/15 11:30	10/23/15 02:00	1
Manganese	**0.19**		0.0030	0.00040	mg/L		10/22/15 11:30	10/23/15 02:00	1
Nickel	**0.0014**	**J**	0.010	0.0013	mg/L		10/22/15 11:30	10/23/15 02:00	1
Potassium	**3.2**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 02:00	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:30	10/23/15 02:00	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:30	10/23/15 02:00	1
Sodium	**36.9**		1.0	0.32	mg/L		10/22/15 11:30	10/23/15 02:00	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:30	10/23/15 02:00	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:30	10/23/15 02:00	1
Zinc	**0.020**		0.010	0.0015	mg/L		10/22/15 11:30	10/23/15 02:00	1

Client Sample ID: CB-21-F-102115

Date Collected: 10/21/15 13:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-28

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/24/15 08:38	11/02/15 07:21	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/24/15 08:38	11/02/15 07:21	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/24/15 08:38	11/02/15 07:21	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/24/15 08:38	11/02/15 07:21	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		10/24/15 08:38	11/02/15 07:21	1
2,4-Dinitrotoluene	ND		5.0	0.44	ug/L		10/24/15 08:38	11/02/15 07:21	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 07:21	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/24/15 08:38	11/02/15 07:21	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/24/15 08:38	11/02/15 07:21	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/24/15 08:38	11/02/15 07:21	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 07:21	1
2-Nitroaniline	ND		9.9	0.42	ug/L		10/24/15 08:38	11/02/15 07:21	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/24/15 08:38	11/02/15 07:21	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 07:21	1
3-Nitroaniline	ND		9.9	0.48	ug/L		10/24/15 08:38	11/02/15 07:21	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		10/24/15 08:38	11/02/15 07:21	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/24/15 08:38	11/02/15 07:21	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/24/15 08:38	11/02/15 07:21	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/24/15 08:38	11/02/15 07:21	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/24/15 08:38	11/02/15 07:21	1
4-Methylphenol	ND		9.9	0.36	ug/L		10/24/15 08:38	11/02/15 07:21	1
4-Nitroaniline	ND		9.9	0.25	ug/L		10/24/15 08:38	11/02/15 07:21	1
4-Nitrophenol	**2.0**	**J**	9.9	1.5	ug/L		10/24/15 08:38	11/02/15 07:21	1
Acenaphthene	ND		5.0	0.41	ug/L		10/24/15 08:38	11/02/15 07:21	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/24/15 08:38	11/02/15 07:21	1
Acetophenone	ND		5.0	0.54	ug/L		10/24/15 08:38	11/02/15 07:21	1
Anthracene	ND		5.0	0.28	ug/L		10/24/15 08:38	11/02/15 07:21	1
Atrazine	ND		5.0	0.46	ug/L		10/24/15 08:38	11/02/15 07:21	1
Benzaldehyde	**0.40**	**J**	5.0	0.27	ug/L		10/24/15 08:38	11/02/15 07:21	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/24/15 08:38	11/02/15 07:21	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:38	11/02/15 07:21	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/24/15 08:38	11/02/15 07:21	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/24/15 08:38	11/02/15 07:21	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/24/15 08:38	11/02/15 07:21	1
Biphenyl	ND		5.0	0.65	ug/L		10/24/15 08:38	11/02/15 07:21	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/24/15 08:38	11/02/15 07:21	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/24/15 08:38	11/02/15 07:21	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 07:21	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/24/15 08:38	11/02/15 07:21	1
Butyl benzyl phthalate	**0.62**	**J B**	5.0	0.42	ug/L		10/24/15 08:38	11/02/15 07:21	1
Caprolactam	ND		5.0	2.2	ug/L		10/24/15 08:38	11/02/15 07:21	1
Carbazole	ND		5.0	0.30	ug/L		10/24/15 08:38	11/02/15 07:21	1
Chrysene	ND		5.0	0.33	ug/L		10/24/15 08:38	11/02/15 07:21	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/24/15 08:38	11/02/15 07:21	1
Dibenzofuran	ND		9.9	0.51	ug/L		10/24/15 08:38	11/02/15 07:21	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/24/15 08:38	11/02/15 07:21	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/24/15 08:38	11/02/15 07:21	1
Di-n-butyl phthalate	**0.42**	**J**	5.0	0.31	ug/L		10/24/15 08:38	11/02/15 07:21	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/24/15 08:38	11/02/15 07:21	1

Client Sample ID: CB-21-F-102115

Date Collected: 10/21/15 13:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-28

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/24/15 08:38	11/02/15 07:21	1
Fluorene	ND		5.0	0.36	ug/L		10/24/15 08:38	11/02/15 07:21	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/24/15 08:38	11/02/15 07:21	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/24/15 08:38	11/02/15 07:21	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/24/15 08:38	11/02/15 07:21	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/24/15 08:38	11/02/15 07:21	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/24/15 08:38	11/02/15 07:21	1
Isophorone	ND		5.0	0.43	ug/L		10/24/15 08:38	11/02/15 07:21	1
Naphthalene	ND		5.0	0.76	ug/L		10/24/15 08:38	11/02/15 07:21	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/24/15 08:38	11/02/15 07:21	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/24/15 08:38	11/02/15 07:21	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/24/15 08:38	11/02/15 07:21	1
Pentachlorophenol	ND		9.9	2.2	ug/L		10/24/15 08:38	11/02/15 07:21	1
Phenanthrene	**0.53**	**J**	5.0	0.44	ug/L		10/24/15 08:38	11/02/15 07:21	1
Phenol	ND		5.0	0.39	ug/L		10/24/15 08:38	11/02/15 07:21	1
Pyrene	ND		5.0	0.34	ug/L		10/24/15 08:38	11/02/15 07:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane, methyl-	*18*	*T J N*	*ug/L*		*3.13*	*96-37-7*	*10/24/15 08:38*	*11/02/15 07:21*	*1*
Unknown	*7.4*	*T J*	*ug/L*		*3.27*		*10/24/15 08:38*	*11/02/15 07:21*	*1*
Cyclohexane	*45*	*T J N*	*ug/L*		*3.55*	*110-82-7*	*10/24/15 08:38*	*11/02/15 07:21*	*1*
Unknown	*150*	*T J*	*ug/L*		*3.70*		*10/24/15 08:38*	*11/02/15 07:21*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*5.44*		*10/24/15 08:38*	*11/02/15 07:21*	*1*
Decane	*3.5*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/24/15 08:38*	*11/02/15 07:21*	*1*
Cyclopentasiloxane, decamethyl-	*2.1*	*T J N*	*ug/L*		*7.42*	*541-02-6*	*10/24/15 08:38*	*11/02/15 07:21*	*1*
Cyclohexasiloxane, dodecamethyl-	*3.6*	*T J N*	*ug/L*		*8.31*	*540-97-6*	*10/24/15 08:38*	*11/02/15 07:21*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*9.10*		*10/24/15 08:38*	*11/02/15 07:21*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*9.8*	*T J N*	*ug/L*		*9.37*	*96-76-4*	*10/24/15 08:38*	*11/02/15 07:21*	*1*
Unknown	*6.4*	*T J*	*ug/L*		*10.76*		*10/24/15 08:38*	*11/02/15 07:21*	*1*
Diphenyl sulfone	*4.2*	*T J N*	*ug/L*		*11.16*	*127-63-9*	*10/24/15 08:38*	*11/02/15 07:21*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*11.32*		*10/24/15 08:38*	*11/02/15 07:21*	*1*
Unknown	*17*	*T J*	*ug/L*		*11.73*		*10/24/15 08:38*	*11/02/15 07:21*	*1*
Unknown	*1.6*	*T J*	*ug/L*		*12.08*		*10/24/15 08:38*	*11/02/15 07:21*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*12.35*		*10/24/15 08:38*	*11/02/15 07:21*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*14.96*		*10/24/15 08:38*	*11/02/15 07:21*	*1*
Unknown	*11*	*T J*	*ug/L*		*14.99*		*10/24/15 08:38*	*11/02/15 07:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*52 - 132*	*10/24/15 08:38*	*11/02/15 07:21*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*10/24/15 08:38*	*11/02/15 07:21*	*1*
2-Fluorophenol (Surr)	*53*		*20 - 120*	*10/24/15 08:38*	*11/02/15 07:21*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 120*	*10/24/15 08:38*	*11/02/15 07:21*	*1*
Phenol-d5 (Surr)	*35*		*16 - 120*	*10/24/15 08:38*	*11/02/15 07:21*	*1*
p-Terphenyl-d14 (Surr)	*94*		*67 - 150*	*10/24/15 08:38*	*11/02/15 07:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:30	10/23/15 02:25	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:30	10/23/15 02:25	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:30	10/23/15 02:25	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-21-F-102115
Date Collected: 10/21/15 13:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-28
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.020**		0.0020	0.00070	mg/L		10/22/15 11:30	10/23/15 02:25	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:30	10/23/15 02:25	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:30	10/23/15 02:25	1
Calcium	**34.0**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 02:25	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:30	10/23/15 02:25	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:30	10/23/15 02:25	1
Copper	**0.0024**	**J**	0.010	0.0016	mg/L		10/22/15 11:30	10/23/15 02:25	1
Iron	**0.19**		0.050	0.019	mg/L		10/22/15 11:30	10/23/15 02:25	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:30	10/23/15 02:25	1
Magnesium	**1.2**		0.20	0.043	mg/L		10/22/15 11:30	10/23/15 02:25	1
Manganese	**0.18**		0.0030	0.00040	mg/L		10/22/15 11:30	10/23/15 02:25	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:30	10/23/15 02:25	1
Potassium	**3.1**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 02:25	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:30	10/23/15 02:25	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:30	10/23/15 02:25	1
Sodium	**37.0**		1.0	0.32	mg/L		10/22/15 11:30	10/23/15 02:25	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:30	10/23/15 02:25	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:30	10/23/15 02:25	1
Zinc	**0.0082**	**J ^**	0.010	0.0015	mg/L		10/22/15 11:30	10/23/15 02:25	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-18-102115
Date Collected: 10/21/15 14:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-29
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		10/24/15 08:38	11/02/15 22:07	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		10/24/15 08:38	11/02/15 22:07	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		10/24/15 08:38	11/02/15 22:07	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		10/24/15 08:38	11/02/15 22:07	5
2,4-Dinitrophenol	ND		51	11	ug/L		10/24/15 08:38	11/02/15 22:07	5
2,4-Dinitrotoluene	ND		25	2.3	ug/L		10/24/15 08:38	11/02/15 22:07	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		10/24/15 08:38	11/02/15 22:07	5
2-Chloronaphthalene	ND		25	2.3	ug/L		10/24/15 08:38	11/02/15 22:07	5
2-Chlorophenol	ND		25	2.7	ug/L		10/24/15 08:38	11/02/15 22:07	5
2-Methylnaphthalene	ND		25	3.1	ug/L		10/24/15 08:38	11/02/15 22:07	5
2-Methylphenol	ND		25	2.0	ug/L		10/24/15 08:38	11/02/15 22:07	5
2-Nitroaniline	ND		51	2.1	ug/L		10/24/15 08:38	11/02/15 22:07	5
2-Nitrophenol	ND		25	2.4	ug/L		10/24/15 08:38	11/02/15 22:07	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		10/24/15 08:38	11/02/15 22:07	5
3-Nitroaniline	ND		51	2.4	ug/L		10/24/15 08:38	11/02/15 22:07	5
4,6-Dinitro-2-methylphenol	ND		51	11	ug/L		10/24/15 08:38	11/02/15 22:07	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		10/24/15 08:38	11/02/15 22:07	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		10/24/15 08:38	11/02/15 22:07	5
4-Chloroaniline	ND		25	3.0	ug/L		10/24/15 08:38	11/02/15 22:07	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		10/24/15 08:38	11/02/15 22:07	5
4-Methylphenol	ND		51	1.8	ug/L		10/24/15 08:38	11/02/15 22:07	5
4-Nitroaniline	ND		51	1.3	ug/L		10/24/15 08:38	11/02/15 22:07	5
4-Nitrophenol	ND		51	7.7	ug/L		10/24/15 08:38	11/02/15 22:07	5
Acenaphthene	ND		25	2.1	ug/L		10/24/15 08:38	11/02/15 22:07	5
Acenaphthylene	ND		25	1.9	ug/L		10/24/15 08:38	11/02/15 22:07	5
Acetophenone	ND		25	2.8	ug/L		10/24/15 08:38	11/02/15 22:07	5
Anthracene	ND		25	1.4	ug/L		10/24/15 08:38	11/02/15 22:07	5
Atrazine	ND		25	2.3	ug/L		10/24/15 08:38	11/02/15 22:07	5
Benzaldehyde	ND		25	1.4	ug/L		10/24/15 08:38	11/02/15 22:07	5
Benzo[a]anthracene	ND		25	1.8	ug/L		10/24/15 08:38	11/02/15 22:07	5
Benzo[a]pyrene	ND		25	2.4	ug/L		10/24/15 08:38	11/02/15 22:07	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		10/24/15 08:38	11/02/15 22:07	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		10/24/15 08:38	11/02/15 22:07	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		10/24/15 08:38	11/02/15 22:07	5
Biphenyl	ND		25	3.3	ug/L		10/24/15 08:38	11/02/15 22:07	5
bis (2-chloroisopropyl) ether	ND		25	2.7	ug/L		10/24/15 08:38	11/02/15 22:07	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		10/24/15 08:38	11/02/15 22:07	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		10/24/15 08:38	11/02/15 22:07	5
Bis(2-ethylhexyl) phthalate	ND		25	9.2	ug/L		10/24/15 08:38	11/02/15 22:07	5
Butyl benzyl phthalate	**2.2**	**J B**	25	2.1	ug/L		10/24/15 08:38	11/02/15 22:07	5
Caprolactam	ND		25	11	ug/L		10/24/15 08:38	11/02/15 22:07	5
Carbazole	ND		25	1.5	ug/L		10/24/15 08:38	11/02/15 22:07	5
Chrysene	ND		25	1.7	ug/L		10/24/15 08:38	11/02/15 22:07	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		10/24/15 08:38	11/02/15 22:07	5
Dibenzofuran	ND		51	2.6	ug/L		10/24/15 08:38	11/02/15 22:07	5
Diethyl phthalate	ND		25	1.1	ug/L		10/24/15 08:38	11/02/15 22:07	5
Dimethyl phthalate	ND		25	1.8	ug/L		10/24/15 08:38	11/02/15 22:07	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		10/24/15 08:38	11/02/15 22:07	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		10/24/15 08:38	11/02/15 22:07	5

Client Sample ID: CB-18-102115

Date Collected: 10/21/15 14:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-29

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		25	2.0	ug/L		10/24/15 08:38	11/02/15 22:07	5
Fluorene	ND		25	1.8	ug/L		10/24/15 08:38	11/02/15 22:07	5
Hexachlorobenzene	ND		25	2.6	ug/L		10/24/15 08:38	11/02/15 22:07	5
Hexachlorobutadiene	ND		25	3.5	ug/L		10/24/15 08:38	11/02/15 22:07	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		10/24/15 08:38	11/02/15 22:07	5
Hexachloroethane	ND		25	3.0	ug/L		10/24/15 08:38	11/02/15 22:07	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		10/24/15 08:38	11/02/15 22:07	5
Isophorone	ND		25	2.2	ug/L		10/24/15 08:38	11/02/15 22:07	5
Naphthalene	ND		25	3.9	ug/L		10/24/15 08:38	11/02/15 22:07	5
Nitrobenzene	ND		25	1.5	ug/L		10/24/15 08:38	11/02/15 22:07	5
N-Nitrosodi-n-propylamine	ND		25	2.8	ug/L		10/24/15 08:38	11/02/15 22:07	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		10/24/15 08:38	11/02/15 22:07	5
Pentachlorophenol	ND		51	11	ug/L		10/24/15 08:38	11/02/15 22:07	5
Phenanthrene	ND		25	2.2	ug/L		10/24/15 08:38	11/02/15 22:07	5
Phenol	ND		25	2.0	ug/L		10/24/15 08:38	11/02/15 22:07	5
Pyrene	ND		25	1.7	ug/L		10/24/15 08:38	11/02/15 22:07	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane, methyl-	*63*	*T J N*	*ug/L*		*3.12*	*96-37-7*	*10/24/15 08:38*	*11/02/15 22:07*	*5*
Unknown	*27*	*T J*	*ug/L*		*3.29*		*10/24/15 08:38*	*11/02/15 22:07*	*5*
Cyclohexane	*110*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/24/15 08:38*	*11/02/15 22:07*	*5*
Unknown	*85*	*T J*	*ug/L*		*3.71*		*10/24/15 08:38*	*11/02/15 22:07*	*5*
Unknown	*850*	*T J*	*ug/L*		*5.46*		*10/24/15 08:38*	*11/02/15 22:07*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*52 - 132*	*10/24/15 08:38*	*11/02/15 22:07*	*5*
2-Fluorobiphenyl	*72*		*48 - 120*	*10/24/15 08:38*	*11/02/15 22:07*	*5*
2-Fluorophenol (Surr)	*54*		*20 - 120*	*10/24/15 08:38*	*11/02/15 22:07*	*5*
Nitrobenzene-d5 (Surr)	*54*		*46 - 120*	*10/24/15 08:38*	*11/02/15 22:07*	*5*
Phenol-d5 (Surr)	*44*		*16 - 120*	*10/24/15 08:38*	*11/02/15 22:07*	*5*
p-Terphenyl-d14 (Surr)	*86*		*67 - 150*	*10/24/15 08:38*	*11/02/15 22:07*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:30	10/23/15 02:29	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:30	10/23/15 02:29	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:30	10/23/15 02:29	1
Barium	**0.18**		0.0020	0.00070	mg/L		10/22/15 11:30	10/23/15 02:29	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:30	10/23/15 02:29	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:30	10/23/15 02:29	1
Calcium	**263**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 02:29	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:30	10/23/15 02:29	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:30	10/23/15 02:29	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:30	10/23/15 02:29	1
Iron	ND		0.050	0.019	mg/L		10/22/15 11:30	10/23/15 02:29	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:30	10/23/15 02:29	1
Magnesium	ND		0.20	0.043	mg/L		10/22/15 11:30	10/23/15 02:29	1
Manganese	ND		0.0030	0.00040	mg/L		10/22/15 11:30	10/23/15 02:29	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:30	10/23/15 02:29	1
Potassium	**29.2**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 02:29	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-18-102115
Date Collected: 10/21/15 14:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-29
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:30	10/23/15 02:29	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:30	10/23/15 02:29	1
Sodium	**41.6**		1.0	0.32	mg/L		10/22/15 11:30	10/23/15 02:29	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:30	10/23/15 02:29	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:30	10/23/15 02:29	1
Zinc	ND	^	0.010	0.0015	mg/L		10/22/15 11:30	10/23/15 02:29	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-18-F-102115
Date Collected: 10/21/15 14:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-30
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/24/15 08:38	11/02/15 08:20	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		10/24/15 08:38	11/02/15 08:20	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/24/15 08:38	11/02/15 08:20	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/24/15 08:38	11/02/15 08:20	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/24/15 08:38	11/02/15 08:20	1
2,4-Dinitrotoluene	ND		5.1	0.45	ug/L		10/24/15 08:38	11/02/15 08:20	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/24/15 08:38	11/02/15 08:20	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/24/15 08:38	11/02/15 08:20	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/24/15 08:38	11/02/15 08:20	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/24/15 08:38	11/02/15 08:20	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/24/15 08:38	11/02/15 08:20	1
2-Nitroaniline	ND		10	0.43	ug/L		10/24/15 08:38	11/02/15 08:20	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/24/15 08:38	11/02/15 08:20	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/24/15 08:38	11/02/15 08:20	1
3-Nitroaniline	ND		10	0.49	ug/L		10/24/15 08:38	11/02/15 08:20	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/24/15 08:38	11/02/15 08:20	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/24/15 08:38	11/02/15 08:20	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/24/15 08:38	11/02/15 08:20	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/24/15 08:38	11/02/15 08:20	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/24/15 08:38	11/02/15 08:20	1
4-Methylphenol	**0.60**	**J**	10	0.37	ug/L		10/24/15 08:38	11/02/15 08:20	1
4-Nitroaniline	ND		10	0.25	ug/L		10/24/15 08:38	11/02/15 08:20	1
4-Nitrophenol	ND		10	1.5	ug/L		10/24/15 08:38	11/02/15 08:20	1
Acenaphthene	ND		5.1	0.42	ug/L		10/24/15 08:38	11/02/15 08:20	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/24/15 08:38	11/02/15 08:20	1
Acetophenone	ND		5.1	0.55	ug/L		10/24/15 08:38	11/02/15 08:20	1
Anthracene	ND		5.1	0.28	ug/L		10/24/15 08:38	11/02/15 08:20	1
Atrazine	ND		5.1	0.47	ug/L		10/24/15 08:38	11/02/15 08:20	1
Benzaldehyde	ND		5.1	0.27	ug/L		10/24/15 08:38	11/02/15 08:20	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/24/15 08:38	11/02/15 08:20	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/24/15 08:38	11/02/15 08:20	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/24/15 08:38	11/02/15 08:20	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/24/15 08:38	11/02/15 08:20	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		10/24/15 08:38	11/02/15 08:20	1
Biphenyl	ND		5.1	0.66	ug/L		10/24/15 08:38	11/02/15 08:20	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/24/15 08:38	11/02/15 08:20	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/24/15 08:38	11/02/15 08:20	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/24/15 08:38	11/02/15 08:20	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/24/15 08:38	11/02/15 08:20	1
Butyl benzyl phthalate	**0.69**	**J B**	5.1	0.43	ug/L		10/24/15 08:38	11/02/15 08:20	1
Caprolactam	ND		5.1	2.2	ug/L		10/24/15 08:38	11/02/15 08:20	1
Carbazole	ND		5.1	0.30	ug/L		10/24/15 08:38	11/02/15 08:20	1
Chrysene	ND		5.1	0.33	ug/L		10/24/15 08:38	11/02/15 08:20	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/24/15 08:38	11/02/15 08:20	1
Dibenzofuran	ND		10	0.52	ug/L		10/24/15 08:38	11/02/15 08:20	1
Diethyl phthalate	ND		5.1	0.22	ug/L		10/24/15 08:38	11/02/15 08:20	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/24/15 08:38	11/02/15 08:20	1
Di-n-butyl phthalate	ND		5.1	0.31	ug/L		10/24/15 08:38	11/02/15 08:20	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/24/15 08:38	11/02/15 08:20	1

Client Sample ID: CB-18-F-102115

Date Collected: 10/21/15 14:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-30

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/24/15 08:38	11/02/15 08:20	1
Fluorene	ND		5.1	0.37	ug/L		10/24/15 08:38	11/02/15 08:20	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/24/15 08:38	11/02/15 08:20	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		10/24/15 08:38	11/02/15 08:20	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/24/15 08:38	11/02/15 08:20	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/24/15 08:38	11/02/15 08:20	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/24/15 08:38	11/02/15 08:20	1
Isophorone	ND		5.1	0.44	ug/L		10/24/15 08:38	11/02/15 08:20	1
Naphthalene	ND		5.1	0.77	ug/L		10/24/15 08:38	11/02/15 08:20	1
Nitrobenzene	ND		5.1	0.29	ug/L		10/24/15 08:38	11/02/15 08:20	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/24/15 08:38	11/02/15 08:20	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/24/15 08:38	11/02/15 08:20	1
Pentachlorophenol	ND		10	2.2	ug/L		10/24/15 08:38	11/02/15 08:20	1
Phenanthrene	**0.53**	**J**	5.1	0.45	ug/L		10/24/15 08:38	11/02/15 08:20	1
Phenol	ND		5.1	0.40	ug/L		10/24/15 08:38	11/02/15 08:20	1
Pyrene	ND		5.1	0.35	ug/L		10/24/15 08:38	11/02/15 08:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane, methyl-	*2.8*	*T J N*	*ug/L*		*3.13*	*96-37-7*	*10/24/15 08:38*	*11/02/15 08:20*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*3.26*		*10/24/15 08:38*	*11/02/15 08:20*	*1*
Cyclohexane	*28*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/24/15 08:38*	*11/02/15 08:20*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.68*		*10/24/15 08:38*	*11/02/15 08:20*	*1*
Decane	*3.2*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/24/15 08:38*	*11/02/15 08:20*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*5.3*	*T J N*	*ug/L*		*9.37*	*96-76-4*	*10/24/15 08:38*	*11/02/15 08:20*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*10.76*		*10/24/15 08:38*	*11/02/15 08:20*	*1*
Diphenyl sulfone	*2.7*	*T J N*	*ug/L*		*11.16*	*127-63-9*	*10/24/15 08:38*	*11/02/15 08:20*	*1*
Unknown	*16*	*T J*	*ug/L*		*11.73*		*10/24/15 08:38*	*11/02/15 08:20*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*12.35*		*10/24/15 08:38*	*11/02/15 08:20*	*1*
Unknown	*9.2*	*T J*	*ug/L*		*12.80*		*10/24/15 08:38*	*11/02/15 08:20*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*13.25*		*10/24/15 08:38*	*11/02/15 08:20*	*1*
Unknown	*8.9*	*T J*	*ug/L*		*13.57*		*10/24/15 08:38*	*11/02/15 08:20*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*14.61*		*10/24/15 08:38*	*11/02/15 08:20*	*1*
Erucylamide	*2.1*	*T J N*	*ug/L*		*14.75*	*112-84-5*	*10/24/15 08:38*	*11/02/15 08:20*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*14.95*		*10/24/15 08:38*	*11/02/15 08:20*	*1*
Unknown	*12*	*T J*	*ug/L*		*14.99*		*10/24/15 08:38*	*11/02/15 08:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*52 - 132*	*10/24/15 08:38*	*11/02/15 08:20*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*10/24/15 08:38*	*11/02/15 08:20*	*1*
2-Fluorophenol (Surr)	*51*		*20 - 120*	*10/24/15 08:38*	*11/02/15 08:20*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*10/24/15 08:38*	*11/02/15 08:20*	*1*
Phenol-d5 (Surr)	*37*		*16 - 120*	*10/24/15 08:38*	*11/02/15 08:20*	*1*
p-Terphenyl-d14 (Surr)	*95*		*67 - 150*	*10/24/15 08:38*	*11/02/15 08:20*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:30	10/23/15 02:32	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:30	10/23/15 02:32	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:30	10/23/15 02:32	1
Barium	**0.18**		0.0020	0.00070	mg/L		10/22/15 11:30	10/23/15 02:32	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-18-F-102115
Date Collected: 10/21/15 14:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-30
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:30	10/23/15 02:32	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:30	10/23/15 02:32	1
Calcium	**261**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 02:32	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:30	10/23/15 02:32	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:30	10/23/15 02:32	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:30	10/23/15 02:32	1
Iron	ND		0.050	0.019	mg/L		10/22/15 11:30	10/23/15 02:32	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:30	10/23/15 02:32	1
Magnesium	ND		0.20	0.043	mg/L		10/22/15 11:30	10/23/15 02:32	1
Manganese	ND		0.0030	0.00040	mg/L		10/22/15 11:30	10/23/15 02:32	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:30	10/23/15 02:32	1
Potassium	**29.1**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 02:32	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:30	10/23/15 02:32	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:30	10/23/15 02:32	1
Sodium	**41.4**		1.0	0.32	mg/L		10/22/15 11:30	10/23/15 02:32	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:30	10/23/15 02:32	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:30	10/23/15 02:32	1
Zinc	ND	^	0.010	0.0015	mg/L		10/22/15 11:30	10/23/15 02:32	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-22-102115
Date Collected: 10/21/15 14:45
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-31
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/24/15 08:38	11/02/15 21:09	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		10/24/15 08:38	11/02/15 21:09	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/24/15 08:38	11/02/15 21:09	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/24/15 08:38	11/02/15 21:09	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/24/15 08:38	11/02/15 21:09	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/24/15 08:38	11/02/15 21:09	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/24/15 08:38	11/02/15 21:09	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/24/15 08:38	11/02/15 21:09	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/24/15 08:38	11/02/15 21:09	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/24/15 08:38	11/02/15 21:09	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/24/15 08:38	11/02/15 21:09	1
2-Nitroaniline	ND		10	0.43	ug/L		10/24/15 08:38	11/02/15 21:09	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/24/15 08:38	11/02/15 21:09	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/24/15 08:38	11/02/15 21:09	1
3-Nitroaniline	ND		10	0.49	ug/L		10/24/15 08:38	11/02/15 21:09	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/24/15 08:38	11/02/15 21:09	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/24/15 08:38	11/02/15 21:09	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/24/15 08:38	11/02/15 21:09	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/24/15 08:38	11/02/15 21:09	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/24/15 08:38	11/02/15 21:09	1
4-Methylphenol	ND		10	0.37	ug/L		10/24/15 08:38	11/02/15 21:09	1
4-Nitroaniline	ND		10	0.26	ug/L		10/24/15 08:38	11/02/15 21:09	1
4-Nitrophenol	ND		10	1.6	ug/L		10/24/15 08:38	11/02/15 21:09	1
Acenaphthene	ND		5.1	0.42	ug/L		10/24/15 08:38	11/02/15 21:09	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/24/15 08:38	11/02/15 21:09	1
Acetophenone	ND		5.1	0.55	ug/L		10/24/15 08:38	11/02/15 21:09	1
Anthracene	ND		5.1	0.29	ug/L		10/24/15 08:38	11/02/15 21:09	1
Atrazine	ND		5.1	0.47	ug/L		10/24/15 08:38	11/02/15 21:09	1
Benzaldehyde	**0.33**	**J**	5.1	0.27	ug/L		10/24/15 08:38	11/02/15 21:09	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/24/15 08:38	11/02/15 21:09	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/24/15 08:38	11/02/15 21:09	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/24/15 08:38	11/02/15 21:09	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/24/15 08:38	11/02/15 21:09	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/24/15 08:38	11/02/15 21:09	1
Biphenyl	ND		5.1	0.67	ug/L		10/24/15 08:38	11/02/15 21:09	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/24/15 08:38	11/02/15 21:09	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/24/15 08:38	11/02/15 21:09	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/24/15 08:38	11/02/15 21:09	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/24/15 08:38	11/02/15 21:09	1
Butyl benzyl phthalate	**0.66**	**J B**	5.1	0.43	ug/L		10/24/15 08:38	11/02/15 21:09	1
Caprolactam	ND		5.1	2.3	ug/L		10/24/15 08:38	11/02/15 21:09	1
Carbazole	ND		5.1	0.31	ug/L		10/24/15 08:38	11/02/15 21:09	1
Chrysene	ND		5.1	0.34	ug/L		10/24/15 08:38	11/02/15 21:09	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/24/15 08:38	11/02/15 21:09	1
Dibenzofuran	ND		10	0.52	ug/L		10/24/15 08:38	11/02/15 21:09	1
Diethyl phthalate	ND		5.1	0.23	ug/L		10/24/15 08:38	11/02/15 21:09	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/24/15 08:38	11/02/15 21:09	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/24/15 08:38	11/02/15 21:09	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/24/15 08:38	11/02/15 21:09	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-22-102115
Date Collected: 10/21/15 14:45
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-31
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/24/15 08:38	11/02/15 21:09	1
Fluorene	ND		5.1	0.37	ug/L		10/24/15 08:38	11/02/15 21:09	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/24/15 08:38	11/02/15 21:09	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/24/15 08:38	11/02/15 21:09	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/24/15 08:38	11/02/15 21:09	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/24/15 08:38	11/02/15 21:09	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/24/15 08:38	11/02/15 21:09	1
Isophorone	ND		5.1	0.44	ug/L		10/24/15 08:38	11/02/15 21:09	1
Naphthalene	ND		5.1	0.78	ug/L		10/24/15 08:38	11/02/15 21:09	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/24/15 08:38	11/02/15 21:09	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/24/15 08:38	11/02/15 21:09	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/24/15 08:38	11/02/15 21:09	1
Pentachlorophenol	ND		10	2.3	ug/L		10/24/15 08:38	11/02/15 21:09	1
Phenanthrene	**0.55**	**J**	5.1	0.45	ug/L		10/24/15 08:38	11/02/15 21:09	1
Phenol	ND		5.1	0.40	ug/L		10/24/15 08:38	11/02/15 21:09	1
Pyrene	ND		5.1	0.35	ug/L		10/24/15 08:38	11/02/15 21:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*36*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/24/15 08:38*	*11/02/15 21:09*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.72*		*10/24/15 08:38*	*11/02/15 21:09*	*1*
Unknown	*68*	*T J*	*ug/L*		*5.45*		*10/24/15 08:38*	*11/02/15 21:09*	*1*
Decane	*3.4*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/24/15 08:38*	*11/02/15 21:09*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*8.31*		*10/24/15 08:38*	*11/02/15 21:09*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*10.76*		*10/24/15 08:38*	*11/02/15 21:09*	*1*
Unknown	*12*	*T J*	*ug/L*		*11.74*		*10/24/15 08:38*	*11/02/15 21:09*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*12.35*		*10/24/15 08:38*	*11/02/15 21:09*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*13.25*		*10/24/15 08:38*	*11/02/15 21:09*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*14.95*		*10/24/15 08:38*	*11/02/15 21:09*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*16.75*		*10/24/15 08:38*	*11/02/15 21:09*	*1*
Stigmasterol	*5.1*	*T J N*	*ug/L*		*18.28*	*83-48-7*	*10/24/15 08:38*	*11/02/15 21:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*52 - 132*	*10/24/15 08:38*	*11/02/15 21:09*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*10/24/15 08:38*	*11/02/15 21:09*	*1*
2-Fluorophenol (Surr)	*55*		*20 - 120*	*10/24/15 08:38*	*11/02/15 21:09*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 120*	*10/24/15 08:38*	*11/02/15 21:09*	*1*
Phenol-d5 (Surr)	*40*		*16 - 120*	*10/24/15 08:38*	*11/02/15 21:09*	*1*
p-Terphenyl-d14 (Surr)	*97*		*67 - 150*	*10/24/15 08:38*	*11/02/15 21:09*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:30	10/23/15 02:35	1
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:30	10/23/15 02:35	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:30	10/23/15 02:35	1
Barium	**0.031**		0.0020	0.00070	mg/L		10/22/15 11:30	10/23/15 02:35	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:30	10/23/15 02:35	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:30	10/23/15 02:35	1
Calcium	**35.1**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 02:35	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:30	10/23/15 02:35	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:30	10/23/15 02:35	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-22-102115
Date Collected: 10/21/15 14:45
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-31
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0023	J	0.010	0.0016	mg/L		10/22/15 11:30	10/23/15 02:35	1
Iron	0.61		0.050	0.019	mg/L		10/22/15 11:30	10/23/15 02:35	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:30	10/23/15 02:35	1
Magnesium	0.92		0.20	0.043	mg/L		10/22/15 11:30	10/23/15 02:35	1
Manganese	0.23		0.0030	0.00040	mg/L		10/22/15 11:30	10/23/15 02:35	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:30	10/23/15 02:35	1
Potassium	4.3		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 02:35	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:30	10/23/15 02:35	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:30	10/23/15 02:35	1
Sodium	21.8		1.0	0.32	mg/L		10/22/15 11:30	10/23/15 02:35	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:30	10/23/15 02:35	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:30	10/23/15 02:35	1
Zinc	0.0039	J ^	0.010	0.0015	mg/L		10/22/15 11:30	10/23/15 02:35	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-22-F-102115
Date Collected: 10/21/15 14:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-32
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/24/15 08:38	11/02/15 21:38	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		10/24/15 08:38	11/02/15 21:38	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/24/15 08:38	11/02/15 21:38	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/24/15 08:38	11/02/15 21:38	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/24/15 08:38	11/02/15 21:38	1
2,4-Dinitrotoluene	ND		5.1	0.45	ug/L		10/24/15 08:38	11/02/15 21:38	1
2,6-Dinitrotoluene	ND		5.1	0.40	ug/L		10/24/15 08:38	11/02/15 21:38	1
2-Chloronaphthalene	ND		5.1	0.46	ug/L		10/24/15 08:38	11/02/15 21:38	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/24/15 08:38	11/02/15 21:38	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/24/15 08:38	11/02/15 21:38	1
2-Methylphenol	ND		5.1	0.40	ug/L		10/24/15 08:38	11/02/15 21:38	1
2-Nitroaniline	ND		10	0.42	ug/L		10/24/15 08:38	11/02/15 21:38	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/24/15 08:38	11/02/15 21:38	1
3,3'-Dichlorobenzidine	ND		5.1	0.40	ug/L		10/24/15 08:38	11/02/15 21:38	1
3-Nitroaniline	ND		10	0.49	ug/L		10/24/15 08:38	11/02/15 21:38	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/24/15 08:38	11/02/15 21:38	1
4-Bromophenyl phenyl ether	ND		5.1	0.45	ug/L		10/24/15 08:38	11/02/15 21:38	1
4-Chloro-3-methylphenol	ND		5.1	0.45	ug/L		10/24/15 08:38	11/02/15 21:38	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/24/15 08:38	11/02/15 21:38	1
4-Chlorophenyl phenyl ether	ND		5.1	0.35	ug/L		10/24/15 08:38	11/02/15 21:38	1
4-Methylphenol	**0.41**	**J**	10	0.36	ug/L		10/24/15 08:38	11/02/15 21:38	1
4-Nitroaniline	ND		10	0.25	ug/L		10/24/15 08:38	11/02/15 21:38	1
4-Nitrophenol	**1.6**	**J**	10	1.5	ug/L		10/24/15 08:38	11/02/15 21:38	1
Acenaphthene	ND		5.1	0.41	ug/L		10/24/15 08:38	11/02/15 21:38	1
Acenaphthylene	ND		5.1	0.38	ug/L		10/24/15 08:38	11/02/15 21:38	1
Acetophenone	ND		5.1	0.55	ug/L		10/24/15 08:38	11/02/15 21:38	1
Anthracene	ND		5.1	0.28	ug/L		10/24/15 08:38	11/02/15 21:38	1
Atrazine	ND		5.1	0.46	ug/L		10/24/15 08:38	11/02/15 21:38	1
Benzaldehyde	**0.34**	**J**	5.1	0.27	ug/L		10/24/15 08:38	11/02/15 21:38	1
Benzo[a]anthracene	ND		5.1	0.36	ug/L		10/24/15 08:38	11/02/15 21:38	1
Benzo[a]pyrene	ND		5.1	0.47	ug/L		10/24/15 08:38	11/02/15 21:38	1
Benzo[b]fluoranthene	ND		5.1	0.34	ug/L		10/24/15 08:38	11/02/15 21:38	1
Benzo[g,h,i]perylene	ND		5.1	0.35	ug/L		10/24/15 08:38	11/02/15 21:38	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		10/24/15 08:38	11/02/15 21:38	1
Biphenyl	ND		5.1	0.66	ug/L		10/24/15 08:38	11/02/15 21:38	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/24/15 08:38	11/02/15 21:38	1
Bis(2-chloroethoxy)methane	ND		5.1	0.35	ug/L		10/24/15 08:38	11/02/15 21:38	1
Bis(2-chloroethyl)ether	ND		5.1	0.40	ug/L		10/24/15 08:38	11/02/15 21:38	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/24/15 08:38	11/02/15 21:38	1
Butyl benzyl phthalate	**0.69**	**J B**	5.1	0.42	ug/L		10/24/15 08:38	11/02/15 21:38	1
Caprolactam	ND		5.1	2.2	ug/L		10/24/15 08:38	11/02/15 21:38	1
Carbazole	ND		5.1	0.30	ug/L		10/24/15 08:38	11/02/15 21:38	1
Chrysene	ND		5.1	0.33	ug/L		10/24/15 08:38	11/02/15 21:38	1
Dibenz(a,h)anthracene	ND		5.1	0.42	ug/L		10/24/15 08:38	11/02/15 21:38	1
Dibenzofuran	ND		10	0.52	ug/L		10/24/15 08:38	11/02/15 21:38	1
Diethyl phthalate	ND		5.1	0.22	ug/L		10/24/15 08:38	11/02/15 21:38	1
Dimethyl phthalate	ND		5.1	0.36	ug/L		10/24/15 08:38	11/02/15 21:38	1
Di-n-butyl phthalate	**0.54**	**J**	5.1	0.31	ug/L		10/24/15 08:38	11/02/15 21:38	1
Di-n-octyl phthalate	ND		5.1	0.47	ug/L		10/24/15 08:38	11/02/15 21:38	1

Client Sample ID: CB-22-F-102115

Date Collected: 10/21/15 14:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-32

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.40	ug/L		10/24/15 08:38	11/02/15 21:38	1
Fluorene	ND		5.1	0.36	ug/L		10/24/15 08:38	11/02/15 21:38	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/24/15 08:38	11/02/15 21:38	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		10/24/15 08:38	11/02/15 21:38	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/24/15 08:38	11/02/15 21:38	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/24/15 08:38	11/02/15 21:38	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.47	ug/L		10/24/15 08:38	11/02/15 21:38	1
Isophorone	ND		5.1	0.43	ug/L		10/24/15 08:38	11/02/15 21:38	1
Naphthalene	ND		5.1	0.77	ug/L		10/24/15 08:38	11/02/15 21:38	1
Nitrobenzene	ND		5.1	0.29	ug/L		10/24/15 08:38	11/02/15 21:38	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/24/15 08:38	11/02/15 21:38	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/24/15 08:38	11/02/15 21:38	1
Pentachlorophenol	ND		10	2.2	ug/L		10/24/15 08:38	11/02/15 21:38	1
Phenanthrene	**0.69**	**J**	5.1	0.44	ug/L		10/24/15 08:38	11/02/15 21:38	1
Phenol	ND		5.1	0.39	ug/L		10/24/15 08:38	11/02/15 21:38	1
Pyrene	ND		5.1	0.34	ug/L		10/24/15 08:38	11/02/15 21:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentane, methyl-	*19*	*T J N*	*ug/L*		*3.13*	*96-37-7*	*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*8.8*	*T J*	*ug/L*		*3.29*		*10/24/15 08:38*	*11/02/15 21:38*	*1*
Cyclohexane	*48*	*T J N*	*ug/L*		*3.56*	*110-82-7*	*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*160*	*T J*	*ug/L*		*3.71*		*10/24/15 08:38*	*11/02/15 21:38*	*1*
Formamide, N,N-dimethyl-	*3.3*	*T J N*	*ug/L*		*4.82*	*68-12-2*	*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*5.1*	*T J*	*ug/L*		*5.44*		*10/24/15 08:38*	*11/02/15 21:38*	*1*
Decane	*3.7*	*T J N*	*ug/L*		*6.69*	*124-18-5*	*10/24/15 08:38*	*11/02/15 21:38*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*8.6*	*T J N*	*ug/L*		*9.37*	*96-76-4*	*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*11*	*T J*	*ug/L*		*10.76*		*10/24/15 08:38*	*11/02/15 21:38*	*1*
n-Hexadecanoic acid	*6.3*	*T J N*	*ug/L*		*11.06*	*57-10-3*	*10/24/15 08:38*	*11/02/15 21:38*	*1*
Diphenyl sulfone	*3.5*	*T J N*	*ug/L*		*11.16*	*127-63-9*	*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*11.32*		*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*30*	*T J*	*ug/L*		*11.73*		*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*11*	*T J*	*ug/L*		*12.35*		*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*19*	*T J*	*ug/L*		*12.80*		*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*13.25*		*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*12*	*T J*	*ug/L*		*14.08*		*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*6.4*	*T J*	*ug/L*		*14.62*		*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*35*	*T J*	*ug/L*		*14.99*		*10/24/15 08:38*	*11/02/15 21:38*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*16.51*		*10/24/15 08:38*	*11/02/15 21:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*52 - 132*	*10/24/15 08:38*	*11/02/15 21:38*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*10/24/15 08:38*	*11/02/15 21:38*	*1*
2-Fluorophenol (Surr)	*55*		*20 - 120*	*10/24/15 08:38*	*11/02/15 21:38*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*	*10/24/15 08:38*	*11/02/15 21:38*	*1*
Phenol-d5 (Surr)	*37*		*16 - 120*	*10/24/15 08:38*	*11/02/15 21:38*	*1*
p-Terphenyl-d14 (Surr)	*104*		*67 - 150*	*10/24/15 08:38*	*11/02/15 21:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/22/15 11:30	10/23/15 02:38	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-22-F-102115
Date Collected: 10/21/15 14:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-32
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/22/15 11:30	10/23/15 02:38	1
Arsenic	ND		0.015	0.0056	mg/L		10/22/15 11:30	10/23/15 02:38	1
Barium	**0.028**		0.0020	0.00070	mg/L		10/22/15 11:30	10/23/15 02:38	1
Beryllium	ND		0.0020	0.00030	mg/L		10/22/15 11:30	10/23/15 02:38	1
Cadmium	ND		0.0020	0.00050	mg/L		10/22/15 11:30	10/23/15 02:38	1
Calcium	**35.1**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 02:38	1
Chromium	ND		0.0040	0.0010	mg/L		10/22/15 11:30	10/23/15 02:38	1
Cobalt	ND		0.0040	0.00063	mg/L		10/22/15 11:30	10/23/15 02:38	1
Copper	ND		0.010	0.0016	mg/L		10/22/15 11:30	10/23/15 02:38	1
Iron	**0.20**		0.050	0.019	mg/L		10/22/15 11:30	10/23/15 02:38	1
Lead	ND		0.010	0.0030	mg/L		10/22/15 11:30	10/23/15 02:38	1
Magnesium	**0.89**		0.20	0.043	mg/L		10/22/15 11:30	10/23/15 02:38	1
Manganese	**0.23**		0.0030	0.00040	mg/L		10/22/15 11:30	10/23/15 02:38	1
Nickel	ND		0.010	0.0013	mg/L		10/22/15 11:30	10/23/15 02:38	1
Potassium	**4.2**		0.50	0.10	mg/L		10/22/15 11:30	10/23/15 02:38	1
Selenium	ND		0.025	0.0087	mg/L		10/22/15 11:30	10/23/15 02:38	1
Silver	ND		0.0060	0.0017	mg/L		10/22/15 11:30	10/23/15 02:38	1
Sodium	**21.8**		1.0	0.32	mg/L		10/22/15 11:30	10/23/15 02:38	1
Thallium	ND		0.020	0.010	mg/L		10/22/15 11:30	10/23/15 02:38	1
Vanadium	ND		0.0050	0.0015	mg/L		10/22/15 11:30	10/23/15 02:38	1
Zinc	**0.057**		0.010	0.0015	mg/L		10/22/15 11:30	10/23/15 09:48	1

Client Sample ID: CB-05-102115

Lab Sample ID: 480-89590-21

Date Collected: 10/21/15 08:55

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270866	10/24/15 08:38	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272432	11/02/15 04:27	LMW	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 16:58	AMH	TAL BUF

Client Sample ID: CB-05-F-102115

Lab Sample ID: 480-89590-22

Date Collected: 10/21/15 09:00

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270866	10/24/15 08:38	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272432	11/02/15 04:56	LMW	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 17:01	AMH	TAL BUF

Client Sample ID: CB-06-102115

Lab Sample ID: 480-89590-23

Date Collected: 10/21/15 10:00

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270866	10/24/15 08:38	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272432	11/02/15 05:25	LMW	TAL BUF
Total/NA	Prep	3005A			270360	10/22/15 11:22	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270582	10/22/15 17:04	AMH	TAL BUF

Client Sample ID: CB-06-F-102115

Lab Sample ID: 480-89590-24

Date Collected: 10/21/15 10:05

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270866	10/24/15 08:38	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272432	11/02/15 05:54	LMW	TAL BUF
Total/NA	Prep	3005A			270362	10/22/15 11:30	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270585	10/23/15 01:51	AMH	TAL BUF

Client Sample ID: CB-20-102115

Lab Sample ID: 480-89590-25

Date Collected: 10/21/15 10:50

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270866	10/24/15 08:38	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272432	11/02/15 06:23	LMW	TAL BUF
Total/NA	Prep	3005A			270362	10/22/15 11:30	CNS	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-20-102115
Date Collected: 10/21/15 10:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	270585	10/23/15 01:54	AMH	TAL BUF

Client Sample ID: CB-20-F-102115
Date Collected: 10/21/15 11:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270866	10/24/15 08:38	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272432	11/02/15 06:52	LMW	TAL BUF
Total/NA	Prep	3005A			270362	10/22/15 11:30	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270585	10/23/15 01:57	AMH	TAL BUF

Client Sample ID: CB-21-102115
Date Collected: 10/21/15 12:50
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270865	10/24/15 08:34	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272542	11/02/15 16:48	DMR	TAL BUF
Total/NA	Prep	3005A			270362	10/22/15 11:30	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270585	10/23/15 02:00	AMH	TAL BUF

Client Sample ID: CB-21-F-102115
Date Collected: 10/21/15 13:10
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-28
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270866	10/24/15 08:38	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272432	11/02/15 07:21	LMW	TAL BUF
Total/NA	Prep	3005A			270362	10/22/15 11:30	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270585	10/23/15 02:25	AMH	TAL BUF

Client Sample ID: CB-18-102115
Date Collected: 10/21/15 14:00
Date Received: 10/21/15 17:00

Lab Sample ID: 480-89590-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270866	10/24/15 08:38	RMZ	TAL BUF
Total/NA	Analysis	8270D		5	272605	11/02/15 22:07	LMW	TAL BUF
Total/NA	Prep	3005A			270362	10/22/15 11:30	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270585	10/23/15 02:29	AMH	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Client Sample ID: CB-18-F-102115

Lab Sample ID: 480-89590-30

Date Collected: 10/21/15 14:10

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270866	10/24/15 08:38	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272432	11/02/15 08:20	LMW	TAL BUF
Total/NA	Prep	3005A			270362	10/22/15 11:30	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270585	10/23/15 02:32	AMH	TAL BUF

Client Sample ID: CB-22-102115

Lab Sample ID: 480-89590-31

Date Collected: 10/21/15 14:45

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270866	10/24/15 08:38	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272605	11/02/15 21:09	LMW	TAL BUF
Total/NA	Prep	3005A			270362	10/22/15 11:30	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270585	10/23/15 02:35	AMH	TAL BUF

Client Sample ID: CB-22-F-102115

Lab Sample ID: 480-89590-32

Date Collected: 10/21/15 14:50

Matrix: Water

Date Received: 10/21/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			270866	10/24/15 08:38	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	272605	11/02/15 21:38	LMW	TAL BUF
Total/NA	Prep	3005A			270362	10/22/15 11:30	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270585	10/23/15 02:38	AMH	TAL BUF
Total/NA	Prep	3005A			270362	10/22/15 11:30	CNS	TAL BUF
Total/NA	Analysis	6010C		1	270683	10/23/15 09:48	AMH	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89590-21	CB-05-102115	Water	10/21/15 08:55	10/21/15 17:00
480-89590-22	CB-05-F-102115	Water	10/21/15 09:00	10/21/15 17:00
480-89590-23	CB-06-102115	Water	10/21/15 10:00	10/21/15 17:00
480-89590-24	CB-06-F-102115	Water	10/21/15 10:05	10/21/15 17:00
480-89590-25	CB-20-102115	Water	10/21/15 10:50	10/21/15 17:00
480-89590-26	CB-20-F-102115	Water	10/21/15 11:00	10/21/15 17:00
480-89590-27	CB-21-102115	Water	10/21/15 12:50	10/21/15 17:00
480-89590-28	CB-21-F-102115	Water	10/21/15 13:10	10/21/15 17:00
480-89590-29	CB-18-102115	Water	10/21/15 14:00	10/21/15 17:00
480-89590-30	CB-18-F-102115	Water	10/21/15 14:10	10/21/15 17:00
480-89590-31	CB-22-102115	Water	10/21/15 14:45	10/21/15 17:00
480-89590-32	CB-22-F-102115	Water	10/21/15 14:50	10/21/15 17:00

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmeri

THE LEADER IN ENVIRONMENTAL

480-89590 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Picunas	10/21/15	292040
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 3**
11 British American Blvd.	518-782 4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Buffalo, Lakeside Commerce Park (NY)			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL ME. 6010C	Special Instructions/ Conditions of Receipt
CB-29-102115	10/21/15	840		Y			2		1				X	Y	
CB-29-F-102115	"	845		Y			2		1				Y	Y	
CB-14-102115	"	930		Y			2		1				Y	Y	
CB-14-F-102115	"	933		Y			2		1				Y	Y	
CB-11-102115	"	1010		Y			2		1				Y	Y	
CB-11-F-102115	"	1013		Y			2		1				Y	Y	
CB-MS-01-102115	"	1020		Y			2		1				Y	Y	
CB-MSD-01-102115	"	1020		Y			2		1				Y	Y	
CB-10-102115	"	1130		Y			2		1				Y	Y	
CB-10-F-102115	"	1133		Y			2		1				Y	Y	
CB-19-102115	"	1200		Y			2		1				Y	Y	
CB-19-F-102115	"	1203		Y			2		1				Y	Y	

Possible Hazard Identification

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	LIA ESTRADA	10/21/15	1622		10/21/15	16:22
2.		10/21/15	17:00		10/21/15	1700
3.						

Comments

#1 3.0, 3.2, 3.4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Sapa		10/21/15	292039
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 3
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL Met. 6010C
CB-25-102115	~~10/21/15~~	1240		X			2		1				X	X
CB-25-F-102115	10/21/15	1243		X			2		1				X	X
CB-24-102115	"	1335		X			2		1				X	X
CB-24-F-102115	"	1338		X			2		1				X	X
CB-23-102115	"	1410		X			2		1				X	X
CB-23-F-102115	"	1413		X			2		1				X	X
CB-DUP-02-102115	"	1413		X			2		1				X	X
CB-08-102115	"	1435		X			2		1				X	X
CB-08-F-102115	"	1438		X			2		1				X	X
FB-102115	"	1550		X			2		1				X	X
CB-05-102115	"	855		X			2		1				X	X
CB-05-F-102115	"	900		X			2		1				X	X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	LIA ESTRADA	10/21/15	1622		10/21/15	16:22
2.		10/21/15	17:00		10/21/15	1700
3.		Date	Time		Date	Time

Comments

13.0, 3.2, 3.4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
	Same	10/21/15	292041
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 3
Same			
City / State / Zip Code	Site Contact	Lab Contact	
Same			
Project Name and Location (State)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL Metal 6010C
CB-06-102115	10/21/15	1000		X			2		1				X	X
CB-06-F-102115	"	1005		X			2		1				X	X
CB-20-102115	"	1050		X			2		1				X	X
CB-20-F-102115	"	1100		X			2		1				X	X
CB-21-102115	"	1250		X			2		1				X	X
CB-MS-02-102115	"	1300		X			2		1				X	X
CB-MSD-02-102115	"	1300		X			2		1				X	X
CB-21-F-102115	"	1310		X			2		1				X	X
CB-18-102115	"	1400		X			2		1				X	X
CB-18-F-102115	"	1410		X			2		1				X	X
CB-22-102115	"	1445		X			2		1				X	X
CB-22-F-102115	"	1450		X			2		1				X	X

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: IA ESTRADA	10/21/15	1622	1. Received By:	10/21/15	16:22
2. Relinquished By:	10/21/15	17:00	2. Received By:	10/21/15	1700
3. Relinquished By:			3. Received By:		

Comments

#1 3.0, 3.2, 3.4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-89590-2

Login Number: 89590
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89685-1
Client Project/Site: Buffalo Lakeside #915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Authorized for release by:
11/5/2015 11:44:42 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
11/5/2015 11:44:42 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Job ID: 480-89685-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89685-1

Receipt
The samples were received on 10/22/2015 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 3.4º C, 3.9º C and 4.1º C.

Receipt Exceptions
Matrix QC was logged based upon order of the COC, as times do not match up.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-272753 was outside the method criteria for the following analytes: Bis(2-chloroethoxy)methane and N-Nitrosodi-n-propylamine. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes are considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-273052 recovered above the upper control limit for 2,4-Dinitrophenol. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data has been reported. The following samples are impacted: CB-DUP-03-102215 (480-89685-16), CB-03-102215 (480-89685-17), CB-03-F-102215 (480-89685-18), CB-04-102215 (480-89685-19) and CB-04-F-102215 (480-89685-20).

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-273052 was outside the method criteria for the following analytes: Bis(2-chloroethoxy)methane, Isophorone, N-Nitrosodi-n-propylamine and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes are considered estimated.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-272964 was outside the method criteria for the following analytes: 2,2-oxybis[1-chloropropane] and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes are considered estimated.

Method(s) 8270D: The initial calibration curve analyzed in analytical batch 272186 was outside method criteria for the analytes Benzaldehyde, Isophorone, 4-Chloroaniline and 2,4-Dinitrophenol. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analytes is considered an estimated concentration.

Method(s) 8270D: The minimum response factor (RF) criteria for the initial calibration (ICAL) analyzed in analytical batch 272186 was outside criteria for the analytes N-Nitrosodi-n-propylamine and Bis(2-chloroethoxy)methane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analytes is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-07-102215
Date Collected: 10/22/15 08:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/27/15 14:05	11/04/15 03:24	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		10/27/15 14:05	11/04/15 03:24	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/27/15 14:05	11/04/15 03:24	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/27/15 14:05	11/04/15 03:24	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 03:24	1
2,4-Dinitrotoluene	ND		5.2	0.46	ug/L		10/27/15 14:05	11/04/15 03:24	1
2,6-Dinitrotoluene	ND		5.2	0.41	ug/L		10/27/15 14:05	11/04/15 03:24	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		10/27/15 14:05	11/04/15 03:24	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/27/15 14:05	11/04/15 03:24	1
2-Methylnaphthalene	ND		5.2	0.62	ug/L		10/27/15 14:05	11/04/15 03:24	1
2-Methylphenol	ND		5.2	0.41	ug/L		10/27/15 14:05	11/04/15 03:24	1
2-Nitroaniline	ND		10	0.44	ug/L		10/27/15 14:05	11/04/15 03:24	1
2-Nitrophenol	ND		5.2	0.50	ug/L		10/27/15 14:05	11/04/15 03:24	1
3,3'-Dichlorobenzidine	ND		5.2	0.41	ug/L		10/27/15 14:05	11/04/15 03:24	1
3-Nitroaniline	ND		10	0.50	ug/L		10/27/15 14:05	11/04/15 03:24	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 03:24	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		10/27/15 14:05	11/04/15 03:24	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		10/27/15 14:05	11/04/15 03:24	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/27/15 14:05	11/04/15 03:24	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		10/27/15 14:05	11/04/15 03:24	1
4-Methylphenol	ND		10	0.37	ug/L		10/27/15 14:05	11/04/15 03:24	1
4-Nitroaniline	ND		10	0.26	ug/L		10/27/15 14:05	11/04/15 03:24	1
4-Nitrophenol	ND		10	1.6	ug/L		10/27/15 14:05	11/04/15 03:24	1
Acenaphthene	ND		5.2	0.42	ug/L		10/27/15 14:05	11/04/15 03:24	1
Acenaphthylene	ND		5.2	0.39	ug/L		10/27/15 14:05	11/04/15 03:24	1
Acetophenone	ND		5.2	0.56	ug/L		10/27/15 14:05	11/04/15 03:24	1
Anthracene	ND		5.2	0.29	ug/L		10/27/15 14:05	11/04/15 03:24	1
Atrazine	ND		5.2	0.48	ug/L		10/27/15 14:05	11/04/15 03:24	1
Benzaldehyde	**0.51**	**J B**	5.2	0.28	ug/L		10/27/15 14:05	11/04/15 03:24	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		10/27/15 14:05	11/04/15 03:24	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		10/27/15 14:05	11/04/15 03:24	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/27/15 14:05	11/04/15 03:24	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		10/27/15 14:05	11/04/15 03:24	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		10/27/15 14:05	11/04/15 03:24	1
Biphenyl	ND		5.2	0.68	ug/L		10/27/15 14:05	11/04/15 03:24	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/27/15 14:05	11/04/15 03:24	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		10/27/15 14:05	11/04/15 03:24	1
Bis(2-chloroethyl)ether	ND		5.2	0.41	ug/L		10/27/15 14:05	11/04/15 03:24	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/27/15 14:05	11/04/15 03:24	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		10/27/15 14:05	11/04/15 03:24	1
Caprolactam	ND		5.2	2.3	ug/L		10/27/15 14:05	11/04/15 03:24	1
Carbazole	ND		5.2	0.31	ug/L		10/27/15 14:05	11/04/15 03:24	1
Chrysene	ND		5.2	0.34	ug/L		10/27/15 14:05	11/04/15 03:24	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		10/27/15 14:05	11/04/15 03:24	1
Dibenzofuran	ND		10	0.53	ug/L		10/27/15 14:05	11/04/15 03:24	1
Diethyl phthalate	ND		5.2	0.23	ug/L		10/27/15 14:05	11/04/15 03:24	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		10/27/15 14:05	11/04/15 03:24	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		10/27/15 14:05	11/04/15 03:24	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		10/27/15 14:05	11/04/15 03:24	1

Client Sample ID: CB-07-102215
Date Collected: 10/22/15 08:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.41	ug/L		10/27/15 14:05	11/04/15 03:24	1
Fluorene	ND		5.2	0.37	ug/L		10/27/15 14:05	11/04/15 03:24	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/27/15 14:05	11/04/15 03:24	1
Hexachlorobutadiene	ND		5.2	0.70	ug/L		10/27/15 14:05	11/04/15 03:24	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/27/15 14:05	11/04/15 03:24	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/27/15 14:05	11/04/15 03:24	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		10/27/15 14:05	11/04/15 03:24	1
Isophorone	ND		5.2	0.45	ug/L		10/27/15 14:05	11/04/15 03:24	1
Naphthalene	ND		5.2	0.79	ug/L		10/27/15 14:05	11/04/15 03:24	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/27/15 14:05	11/04/15 03:24	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/27/15 14:05	11/04/15 03:24	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/27/15 14:05	11/04/15 03:24	1
Pentachlorophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 03:24	1
Phenanthrene	ND		5.2	0.46	ug/L		10/27/15 14:05	11/04/15 03:24	1
Phenol	ND		5.2	0.40	ug/L		10/27/15 14:05	11/04/15 03:24	1
Pyrene	ND		5.2	0.35	ug/L		10/27/15 14:05	11/04/15 03:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.9*	*T J*	*ug/L*		*3.11*		*10/27/15 14:05*	*11/04/15 03:24*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 03:24*	*1*
Decane	*2.7*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 03:24*	*1*
Cyclopentasiloxane, decamethyl-	*2.3*	*T J N*	*ug/L*		*6.94*	*541-02-6*	*10/27/15 14:05*	*11/04/15 03:24*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.2*	*T J N*	*ug/L*		*7.82*	*540-97-6*	*10/27/15 14:05*	*11/04/15 03:24*	*1*
Benzothiazole, 2-(methylthio)-	*2.2*	*T J N*	*ug/L*		*9.31*	*615-22-5*	*10/27/15 14:05*	*11/04/15 03:24*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*10.15*		*10/27/15 14:05*	*11/04/15 03:24*	*1*
Unknown	*16*	*T J*	*ug/L*		*11.05*		*10/27/15 14:05*	*11/04/15 03:24*	*1*
Octadecanoic acid	*6.0*	*T J N*	*ug/L*		*11.11*	*57-11-4*	*10/27/15 14:05*	*11/04/15 03:24*	*1*
Unknown	*5.2*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 03:24*	*1*
Unknown	*27*	*T J*	*ug/L*		*11.94*		*10/27/15 14:05*	*11/04/15 03:24*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 03:24*	*1*
Unknown	*11*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 03:24*	*1*
Unknown	*7.1*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 03:24*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 03:24*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 03:24*	*1*
Unknown	*14*	*T J*	*ug/L*		*14.94*		*10/27/15 14:05*	*11/04/15 03:24*	*1*
Cholesterol	*4.0*	*T J N*	*ug/L*		*15.31*	*57-88-5*	*10/27/15 14:05*	*11/04/15 03:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*52 - 132*	*10/27/15 14:05*	*11/04/15 03:24*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*10/27/15 14:05*	*11/04/15 03:24*	*1*
2-Fluorophenol (Surr)	*64*		*20 - 120*	*10/27/15 14:05*	*11/04/15 03:24*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 120*	*10/27/15 14:05*	*11/04/15 03:24*	*1*
Phenol-d5 (Surr)	*48*		*16 - 120*	*10/27/15 14:05*	*11/04/15 03:24*	*1*
p-Terphenyl-d14 (Surr)	*85*		*67 - 150*	*10/27/15 14:05*	*11/04/15 03:24*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.16**	**J**	0.20	0.060	mg/L		10/23/15 11:33	10/24/15 11:40	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 11:40	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 11:40	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-07-102215
Date Collected: 10/22/15 08:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.027**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 11:40	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 11:40	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 11:40	1
Calcium	**45.1**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 11:40	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 11:40	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 11:40	1
Copper	**0.0019**	**J**	0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 11:40	1
Iron	**0.42**		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 11:40	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 11:40	1
Magnesium	**7.0**		0.20	0.043	mg/L		10/23/15 11:33	10/24/15 11:40	1
Manganese	**0.11**		0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 11:40	1
Nickel	**0.0015**	**J**	0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 11:40	1
Potassium	**37.8**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 11:40	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 11:40	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 11:40	1
Sodium	**105**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 11:40	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 11:40	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 11:40	1
Zinc	**0.0053**	**J**	0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 11:40	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-07-F-102215
Date Collected: 10/22/15 08:05
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.48	ug/L		10/27/15 14:05	11/04/15 03:53	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		10/27/15 14:05	11/04/15 03:53	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		10/27/15 14:05	11/04/15 03:53	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		10/27/15 14:05	11/04/15 03:53	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		10/27/15 14:05	11/04/15 03:53	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		10/27/15 14:05	11/04/15 03:53	1
2,6-Dinitrotoluene	ND		4.9	0.40	ug/L		10/27/15 14:05	11/04/15 03:53	1
2-Chloronaphthalene	ND		4.9	0.46	ug/L		10/27/15 14:05	11/04/15 03:53	1
2-Chlorophenol	ND		4.9	0.52	ug/L		10/27/15 14:05	11/04/15 03:53	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		10/27/15 14:05	11/04/15 03:53	1
2-Methylphenol	ND		4.9	0.40	ug/L		10/27/15 14:05	11/04/15 03:53	1
2-Nitroaniline	ND		9.9	0.42	ug/L		10/27/15 14:05	11/04/15 03:53	1
2-Nitrophenol	ND		4.9	0.48	ug/L		10/27/15 14:05	11/04/15 03:53	1
3,3'-Dichlorobenzidine	ND		4.9	0.40	ug/L		10/27/15 14:05	11/04/15 03:53	1
3-Nitroaniline	ND		9.9	0.48	ug/L		10/27/15 14:05	11/04/15 03:53	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		10/27/15 14:05	11/04/15 03:53	1
4-Bromophenyl phenyl ether	ND		4.9	0.45	ug/L		10/27/15 14:05	11/04/15 03:53	1
4-Chloro-3-methylphenol	ND		4.9	0.45	ug/L		10/27/15 14:05	11/04/15 03:53	1
4-Chloroaniline	ND		4.9	0.58	ug/L		10/27/15 14:05	11/04/15 03:53	1
4-Chlorophenyl phenyl ether	ND		4.9	0.35	ug/L		10/27/15 14:05	11/04/15 03:53	1
4-Methylphenol	ND		9.9	0.36	ug/L		10/27/15 14:05	11/04/15 03:53	1
4-Nitroaniline	ND		9.9	0.25	ug/L		10/27/15 14:05	11/04/15 03:53	1
4-Nitrophenol	ND		9.9	1.5	ug/L		10/27/15 14:05	11/04/15 03:53	1
Acenaphthene	ND		4.9	0.41	ug/L		10/27/15 14:05	11/04/15 03:53	1
Acenaphthylene	ND		4.9	0.38	ug/L		10/27/15 14:05	11/04/15 03:53	1
Acetophenone	ND		4.9	0.53	ug/L		10/27/15 14:05	11/04/15 03:53	1
Anthracene	ND		4.9	0.28	ug/L		10/27/15 14:05	11/04/15 03:53	1
Atrazine	ND		4.9	0.46	ug/L		10/27/15 14:05	11/04/15 03:53	1
Benzaldehyde	**0.54**	**J B**	4.9	0.26	ug/L		10/27/15 14:05	11/04/15 03:53	1
Benzo[a]anthracene	ND		4.9	0.36	ug/L		10/27/15 14:05	11/04/15 03:53	1
Benzo[a]pyrene	ND		4.9	0.47	ug/L		10/27/15 14:05	11/04/15 03:53	1
Benzo[b]fluoranthene	ND		4.9	0.34	ug/L		10/27/15 14:05	11/04/15 03:53	1
Benzo[g,h,i]perylene	ND		4.9	0.35	ug/L		10/27/15 14:05	11/04/15 03:53	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		10/27/15 14:05	11/04/15 03:53	1
Biphenyl	ND		4.9	0.65	ug/L		10/27/15 14:05	11/04/15 03:53	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		10/27/15 14:05	11/04/15 03:53	1
Bis(2-chloroethoxy)methane	ND		4.9	0.35	ug/L		10/27/15 14:05	11/04/15 03:53	1
Bis(2-chloroethyl)ether	ND		4.9	0.40	ug/L		10/27/15 14:05	11/04/15 03:53	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		10/27/15 14:05	11/04/15 03:53	1
Butyl benzyl phthalate	ND		4.9	0.42	ug/L		10/27/15 14:05	11/04/15 03:53	1
Caprolactam	ND		4.9	2.2	ug/L		10/27/15 14:05	11/04/15 03:53	1
Carbazole	ND		4.9	0.30	ug/L		10/27/15 14:05	11/04/15 03:53	1
Chrysene	ND		4.9	0.33	ug/L		10/27/15 14:05	11/04/15 03:53	1
Dibenz(a,h)anthracene	ND		4.9	0.42	ug/L		10/27/15 14:05	11/04/15 03:53	1
Dibenzofuran	ND		9.9	0.50	ug/L		10/27/15 14:05	11/04/15 03:53	1
Diethyl phthalate	ND		4.9	0.22	ug/L		10/27/15 14:05	11/04/15 03:53	1
Dimethyl phthalate	ND		4.9	0.36	ug/L		10/27/15 14:05	11/04/15 03:53	1
Di-n-butyl phthalate	**0.47**	**J**	4.9	0.31	ug/L		10/27/15 14:05	11/04/15 03:53	1
Di-n-octyl phthalate	ND		4.9	0.47	ug/L		10/27/15 14:05	11/04/15 03:53	1

Client Sample ID: CB-07-F-102215

Date Collected: 10/22/15 08:05
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.40	ug/L		10/27/15 14:05	11/04/15 03:53	1
Fluorene	ND		4.9	0.36	ug/L		10/27/15 14:05	11/04/15 03:53	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		10/27/15 14:05	11/04/15 03:53	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		10/27/15 14:05	11/04/15 03:53	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		10/27/15 14:05	11/04/15 03:53	1
Hexachloroethane	ND		4.9	0.58	ug/L		10/27/15 14:05	11/04/15 03:53	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.47	ug/L		10/27/15 14:05	11/04/15 03:53	1
Isophorone	ND		4.9	0.43	ug/L		10/27/15 14:05	11/04/15 03:53	1
Naphthalene	ND		4.9	0.75	ug/L		10/27/15 14:05	11/04/15 03:53	1
Nitrobenzene	ND		4.9	0.29	ug/L		10/27/15 14:05	11/04/15 03:53	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		10/27/15 14:05	11/04/15 03:53	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		10/27/15 14:05	11/04/15 03:53	1
Pentachlorophenol	ND		9.9	2.2	ug/L		10/27/15 14:05	11/04/15 03:53	1
Phenanthrene	ND		4.9	0.44	ug/L		10/27/15 14:05	11/04/15 03:53	1
Phenol	ND		4.9	0.39	ug/L		10/27/15 14:05	11/04/15 03:53	1
Pyrene	ND		4.9	0.34	ug/L		10/27/15 14:05	11/04/15 03:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.0*	*T J*	*ug/L*		*3.11*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*10.15*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
n-Hexadecanoic acid	*6.0*	*T J N*	*ug/L*		*10.46*	*57-10-3*	*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*21*	*T J*	*ug/L*		*11.05*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
Octadecanoic acid	*6.8*	*T J N*	*ug/L*		*11.11*	*57-11-4*	*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*6.6*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*33*	*T J*	*ug/L*		*11.94*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*13*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*7.8*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*4.1*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*13*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*16*	*T J*	*ug/L*		*14.94*		*10/27/15 14:05*	*11/04/15 03:53*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*15.98*		*10/27/15 14:05*	*11/04/15 03:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*52 - 132*	*10/27/15 14:05*	*11/04/15 03:53*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*10/27/15 14:05*	*11/04/15 03:53*	*1*
2-Fluorophenol (Surr)	*66*		*20 - 120*	*10/27/15 14:05*	*11/04/15 03:53*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 120*	*10/27/15 14:05*	*11/04/15 03:53*	*1*
Phenol-d5 (Surr)	*47*		*16 - 120*	*10/27/15 14:05*	*11/04/15 03:53*	*1*
p-Terphenyl-d14 (Surr)	*88*		*67 - 150*	*10/27/15 14:05*	*11/04/15 03:53*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.080**	**J**	0.20	0.060	mg/L		10/23/15 11:33	10/24/15 11:43	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 11:43	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 11:43	1
Barium	**0.025**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 11:43	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 11:43	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-07-F-102215
Date Collected: 10/22/15 08:05
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 11:43	1
Calcium	**44.2**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 11:43	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 11:43	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 11:43	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 11:43	1
Iron	**0.21**		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 11:43	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 11:43	1
Magnesium	**6.8**		0.20	0.043	mg/L		10/23/15 11:33	10/24/15 11:43	1
Manganese	**0.10**		0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 11:43	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 11:43	1
Potassium	**37.4**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 11:43	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 11:43	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 11:43	1
Sodium	**105**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 11:43	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 11:43	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 11:43	1
Zinc	**0.0028**	**J**	0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 11:43	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-09-102215
Date Collected: 10/22/15 09:30
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/27/15 14:05	11/04/15 04:22	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		10/27/15 14:05	11/04/15 04:22	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 04:22	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/27/15 14:05	11/04/15 04:22	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 04:22	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 04:22	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 04:22	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/27/15 14:05	11/04/15 04:22	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/27/15 14:05	11/04/15 04:22	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/27/15 14:05	11/04/15 04:22	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 04:22	1
2-Nitroaniline	ND		10	0.43	ug/L		10/27/15 14:05	11/04/15 04:22	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/27/15 14:05	11/04/15 04:22	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 04:22	1
3-Nitroaniline	ND		10	0.49	ug/L		10/27/15 14:05	11/04/15 04:22	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 04:22	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 04:22	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 04:22	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/27/15 14:05	11/04/15 04:22	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 04:22	1
4-Methylphenol	**0.53**	**J**	10	0.37	ug/L		10/27/15 14:05	11/04/15 04:22	1
4-Nitroaniline	ND		10	0.25	ug/L		10/27/15 14:05	11/04/15 04:22	1
4-Nitrophenol	ND		10	1.6	ug/L		10/27/15 14:05	11/04/15 04:22	1
Acenaphthene	ND		5.1	0.42	ug/L		10/27/15 14:05	11/04/15 04:22	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/27/15 14:05	11/04/15 04:22	1
Acetophenone	ND		5.1	0.55	ug/L		10/27/15 14:05	11/04/15 04:22	1
Anthracene	ND		5.1	0.29	ug/L		10/27/15 14:05	11/04/15 04:22	1
Atrazine	ND		5.1	0.47	ug/L		10/27/15 14:05	11/04/15 04:22	1
Benzaldehyde	**0.42**	**J B**	5.1	0.27	ug/L		10/27/15 14:05	11/04/15 04:22	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 04:22	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 04:22	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/27/15 14:05	11/04/15 04:22	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 04:22	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		10/27/15 14:05	11/04/15 04:22	1
Biphenyl	ND		5.1	0.67	ug/L		10/27/15 14:05	11/04/15 04:22	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/27/15 14:05	11/04/15 04:22	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 04:22	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 04:22	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/27/15 14:05	11/04/15 04:22	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		10/27/15 14:05	11/04/15 04:22	1
Caprolactam	ND		5.1	2.2	ug/L		10/27/15 14:05	11/04/15 04:22	1
Carbazole	ND		5.1	0.31	ug/L		10/27/15 14:05	11/04/15 04:22	1
Chrysene	ND		5.1	0.34	ug/L		10/27/15 14:05	11/04/15 04:22	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/27/15 14:05	11/04/15 04:22	1
Dibenzofuran	ND		10	0.52	ug/L		10/27/15 14:05	11/04/15 04:22	1
Diethyl phthalate	ND		5.1	0.22	ug/L		10/27/15 14:05	11/04/15 04:22	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 04:22	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/27/15 14:05	11/04/15 04:22	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 04:22	1

Client Sample ID: CB-09-102215

Date Collected: 10/22/15 09:30
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 04:22	1
Fluorene	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 04:22	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 04:22	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		10/27/15 14:05	11/04/15 04:22	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/27/15 14:05	11/04/15 04:22	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/27/15 14:05	11/04/15 04:22	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 04:22	1
Isophorone	ND		5.1	0.44	ug/L		10/27/15 14:05	11/04/15 04:22	1
Naphthalene	ND		5.1	0.78	ug/L		10/27/15 14:05	11/04/15 04:22	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/27/15 14:05	11/04/15 04:22	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/27/15 14:05	11/04/15 04:22	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 04:22	1
Pentachlorophenol	**2.5**	**J**	10	2.2	ug/L		10/27/15 14:05	11/04/15 04:22	1
Phenanthrene	ND		5.1	0.45	ug/L		10/27/15 14:05	11/04/15 04:22	1
Phenol	ND		5.1	0.40	ug/L		10/27/15 14:05	11/04/15 04:22	1
Pyrene	ND		5.1	0.35	ug/L		10/27/15 14:05	11/04/15 04:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.6*	*T J*	*ug/L*		*3.11*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*3.9*	*T J*	*ug/L*		*4.88*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.2*	*T J N*	*ug/L*		*7.82*	*540-97-6*	*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*8.58*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Octadecanoic acid	*4.5*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*4.9*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*8.0*	*T J*	*ug/L*		*11.91*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*11*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*17*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*11*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*13*	*T J*	*ug/L*		*14.94*		*10/27/15 14:05*	*11/04/15 04:22*	*1*
Unknown	*11*	*T J*	*ug/L*		*16.36*		*10/27/15 14:05*	*11/04/15 04:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*52 - 132*	*10/27/15 14:05*	*11/04/15 04:22*	*1*
2-Fluorobiphenyl	*95*		*48 - 120*	*10/27/15 14:05*	*11/04/15 04:22*	*1*
2-Fluorophenol (Surr)	*69*		*20 - 120*	*10/27/15 14:05*	*11/04/15 04:22*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 120*	*10/27/15 14:05*	*11/04/15 04:22*	*1*
Phenol-d5 (Surr)	*53*		*16 - 120*	*10/27/15 14:05*	*11/04/15 04:22*	*1*
p-Terphenyl-d14 (Surr)	*105*		*67 - 150*	*10/27/15 14:05*	*11/04/15 04:22*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 11:46	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 11:46	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 11:46	1
Barium	**0.17**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 11:46	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 11:46	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-09-102215
Date Collected: 10/22/15 09:30
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 11:46	1
Calcium	**233**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 11:46	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 11:46	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 11:46	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 11:46	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 11:46	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 11:46	1
Magnesium	**0.70**		0.20	0.043	mg/L		10/23/15 11:33	10/24/15 11:46	1
Manganese	**0.046**		0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 11:46	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 11:46	1
Potassium	**23.1**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 11:46	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 11:46	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 11:46	1
Sodium	**75.6**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 11:46	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 11:46	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 11:46	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 11:46	1

Client Sample ID: CB-09-F-102215
Date Collected: 10/22/15 09:33
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/27/15 14:05	11/04/15 04:50	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		10/27/15 14:05	11/04/15 04:50	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 04:50	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/27/15 14:05	11/04/15 04:50	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 04:50	1
2,4-Dinitrotoluene	ND		5.1	0.45	ug/L		10/27/15 14:05	11/04/15 04:50	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 04:50	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/27/15 14:05	11/04/15 04:50	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/27/15 14:05	11/04/15 04:50	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/27/15 14:05	11/04/15 04:50	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 04:50	1
2-Nitroaniline	ND		10	0.43	ug/L		10/27/15 14:05	11/04/15 04:50	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/27/15 14:05	11/04/15 04:50	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 04:50	1
3-Nitroaniline	ND		10	0.49	ug/L		10/27/15 14:05	11/04/15 04:50	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 04:50	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 04:50	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 04:50	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/27/15 14:05	11/04/15 04:50	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 04:50	1
4-Methylphenol	**0.56**	**J**	10	0.37	ug/L		10/27/15 14:05	11/04/15 04:50	1
4-Nitroaniline	ND		10	0.25	ug/L		10/27/15 14:05	11/04/15 04:50	1
4-Nitrophenol	ND		10	1.5	ug/L		10/27/15 14:05	11/04/15 04:50	1
Acenaphthene	ND		5.1	0.42	ug/L		10/27/15 14:05	11/04/15 04:50	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/27/15 14:05	11/04/15 04:50	1
Acetophenone	ND		5.1	0.55	ug/L		10/27/15 14:05	11/04/15 04:50	1
Anthracene	ND		5.1	0.28	ug/L		10/27/15 14:05	11/04/15 04:50	1
Atrazine	ND		5.1	0.47	ug/L		10/27/15 14:05	11/04/15 04:50	1
Benzaldehyde	**0.46**	**J B**	5.1	0.27	ug/L		10/27/15 14:05	11/04/15 04:50	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 04:50	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 04:50	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/27/15 14:05	11/04/15 04:50	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 04:50	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		10/27/15 14:05	11/04/15 04:50	1
Biphenyl	ND		5.1	0.66	ug/L		10/27/15 14:05	11/04/15 04:50	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/27/15 14:05	11/04/15 04:50	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 04:50	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 04:50	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/27/15 14:05	11/04/15 04:50	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		10/27/15 14:05	11/04/15 04:50	1
Caprolactam	ND		5.1	2.2	ug/L		10/27/15 14:05	11/04/15 04:50	1
Carbazole	ND		5.1	0.30	ug/L		10/27/15 14:05	11/04/15 04:50	1
Chrysene	ND		5.1	0.33	ug/L		10/27/15 14:05	11/04/15 04:50	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/27/15 14:05	11/04/15 04:50	1
Dibenzofuran	ND		10	0.52	ug/L		10/27/15 14:05	11/04/15 04:50	1
Diethyl phthalate	ND		5.1	0.22	ug/L		10/27/15 14:05	11/04/15 04:50	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 04:50	1
Di-n-butyl phthalate	ND		5.1	0.31	ug/L		10/27/15 14:05	11/04/15 04:50	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 04:50	1

Client Sample ID: CB-09-F-102215

Date Collected: 10/22/15 09:33
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 04:50	1
Fluorene	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 04:50	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 04:50	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		10/27/15 14:05	11/04/15 04:50	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/27/15 14:05	11/04/15 04:50	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/27/15 14:05	11/04/15 04:50	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 04:50	1
Isophorone	ND		5.1	0.44	ug/L		10/27/15 14:05	11/04/15 04:50	1
Naphthalene	ND		5.1	0.77	ug/L		10/27/15 14:05	11/04/15 04:50	1
Nitrobenzene	ND		5.1	0.29	ug/L		10/27/15 14:05	11/04/15 04:50	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/27/15 14:05	11/04/15 04:50	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 04:50	1
Pentachlorophenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 04:50	1
Phenanthrene	ND		5.1	0.45	ug/L		10/27/15 14:05	11/04/15 04:50	1
Phenol	ND		5.1	0.40	ug/L		10/27/15 14:05	11/04/15 04:50	1
Pyrene	ND		5.1	0.35	ug/L		10/27/15 14:05	11/04/15 04:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.6*	*T J*	*ug/L*		*3.11*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*10.15*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
n-Hexadecanoic acid	*4.5*	*T J N*	*ug/L*		*10.46*	*57-10-3*	*10/27/15 14:05*	*11/04/15 04:50*	*1*
Diphenyl sulfone	*5.6*	*T J N*	*ug/L*		*10.48*	*127-63-9*	*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*11*	*T J*	*ug/L*		*11.04*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
Octadecanoic acid	*3.6*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*6.9*	*T J*	*ug/L*		*11.91*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*5.0*	*T J*	*ug/L*		*12.91*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*7.8*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*8.5*	*T J*	*ug/L*		*14.93*		*10/27/15 14:05*	*11/04/15 04:50*	*1*
Unknown	*7.2*	*T J*	*ug/L*		*16.36*		*10/27/15 14:05*	*11/04/15 04:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*10/27/15 14:05*	*11/04/15 04:50*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*10/27/15 14:05*	*11/04/15 04:50*	*1*
2-Fluorophenol (Surr)	*63*		*20 - 120*	*10/27/15 14:05*	*11/04/15 04:50*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 120*	*10/27/15 14:05*	*11/04/15 04:50*	*1*
Phenol-d5 (Surr)	*48*		*16 - 120*	*10/27/15 14:05*	*11/04/15 04:50*	*1*
p-Terphenyl-d14 (Surr)	*96*		*67 - 150*	*10/27/15 14:05*	*11/04/15 04:50*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 11:50	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 11:50	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 11:50	1
Barium	**0.18**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 11:50	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-09-F-102215
Date Collected: 10/22/15 09:33
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 11:50	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 11:50	1
Calcium	**245**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 11:50	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 11:50	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 11:50	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 11:50	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 11:50	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 11:50	1
Magnesium	**0.20**		0.20	0.043	mg/L		10/23/15 11:33	10/24/15 11:50	1
Manganese	**0.0023**	**J**	0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 11:50	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 11:50	1
Potassium	**23.5**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 11:50	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 11:50	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 11:50	1
Sodium	**83.1**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 11:50	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 11:50	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 11:50	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 11:50	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-30-102215
Date Collected: 10/22/15 10:25
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.4	0.52	ug/L		10/27/15 14:05	11/04/15 05:19	1
2,4,6-Trichlorophenol	ND		5.4	0.66	ug/L		10/27/15 14:05	11/04/15 05:19	1
2,4-Dichlorophenol	ND		5.4	0.55	ug/L		10/27/15 14:05	11/04/15 05:19	1
2,4-Dimethylphenol	ND		5.4	0.54	ug/L		10/27/15 14:05	11/04/15 05:19	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/27/15 14:05	11/04/15 05:19	1
2,4-Dinitrotoluene	ND		5.4	0.49	ug/L		10/27/15 14:05	11/04/15 05:19	1
2,6-Dinitrotoluene	ND		5.4	0.43	ug/L		10/27/15 14:05	11/04/15 05:19	1
2-Chloronaphthalene	ND		5.4	0.50	ug/L		10/27/15 14:05	11/04/15 05:19	1
2-Chlorophenol	ND		5.4	0.58	ug/L		10/27/15 14:05	11/04/15 05:19	1
2-Methylnaphthalene	ND		5.4	0.65	ug/L		10/27/15 14:05	11/04/15 05:19	1
2-Methylphenol	ND		5.4	0.43	ug/L		10/27/15 14:05	11/04/15 05:19	1
2-Nitroaniline	ND		11	0.46	ug/L		10/27/15 14:05	11/04/15 05:19	1
2-Nitrophenol	ND		5.4	0.52	ug/L		10/27/15 14:05	11/04/15 05:19	1
3,3'-Dichlorobenzidine	ND		5.4	0.43	ug/L		10/27/15 14:05	11/04/15 05:19	1
3-Nitroaniline	ND		11	0.52	ug/L		10/27/15 14:05	11/04/15 05:19	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/27/15 14:05	11/04/15 05:19	1
4-Bromophenyl phenyl ether	ND		5.4	0.49	ug/L		10/27/15 14:05	11/04/15 05:19	1
4-Chloro-3-methylphenol	ND		5.4	0.49	ug/L		10/27/15 14:05	11/04/15 05:19	1
4-Chloroaniline	ND		5.4	0.64	ug/L		10/27/15 14:05	11/04/15 05:19	1
4-Chlorophenyl phenyl ether	ND		5.4	0.38	ug/L		10/27/15 14:05	11/04/15 05:19	1
4-Methylphenol	**0.61**	**J**	11	0.39	ug/L		10/27/15 14:05	11/04/15 05:19	1
4-Nitroaniline	ND		11	0.27	ug/L		10/27/15 14:05	11/04/15 05:19	1
4-Nitrophenol	ND		11	1.6	ug/L		10/27/15 14:05	11/04/15 05:19	1
Acenaphthene	ND		5.4	0.44	ug/L		10/27/15 14:05	11/04/15 05:19	1
Acenaphthylene	ND		5.4	0.41	ug/L		10/27/15 14:05	11/04/15 05:19	1
Acetophenone	ND		5.4	0.59	ug/L		10/27/15 14:05	11/04/15 05:19	1
Anthracene	ND		5.4	0.30	ug/L		10/27/15 14:05	11/04/15 05:19	1
Atrazine	ND		5.4	0.50	ug/L		10/27/15 14:05	11/04/15 05:19	1
Benzaldehyde	**0.45**	**J B**	5.4	0.29	ug/L		10/27/15 14:05	11/04/15 05:19	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		10/27/15 14:05	11/04/15 05:19	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		10/27/15 14:05	11/04/15 05:19	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		10/27/15 14:05	11/04/15 05:19	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		10/27/15 14:05	11/04/15 05:19	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		10/27/15 14:05	11/04/15 05:19	1
Biphenyl	ND		5.4	0.71	ug/L		10/27/15 14:05	11/04/15 05:19	1
bis (2-chloroisopropyl) ether	ND		5.4	0.56	ug/L		10/27/15 14:05	11/04/15 05:19	1
Bis(2-chloroethoxy)methane	ND		5.4	0.38	ug/L		10/27/15 14:05	11/04/15 05:19	1
Bis(2-chloroethyl)ether	ND		5.4	0.43	ug/L		10/27/15 14:05	11/04/15 05:19	1
Bis(2-ethylhexyl) phthalate	ND		5.4	2.0	ug/L		10/27/15 14:05	11/04/15 05:19	1
Butyl benzyl phthalate	ND		5.4	0.46	ug/L		10/27/15 14:05	11/04/15 05:19	1
Caprolactam	ND		5.4	2.4	ug/L		10/27/15 14:05	11/04/15 05:19	1
Carbazole	ND		5.4	0.33	ug/L		10/27/15 14:05	11/04/15 05:19	1
Chrysene	ND		5.4	0.36	ug/L		10/27/15 14:05	11/04/15 05:19	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		10/27/15 14:05	11/04/15 05:19	1
Dibenzofuran	ND		11	0.55	ug/L		10/27/15 14:05	11/04/15 05:19	1
Diethyl phthalate	ND		5.4	0.24	ug/L		10/27/15 14:05	11/04/15 05:19	1
Dimethyl phthalate	ND		5.4	0.39	ug/L		10/27/15 14:05	11/04/15 05:19	1
Di-n-butyl phthalate	ND		5.4	0.34	ug/L		10/27/15 14:05	11/04/15 05:19	1
Di-n-octyl phthalate	ND		5.4	0.51	ug/L		10/27/15 14:05	11/04/15 05:19	1

Client Sample ID: CB-30-102215

Date Collected: 10/22/15 10:25
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.4	0.43	ug/L		10/27/15 14:05	11/04/15 05:19	1
Fluorene	ND		5.4	0.39	ug/L		10/27/15 14:05	11/04/15 05:19	1
Hexachlorobenzene	ND		5.4	0.55	ug/L		10/27/15 14:05	11/04/15 05:19	1
Hexachlorobutadiene	ND		5.4	0.74	ug/L		10/27/15 14:05	11/04/15 05:19	1
Hexachlorocyclopentadiene	ND		5.4	0.64	ug/L		10/27/15 14:05	11/04/15 05:19	1
Hexachloroethane	ND		5.4	0.64	ug/L		10/27/15 14:05	11/04/15 05:19	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		10/27/15 14:05	11/04/15 05:19	1
Isophorone	ND		5.4	0.47	ug/L		10/27/15 14:05	11/04/15 05:19	1
Naphthalene	ND		5.4	0.82	ug/L		10/27/15 14:05	11/04/15 05:19	1
Nitrobenzene	ND		5.4	0.31	ug/L		10/27/15 14:05	11/04/15 05:19	1
N-Nitrosodi-n-propylamine	ND		5.4	0.59	ug/L		10/27/15 14:05	11/04/15 05:19	1
N-Nitrosodiphenylamine	ND		5.4	0.55	ug/L		10/27/15 14:05	11/04/15 05:19	1
Pentachlorophenol	**2.6**	**J**	11	2.4	ug/L		10/27/15 14:05	11/04/15 05:19	1
Phenanthrene	ND		5.4	0.48	ug/L		10/27/15 14:05	11/04/15 05:19	1
Phenol	ND		5.4	0.42	ug/L		10/27/15 14:05	11/04/15 05:19	1
Pyrene	ND		5.4	0.37	ug/L		10/27/15 14:05	11/04/15 05:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.8*	*T J*	*ug/L*		*3.11*		*10/27/15 14:05*	*11/04/15 05:19*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 05:19*	*1*
Unknown	*14*	*T J*	*ug/L*		*11.05*		*10/27/15 14:05*	*11/04/15 05:19*	*1*
Octadecanoic acid	*4.5*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 05:19*	*1*
Unknown	*5.3*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 05:19*	*1*
Unknown	*8.1*	*T J*	*ug/L*		*11.91*		*10/27/15 14:05*	*11/04/15 05:19*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 05:19*	*1*
Unknown	*10*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 05:19*	*1*
Unknown	*10*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 05:19*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 05:19*	*1*
Unknown	*11*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 05:19*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 05:19*	*1*
Unknown	*13*	*T J*	*ug/L*		*14.93*		*10/27/15 14:05*	*11/04/15 05:19*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*15.98*		*10/27/15 14:05*	*11/04/15 05:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*52 - 132*	*10/27/15 14:05*	*11/04/15 05:19*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*10/27/15 14:05*	*11/04/15 05:19*	*1*
2-Fluorophenol (Surr)	*59*		*20 - 120*	*10/27/15 14:05*	*11/04/15 05:19*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 120*	*10/27/15 14:05*	*11/04/15 05:19*	*1*
Phenol-d5 (Surr)	*47*		*16 - 120*	*10/27/15 14:05*	*11/04/15 05:19*	*1*
p-Terphenyl-d14 (Surr)	*98*		*67 - 150*	*10/27/15 14:05*	*11/04/15 05:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 11:53	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 11:53	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 11:53	1
Barium	**0.17**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 11:53	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 11:53	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 11:53	1
Calcium	**224**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 11:53	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-30-102215
Date Collected: 10/22/15 10:25
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 11:53	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 11:53	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 11:53	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 11:53	1
Lead	**0.0030**	**J**	0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 11:53	1
Magnesium	**0.58**		0.20	0.043	mg/L		10/23/15 11:33	10/24/15 11:53	1
Manganese	**0.036**		0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 11:53	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 11:53	1
Potassium	**22.9**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 11:53	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 11:53	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 11:53	1
Sodium	**72.6**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 11:53	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 11:53	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 11:53	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 11:53	1

Client Sample ID: CB-30-F-102215
Date Collected: 10/22/15 10:28
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/27/15 14:05	11/04/15 05:48	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/27/15 14:05	11/04/15 05:48	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 05:48	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/27/15 14:05	11/04/15 05:48	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 05:48	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 05:48	1
2,6-Dinitrotoluene	**0.85**	**J**	5.0	0.40	ug/L		10/27/15 14:05	11/04/15 05:48	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/27/15 14:05	11/04/15 05:48	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/27/15 14:05	11/04/15 05:48	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/27/15 14:05	11/04/15 05:48	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 05:48	1
2-Nitroaniline	ND		10	0.42	ug/L		10/27/15 14:05	11/04/15 05:48	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/27/15 14:05	11/04/15 05:48	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 05:48	1
3-Nitroaniline	ND		10	0.48	ug/L		10/27/15 14:05	11/04/15 05:48	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 05:48	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 05:48	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 05:48	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 05:48	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 05:48	1
4-Methylphenol	**0.67**	**J**	10	0.36	ug/L		10/27/15 14:05	11/04/15 05:48	1
4-Nitroaniline	ND		10	0.25	ug/L		10/27/15 14:05	11/04/15 05:48	1
4-Nitrophenol	ND		10	1.5	ug/L		10/27/15 14:05	11/04/15 05:48	1
Acenaphthene	ND		5.0	0.41	ug/L		10/27/15 14:05	11/04/15 05:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/27/15 14:05	11/04/15 05:48	1
Acetophenone	ND		5.0	0.54	ug/L		10/27/15 14:05	11/04/15 05:48	1
Anthracene	ND		5.0	0.28	ug/L		10/27/15 14:05	11/04/15 05:48	1
Atrazine	ND		5.0	0.46	ug/L		10/27/15 14:05	11/04/15 05:48	1
Benzaldehyde	**0.60**	**J B**	5.0	0.27	ug/L		10/27/15 14:05	11/04/15 05:48	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 05:48	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 05:48	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/27/15 14:05	11/04/15 05:48	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 05:48	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/27/15 14:05	11/04/15 05:48	1
Biphenyl	ND		5.0	0.66	ug/L		10/27/15 14:05	11/04/15 05:48	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/27/15 14:05	11/04/15 05:48	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 05:48	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 05:48	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/27/15 14:05	11/04/15 05:48	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		10/27/15 14:05	11/04/15 05:48	1
Caprolactam	ND		5.0	2.2	ug/L		10/27/15 14:05	11/04/15 05:48	1
Carbazole	ND		5.0	0.30	ug/L		10/27/15 14:05	11/04/15 05:48	1
Chrysene	ND		5.0	0.33	ug/L		10/27/15 14:05	11/04/15 05:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/27/15 14:05	11/04/15 05:48	1
Dibenzofuran	ND		10	0.51	ug/L		10/27/15 14:05	11/04/15 05:48	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/27/15 14:05	11/04/15 05:48	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 05:48	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/27/15 14:05	11/04/15 05:48	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 05:48	1

Client Sample ID: CB-30-F-102215

Date Collected: 10/22/15 10:28
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 05:48	1
Fluorene	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 05:48	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 05:48	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/27/15 14:05	11/04/15 05:48	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 05:48	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 05:48	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 05:48	1
Isophorone	ND		5.0	0.43	ug/L		10/27/15 14:05	11/04/15 05:48	1
Naphthalene	ND		5.0	0.77	ug/L		10/27/15 14:05	11/04/15 05:48	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/27/15 14:05	11/04/15 05:48	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/27/15 14:05	11/04/15 05:48	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 05:48	1
Pentachlorophenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 05:48	1
Phenanthrene	ND		5.0	0.44	ug/L		10/27/15 14:05	11/04/15 05:48	1
Phenol	ND		5.0	0.39	ug/L		10/27/15 14:05	11/04/15 05:48	1
Pyrene	ND		5.0	0.34	ug/L		10/27/15 14:05	11/04/15 05:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.4*	*T J*	*ug/L*		*3.10*		*10/27/15 14:05*	*11/04/15 05:48*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.37*		*10/27/15 14:05*	*11/04/15 05:48*	*1*
2-Butanamine, (.+/-.)-	*3.1*	*T J N*	*ug/L*		*4.29*	*33966-50-6*	*10/27/15 14:05*	*11/04/15 05:48*	*1*
Decane	*3.1*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 05:48*	*1*
n-Hexadecanoic acid	*5.0*	*T J N*	*ug/L*		*10.46*	*57-10-3*	*10/27/15 14:05*	*11/04/15 05:48*	*1*
Diphenyl sulfone	*14*	*T J N*	*ug/L*		*10.48*	*127-63-9*	*10/27/15 14:05*	*11/04/15 05:48*	*1*
Unknown	*13*	*T J*	*ug/L*		*11.05*		*10/27/15 14:05*	*11/04/15 05:48*	*1*
Octadecanoic acid	*3.3*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 05:48*	*1*
Unknown	*4.9*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 05:48*	*1*
Unknown	*23*	*T J*	*ug/L*		*11.93*		*10/27/15 14:05*	*11/04/15 05:48*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 05:48*	*1*
Unknown	*9.0*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 05:48*	*1*
Unknown	*16*	*T J*	*ug/L*		*12.91*		*10/27/15 14:05*	*11/04/15 05:48*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 05:48*	*1*
Unknown	*9.1*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 05:48*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 05:48*	*1*
Unknown	*11*	*T J*	*ug/L*		*14.93*		*10/27/15 14:05*	*11/04/15 05:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*52 - 132*	*10/27/15 14:05*	*11/04/15 05:48*	*1*
2-Fluorobiphenyl	*95*		*48 - 120*	*10/27/15 14:05*	*11/04/15 05:48*	*1*
2-Fluorophenol (Surr)	*65*		*20 - 120*	*10/27/15 14:05*	*11/04/15 05:48*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*	*10/27/15 14:05*	*11/04/15 05:48*	*1*
Phenol-d5 (Surr)	*51*		*16 - 120*	*10/27/15 14:05*	*11/04/15 05:48*	*1*
p-Terphenyl-d14 (Surr)	*100*		*67 - 150*	*10/27/15 14:05*	*11/04/15 05:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 12:05	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 12:05	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 12:05	1
Barium	**0.17**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 12:05	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-30-F-102215
Date Collected: 10/22/15 10:28
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-6
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 12:05	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 12:05	1
Calcium	**234**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:05	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 12:05	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 12:05	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 12:05	1
Iron	**0.11**		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 12:05	1
Lead	**0.0031**	**J**	0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 12:05	1
Magnesium	**0.13**	**J**	0.20	0.043	mg/L		10/23/15 11:33	10/24/15 12:05	1
Manganese	**0.0012**	**J**	0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 12:05	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 12:05	1
Potassium	**23.4**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:05	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 12:05	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 12:05	1
Sodium	**74.4**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 12:05	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 12:05	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 12:05	1
Zinc	**0.0025**	**J**	0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 12:05	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-16-102215
Date Collected: 10/22/15 10:55
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/27/15 14:05	11/04/15 06:16	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		10/27/15 14:05	11/04/15 06:16	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/27/15 14:05	11/04/15 06:16	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/27/15 14:05	11/04/15 06:16	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 06:16	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		10/27/15 14:05	11/04/15 06:16	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		10/27/15 14:05	11/04/15 06:16	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		10/27/15 14:05	11/04/15 06:16	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/27/15 14:05	11/04/15 06:16	1
2-Methylnaphthalene	ND		5.2	0.62	ug/L		10/27/15 14:05	11/04/15 06:16	1
2-Methylphenol	ND		5.2	0.42	ug/L		10/27/15 14:05	11/04/15 06:16	1
2-Nitroaniline	ND		10	0.44	ug/L		10/27/15 14:05	11/04/15 06:16	1
2-Nitrophenol	**0.56**	**J**	5.2	0.50	ug/L		10/27/15 14:05	11/04/15 06:16	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		10/27/15 14:05	11/04/15 06:16	1
3-Nitroaniline	ND		10	0.50	ug/L		10/27/15 14:05	11/04/15 06:16	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 06:16	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		10/27/15 14:05	11/04/15 06:16	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		10/27/15 14:05	11/04/15 06:16	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/27/15 14:05	11/04/15 06:16	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		10/27/15 14:05	11/04/15 06:16	1
4-Methylphenol	ND		10	0.37	ug/L		10/27/15 14:05	11/04/15 06:16	1
4-Nitroaniline	ND		10	0.26	ug/L		10/27/15 14:05	11/04/15 06:16	1
4-Nitrophenol	ND		10	1.6	ug/L		10/27/15 14:05	11/04/15 06:16	1
Acenaphthene	ND		5.2	0.43	ug/L		10/27/15 14:05	11/04/15 06:16	1
Acenaphthylene	ND		5.2	0.40	ug/L		10/27/15 14:05	11/04/15 06:16	1
Acetophenone	ND		5.2	0.56	ug/L		10/27/15 14:05	11/04/15 06:16	1
Anthracene	ND		5.2	0.29	ug/L		10/27/15 14:05	11/04/15 06:16	1
Atrazine	ND		5.2	0.48	ug/L		10/27/15 14:05	11/04/15 06:16	1
Benzaldehyde	**0.42**	**J B**	5.2	0.28	ug/L		10/27/15 14:05	11/04/15 06:16	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		10/27/15 14:05	11/04/15 06:16	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		10/27/15 14:05	11/04/15 06:16	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/27/15 14:05	11/04/15 06:16	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		10/27/15 14:05	11/04/15 06:16	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		10/27/15 14:05	11/04/15 06:16	1
Biphenyl	ND		5.2	0.68	ug/L		10/27/15 14:05	11/04/15 06:16	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/27/15 14:05	11/04/15 06:16	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		10/27/15 14:05	11/04/15 06:16	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		10/27/15 14:05	11/04/15 06:16	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/27/15 14:05	11/04/15 06:16	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		10/27/15 14:05	11/04/15 06:16	1
Caprolactam	ND		5.2	2.3	ug/L		10/27/15 14:05	11/04/15 06:16	1
Carbazole	ND		5.2	0.31	ug/L		10/27/15 14:05	11/04/15 06:16	1
Chrysene	ND		5.2	0.34	ug/L		10/27/15 14:05	11/04/15 06:16	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		10/27/15 14:05	11/04/15 06:16	1
Dibenzofuran	ND		10	0.53	ug/L		10/27/15 14:05	11/04/15 06:16	1
Diethyl phthalate	ND		5.2	0.23	ug/L		10/27/15 14:05	11/04/15 06:16	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		10/27/15 14:05	11/04/15 06:16	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		10/27/15 14:05	11/04/15 06:16	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		10/27/15 14:05	11/04/15 06:16	1

Client Sample ID: CB-16-102215

Date Collected: 10/22/15 10:55
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-7

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		10/27/15 14:05	11/04/15 06:16	1
Fluorene	ND		5.2	0.37	ug/L		10/27/15 14:05	11/04/15 06:16	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/27/15 14:05	11/04/15 06:16	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		10/27/15 14:05	11/04/15 06:16	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/27/15 14:05	11/04/15 06:16	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/27/15 14:05	11/04/15 06:16	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		10/27/15 14:05	11/04/15 06:16	1
Isophorone	ND		5.2	0.45	ug/L		10/27/15 14:05	11/04/15 06:16	1
Naphthalene	ND		5.2	0.79	ug/L		10/27/15 14:05	11/04/15 06:16	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/27/15 14:05	11/04/15 06:16	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/27/15 14:05	11/04/15 06:16	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/27/15 14:05	11/04/15 06:16	1
Pentachlorophenol	**2.7**	**J**	10	2.3	ug/L		10/27/15 14:05	11/04/15 06:16	1
Phenanthrene	ND		5.2	0.46	ug/L		10/27/15 14:05	11/04/15 06:16	1
Phenol	ND		5.2	0.41	ug/L		10/27/15 14:05	11/04/15 06:16	1
Pyrene	ND		5.2	0.35	ug/L		10/27/15 14:05	11/04/15 06:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.3*	*T J*	*ug/L*		*3.11*		*10/27/15 14:05*	*11/04/15 06:16*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 06:16*	*1*
Decane	*3.1*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 06:16*	*1*
4-Nitro-4'-chlorodiphenylsulphoxide	*1.8*	*T J N*	*ug/L*		*8.58*	*24535-53-3*	*10/27/15 14:05*	*11/04/15 06:16*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*10.69*		*10/27/15 14:05*	*11/04/15 06:16*	*1*
Unknown	*16*	*T J*	*ug/L*		*11.05*		*10/27/15 14:05*	*11/04/15 06:16*	*1*
Octadecanoic acid	*4.1*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 06:16*	*1*
Unknown	*6.3*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 06:16*	*1*
Unknown	*26*	*T J*	*ug/L*		*11.94*		*10/27/15 14:05*	*11/04/15 06:16*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 06:16*	*1*
Unknown	*11*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 06:16*	*1*
Unknown	*12*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 06:16*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 06:16*	*1*
Unknown	*10*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 06:16*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 06:16*	*1*
Unknown	*12*	*T J*	*ug/L*		*14.94*		*10/27/15 14:05*	*11/04/15 06:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*52 - 132*	*10/27/15 14:05*	*11/04/15 06:16*	*1*
2-Fluorobiphenyl	*95*		*48 - 120*	*10/27/15 14:05*	*11/04/15 06:16*	*1*
2-Fluorophenol (Surr)	*65*		*20 - 120*	*10/27/15 14:05*	*11/04/15 06:16*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 120*	*10/27/15 14:05*	*11/04/15 06:16*	*1*
Phenol-d5 (Surr)	*52*		*16 - 120*	*10/27/15 14:05*	*11/04/15 06:16*	*1*
p-Terphenyl-d14 (Surr)	*102*		*67 - 150*	*10/27/15 14:05*	*11/04/15 06:16*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 12:09	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 12:09	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 12:09	1
Barium	**0.068**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 12:09	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 12:09	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-16-102215
Date Collected: 10/22/15 10:55
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-7
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 12:09	1
Calcium	**47.7**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:09	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 12:09	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 12:09	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 12:09	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 12:09	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 12:09	1
Magnesium	**0.39**		0.20	0.043	mg/L		10/23/15 11:33	10/24/15 12:09	1
Manganese	**0.0015**	**J**	0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 12:09	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 12:09	1
Potassium	**37.7**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:09	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 12:09	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 12:09	1
Sodium	**67.2**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 12:09	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 12:09	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 12:09	1
Zinc	**0.0084**	**J**	0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 12:09	1

Client Sample ID: CB-16-F-102215
Date Collected: 10/22/15 10:58
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/27/15 14:05	11/04/15 06:45	1
2,4,6-Trichlorophenol	ND		5.1	0.63	ug/L		10/27/15 14:05	11/04/15 06:45	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 06:45	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/27/15 14:05	11/04/15 06:45	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 06:45	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 06:45	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 06:45	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/27/15 14:05	11/04/15 06:45	1
2-Chlorophenol	ND		5.1	0.55	ug/L		10/27/15 14:05	11/04/15 06:45	1
2-Methylnaphthalene	ND		5.1	0.62	ug/L		10/27/15 14:05	11/04/15 06:45	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 06:45	1
2-Nitroaniline	ND		10	0.43	ug/L		10/27/15 14:05	11/04/15 06:45	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/27/15 14:05	11/04/15 06:45	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 06:45	1
3-Nitroaniline	ND		10	0.49	ug/L		10/27/15 14:05	11/04/15 06:45	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 06:45	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 06:45	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 06:45	1
4-Chloroaniline	ND		5.1	0.61	ug/L		10/27/15 14:05	11/04/15 06:45	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 06:45	1
4-Methylphenol	ND		10	0.37	ug/L		10/27/15 14:05	11/04/15 06:45	1
4-Nitroaniline	ND		10	0.26	ug/L		10/27/15 14:05	11/04/15 06:45	1
4-Nitrophenol	ND		10	1.6	ug/L		10/27/15 14:05	11/04/15 06:45	1
Acenaphthene	ND		5.1	0.42	ug/L		10/27/15 14:05	11/04/15 06:45	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/27/15 14:05	11/04/15 06:45	1
Acetophenone	ND		5.1	0.56	ug/L		10/27/15 14:05	11/04/15 06:45	1
Anthracene	ND		5.1	0.29	ug/L		10/27/15 14:05	11/04/15 06:45	1
Atrazine	ND		5.1	0.47	ug/L		10/27/15 14:05	11/04/15 06:45	1
Benzaldehyde	**0.49**	**J B**	5.1	0.27	ug/L		10/27/15 14:05	11/04/15 06:45	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 06:45	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 06:45	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/27/15 14:05	11/04/15 06:45	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 06:45	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/27/15 14:05	11/04/15 06:45	1
Biphenyl	ND		5.1	0.67	ug/L		10/27/15 14:05	11/04/15 06:45	1
bis (2-chloroisopropyl) ether	ND		5.1	0.54	ug/L		10/27/15 14:05	11/04/15 06:45	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 06:45	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 06:45	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.9	ug/L		10/27/15 14:05	11/04/15 06:45	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		10/27/15 14:05	11/04/15 06:45	1
Caprolactam	ND		5.1	2.3	ug/L		10/27/15 14:05	11/04/15 06:45	1
Carbazole	ND		5.1	0.31	ug/L		10/27/15 14:05	11/04/15 06:45	1
Chrysene	ND		5.1	0.34	ug/L		10/27/15 14:05	11/04/15 06:45	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/27/15 14:05	11/04/15 06:45	1
Dibenzofuran	ND		10	0.52	ug/L		10/27/15 14:05	11/04/15 06:45	1
Diethyl phthalate	ND		5.1	0.23	ug/L		10/27/15 14:05	11/04/15 06:45	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 06:45	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/27/15 14:05	11/04/15 06:45	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 06:45	1

Client Sample ID: CB-16-F-102215

Date Collected: 10/22/15 10:58
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-8

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 06:45	1
Fluorene	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 06:45	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 06:45	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/27/15 14:05	11/04/15 06:45	1
Hexachlorocyclopentadiene	ND		5.1	0.61	ug/L		10/27/15 14:05	11/04/15 06:45	1
Hexachloroethane	ND		5.1	0.61	ug/L		10/27/15 14:05	11/04/15 06:45	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 06:45	1
Isophorone	ND		5.1	0.44	ug/L		10/27/15 14:05	11/04/15 06:45	1
Naphthalene	ND		5.1	0.78	ug/L		10/27/15 14:05	11/04/15 06:45	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/27/15 14:05	11/04/15 06:45	1
N-Nitrosodi-n-propylamine	ND		5.1	0.56	ug/L		10/27/15 14:05	11/04/15 06:45	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 06:45	1
Pentachlorophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 06:45	1
Phenanthrene	ND		5.1	0.45	ug/L		10/27/15 14:05	11/04/15 06:45	1
Phenol	**0.47**	**J**	5.1	0.40	ug/L		10/27/15 14:05	11/04/15 06:45	1
Pyrene	ND		5.1	0.35	ug/L		10/27/15 14:05	11/04/15 06:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6.6*	*T J*	*ug/L*		*3.12*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
Pyridine, 2-methyl-	*3.9*	*T J N*	*ug/L*		*4.65*	*109-06-8*	*10/27/15 14:05*	*11/04/15 06:45*	*1*
Decane	*3.8*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 06:45*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.5*	*T J N*	*ug/L*		*7.82*	*540-97-6*	*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*10.15*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
n-Hexadecanoic acid	*3.8*	*T J N*	*ug/L*		*10.46*	*57-10-3*	*10/27/15 14:05*	*11/04/15 06:45*	*1*
Diphenyl sulfone	*3.6*	*T J N*	*ug/L*		*10.48*	*127-63-9*	*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*10.69*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*20*	*T J*	*ug/L*		*11.05*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
Octadecanoic acid	*4.4*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*29*	*T J*	*ug/L*		*11.94*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*12*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*3.8*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*12*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*3.6*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 06:45*	*1*
Unknown	*13*	*T J*	*ug/L*		*14.94*		*10/27/15 14:05*	*11/04/15 06:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*52 - 132*	*10/27/15 14:05*	*11/04/15 06:45*	*1*
2-Fluorobiphenyl	*91*		*48 - 120*	*10/27/15 14:05*	*11/04/15 06:45*	*1*
2-Fluorophenol (Surr)	*70*		*20 - 120*	*10/27/15 14:05*	*11/04/15 06:45*	*1*
Nitrobenzene-d5 (Surr)	*94*		*46 - 120*	*10/27/15 14:05*	*11/04/15 06:45*	*1*
Phenol-d5 (Surr)	*47*		*16 - 120*	*10/27/15 14:05*	*11/04/15 06:45*	*1*
p-Terphenyl-d14 (Surr)	*103*		*67 - 150*	*10/27/15 14:05*	*11/04/15 06:45*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 12:12	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-16-F-102215
Date Collected: 10/22/15 10:58
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-8
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 12:12	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 12:12	1
Barium	**0.070**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 12:12	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 12:12	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 12:12	1
Calcium	**49.7**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:12	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 12:12	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 12:12	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 12:12	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 12:12	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 12:12	1
Magnesium	**0.39**		0.20	0.043	mg/L		10/23/15 11:33	10/24/15 12:12	1
Manganese	**0.00046**	**J**	0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 12:12	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 12:12	1
Potassium	**39.1**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:12	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 12:12	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 12:12	1
Sodium	**69.2**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 12:12	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 12:12	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 12:12	1
Zinc	**0.0052**	**J**	0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 12:12	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: MW-UNK-102215
Date Collected: 10/22/15 13:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.5	0.52	ug/L		10/27/15 14:05	11/04/15 07:14	1
2,4,6-Trichlorophenol	ND		5.5	0.67	ug/L		10/27/15 14:05	11/04/15 07:14	1
2,4-Dichlorophenol	ND		5.5	0.56	ug/L		10/27/15 14:05	11/04/15 07:14	1
2,4-Dimethylphenol	ND		5.5	0.55	ug/L		10/27/15 14:05	11/04/15 07:14	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/27/15 14:05	11/04/15 07:14	1
2,4-Dinitrotoluene	ND		5.5	0.49	ug/L		10/27/15 14:05	11/04/15 07:14	1
2,6-Dinitrotoluene	ND		5.5	0.44	ug/L		10/27/15 14:05	11/04/15 07:14	1
2-Chloronaphthalene	ND		5.5	0.50	ug/L		10/27/15 14:05	11/04/15 07:14	1
2-Chlorophenol	ND		5.5	0.58	ug/L		10/27/15 14:05	11/04/15 07:14	1
2-Methylnaphthalene	ND		5.5	0.65	ug/L		10/27/15 14:05	11/04/15 07:14	1
2-Methylphenol	ND		5.5	0.44	ug/L		10/27/15 14:05	11/04/15 07:14	1
2-Nitroaniline	ND		11	0.46	ug/L		10/27/15 14:05	11/04/15 07:14	1
2-Nitrophenol	ND		5.5	0.52	ug/L		10/27/15 14:05	11/04/15 07:14	1
3,3'-Dichlorobenzidine	ND		5.5	0.44	ug/L		10/27/15 14:05	11/04/15 07:14	1
3-Nitroaniline	ND		11	0.52	ug/L		10/27/15 14:05	11/04/15 07:14	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/27/15 14:05	11/04/15 07:14	1
4-Bromophenyl phenyl ether	ND		5.5	0.49	ug/L		10/27/15 14:05	11/04/15 07:14	1
4-Chloro-3-methylphenol	ND		5.5	0.49	ug/L		10/27/15 14:05	11/04/15 07:14	1
4-Chloroaniline	ND		5.5	0.64	ug/L		10/27/15 14:05	11/04/15 07:14	1
4-Chlorophenyl phenyl ether	ND		5.5	0.38	ug/L		10/27/15 14:05	11/04/15 07:14	1
4-Methylphenol	**0.57**	**J**	11	0.39	ug/L		10/27/15 14:05	11/04/15 07:14	1
4-Nitroaniline	ND		11	0.27	ug/L		10/27/15 14:05	11/04/15 07:14	1
4-Nitrophenol	ND		11	1.7	ug/L		10/27/15 14:05	11/04/15 07:14	1
Acenaphthene	**0.73**	**J**	5.5	0.45	ug/L		10/27/15 14:05	11/04/15 07:14	1
Acenaphthylene	ND		5.5	0.41	ug/L		10/27/15 14:05	11/04/15 07:14	1
Acetophenone	ND		5.5	0.59	ug/L		10/27/15 14:05	11/04/15 07:14	1
Anthracene	ND		5.5	0.31	ug/L		10/27/15 14:05	11/04/15 07:14	1
Atrazine	ND		5.5	0.50	ug/L		10/27/15 14:05	11/04/15 07:14	1
Benzaldehyde	**0.67**	**J B**	5.5	0.29	ug/L		10/27/15 14:05	11/04/15 07:14	1
Benzo[a]anthracene	ND		5.5	0.39	ug/L		10/27/15 14:05	11/04/15 07:14	1
Benzo[a]pyrene	ND		5.5	0.51	ug/L		10/27/15 14:05	11/04/15 07:14	1
Benzo[b]fluoranthene	ND		5.5	0.37	ug/L		10/27/15 14:05	11/04/15 07:14	1
Benzo[g,h,i]perylene	ND		5.5	0.38	ug/L		10/27/15 14:05	11/04/15 07:14	1
Benzo[k]fluoranthene	ND		5.5	0.80	ug/L		10/27/15 14:05	11/04/15 07:14	1
Biphenyl	ND		5.5	0.71	ug/L		10/27/15 14:05	11/04/15 07:14	1
bis (2-chloroisopropyl) ether	ND		5.5	0.57	ug/L		10/27/15 14:05	11/04/15 07:14	1
Bis(2-chloroethoxy)methane	ND		5.5	0.38	ug/L		10/27/15 14:05	11/04/15 07:14	1
Bis(2-chloroethyl)ether	ND		5.5	0.44	ug/L		10/27/15 14:05	11/04/15 07:14	1
Bis(2-ethylhexyl) phthalate	ND		5.5	2.0	ug/L		10/27/15 14:05	11/04/15 07:14	1
Butyl benzyl phthalate	ND		5.5	0.46	ug/L		10/27/15 14:05	11/04/15 07:14	1
Caprolactam	ND		5.5	2.4	ug/L		10/27/15 14:05	11/04/15 07:14	1
Carbazole	ND		5.5	0.33	ug/L		10/27/15 14:05	11/04/15 07:14	1
Chrysene	ND		5.5	0.36	ug/L		10/27/15 14:05	11/04/15 07:14	1
Dibenz(a,h)anthracene	ND		5.5	0.46	ug/L		10/27/15 14:05	11/04/15 07:14	1
Dibenzofuran	ND		11	0.56	ug/L		10/27/15 14:05	11/04/15 07:14	1
Diethyl phthalate	ND		5.5	0.24	ug/L		10/27/15 14:05	11/04/15 07:14	1
Dimethyl phthalate	ND		5.5	0.39	ug/L		10/27/15 14:05	11/04/15 07:14	1
Di-n-butyl phthalate	ND		5.5	0.34	ug/L		10/27/15 14:05	11/04/15 07:14	1
Di-n-octyl phthalate	ND		5.5	0.51	ug/L		10/27/15 14:05	11/04/15 07:14	1

Client Sample ID: MW-UNK-102215

Date Collected: 10/22/15 13:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-9

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.5	0.44	ug/L		10/27/15 14:05	11/04/15 07:14	1
Fluorene	**0.40**	**J**	5.5	0.39	ug/L		10/27/15 14:05	11/04/15 07:14	1
Hexachlorobenzene	ND		5.5	0.56	ug/L		10/27/15 14:05	11/04/15 07:14	1
Hexachlorobutadiene	ND		5.5	0.74	ug/L		10/27/15 14:05	11/04/15 07:14	1
Hexachlorocyclopentadiene	ND		5.5	0.64	ug/L		10/27/15 14:05	11/04/15 07:14	1
Hexachloroethane	ND		5.5	0.64	ug/L		10/27/15 14:05	11/04/15 07:14	1
Indeno[1,2,3-cd]pyrene	ND		5.5	0.51	ug/L		10/27/15 14:05	11/04/15 07:14	1
Isophorone	ND		5.5	0.47	ug/L		10/27/15 14:05	11/04/15 07:14	1
Naphthalene	**1.5**	**J**	5.5	0.83	ug/L		10/27/15 14:05	11/04/15 07:14	1
Nitrobenzene	ND		5.5	0.32	ug/L		10/27/15 14:05	11/04/15 07:14	1
N-Nitrosodi-n-propylamine	ND		5.5	0.59	ug/L		10/27/15 14:05	11/04/15 07:14	1
N-Nitrosodiphenylamine	ND		5.5	0.56	ug/L		10/27/15 14:05	11/04/15 07:14	1
Pentachlorophenol	ND		11	2.4	ug/L		10/27/15 14:05	11/04/15 07:14	1
Phenanthrene	ND		5.5	0.48	ug/L		10/27/15 14:05	11/04/15 07:14	1
Phenol	**0.92**	**J**	5.5	0.43	ug/L		10/27/15 14:05	11/04/15 07:14	1
Pyrene	ND		5.5	0.37	ug/L		10/27/15 14:05	11/04/15 07:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.1*	*T J*	*ug/L*		*3.11*		*10/27/15 14:05*	*11/04/15 07:14*	*1*
Unknown	*140*	*T J*	*ug/L*		*3.37*		*10/27/15 14:05*	*11/04/15 07:14*	*1*
Pyridine, 2-methyl-	*4.6*	*T J N*	*ug/L*		*4.74*	*109-06-8*	*10/27/15 14:05*	*11/04/15 07:14*	*1*
Decane	*3.3*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 07:14*	*1*
Cyclopentasiloxane, decamethyl-	*2.2*	*T J N*	*ug/L*		*6.94*	*541-02-6*	*10/27/15 14:05*	*11/04/15 07:14*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*7.82*		*10/27/15 14:05*	*11/04/15 07:14*	*1*
Octadecanoic acid	*8.4*	*T J N*	*ug/L*		*11.13*	*57-11-4*	*10/27/15 14:05*	*11/04/15 07:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*104*		*52 - 132*	*10/27/15 14:05*	*11/04/15 07:14*	*1*
2-Fluorobiphenyl	*99*		*48 - 120*	*10/27/15 14:05*	*11/04/15 07:14*	*1*
2-Fluorophenol (Surr)	*74*		*20 - 120*	*10/27/15 14:05*	*11/04/15 07:14*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 120*	*10/27/15 14:05*	*11/04/15 07:14*	*1*
Phenol-d5 (Surr)	*54*		*16 - 120*	*10/27/15 14:05*	*11/04/15 07:14*	*1*
p-Terphenyl-d14 (Surr)	*77*		*67 - 150*	*10/27/15 14:05*	*11/04/15 07:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 12:15	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 12:15	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 12:15	1
Barium	**0.034**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 12:15	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 12:15	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 12:15	1
Calcium	**35.8**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:15	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 12:15	1
Cobalt	**0.0014**	**J**	0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 12:15	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 12:15	1
Iron	**0.14**		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 12:15	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 12:15	1
Magnesium	**17.8**		0.20	0.043	mg/L		10/23/15 11:33	10/24/15 12:15	1
Manganese	**0.041**		0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 12:15	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: MW-UNK-102215
Date Collected: 10/22/15 13:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-9
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.0015	J	0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 12:15	1
Potassium	243		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:15	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 12:15	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 12:15	1
Sodium	98.4		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 12:15	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 12:15	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 12:15	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 12:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.27		0.010	0.0050	mg/L		10/29/15 20:30	10/30/15 11:42	1

Client Sample ID: MW-UNK-F-102215

Date Collected: 10/22/15 13:05
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-10

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.3	0.51	ug/L		10/27/15 14:05	11/04/15 07:42	1
2,4,6-Trichlorophenol	ND		5.3	0.65	ug/L		10/27/15 14:05	11/04/15 07:42	1
2,4-Dichlorophenol	ND		5.3	0.55	ug/L		10/27/15 14:05	11/04/15 07:42	1
2,4-Dimethylphenol	ND		5.3	0.53	ug/L		10/27/15 14:05	11/04/15 07:42	1
2,4-Dinitrophenol	ND		11	2.4	ug/L		10/27/15 14:05	11/04/15 07:42	1
2,4-Dinitrotoluene	ND		5.3	0.48	ug/L		10/27/15 14:05	11/04/15 07:42	1
2,6-Dinitrotoluene	ND		5.3	0.43	ug/L		10/27/15 14:05	11/04/15 07:42	1
2-Chloronaphthalene	ND		5.3	0.49	ug/L		10/27/15 14:05	11/04/15 07:42	1
2-Chlorophenol	ND		5.3	0.57	ug/L		10/27/15 14:05	11/04/15 07:42	1
2-Methylnaphthalene	ND		5.3	0.64	ug/L		10/27/15 14:05	11/04/15 07:42	1
2-Methylphenol	ND		5.3	0.43	ug/L		10/27/15 14:05	11/04/15 07:42	1
2-Nitroaniline	ND		11	0.45	ug/L		10/27/15 14:05	11/04/15 07:42	1
2-Nitrophenol	ND		5.3	0.51	ug/L		10/27/15 14:05	11/04/15 07:42	1
3,3'-Dichlorobenzidine	ND		5.3	0.43	ug/L		10/27/15 14:05	11/04/15 07:42	1
3-Nitroaniline	ND		11	0.51	ug/L		10/27/15 14:05	11/04/15 07:42	1
4,6-Dinitro-2-methylphenol	ND		11	2.4	ug/L		10/27/15 14:05	11/04/15 07:42	1
4-Bromophenyl phenyl ether	ND		5.3	0.48	ug/L		10/27/15 14:05	11/04/15 07:42	1
4-Chloro-3-methylphenol	ND		5.3	0.48	ug/L		10/27/15 14:05	11/04/15 07:42	1
4-Chloroaniline	ND		5.3	0.63	ug/L		10/27/15 14:05	11/04/15 07:42	1
4-Chlorophenyl phenyl ether	ND		5.3	0.37	ug/L		10/27/15 14:05	11/04/15 07:42	1
4-Methylphenol	**0.76**	**J**	11	0.39	ug/L		10/27/15 14:05	11/04/15 07:42	1
4-Nitroaniline	ND		11	0.27	ug/L		10/27/15 14:05	11/04/15 07:42	1
4-Nitrophenol	ND		11	1.6	ug/L		10/27/15 14:05	11/04/15 07:42	1
Acenaphthene	ND		5.3	0.44	ug/L		10/27/15 14:05	11/04/15 07:42	1
Acenaphthylene	ND		5.3	0.41	ug/L		10/27/15 14:05	11/04/15 07:42	1
Acetophenone	ND		5.3	0.58	ug/L		10/27/15 14:05	11/04/15 07:42	1
Anthracene	ND		5.3	0.30	ug/L		10/27/15 14:05	11/04/15 07:42	1
Atrazine	ND		5.3	0.49	ug/L		10/27/15 14:05	11/04/15 07:42	1
Benzaldehyde	**0.82**	**J B**	5.3	0.29	ug/L		10/27/15 14:05	11/04/15 07:42	1
Benzo[a]anthracene	ND		5.3	0.39	ug/L		10/27/15 14:05	11/04/15 07:42	1
Benzo[a]pyrene	ND		5.3	0.50	ug/L		10/27/15 14:05	11/04/15 07:42	1
Benzo[b]fluoranthene	ND		5.3	0.36	ug/L		10/27/15 14:05	11/04/15 07:42	1
Benzo[g,h,i]perylene	ND		5.3	0.37	ug/L		10/27/15 14:05	11/04/15 07:42	1
Benzo[k]fluoranthene	ND		5.3	0.78	ug/L		10/27/15 14:05	11/04/15 07:42	1
Biphenyl	ND		5.3	0.70	ug/L		10/27/15 14:05	11/04/15 07:42	1
bis (2-chloroisopropyl) ether	ND		5.3	0.56	ug/L		10/27/15 14:05	11/04/15 07:42	1
Bis(2-chloroethoxy)methane	ND		5.3	0.37	ug/L		10/27/15 14:05	11/04/15 07:42	1
Bis(2-chloroethyl)ether	ND		5.3	0.43	ug/L		10/27/15 14:05	11/04/15 07:42	1
Bis(2-ethylhexyl) phthalate	ND		5.3	1.9	ug/L		10/27/15 14:05	11/04/15 07:42	1
Butyl benzyl phthalate	ND		5.3	0.45	ug/L		10/27/15 14:05	11/04/15 07:42	1
Caprolactam	ND		5.3	2.4	ug/L		10/27/15 14:05	11/04/15 07:42	1
Carbazole	ND		5.3	0.32	ug/L		10/27/15 14:05	11/04/15 07:42	1
Chrysene	ND		5.3	0.35	ug/L		10/27/15 14:05	11/04/15 07:42	1
Dibenz(a,h)anthracene	ND		5.3	0.45	ug/L		10/27/15 14:05	11/04/15 07:42	1
Dibenzofuran	ND		11	0.55	ug/L		10/27/15 14:05	11/04/15 07:42	1
Diethyl phthalate	**0.78**	**J**	5.3	0.24	ug/L		10/27/15 14:05	11/04/15 07:42	1
Dimethyl phthalate	ND		5.3	0.39	ug/L		10/27/15 14:05	11/04/15 07:42	1
Di-n-butyl phthalate	**0.45**	**J**	5.3	0.33	ug/L		10/27/15 14:05	11/04/15 07:42	1
Di-n-octyl phthalate	ND		5.3	0.50	ug/L		10/27/15 14:05	11/04/15 07:42	1

Client Sample ID: MW-UNK-F-102215

Date Collected: 10/22/15 13:05
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-10

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.3	0.43	ug/L		10/27/15 14:05	11/04/15 07:42	1
Fluorene	ND		5.3	0.39	ug/L		10/27/15 14:05	11/04/15 07:42	1
Hexachlorobenzene	ND		5.3	0.55	ug/L		10/27/15 14:05	11/04/15 07:42	1
Hexachlorobutadiene	ND		5.3	0.73	ug/L		10/27/15 14:05	11/04/15 07:42	1
Hexachlorocyclopentadiene	ND		5.3	0.63	ug/L		10/27/15 14:05	11/04/15 07:42	1
Hexachloroethane	ND		5.3	0.63	ug/L		10/27/15 14:05	11/04/15 07:42	1
Indeno[1,2,3-cd]pyrene	ND		5.3	0.50	ug/L		10/27/15 14:05	11/04/15 07:42	1
Isophorone	ND		5.3	0.46	ug/L		10/27/15 14:05	11/04/15 07:42	1
Naphthalene	ND		5.3	0.81	ug/L		10/27/15 14:05	11/04/15 07:42	1
Nitrobenzene	ND		5.3	0.31	ug/L		10/27/15 14:05	11/04/15 07:42	1
N-Nitrosodi-n-propylamine	ND		5.3	0.58	ug/L		10/27/15 14:05	11/04/15 07:42	1
N-Nitrosodiphenylamine	ND		5.3	0.55	ug/L		10/27/15 14:05	11/04/15 07:42	1
Pentachlorophenol	ND		11	2.4	ug/L		10/27/15 14:05	11/04/15 07:42	1
Phenanthrene	ND		5.3	0.47	ug/L		10/27/15 14:05	11/04/15 07:42	1
Phenol	**1.1**	**J**	5.3	0.42	ug/L		10/27/15 14:05	11/04/15 07:42	1
Pyrene	ND		5.3	0.36	ug/L		10/27/15 14:05	11/04/15 07:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.4*	*T J*	*ug/L*		*3.11*		*10/27/15 14:05*	*11/04/15 07:42*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 07:42*	*1*
2-Butanamine, (.+/-.)-	*5.9*	*T J N*	*ug/L*		*4.29*	*33966-50-6*	*10/27/15 14:05*	*11/04/15 07:42*	*1*
Pyridine, 2-methyl-	*3.9*	*T J N*	*ug/L*		*4.75*	*109-06-8*	*10/27/15 14:05*	*11/04/15 07:42*	*1*
Decane	*3.2*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 07:42*	*1*
2-Pyrrolidinone, 1-methyl-	*2.5*	*T J N*	*ug/L*		*6.41*	*872-50-4*	*10/27/15 14:05*	*11/04/15 07:42*	*1*
Cyclopentasiloxane, decamethyl-	*2.4*	*T J N*	*ug/L*		*6.94*	*541-02-6*	*10/27/15 14:05*	*11/04/15 07:42*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*7.82*		*10/27/15 14:05*	*11/04/15 07:42*	*1*
3,5-di-tert-Butyl-4-hydroxybenzaldehyde	*2.9*	*T J N*	*ug/L*		*9.83*	*1620-98-0*	*10/27/15 14:05*	*11/04/15 07:42*	*1*
Octadecanoic acid	*9.3*	*T J N*	*ug/L*		*11.13*	*57-11-4*	*10/27/15 14:05*	*11/04/15 07:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*52 - 132*	*10/27/15 14:05*	*11/04/15 07:42*	*1*
2-Fluorobiphenyl	*91*		*48 - 120*	*10/27/15 14:05*	*11/04/15 07:42*	*1*
2-Fluorophenol (Surr)	*67*		*20 - 120*	*10/27/15 14:05*	*11/04/15 07:42*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 120*	*10/27/15 14:05*	*11/04/15 07:42*	*1*
Phenol-d5 (Surr)	*46*		*16 - 120*	*10/27/15 14:05*	*11/04/15 07:42*	*1*
p-Terphenyl-d14 (Surr)	*77*		*67 - 150*	*10/27/15 14:05*	*11/04/15 07:42*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 12:18	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 12:18	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 12:18	1
Barium	**0.035**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 12:18	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 12:18	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 12:18	1
Calcium	**34.8**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:18	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 12:18	1
Cobalt	**0.0016**	**J**	0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 12:18	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 12:18	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: MW-UNK-F-102215
Date Collected: 10/22/15 13:05
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-10
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.17**		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 12:18	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 12:18	1
Magnesium	**18.3**		0.20	0.043	mg/L		10/23/15 11:33	10/24/15 12:18	1
Manganese	**0.034**		0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 12:18	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 12:18	1
Potassium	**258**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:18	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 12:18	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 12:18	1
Sodium	**103**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 12:18	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 12:18	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 12:18	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 12:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.27**		0.010	0.0050	mg/L		10/29/15 20:30	10/30/15 11:44	1

Client Sample ID: FB-102215
Date Collected: 10/22/15 15:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/27/15 14:05	11/04/15 08:12	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/27/15 14:05	11/04/15 08:12	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 08:12	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/27/15 14:05	11/04/15 08:12	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		10/27/15 14:05	11/04/15 08:12	1
2,4-Dinitrotoluene	ND		5.0	0.44	ug/L		10/27/15 14:05	11/04/15 08:12	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 08:12	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/27/15 14:05	11/04/15 08:12	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/27/15 14:05	11/04/15 08:12	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/27/15 14:05	11/04/15 08:12	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 08:12	1
2-Nitroaniline	ND		9.9	0.42	ug/L		10/27/15 14:05	11/04/15 08:12	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/27/15 14:05	11/04/15 08:12	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 08:12	1
3-Nitroaniline	ND		9.9	0.48	ug/L		10/27/15 14:05	11/04/15 08:12	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		10/27/15 14:05	11/04/15 08:12	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 08:12	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 08:12	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 08:12	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 08:12	1
4-Methylphenol	ND		9.9	0.36	ug/L		10/27/15 14:05	11/04/15 08:12	1
4-Nitroaniline	ND		9.9	0.25	ug/L		10/27/15 14:05	11/04/15 08:12	1
4-Nitrophenol	ND		9.9	1.5	ug/L		10/27/15 14:05	11/04/15 08:12	1
Acenaphthene	ND		5.0	0.41	ug/L		10/27/15 14:05	11/04/15 08:12	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/27/15 14:05	11/04/15 08:12	1
Acetophenone	ND		5.0	0.54	ug/L		10/27/15 14:05	11/04/15 08:12	1
Anthracene	ND		5.0	0.28	ug/L		10/27/15 14:05	11/04/15 08:12	1
Atrazine	ND		5.0	0.46	ug/L		10/27/15 14:05	11/04/15 08:12	1
Benzaldehyde	**1.1**	**J B**	5.0	0.27	ug/L		10/27/15 14:05	11/04/15 08:12	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 08:12	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 08:12	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/27/15 14:05	11/04/15 08:12	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 08:12	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/27/15 14:05	11/04/15 08:12	1
Biphenyl	ND		5.0	0.65	ug/L		10/27/15 14:05	11/04/15 08:12	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/27/15 14:05	11/04/15 08:12	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 08:12	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 08:12	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/27/15 14:05	11/04/15 08:12	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		10/27/15 14:05	11/04/15 08:12	1
Caprolactam	ND		5.0	2.2	ug/L		10/27/15 14:05	11/04/15 08:12	1
Carbazole	ND		5.0	0.30	ug/L		10/27/15 14:05	11/04/15 08:12	1
Chrysene	ND		5.0	0.33	ug/L		10/27/15 14:05	11/04/15 08:12	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/27/15 14:05	11/04/15 08:12	1
Dibenzofuran	ND		9.9	0.51	ug/L		10/27/15 14:05	11/04/15 08:12	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/27/15 14:05	11/04/15 08:12	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 08:12	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/27/15 14:05	11/04/15 08:12	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 08:12	1

Client Sample ID: FB-102215

Date Collected: 10/22/15 15:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-11

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 08:12	1
Fluorene	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 08:12	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 08:12	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/27/15 14:05	11/04/15 08:12	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 08:12	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 08:12	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 08:12	1
Isophorone	ND		5.0	0.43	ug/L		10/27/15 14:05	11/04/15 08:12	1
Naphthalene	ND		5.0	0.76	ug/L		10/27/15 14:05	11/04/15 08:12	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/27/15 14:05	11/04/15 08:12	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/27/15 14:05	11/04/15 08:12	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 08:12	1
Pentachlorophenol	ND		9.9	2.2	ug/L		10/27/15 14:05	11/04/15 08:12	1
Phenanthrene	ND		5.0	0.44	ug/L		10/27/15 14:05	11/04/15 08:12	1
Phenol	**0.40**	**J**	5.0	0.39	ug/L		10/27/15 14:05	11/04/15 08:12	1
Pyrene	ND		5.0	0.34	ug/L		10/27/15 14:05	11/04/15 08:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.6*	*T J*	*ug/L*		*3.13*		*10/27/15 14:05*	*11/04/15 08:12*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 08:12*	*1*
Pyridine, 2-methyl-	*3.1*	*T J N*	*ug/L*		*4.66*	*109-06-8*	*10/27/15 14:05*	*11/04/15 08:12*	*1*
Decane	*2.9*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 08:12*	*1*
Benzoic acid, methyl ester	*2.8*	*T J N*	*ug/L*		*6.77*	*93-58-3*	*10/27/15 14:05*	*11/04/15 08:12*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*7.82*		*10/27/15 14:05*	*11/04/15 08:12*	*1*
Unknown	*10*	*T J*	*ug/L*		*11.04*		*10/27/15 14:05*	*11/04/15 08:12*	*1*
Unknown	*3.4*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 08:12*	*1*
Unknown	*6.7*	*T J*	*ug/L*		*11.91*		*10/27/15 14:05*	*11/04/15 08:12*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 08:12*	*1*
Unknown	*8.2*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 08:12*	*1*
Unknown	*5.7*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 08:12*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 08:12*	*1*
Erucylamide	*4.5*	*T J N*	*ug/L*		*13.43*	*112-84-5*	*10/27/15 14:05*	*11/04/15 08:12*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 08:12*	*1*
Unknown	*10*	*T J*	*ug/L*		*14.94*		*10/27/15 14:05*	*11/04/15 08:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*52 - 132*	*10/27/15 14:05*	*11/04/15 08:12*	*1*
2-Fluorobiphenyl	*101*		*48 - 120*	*10/27/15 14:05*	*11/04/15 08:12*	*1*
2-Fluorophenol (Surr)	*59*		*20 - 120*	*10/27/15 14:05*	*11/04/15 08:12*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*10/27/15 14:05*	*11/04/15 08:12*	*1*
Phenol-d5 (Surr)	*49*		*16 - 120*	*10/27/15 14:05*	*11/04/15 08:12*	*1*
p-Terphenyl-d14 (Surr)	*103*		*67 - 150*	*10/27/15 14:05*	*11/04/15 08:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 12:21	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 12:21	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 12:21	1
Barium	ND		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 12:21	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 12:21	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: FB-102215
Date Collected: 10/22/15 15:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-11
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 12:21	1
Calcium	ND		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:21	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 12:21	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 12:21	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 12:21	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 12:21	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 12:21	1
Magnesium	ND		0.20	0.043	mg/L		10/23/15 11:33	10/24/15 12:21	1
Manganese	**0.00040**	**J**	0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 12:21	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 12:21	1
Potassium	**0.22**	**J**	0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:21	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 12:21	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 12:21	1
Sodium	ND		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 12:21	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 12:21	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 12:21	1
Zinc	**0.0016**	**J**	0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/29/15 20:30	10/30/15 11:45	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-01-102215
Date Collected: 10/22/15 08:55
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-12
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/27/15 14:05	11/04/15 08:40	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		10/27/15 14:05	11/04/15 08:40	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/27/15 14:05	11/04/15 08:40	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/27/15 14:05	11/04/15 08:40	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 08:40	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		10/27/15 14:05	11/04/15 08:40	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		10/27/15 14:05	11/04/15 08:40	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		10/27/15 14:05	11/04/15 08:40	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/27/15 14:05	11/04/15 08:40	1
2-Methylnaphthalene	ND		5.2	0.62	ug/L		10/27/15 14:05	11/04/15 08:40	1
2-Methylphenol	ND		5.2	0.42	ug/L		10/27/15 14:05	11/04/15 08:40	1
2-Nitroaniline	ND		10	0.44	ug/L		10/27/15 14:05	11/04/15 08:40	1
2-Nitrophenol	ND		5.2	0.50	ug/L		10/27/15 14:05	11/04/15 08:40	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		10/27/15 14:05	11/04/15 08:40	1
3-Nitroaniline	ND		10	0.50	ug/L		10/27/15 14:05	11/04/15 08:40	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 08:40	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		10/27/15 14:05	11/04/15 08:40	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		10/27/15 14:05	11/04/15 08:40	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/27/15 14:05	11/04/15 08:40	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		10/27/15 14:05	11/04/15 08:40	1
4-Methylphenol	**0.90**	**J**	10	0.37	ug/L		10/27/15 14:05	11/04/15 08:40	1
4-Nitroaniline	ND		10	0.26	ug/L		10/27/15 14:05	11/04/15 08:40	1
4-Nitrophenol	ND		10	1.6	ug/L		10/27/15 14:05	11/04/15 08:40	1
Acenaphthene	ND		5.2	0.43	ug/L		10/27/15 14:05	11/04/15 08:40	1
Acenaphthylene	ND		5.2	0.40	ug/L		10/27/15 14:05	11/04/15 08:40	1
Acetophenone	ND		5.2	0.56	ug/L		10/27/15 14:05	11/04/15 08:40	1
Anthracene	ND		5.2	0.29	ug/L		10/27/15 14:05	11/04/15 08:40	1
Atrazine	ND		5.2	0.48	ug/L		10/27/15 14:05	11/04/15 08:40	1
Benzaldehyde	**0.51**	**J B**	5.2	0.28	ug/L		10/27/15 14:05	11/04/15 08:40	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		10/27/15 14:05	11/04/15 08:40	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		10/27/15 14:05	11/04/15 08:40	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/27/15 14:05	11/04/15 08:40	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		10/27/15 14:05	11/04/15 08:40	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		10/27/15 14:05	11/04/15 08:40	1
Biphenyl	ND		5.2	0.68	ug/L		10/27/15 14:05	11/04/15 08:40	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/27/15 14:05	11/04/15 08:40	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		10/27/15 14:05	11/04/15 08:40	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		10/27/15 14:05	11/04/15 08:40	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/27/15 14:05	11/04/15 08:40	1
Butyl benzyl phthalate	ND		5.2	0.44	ug/L		10/27/15 14:05	11/04/15 08:40	1
Caprolactam	ND		5.2	2.3	ug/L		10/27/15 14:05	11/04/15 08:40	1
Carbazole	ND		5.2	0.31	ug/L		10/27/15 14:05	11/04/15 08:40	1
Chrysene	ND		5.2	0.34	ug/L		10/27/15 14:05	11/04/15 08:40	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		10/27/15 14:05	11/04/15 08:40	1
Dibenzofuran	ND		10	0.53	ug/L		10/27/15 14:05	11/04/15 08:40	1
Diethyl phthalate	ND		5.2	0.23	ug/L		10/27/15 14:05	11/04/15 08:40	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		10/27/15 14:05	11/04/15 08:40	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		10/27/15 14:05	11/04/15 08:40	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		10/27/15 14:05	11/04/15 08:40	1

Client Sample ID: CB-01-102215

Date Collected: 10/22/15 08:55
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-12

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.42	ug/L		10/27/15 14:05	11/04/15 08:40	1
Fluorene	ND		5.2	0.37	ug/L		10/27/15 14:05	11/04/15 08:40	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/27/15 14:05	11/04/15 08:40	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		10/27/15 14:05	11/04/15 08:40	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/27/15 14:05	11/04/15 08:40	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/27/15 14:05	11/04/15 08:40	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		10/27/15 14:05	11/04/15 08:40	1
Isophorone	ND		5.2	0.45	ug/L		10/27/15 14:05	11/04/15 08:40	1
Naphthalene	ND		5.2	0.79	ug/L		10/27/15 14:05	11/04/15 08:40	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/27/15 14:05	11/04/15 08:40	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/27/15 14:05	11/04/15 08:40	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/27/15 14:05	11/04/15 08:40	1
Pentachlorophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 08:40	1
Phenanthrene	ND		5.2	0.46	ug/L		10/27/15 14:05	11/04/15 08:40	1
Phenol	**1.3**	**J**	5.2	0.41	ug/L		10/27/15 14:05	11/04/15 08:40	1
Pyrene	ND		5.2	0.35	ug/L		10/27/15 14:05	11/04/15 08:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6.7*	*T J*	*ug/L*		*3.12*		*10/27/15 14:05*	*11/04/15 08:40*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 08:40*	*1*
Pyridine, 2-methyl-	*6.1*	*T J N*	*ug/L*		*4.66*	*109-06-8*	*10/27/15 14:05*	*11/04/15 08:40*	*1*
p-Xylene	*10*	*T J N*	*ug/L*		*5.18*	*106-42-3*	*10/27/15 14:05*	*11/04/15 08:40*	*1*
Decane	*3.1*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 08:40*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.2*	*T J N*	*ug/L*		*7.82*	*540-97-6*	*10/27/15 14:05*	*11/04/15 08:40*	*1*
Unknown	*14*	*T J*	*ug/L*		*11.05*		*10/27/15 14:05*	*11/04/15 08:40*	*1*
Heptadecanoic acid	*5.1*	*T J N*	*ug/L*		*11.11*	*506-12-7*	*10/27/15 14:05*	*11/04/15 08:40*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 08:40*	*1*
Unknown	*8.3*	*T J*	*ug/L*		*11.91*		*10/27/15 14:05*	*11/04/15 08:40*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 08:40*	*1*
Unknown	*10*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 08:40*	*1*
Unknown	*13*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 08:40*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 08:40*	*1*
Erucylamide	*2.2*	*T J N*	*ug/L*		*13.43*	*112-84-5*	*10/27/15 14:05*	*11/04/15 08:40*	*1*
Unknown	*11*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 08:40*	*1*
Unknown	*3.2*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 08:40*	*1*
Unknown	*13*	*T J*	*ug/L*		*14.94*		*10/27/15 14:05*	*11/04/15 08:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*101*		*52 - 132*	*10/27/15 14:05*	*11/04/15 08:40*	*1*
2-Fluorobiphenyl	*98*		*48 - 120*	*10/27/15 14:05*	*11/04/15 08:40*	*1*
2-Fluorophenol (Surr)	*65*		*20 - 120*	*10/27/15 14:05*	*11/04/15 08:40*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 120*	*10/27/15 14:05*	*11/04/15 08:40*	*1*
Phenol-d5 (Surr)	*52*		*16 - 120*	*10/27/15 14:05*	*11/04/15 08:40*	*1*
p-Terphenyl-d14 (Surr)	*104*		*67 - 150*	*10/27/15 14:05*	*11/04/15 08:40*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 12:25	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 12:25	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 12:25	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-01-102215
Date Collected: 10/22/15 08:55
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-12
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.15**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 12:25	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 12:25	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 12:25	1
Calcium	**174**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:25	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 12:25	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 12:25	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 12:25	1
Iron	**0.062**		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 12:25	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 12:25	1
Magnesium	**0.18**	**J**	0.20	0.043	mg/L		10/23/15 11:33	10/24/15 12:25	1
Manganese	**0.0046**		0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 12:25	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 12:25	1
Potassium	**25.2**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:25	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 12:25	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 12:25	1
Sodium	**75.6**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 12:25	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 12:25	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 12:25	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 12:25	1

Client Sample ID: CB-01-F-102215
Date Collected: 10/22/15 09:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-13
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/27/15 14:05	11/04/15 14:47	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		10/27/15 14:05	11/04/15 14:47	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 14:47	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/27/15 14:05	11/04/15 14:47	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 14:47	1
2,4-Dinitrotoluene	ND		5.1	0.45	ug/L		10/27/15 14:05	11/04/15 14:47	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 14:47	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/27/15 14:05	11/04/15 14:47	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/27/15 14:05	11/04/15 14:47	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/27/15 14:05	11/04/15 14:47	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 14:47	1
2-Nitroaniline	ND		10	0.43	ug/L		10/27/15 14:05	11/04/15 14:47	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/27/15 14:05	11/04/15 14:47	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 14:47	1
3-Nitroaniline	ND		10	0.49	ug/L		10/27/15 14:05	11/04/15 14:47	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 14:47	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 14:47	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 14:47	1
4-Chloroaniline	ND	F1	5.1	0.60	ug/L		10/27/15 14:05	11/04/15 14:47	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 14:47	1
4-Methylphenol	**0.40**	**J**	10	0.37	ug/L		10/27/15 14:05	11/04/15 14:47	1
4-Nitroaniline	ND		10	0.25	ug/L		10/27/15 14:05	11/04/15 14:47	1
4-Nitrophenol	ND		10	1.5	ug/L		10/27/15 14:05	11/04/15 14:47	1
Acenaphthene	ND		5.1	0.42	ug/L		10/27/15 14:05	11/04/15 14:47	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/27/15 14:05	11/04/15 14:47	1
Acetophenone	ND		5.1	0.55	ug/L		10/27/15 14:05	11/04/15 14:47	1
Anthracene	ND		5.1	0.28	ug/L		10/27/15 14:05	11/04/15 14:47	1
Atrazine	ND		5.1	0.47	ug/L		10/27/15 14:05	11/04/15 14:47	1
Benzaldehyde	ND		5.1	0.27	ug/L		10/27/15 14:05	11/04/15 14:47	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 14:47	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 14:47	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/27/15 14:05	11/04/15 14:47	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 14:47	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		10/27/15 14:05	11/04/15 14:47	1
Biphenyl	ND		5.1	0.66	ug/L		10/27/15 14:05	11/04/15 14:47	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/27/15 14:05	11/04/15 14:47	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 14:47	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 14:47	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/27/15 14:05	11/04/15 14:47	1
Butyl benzyl phthalate	**0.60**	**J**	5.1	0.43	ug/L		10/27/15 14:05	11/04/15 14:47	1
Caprolactam	ND		5.1	2.2	ug/L		10/27/15 14:05	11/04/15 14:47	1
Carbazole	ND		5.1	0.31	ug/L		10/27/15 14:05	11/04/15 14:47	1
Chrysene	ND		5.1	0.34	ug/L		10/27/15 14:05	11/04/15 14:47	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/27/15 14:05	11/04/15 14:47	1
Dibenzofuran	ND		10	0.52	ug/L		10/27/15 14:05	11/04/15 14:47	1
Diethyl phthalate	ND		5.1	0.22	ug/L		10/27/15 14:05	11/04/15 14:47	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 14:47	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/27/15 14:05	11/04/15 14:47	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 14:47	1

Client Sample ID: CB-01-F-102215

Date Collected: 10/22/15 09:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-13

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 14:47	1
Fluorene	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 14:47	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 14:47	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		10/27/15 14:05	11/04/15 14:47	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/27/15 14:05	11/04/15 14:47	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/27/15 14:05	11/04/15 14:47	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 14:47	1
Isophorone	ND		5.1	0.44	ug/L		10/27/15 14:05	11/04/15 14:47	1
Naphthalene	ND		5.1	0.77	ug/L		10/27/15 14:05	11/04/15 14:47	1
Nitrobenzene	ND		5.1	0.29	ug/L		10/27/15 14:05	11/04/15 14:47	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/27/15 14:05	11/04/15 14:47	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 14:47	1
Pentachlorophenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 14:47	1
Phenanthrene	ND		5.1	0.45	ug/L		10/27/15 14:05	11/04/15 14:47	1
Phenol	ND		5.1	0.40	ug/L		10/27/15 14:05	11/04/15 14:47	1
Pyrene	ND		5.1	0.35	ug/L		10/27/15 14:05	11/04/15 14:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.8*	*T J*	*ug/L*		*3.24*		*10/27/15 14:05*	*11/04/15 14:47*	*1*
Cyclohexane	*33*	*T J N*	*ug/L*		*3.52*	*110-82-7*	*10/27/15 14:05*	*11/04/15 14:47*	*1*
Unknown	*190*	*T J*	*ug/L*		*3.67*		*10/27/15 14:05*	*11/04/15 14:47*	*1*
Formamide, N,N-dimethyl-	*3.8*	*T J N*	*ug/L*		*4.79*	*68-12-2*	*10/27/15 14:05*	*11/04/15 14:47*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*5.42*		*10/27/15 14:05*	*11/04/15 14:47*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*6.47*		*10/27/15 14:05*	*11/04/15 14:47*	*1*
Decane	*4.0*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/27/15 14:05*	*11/04/15 14:47*	*1*
Cyclohexasiloxane, dodecamethyl-	*1.8*	*T J N*	*ug/L*		*8.30*	*540-97-6*	*10/27/15 14:05*	*11/04/15 14:47*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*8.6*	*T J N*	*ug/L*		*9.36*	*96-76-4*	*10/27/15 14:05*	*11/04/15 14:47*	*1*
Diphenyl sulfone	*14*	*T J N*	*ug/L*		*11.15*	*127-63-9*	*10/27/15 14:05*	*11/04/15 14:47*	*1*
Unknown	*8.8*	*T J*	*ug/L*		*11.73*		*10/27/15 14:05*	*11/04/15 14:47*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*12.35*		*10/27/15 14:05*	*11/04/15 14:47*	*1*
Unknown	*13*	*T J*	*ug/L*		*12.83*		*10/27/15 14:05*	*11/04/15 14:47*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*13.25*		*10/27/15 14:05*	*11/04/15 14:47*	*1*
Unknown	*15*	*T J*	*ug/L*		*14.98*		*10/27/15 14:05*	*11/04/15 14:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*52 - 132*	*10/27/15 14:05*	*11/04/15 14:47*	*1*
2-Fluorobiphenyl	*93*		*48 - 120*	*10/27/15 14:05*	*11/04/15 14:47*	*1*
2-Fluorophenol (Surr)	*58*		*20 - 120*	*10/27/15 14:05*	*11/04/15 14:47*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*10/27/15 14:05*	*11/04/15 14:47*	*1*
Phenol-d5 (Surr)	*39*		*16 - 120*	*10/27/15 14:05*	*11/04/15 14:47*	*1*
p-Terphenyl-d14 (Surr)	*94*		*67 - 150*	*10/27/15 14:05*	*11/04/15 14:47*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 12:28	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 12:28	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 12:28	1
Barium	**0.14**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 12:28	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 12:28	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 12:28	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-01-F-102215
Date Collected: 10/22/15 09:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-13
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**166**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:28	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 12:28	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 12:28	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 12:28	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 12:28	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 12:28	1
Magnesium	**0.10**	**J**	0.20	0.043	mg/L		10/23/15 11:33	10/24/15 12:28	1
Manganese	**0.00048**	**J**	0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 12:28	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 12:28	1
Potassium	**25.2**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:28	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 12:28	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 12:28	1
Sodium	**74.8**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 12:28	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 12:28	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 12:28	1
Zinc	**0.0018**	**J**	0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 12:28	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-02-102215
Date Collected: 10/22/15 10:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-14
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.48	ug/L		10/27/15 14:05	11/04/15 09:38	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		10/27/15 14:05	11/04/15 09:38	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		10/27/15 14:05	11/04/15 09:38	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		10/27/15 14:05	11/04/15 09:38	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		10/27/15 14:05	11/04/15 09:38	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		10/27/15 14:05	11/04/15 09:38	1
2,6-Dinitrotoluene	ND		4.9	0.40	ug/L		10/27/15 14:05	11/04/15 09:38	1
2-Chloronaphthalene	ND		4.9	0.46	ug/L		10/27/15 14:05	11/04/15 09:38	1
2-Chlorophenol	ND		4.9	0.52	ug/L		10/27/15 14:05	11/04/15 09:38	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		10/27/15 14:05	11/04/15 09:38	1
2-Methylphenol	ND		4.9	0.40	ug/L		10/27/15 14:05	11/04/15 09:38	1
2-Nitroaniline	ND		9.9	0.42	ug/L		10/27/15 14:05	11/04/15 09:38	1
2-Nitrophenol	ND		4.9	0.48	ug/L		10/27/15 14:05	11/04/15 09:38	1
3,3'-Dichlorobenzidine	ND		4.9	0.40	ug/L		10/27/15 14:05	11/04/15 09:38	1
3-Nitroaniline	ND		9.9	0.48	ug/L		10/27/15 14:05	11/04/15 09:38	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		10/27/15 14:05	11/04/15 09:38	1
4-Bromophenyl phenyl ether	ND		4.9	0.45	ug/L		10/27/15 14:05	11/04/15 09:38	1
4-Chloro-3-methylphenol	ND		4.9	0.45	ug/L		10/27/15 14:05	11/04/15 09:38	1
4-Chloroaniline	ND		4.9	0.58	ug/L		10/27/15 14:05	11/04/15 09:38	1
4-Chlorophenyl phenyl ether	ND		4.9	0.35	ug/L		10/27/15 14:05	11/04/15 09:38	1
4-Methylphenol	**0.53**	**J**	9.9	0.36	ug/L		10/27/15 14:05	11/04/15 09:38	1
4-Nitroaniline	ND		9.9	0.25	ug/L		10/27/15 14:05	11/04/15 09:38	1
4-Nitrophenol	ND		9.9	1.5	ug/L		10/27/15 14:05	11/04/15 09:38	1
Acenaphthene	ND		4.9	0.41	ug/L		10/27/15 14:05	11/04/15 09:38	1
Acenaphthylene	ND		4.9	0.38	ug/L		10/27/15 14:05	11/04/15 09:38	1
Acetophenone	ND		4.9	0.53	ug/L		10/27/15 14:05	11/04/15 09:38	1
Anthracene	ND		4.9	0.28	ug/L		10/27/15 14:05	11/04/15 09:38	1
Atrazine	ND		4.9	0.46	ug/L		10/27/15 14:05	11/04/15 09:38	1
Benzaldehyde	**0.50**	**J B**	4.9	0.26	ug/L		10/27/15 14:05	11/04/15 09:38	1
Benzo[a]anthracene	ND		4.9	0.36	ug/L		10/27/15 14:05	11/04/15 09:38	1
Benzo[a]pyrene	ND		4.9	0.47	ug/L		10/27/15 14:05	11/04/15 09:38	1
Benzo[b]fluoranthene	ND		4.9	0.34	ug/L		10/27/15 14:05	11/04/15 09:38	1
Benzo[g,h,i]perylene	ND		4.9	0.35	ug/L		10/27/15 14:05	11/04/15 09:38	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		10/27/15 14:05	11/04/15 09:38	1
Biphenyl	ND		4.9	0.65	ug/L		10/27/15 14:05	11/04/15 09:38	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		10/27/15 14:05	11/04/15 09:38	1
Bis(2-chloroethoxy)methane	ND		4.9	0.35	ug/L		10/27/15 14:05	11/04/15 09:38	1
Bis(2-chloroethyl)ether	ND		4.9	0.40	ug/L		10/27/15 14:05	11/04/15 09:38	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		10/27/15 14:05	11/04/15 09:38	1
Butyl benzyl phthalate	ND		4.9	0.42	ug/L		10/27/15 14:05	11/04/15 09:38	1
Caprolactam	ND		4.9	2.2	ug/L		10/27/15 14:05	11/04/15 09:38	1
Carbazole	ND		4.9	0.30	ug/L		10/27/15 14:05	11/04/15 09:38	1
Chrysene	ND		4.9	0.33	ug/L		10/27/15 14:05	11/04/15 09:38	1
Dibenz(a,h)anthracene	ND		4.9	0.42	ug/L		10/27/15 14:05	11/04/15 09:38	1
Dibenzofuran	ND		9.9	0.50	ug/L		10/27/15 14:05	11/04/15 09:38	1
Diethyl phthalate	ND		4.9	0.22	ug/L		10/27/15 14:05	11/04/15 09:38	1
Dimethyl phthalate	ND		4.9	0.36	ug/L		10/27/15 14:05	11/04/15 09:38	1
Di-n-butyl phthalate	ND		4.9	0.31	ug/L		10/27/15 14:05	11/04/15 09:38	1
Di-n-octyl phthalate	ND		4.9	0.47	ug/L		10/27/15 14:05	11/04/15 09:38	1

Client Sample ID: CB-02-102215

Date Collected: 10/22/15 10:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-14

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.40	ug/L		10/27/15 14:05	11/04/15 09:38	1
Fluorene	ND		4.9	0.36	ug/L		10/27/15 14:05	11/04/15 09:38	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		10/27/15 14:05	11/04/15 09:38	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		10/27/15 14:05	11/04/15 09:38	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		10/27/15 14:05	11/04/15 09:38	1
Hexachloroethane	ND		4.9	0.58	ug/L		10/27/15 14:05	11/04/15 09:38	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.47	ug/L		10/27/15 14:05	11/04/15 09:38	1
Isophorone	ND		4.9	0.43	ug/L		10/27/15 14:05	11/04/15 09:38	1
Naphthalene	ND		4.9	0.75	ug/L		10/27/15 14:05	11/04/15 09:38	1
Nitrobenzene	ND		4.9	0.29	ug/L		10/27/15 14:05	11/04/15 09:38	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		10/27/15 14:05	11/04/15 09:38	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		10/27/15 14:05	11/04/15 09:38	1
Pentachlorophenol	ND		9.9	2.2	ug/L		10/27/15 14:05	11/04/15 09:38	1
Phenanthrene	ND		4.9	0.44	ug/L		10/27/15 14:05	11/04/15 09:38	1
Phenol	ND		4.9	0.39	ug/L		10/27/15 14:05	11/04/15 09:38	1
Pyrene	ND		4.9	0.34	ug/L		10/27/15 14:05	11/04/15 09:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.6*	*T J*	*ug/L*		*3.11*		*10/27/15 14:05*	*11/04/15 09:38*	*1*
Unknown	*110*	*T J*	*ug/L*		*3.37*		*10/27/15 14:05*	*11/04/15 09:38*	*1*
Decane	*3.1*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 09:38*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.5*	*T J N*	*ug/L*		*7.82*	*540-97-6*	*10/27/15 14:05*	*11/04/15 09:38*	*1*
Unknown	*15*	*T J*	*ug/L*		*11.04*		*10/27/15 14:05*	*11/04/15 09:38*	*1*
Octadecanoic acid	*2.4*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 09:38*	*1*
Unknown	*5.7*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 09:38*	*1*
Unknown	*7.9*	*T J*	*ug/L*		*11.91*		*10/27/15 14:05*	*11/04/15 09:38*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 09:38*	*1*
Unknown	*9.9*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 09:38*	*1*
Unknown	*5.1*	*T J*	*ug/L*		*12.91*		*10/27/15 14:05*	*11/04/15 09:38*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 09:38*	*1*
Unknown	*10*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 09:38*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 09:38*	*1*
Unknown	*11*	*T J*	*ug/L*		*14.94*		*10/27/15 14:05*	*11/04/15 09:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*52 - 132*	*10/27/15 14:05*	*11/04/15 09:38*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*10/27/15 14:05*	*11/04/15 09:38*	*1*
2-Fluorophenol (Surr)	*63*		*20 - 120*	*10/27/15 14:05*	*11/04/15 09:38*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 120*	*10/27/15 14:05*	*11/04/15 09:38*	*1*
Phenol-d5 (Surr)	*50*		*16 - 120*	*10/27/15 14:05*	*11/04/15 09:38*	*1*
p-Terphenyl-d14 (Surr)	*104*		*67 - 150*	*10/27/15 14:05*	*11/04/15 09:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 12:53	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 12:53	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 12:53	1
Barium	**0.14**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 12:53	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 12:53	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 12:53	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-02-102215
Date Collected: 10/22/15 10:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-14
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**167**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:53	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 12:53	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 12:53	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 12:53	1
Iron	**0.025**	**J**	0.050	0.019	mg/L		10/23/15 11:33	10/24/15 12:53	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 12:53	1
Magnesium	**0.14**	**J**	0.20	0.043	mg/L		10/23/15 11:33	10/24/15 12:53	1
Manganese	**0.0026**	**J**	0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 12:53	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 12:53	1
Potassium	**24.6**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:53	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 12:53	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 12:53	1
Sodium	**74.1**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 12:53	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 12:53	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 12:53	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 12:53	1

Client Sample ID: CB-02-F-102215
Date Collected: 10/22/15 10:05
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-15
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/27/15 14:05	11/04/15 10:07	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/27/15 14:05	11/04/15 10:07	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 10:07	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/27/15 14:05	11/04/15 10:07	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 10:07	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 10:07	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 10:07	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/27/15 14:05	11/04/15 10:07	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/27/15 14:05	11/04/15 10:07	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/27/15 14:05	11/04/15 10:07	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 10:07	1
2-Nitroaniline	ND		10	0.42	ug/L		10/27/15 14:05	11/04/15 10:07	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/27/15 14:05	11/04/15 10:07	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 10:07	1
3-Nitroaniline	ND		10	0.48	ug/L		10/27/15 14:05	11/04/15 10:07	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 10:07	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 10:07	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 10:07	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 10:07	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 10:07	1
4-Methylphenol	**0.53**	**J**	10	0.36	ug/L		10/27/15 14:05	11/04/15 10:07	1
4-Nitroaniline	ND		10	0.25	ug/L		10/27/15 14:05	11/04/15 10:07	1
4-Nitrophenol	ND		10	1.5	ug/L		10/27/15 14:05	11/04/15 10:07	1
Acenaphthene	ND		5.0	0.41	ug/L		10/27/15 14:05	11/04/15 10:07	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/27/15 14:05	11/04/15 10:07	1
Acetophenone	ND		5.0	0.54	ug/L		10/27/15 14:05	11/04/15 10:07	1
Anthracene	ND		5.0	0.28	ug/L		10/27/15 14:05	11/04/15 10:07	1
Atrazine	ND		5.0	0.46	ug/L		10/27/15 14:05	11/04/15 10:07	1
Benzaldehyde	**0.65**	**J B**	5.0	0.27	ug/L		10/27/15 14:05	11/04/15 10:07	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 10:07	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 10:07	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/27/15 14:05	11/04/15 10:07	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 10:07	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/27/15 14:05	11/04/15 10:07	1
Biphenyl	ND		5.0	0.65	ug/L		10/27/15 14:05	11/04/15 10:07	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/27/15 14:05	11/04/15 10:07	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 10:07	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 10:07	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/27/15 14:05	11/04/15 10:07	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		10/27/15 14:05	11/04/15 10:07	1
Caprolactam	ND		5.0	2.2	ug/L		10/27/15 14:05	11/04/15 10:07	1
Carbazole	ND		5.0	0.30	ug/L		10/27/15 14:05	11/04/15 10:07	1
Chrysene	ND		5.0	0.33	ug/L		10/27/15 14:05	11/04/15 10:07	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/27/15 14:05	11/04/15 10:07	1
Dibenzofuran	ND		10	0.51	ug/L		10/27/15 14:05	11/04/15 10:07	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/27/15 14:05	11/04/15 10:07	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 10:07	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/27/15 14:05	11/04/15 10:07	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 10:07	1

Client Sample ID: CB-02-F-102215

Date Collected: 10/22/15 10:05
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-15

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 10:07	1
Fluorene	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 10:07	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 10:07	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/27/15 14:05	11/04/15 10:07	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 10:07	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 10:07	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 10:07	1
Isophorone	ND		5.0	0.43	ug/L		10/27/15 14:05	11/04/15 10:07	1
Naphthalene	ND		5.0	0.76	ug/L		10/27/15 14:05	11/04/15 10:07	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/27/15 14:05	11/04/15 10:07	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/27/15 14:05	11/04/15 10:07	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 10:07	1
Pentachlorophenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 10:07	1
Phenanthrene	ND		5.0	0.44	ug/L		10/27/15 14:05	11/04/15 10:07	1
Phenol	**0.40**	**J**	5.0	0.39	ug/L		10/27/15 14:05	11/04/15 10:07	1
Pyrene	ND		5.0	0.34	ug/L		10/27/15 14:05	11/04/15 10:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.7*	*T J*	*ug/L*		*3.12*		*10/27/15 14:05*	*11/04/15 10:07*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 10:07*	*1*
2-Butanamine, (.+/-.)-	*3.7*	*T J N*	*ug/L*		*4.30*	*33966-50-6*	*10/27/15 14:05*	*11/04/15 10:07*	*1*
Decane	*3.3*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 10:07*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.3*	*T J N*	*ug/L*		*7.82*	*540-97-6*	*10/27/15 14:05*	*11/04/15 10:07*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*10.34*		*10/27/15 14:05*	*11/04/15 10:07*	*1*
n-Hexadecanoic acid	*5.8*	*T J N*	*ug/L*		*10.46*	*57-10-3*	*10/27/15 14:05*	*11/04/15 10:07*	*1*
Unknown	*10*	*T J*	*ug/L*		*11.05*		*10/27/15 14:05*	*11/04/15 10:07*	*1*
Octadecanoic acid	*2.9*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 10:07*	*1*
Unknown	*3.3*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 10:07*	*1*
Unknown	*6.6*	*T J*	*ug/L*		*11.91*		*10/27/15 14:05*	*11/04/15 10:07*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 10:07*	*1*
Unknown	*7.8*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 10:07*	*1*
Unknown	*5.4*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 10:07*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 10:07*	*1*
Erucylamide	*2.2*	*T J N*	*ug/L*		*13.43*	*112-84-5*	*10/27/15 14:05*	*11/04/15 10:07*	*1*
Unknown	*8.3*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 10:07*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 10:07*	*1*
Unknown	*9.6*	*T J*	*ug/L*		*14.94*		*10/27/15 14:05*	*11/04/15 10:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*52 - 132*	*10/27/15 14:05*	*11/04/15 10:07*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*10/27/15 14:05*	*11/04/15 10:07*	*1*
2-Fluorophenol (Surr)	*68*		*20 - 120*	*10/27/15 14:05*	*11/04/15 10:07*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*	*10/27/15 14:05*	*11/04/15 10:07*	*1*
Phenol-d5 (Surr)	*51*		*16 - 120*	*10/27/15 14:05*	*11/04/15 10:07*	*1*
p-Terphenyl-d14 (Surr)	*100*		*67 - 150*	*10/27/15 14:05*	*11/04/15 10:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 12:56	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 12:56	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-02-F-102215
Date Collected: 10/22/15 10:05
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-15
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 12:56	1
Barium	**0.15**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 12:56	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 12:56	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 12:56	1
Calcium	**164**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:56	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 12:56	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 12:56	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 12:56	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 12:56	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 12:56	1
Magnesium	**0.10**	**J**	0.20	0.043	mg/L		10/23/15 11:33	10/24/15 12:56	1
Manganese	ND		0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 12:56	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 12:56	1
Potassium	**25.4**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 12:56	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 12:56	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 12:56	1
Sodium	**76.6**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 12:56	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 12:56	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 12:56	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 12:56	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-DUP-03-102215
Date Collected: 10/22/15 10:10
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-16
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		10/27/15 14:05	11/04/15 16:06	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		10/27/15 14:05	11/04/15 16:06	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		10/27/15 14:05	11/04/15 16:06	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		10/27/15 14:05	11/04/15 16:06	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		10/27/15 14:05	11/04/15 16:06	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		10/27/15 14:05	11/04/15 16:06	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		10/27/15 14:05	11/04/15 16:06	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		10/27/15 14:05	11/04/15 16:06	1
2-Chlorophenol	ND		4.9	0.52	ug/L		10/27/15 14:05	11/04/15 16:06	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		10/27/15 14:05	11/04/15 16:06	1
2-Methylphenol	ND		4.9	0.39	ug/L		10/27/15 14:05	11/04/15 16:06	1
2-Nitroaniline	ND		9.8	0.41	ug/L		10/27/15 14:05	11/04/15 16:06	1
2-Nitrophenol	ND		4.9	0.47	ug/L		10/27/15 14:05	11/04/15 16:06	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		10/27/15 14:05	11/04/15 16:06	1
3-Nitroaniline	ND		9.8	0.47	ug/L		10/27/15 14:05	11/04/15 16:06	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.2	ug/L		10/27/15 14:05	11/04/15 16:06	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		10/27/15 14:05	11/04/15 16:06	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		10/27/15 14:05	11/04/15 16:06	1
4-Chloroaniline	ND		4.9	0.58	ug/L		10/27/15 14:05	11/04/15 16:06	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		10/27/15 14:05	11/04/15 16:06	1
4-Methylphenol	**0.55**	**J**	9.8	0.35	ug/L		10/27/15 14:05	11/04/15 16:06	1
4-Nitroaniline	ND		9.8	0.25	ug/L		10/27/15 14:05	11/04/15 16:06	1
4-Nitrophenol	ND		9.8	1.5	ug/L		10/27/15 14:05	11/04/15 16:06	1
Acenaphthene	ND		4.9	0.40	ug/L		10/27/15 14:05	11/04/15 16:06	1
Acenaphthylene	ND		4.9	0.37	ug/L		10/27/15 14:05	11/04/15 16:06	1
Acetophenone	ND		4.9	0.53	ug/L		10/27/15 14:05	11/04/15 16:06	1
Anthracene	ND		4.9	0.27	ug/L		10/27/15 14:05	11/04/15 16:06	1
Atrazine	ND		4.9	0.45	ug/L		10/27/15 14:05	11/04/15 16:06	1
Benzaldehyde	**0.52**	**J B**	4.9	0.26	ug/L		10/27/15 14:05	11/04/15 16:06	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		10/27/15 14:05	11/04/15 16:06	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		10/27/15 14:05	11/04/15 16:06	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		10/27/15 14:05	11/04/15 16:06	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		10/27/15 14:05	11/04/15 16:06	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		10/27/15 14:05	11/04/15 16:06	1
Biphenyl	ND		4.9	0.64	ug/L		10/27/15 14:05	11/04/15 16:06	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		10/27/15 14:05	11/04/15 16:06	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		10/27/15 14:05	11/04/15 16:06	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		10/27/15 14:05	11/04/15 16:06	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		10/27/15 14:05	11/04/15 16:06	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		10/27/15 14:05	11/04/15 16:06	1
Caprolactam	ND		4.9	2.2	ug/L		10/27/15 14:05	11/04/15 16:06	1
Carbazole	ND		4.9	0.29	ug/L		10/27/15 14:05	11/04/15 16:06	1
Chrysene	ND		4.9	0.32	ug/L		10/27/15 14:05	11/04/15 16:06	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		10/27/15 14:05	11/04/15 16:06	1
Dibenzofuran	ND		9.8	0.50	ug/L		10/27/15 14:05	11/04/15 16:06	1
Diethyl phthalate	ND		4.9	0.22	ug/L		10/27/15 14:05	11/04/15 16:06	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		10/27/15 14:05	11/04/15 16:06	1
Di-n-butyl phthalate	ND		4.9	0.30	ug/L		10/27/15 14:05	11/04/15 16:06	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		10/27/15 14:05	11/04/15 16:06	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-DUP-03-102215
Date Collected: 10/22/15 10:10
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-16
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		10/27/15 14:05	11/04/15 16:06	1
Fluorene	ND		4.9	0.35	ug/L		10/27/15 14:05	11/04/15 16:06	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		10/27/15 14:05	11/04/15 16:06	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		10/27/15 14:05	11/04/15 16:06	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		10/27/15 14:05	11/04/15 16:06	1
Hexachloroethane	ND		4.9	0.58	ug/L		10/27/15 14:05	11/04/15 16:06	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		10/27/15 14:05	11/04/15 16:06	1
Isophorone	ND		4.9	0.42	ug/L		10/27/15 14:05	11/04/15 16:06	1
Naphthalene	ND		4.9	0.75	ug/L		10/27/15 14:05	11/04/15 16:06	1
Nitrobenzene	ND		4.9	0.28	ug/L		10/27/15 14:05	11/04/15 16:06	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		10/27/15 14:05	11/04/15 16:06	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		10/27/15 14:05	11/04/15 16:06	1
Pentachlorophenol	ND		9.8	2.2	ug/L		10/27/15 14:05	11/04/15 16:06	1
Phenanthrene	ND		4.9	0.43	ug/L		10/27/15 14:05	11/04/15 16:06	1
Phenol	ND		4.9	0.38	ug/L		10/27/15 14:05	11/04/15 16:06	1
Pyrene	ND		4.9	0.33	ug/L		10/27/15 14:05	11/04/15 16:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6.0*	*T J*	*ug/L*		*3.13*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*130*	*T J*	*ug/L*		*3.39*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Decane	*3.3*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 16:06*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.4*	*T J N*	*ug/L*		*7.82*	*540-97-6*	*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*8.58*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*10.15*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*10.70*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Octadecanoic acid	*3.0*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*7.0*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*25*	*T J*	*ug/L*		*11.94*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*11*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*6.2*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*9.4*	*T J*	*ug/L*		*13.65*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 16:06*	*1*
Unknown	*12*	*T J*	*ug/L*		*14.94*		*10/27/15 14:05*	*11/04/15 16:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*52 - 132*	*10/27/15 14:05*	*11/04/15 16:06*	*1*
2-Fluorobiphenyl	*107*		*48 - 120*	*10/27/15 14:05*	*11/04/15 16:06*	*1*
2-Fluorophenol (Surr)	*66*		*20 - 120*	*10/27/15 14:05*	*11/04/15 16:06*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 120*	*10/27/15 14:05*	*11/04/15 16:06*	*1*
Phenol-d5 (Surr)	*51*		*16 - 120*	*10/27/15 14:05*	*11/04/15 16:06*	*1*
p-Terphenyl-d14 (Surr)	*105*		*67 - 150*	*10/27/15 14:05*	*11/04/15 16:06*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 13:00	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 13:00	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 13:00	1
Barium	**0.15**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 13:00	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-DUP-03-102215
Date Collected: 10/22/15 10:10
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-16
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 13:00	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 13:00	1
Calcium	**168**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 13:00	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 13:00	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 13:00	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 13:00	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 13:00	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 13:00	1
Magnesium	**0.13**	**J**	0.20	0.043	mg/L		10/23/15 11:33	10/24/15 13:00	1
Manganese	**0.0020**	**J**	0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 13:00	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 13:00	1
Potassium	**25.1**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 13:00	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 13:00	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 13:00	1
Sodium	**75.8**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 13:00	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 13:00	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 13:00	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 13:00	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-03-102215
Date Collected: 10/22/15 10:50
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-17
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/27/15 14:05	11/04/15 16:36	1
2,4,6-Trichlorophenol	ND		5.1	0.63	ug/L		10/27/15 14:05	11/04/15 16:36	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 16:36	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/27/15 14:05	11/04/15 16:36	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 16:36	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 16:36	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 16:36	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/27/15 14:05	11/04/15 16:36	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/27/15 14:05	11/04/15 16:36	1
2-Methylnaphthalene	ND		5.1	0.62	ug/L		10/27/15 14:05	11/04/15 16:36	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 16:36	1
2-Nitroaniline	ND		10	0.43	ug/L		10/27/15 14:05	11/04/15 16:36	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/27/15 14:05	11/04/15 16:36	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 16:36	1
3-Nitroaniline	ND		10	0.49	ug/L		10/27/15 14:05	11/04/15 16:36	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 16:36	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 16:36	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 16:36	1
4-Chloroaniline	ND		5.1	0.61	ug/L		10/27/15 14:05	11/04/15 16:36	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 16:36	1
4-Methylphenol	**0.57**	**J**	10	0.37	ug/L		10/27/15 14:05	11/04/15 16:36	1
4-Nitroaniline	ND		10	0.26	ug/L		10/27/15 14:05	11/04/15 16:36	1
4-Nitrophenol	ND		10	1.6	ug/L		10/27/15 14:05	11/04/15 16:36	1
Acenaphthene	ND		5.1	0.42	ug/L		10/27/15 14:05	11/04/15 16:36	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/27/15 14:05	11/04/15 16:36	1
Acetophenone	ND		5.1	0.55	ug/L		10/27/15 14:05	11/04/15 16:36	1
Anthracene	ND		5.1	0.29	ug/L		10/27/15 14:05	11/04/15 16:36	1
Atrazine	ND		5.1	0.47	ug/L		10/27/15 14:05	11/04/15 16:36	1
Benzaldehyde	**0.50**	**J B**	5.1	0.27	ug/L		10/27/15 14:05	11/04/15 16:36	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 16:36	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 16:36	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/27/15 14:05	11/04/15 16:36	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 16:36	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/27/15 14:05	11/04/15 16:36	1
Biphenyl	ND		5.1	0.67	ug/L		10/27/15 14:05	11/04/15 16:36	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/27/15 14:05	11/04/15 16:36	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 16:36	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 16:36	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/27/15 14:05	11/04/15 16:36	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		10/27/15 14:05	11/04/15 16:36	1
Caprolactam	ND		5.1	2.3	ug/L		10/27/15 14:05	11/04/15 16:36	1
Carbazole	ND		5.1	0.31	ug/L		10/27/15 14:05	11/04/15 16:36	1
Chrysene	ND		5.1	0.34	ug/L		10/27/15 14:05	11/04/15 16:36	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/27/15 14:05	11/04/15 16:36	1
Dibenzofuran	ND		10	0.52	ug/L		10/27/15 14:05	11/04/15 16:36	1
Diethyl phthalate	ND		5.1	0.23	ug/L		10/27/15 14:05	11/04/15 16:36	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 16:36	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/27/15 14:05	11/04/15 16:36	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 16:36	1

Client Sample ID: CB-03-102215

Date Collected: 10/22/15 10:50
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-17

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 16:36	1
Fluorene	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 16:36	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 16:36	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/27/15 14:05	11/04/15 16:36	1
Hexachlorocyclopentadiene	ND		5.1	0.61	ug/L		10/27/15 14:05	11/04/15 16:36	1
Hexachloroethane	ND		5.1	0.61	ug/L		10/27/15 14:05	11/04/15 16:36	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 16:36	1
Isophorone	ND		5.1	0.44	ug/L		10/27/15 14:05	11/04/15 16:36	1
Naphthalene	ND		5.1	0.78	ug/L		10/27/15 14:05	11/04/15 16:36	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/27/15 14:05	11/04/15 16:36	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/27/15 14:05	11/04/15 16:36	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 16:36	1
Pentachlorophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 16:36	1
Phenanthrene	ND		5.1	0.45	ug/L		10/27/15 14:05	11/04/15 16:36	1
Phenol	ND		5.1	0.40	ug/L		10/27/15 14:05	11/04/15 16:36	1
Pyrene	ND		5.1	0.35	ug/L		10/27/15 14:05	11/04/15 16:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.2*	*T J*	*ug/L*		*3.13*		*10/27/15 14:05*	*11/04/15 16:36*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 16:36*	*1*
Decane	*3.1*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 16:36*	*1*
Cyclohexasiloxane, dodecamethyl-	*3.0*	*T J N*	*ug/L*		*7.82*	*540-97-6*	*10/27/15 14:05*	*11/04/15 16:36*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*8.58*		*10/27/15 14:05*	*11/04/15 16:36*	*1*
Unknown	*15*	*T J*	*ug/L*		*11.05*		*10/27/15 14:05*	*11/04/15 16:36*	*1*
Octadecanoic acid	*3.3*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 16:36*	*1*
Unknown	*5.6*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 16:36*	*1*
Unknown	*26*	*T J*	*ug/L*		*11.94*		*10/27/15 14:05*	*11/04/15 16:36*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 16:36*	*1*
Unknown	*11*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 16:36*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 16:36*	*1*
Unknown	*3.2*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 16:36*	*1*
Unknown	*10*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 16:36*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 16:36*	*1*
Unknown	*11*	*T J*	*ug/L*		*14.94*		*10/27/15 14:05*	*11/04/15 16:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*52 - 132*	*10/27/15 14:05*	*11/04/15 16:36*	*1*
2-Fluorobiphenyl	*100*		*48 - 120*	*10/27/15 14:05*	*11/04/15 16:36*	*1*
2-Fluorophenol (Surr)	*63*		*20 - 120*	*10/27/15 14:05*	*11/04/15 16:36*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 120*	*10/27/15 14:05*	*11/04/15 16:36*	*1*
Phenol-d5 (Surr)	*50*		*16 - 120*	*10/27/15 14:05*	*11/04/15 16:36*	*1*
p-Terphenyl-d14 (Surr)	*107*		*67 - 150*	*10/27/15 14:05*	*11/04/15 16:36*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 13:03	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 13:03	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 13:03	1
Barium	**0.15**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 13:03	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 13:03	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-03-102215
Date Collected: 10/22/15 10:50
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-17
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 13:03	1
Calcium	**172**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 13:03	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 13:03	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 13:03	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 13:03	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 13:03	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 13:03	1
Magnesium	**0.12**	**J**	0.20	0.043	mg/L		10/23/15 11:33	10/24/15 13:03	1
Manganese	**0.0023**	**J**	0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 13:03	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 13:03	1
Potassium	**25.1**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 13:03	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 13:03	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 13:03	1
Sodium	**76.0**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 13:03	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 13:03	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 13:03	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 13:03	1

Client Sample ID: CB-03-F-102215
Date Collected: 10/22/15 10:55
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-18
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/27/15 14:05	11/04/15 17:05	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/27/15 14:05	11/04/15 17:05	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 17:05	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/27/15 14:05	11/04/15 17:05	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 17:05	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 17:05	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 17:05	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/27/15 14:05	11/04/15 17:05	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/27/15 14:05	11/04/15 17:05	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/27/15 14:05	11/04/15 17:05	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 17:05	1
2-Nitroaniline	ND		10	0.42	ug/L		10/27/15 14:05	11/04/15 17:05	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/27/15 14:05	11/04/15 17:05	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 17:05	1
3-Nitroaniline	ND		10	0.48	ug/L		10/27/15 14:05	11/04/15 17:05	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 17:05	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 17:05	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 17:05	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 17:05	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 17:05	1
4-Methylphenol	**0.52**	**J**	10	0.36	ug/L		10/27/15 14:05	11/04/15 17:05	1
4-Nitroaniline	ND		10	0.25	ug/L		10/27/15 14:05	11/04/15 17:05	1
4-Nitrophenol	ND		10	1.5	ug/L		10/27/15 14:05	11/04/15 17:05	1
Acenaphthene	ND		5.0	0.41	ug/L		10/27/15 14:05	11/04/15 17:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/27/15 14:05	11/04/15 17:05	1
Acetophenone	ND		5.0	0.54	ug/L		10/27/15 14:05	11/04/15 17:05	1
Anthracene	ND		5.0	0.28	ug/L		10/27/15 14:05	11/04/15 17:05	1
Atrazine	ND		5.0	0.46	ug/L		10/27/15 14:05	11/04/15 17:05	1
Benzaldehyde	**0.77**	**J B**	5.0	0.27	ug/L		10/27/15 14:05	11/04/15 17:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 17:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 17:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/27/15 14:05	11/04/15 17:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 17:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/27/15 14:05	11/04/15 17:05	1
Biphenyl	ND		5.0	0.65	ug/L		10/27/15 14:05	11/04/15 17:05	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/27/15 14:05	11/04/15 17:05	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 17:05	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 17:05	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/27/15 14:05	11/04/15 17:05	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		10/27/15 14:05	11/04/15 17:05	1
Caprolactam	ND		5.0	2.2	ug/L		10/27/15 14:05	11/04/15 17:05	1
Carbazole	ND		5.0	0.30	ug/L		10/27/15 14:05	11/04/15 17:05	1
Chrysene	ND		5.0	0.33	ug/L		10/27/15 14:05	11/04/15 17:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/27/15 14:05	11/04/15 17:05	1
Dibenzofuran	ND		10	0.51	ug/L		10/27/15 14:05	11/04/15 17:05	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/27/15 14:05	11/04/15 17:05	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 17:05	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/27/15 14:05	11/04/15 17:05	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 17:05	1

Client Sample ID: CB-03-F-102215

Date Collected: 10/22/15 10:55
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-18

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 17:05	1
Fluorene	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 17:05	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 17:05	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/27/15 14:05	11/04/15 17:05	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 17:05	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 17:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 17:05	1
Isophorone	ND		5.0	0.43	ug/L		10/27/15 14:05	11/04/15 17:05	1
Naphthalene	ND		5.0	0.76	ug/L		10/27/15 14:05	11/04/15 17:05	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/27/15 14:05	11/04/15 17:05	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/27/15 14:05	11/04/15 17:05	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 17:05	1
Pentachlorophenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 17:05	1
Phenanthrene	ND		5.0	0.44	ug/L		10/27/15 14:05	11/04/15 17:05	1
Phenol	ND		5.0	0.39	ug/L		10/27/15 14:05	11/04/15 17:05	1
Pyrene	ND		5.0	0.34	ug/L		10/27/15 14:05	11/04/15 17:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6.9*	*T J*	*ug/L*		*3.13*		*10/27/15 14:05*	*11/04/15 17:05*	*1*
Unknown	*140*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 17:05*	*1*
2-Butanamine, (.+/-.)-	*3.6*	*T J N*	*ug/L*		*4.30*	*33966-50-6*	*10/27/15 14:05*	*11/04/15 17:05*	*1*
Cyclohexasiloxane, dodecamethyl-	*4.5*	*T J N*	*ug/L*		*7.82*	*540-97-6*	*10/27/15 14:05*	*11/04/15 17:05*	*1*
n-Hexadecanoic acid	*4.8*	*T J N*	*ug/L*		*10.46*	*57-10-3*	*10/27/15 14:05*	*11/04/15 17:05*	*1*
Unknown	*12*	*T J*	*ug/L*		*11.04*		*10/27/15 14:05*	*11/04/15 17:05*	*1*
Octadecanoic acid	*3.1*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 17:05*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 17:05*	*1*
Unknown	*9.1*	*T J*	*ug/L*		*11.91*		*10/27/15 14:05*	*11/04/15 17:05*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 17:05*	*1*
Unknown	*9.8*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 17:05*	*1*
Unknown	*6.0*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 17:05*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 17:05*	*1*
Erucylamide	*4.3*	*T J N*	*ug/L*		*13.43*	*112-84-5*	*10/27/15 14:05*	*11/04/15 17:05*	*1*
Unknown	*10*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 17:05*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 17:05*	*1*
Unknown	*12*	*T J*	*ug/L*		*14.93*		*10/27/15 14:05*	*11/04/15 17:05*	*1*
Unknown	*10*	*T J*	*ug/L*		*16.36*		*10/27/15 14:05*	*11/04/15 17:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*52 - 132*	*10/27/15 14:05*	*11/04/15 17:05*	*1*
2-Fluorobiphenyl	*99*		*48 - 120*	*10/27/15 14:05*	*11/04/15 17:05*	*1*
2-Fluorophenol (Surr)	*64*		*20 - 120*	*10/27/15 14:05*	*11/04/15 17:05*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 120*	*10/27/15 14:05*	*11/04/15 17:05*	*1*
Phenol-d5 (Surr)	*45*		*16 - 120*	*10/27/15 14:05*	*11/04/15 17:05*	*1*
p-Terphenyl-d14 (Surr)	*101*		*67 - 150*	*10/27/15 14:05*	*11/04/15 17:05*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:33	10/24/15 13:06	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:33	10/24/15 13:06	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:33	10/24/15 13:06	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-03-F-102215
Date Collected: 10/22/15 10:55
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-18
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.16**		0.0020	0.00070	mg/L		10/23/15 11:33	10/24/15 13:06	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:33	10/24/15 13:06	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:33	10/24/15 13:06	1
Calcium	**193**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 13:06	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:33	10/24/15 13:06	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:33	10/24/15 13:06	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:33	10/24/15 13:06	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:33	10/24/15 13:06	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:33	10/24/15 13:06	1
Magnesium	**0.096**	**J**	0.20	0.043	mg/L		10/23/15 11:33	10/24/15 13:06	1
Manganese	**0.00050**	**J**	0.0030	0.00040	mg/L		10/23/15 11:33	10/24/15 13:06	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:33	10/24/15 13:06	1
Potassium	**24.0**		0.50	0.10	mg/L		10/23/15 11:33	10/24/15 13:06	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:33	10/24/15 13:06	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:33	10/24/15 13:06	1
Sodium	**76.2**		1.0	0.32	mg/L		10/23/15 11:33	10/24/15 13:06	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:33	10/24/15 13:06	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:33	10/24/15 13:06	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:33	10/24/15 13:06	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-04-102215
Date Collected: 10/22/15 12:42
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-19
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/27/15 14:05	11/04/15 17:35	1
2,4,6-Trichlorophenol	ND		5.1	0.62	ug/L		10/27/15 14:05	11/04/15 17:35	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 17:35	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/27/15 14:05	11/04/15 17:35	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/27/15 14:05	11/04/15 17:35	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 17:35	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 17:35	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/27/15 14:05	11/04/15 17:35	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/27/15 14:05	11/04/15 17:35	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/27/15 14:05	11/04/15 17:35	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 17:35	1
2-Nitroaniline	ND		10	0.43	ug/L		10/27/15 14:05	11/04/15 17:35	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/27/15 14:05	11/04/15 17:35	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 17:35	1
3-Nitroaniline	ND		10	0.49	ug/L		10/27/15 14:05	11/04/15 17:35	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 17:35	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 17:35	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/27/15 14:05	11/04/15 17:35	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/27/15 14:05	11/04/15 17:35	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 17:35	1
4-Methylphenol	**0.45**	**J**	10	0.37	ug/L		10/27/15 14:05	11/04/15 17:35	1
4-Nitroaniline	ND		10	0.25	ug/L		10/27/15 14:05	11/04/15 17:35	1
4-Nitrophenol	ND		10	1.5	ug/L		10/27/15 14:05	11/04/15 17:35	1
Acenaphthene	ND		5.1	0.42	ug/L		10/27/15 14:05	11/04/15 17:35	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/27/15 14:05	11/04/15 17:35	1
Acetophenone	ND		5.1	0.55	ug/L		10/27/15 14:05	11/04/15 17:35	1
Anthracene	ND		5.1	0.29	ug/L		10/27/15 14:05	11/04/15 17:35	1
Atrazine	ND		5.1	0.47	ug/L		10/27/15 14:05	11/04/15 17:35	1
Benzaldehyde	**0.56**	**J B**	5.1	0.27	ug/L		10/27/15 14:05	11/04/15 17:35	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 17:35	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 17:35	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/27/15 14:05	11/04/15 17:35	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 17:35	1
Benzo[k]fluoranthene	ND		5.1	0.74	ug/L		10/27/15 14:05	11/04/15 17:35	1
Biphenyl	ND		5.1	0.66	ug/L		10/27/15 14:05	11/04/15 17:35	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/27/15 14:05	11/04/15 17:35	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/27/15 14:05	11/04/15 17:35	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 17:35	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/27/15 14:05	11/04/15 17:35	1
Butyl benzyl phthalate	ND		5.1	0.43	ug/L		10/27/15 14:05	11/04/15 17:35	1
Caprolactam	ND		5.1	2.2	ug/L		10/27/15 14:05	11/04/15 17:35	1
Carbazole	ND		5.1	0.31	ug/L		10/27/15 14:05	11/04/15 17:35	1
Chrysene	ND		5.1	0.34	ug/L		10/27/15 14:05	11/04/15 17:35	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/27/15 14:05	11/04/15 17:35	1
Dibenzofuran	ND		10	0.52	ug/L		10/27/15 14:05	11/04/15 17:35	1
Diethyl phthalate	ND		5.1	0.22	ug/L		10/27/15 14:05	11/04/15 17:35	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 17:35	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/27/15 14:05	11/04/15 17:35	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 17:35	1

Client Sample ID: CB-04-102215

Date Collected: 10/22/15 12:42
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-19

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/27/15 14:05	11/04/15 17:35	1
Fluorene	ND		5.1	0.37	ug/L		10/27/15 14:05	11/04/15 17:35	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 17:35	1
Hexachlorobutadiene	ND		5.1	0.69	ug/L		10/27/15 14:05	11/04/15 17:35	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/27/15 14:05	11/04/15 17:35	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/27/15 14:05	11/04/15 17:35	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:05	11/04/15 17:35	1
Isophorone	ND		5.1	0.44	ug/L		10/27/15 14:05	11/04/15 17:35	1
Naphthalene	ND		5.1	0.77	ug/L		10/27/15 14:05	11/04/15 17:35	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/27/15 14:05	11/04/15 17:35	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/27/15 14:05	11/04/15 17:35	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/27/15 14:05	11/04/15 17:35	1
Pentachlorophenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 17:35	1
Phenanthrene	ND		5.1	0.45	ug/L		10/27/15 14:05	11/04/15 17:35	1
Phenol	ND		5.1	0.40	ug/L		10/27/15 14:05	11/04/15 17:35	1
Pyrene	ND		5.1	0.35	ug/L		10/27/15 14:05	11/04/15 17:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.5*	*T J*	*ug/L*		*3.13*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*120*	*T J*	*ug/L*		*3.39*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*4.9*	*T J*	*ug/L*		*7.82*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*8.58*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*10.69*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*20*	*T J*	*ug/L*		*11.05*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Octadecanoic acid	*4.2*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*6.6*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*35*	*T J*	*ug/L*		*11.93*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*3.2*	*T J*	*ug/L*		*12.25*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*13*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*14*	*T J*	*ug/L*		*12.92*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*4.1*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*14*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*4.0*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*17*	*T J*	*ug/L*		*14.94*		*10/27/15 14:05*	*11/04/15 17:35*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*15.98*		*10/27/15 14:05*	*11/04/15 17:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*52 - 132*	*10/27/15 14:05*	*11/04/15 17:35*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*10/27/15 14:05*	*11/04/15 17:35*	*1*
2-Fluorophenol (Surr)	*61*		*20 - 120*	*10/27/15 14:05*	*11/04/15 17:35*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*10/27/15 14:05*	*11/04/15 17:35*	*1*
Phenol-d5 (Surr)	*46*		*16 - 120*	*10/27/15 14:05*	*11/04/15 17:35*	*1*
p-Terphenyl-d14 (Surr)	*104*		*67 - 150*	*10/27/15 14:05*	*11/04/15 17:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:35	10/24/15 09:50	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:35	10/24/15 09:50	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:35	10/24/15 09:50	1
Barium	**0.15**		0.0020	0.00070	mg/L		10/23/15 11:35	10/24/15 09:50	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-04-102215
Date Collected: 10/22/15 12:42
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-19
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:35	10/24/15 09:50	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:35	10/24/15 09:50	1
Calcium	**183**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 09:50	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:35	10/24/15 09:50	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:35	10/24/15 09:50	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:35	10/24/15 09:50	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:35	10/24/15 09:50	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:35	10/24/15 09:50	1
Magnesium	**0.13**	**J**	0.20	0.043	mg/L		10/23/15 11:35	10/24/15 09:50	1
Manganese	**0.0021**	**J**	0.0030	0.00040	mg/L		10/23/15 11:35	10/24/15 09:50	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:35	10/24/15 09:50	1
Potassium	**25.2**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 09:50	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:35	10/24/15 09:50	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:35	10/24/15 09:50	1
Sodium	**76.9**		1.0	0.32	mg/L		10/23/15 11:35	10/24/15 09:50	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:35	10/24/15 09:50	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:35	10/24/15 09:50	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:35	10/24/15 09:50	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-04-F-102215
Date Collected: 10/22/15 12:46
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-20
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/27/15 14:05	11/04/15 18:04	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/27/15 14:05	11/04/15 18:04	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 18:04	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/27/15 14:05	11/04/15 18:04	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 18:04	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 18:04	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 18:04	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/27/15 14:05	11/04/15 18:04	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/27/15 14:05	11/04/15 18:04	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/27/15 14:05	11/04/15 18:04	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 18:04	1
2-Nitroaniline	ND		10	0.42	ug/L		10/27/15 14:05	11/04/15 18:04	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/27/15 14:05	11/04/15 18:04	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 18:04	1
3-Nitroaniline	ND		10	0.48	ug/L		10/27/15 14:05	11/04/15 18:04	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 18:04	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 18:04	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/27/15 14:05	11/04/15 18:04	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 18:04	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 18:04	1
4-Methylphenol	**0.57**	**J**	10	0.36	ug/L		10/27/15 14:05	11/04/15 18:04	1
4-Nitroaniline	ND		10	0.25	ug/L		10/27/15 14:05	11/04/15 18:04	1
4-Nitrophenol	ND		10	1.5	ug/L		10/27/15 14:05	11/04/15 18:04	1
Acenaphthene	ND		5.0	0.41	ug/L		10/27/15 14:05	11/04/15 18:04	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/27/15 14:05	11/04/15 18:04	1
Acetophenone	ND		5.0	0.54	ug/L		10/27/15 14:05	11/04/15 18:04	1
Anthracene	ND		5.0	0.28	ug/L		10/27/15 14:05	11/04/15 18:04	1
Atrazine	ND		5.0	0.46	ug/L		10/27/15 14:05	11/04/15 18:04	1
Benzaldehyde	**0.66**	**J B**	5.0	0.27	ug/L		10/27/15 14:05	11/04/15 18:04	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 18:04	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 18:04	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/27/15 14:05	11/04/15 18:04	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 18:04	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/27/15 14:05	11/04/15 18:04	1
Biphenyl	ND		5.0	0.65	ug/L		10/27/15 14:05	11/04/15 18:04	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/27/15 14:05	11/04/15 18:04	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/27/15 14:05	11/04/15 18:04	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 18:04	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/27/15 14:05	11/04/15 18:04	1
Butyl benzyl phthalate	ND		5.0	0.42	ug/L		10/27/15 14:05	11/04/15 18:04	1
Caprolactam	ND		5.0	2.2	ug/L		10/27/15 14:05	11/04/15 18:04	1
Carbazole	ND		5.0	0.30	ug/L		10/27/15 14:05	11/04/15 18:04	1
Chrysene	ND		5.0	0.33	ug/L		10/27/15 14:05	11/04/15 18:04	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/27/15 14:05	11/04/15 18:04	1
Dibenzofuran	ND		10	0.51	ug/L		10/27/15 14:05	11/04/15 18:04	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/27/15 14:05	11/04/15 18:04	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 18:04	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/27/15 14:05	11/04/15 18:04	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 18:04	1

Client Sample ID: CB-04-F-102215

Date Collected: 10/22/15 12:46
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-20

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/27/15 14:05	11/04/15 18:04	1
Fluorene	ND		5.0	0.36	ug/L		10/27/15 14:05	11/04/15 18:04	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 18:04	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/27/15 14:05	11/04/15 18:04	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 18:04	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/27/15 14:05	11/04/15 18:04	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:05	11/04/15 18:04	1
Isophorone	ND		5.0	0.43	ug/L		10/27/15 14:05	11/04/15 18:04	1
Naphthalene	ND		5.0	0.76	ug/L		10/27/15 14:05	11/04/15 18:04	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/27/15 14:05	11/04/15 18:04	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/27/15 14:05	11/04/15 18:04	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/27/15 14:05	11/04/15 18:04	1
Pentachlorophenol	ND		10	2.2	ug/L		10/27/15 14:05	11/04/15 18:04	1
Phenanthrene	ND		5.0	0.44	ug/L		10/27/15 14:05	11/04/15 18:04	1
Phenol	**0.42**	**J**	5.0	0.39	ug/L		10/27/15 14:05	11/04/15 18:04	1
Pyrene	ND		5.0	0.34	ug/L		10/27/15 14:05	11/04/15 18:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.1*	*T J*	*ug/L*		*3.25*		*10/27/15 14:05*	*11/04/15 18:04*	*1*
Unknown	*140*	*T J*	*ug/L*		*3.38*		*10/27/15 14:05*	*11/04/15 18:04*	*1*
Decane	*3.2*	*T J N*	*ug/L*		*6.14*	*124-18-5*	*10/27/15 14:05*	*11/04/15 18:04*	*1*
Cyclohexasiloxane, dodecamethyl-	*2.3*	*T J N*	*ug/L*		*7.82*	*540-97-6*	*10/27/15 14:05*	*11/04/15 18:04*	*1*
n-Hexadecanoic acid	*4.8*	*T J N*	*ug/L*		*10.46*	*57-10-3*	*10/27/15 14:05*	*11/04/15 18:04*	*1*
Unknown	*9.6*	*T J*	*ug/L*		*11.04*		*10/27/15 14:05*	*11/04/15 18:04*	*1*
Octadecanoic acid	*3.4*	*T J N*	*ug/L*		*11.10*	*57-11-4*	*10/27/15 14:05*	*11/04/15 18:04*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*11.55*		*10/27/15 14:05*	*11/04/15 18:04*	*1*
Unknown	*6.6*	*T J*	*ug/L*		*11.91*		*10/27/15 14:05*	*11/04/15 18:04*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*12.26*		*10/27/15 14:05*	*11/04/15 18:04*	*1*
Unknown	*7.3*	*T J*	*ug/L*		*12.51*		*10/27/15 14:05*	*11/04/15 18:04*	*1*
Unknown	*4.5*	*T J*	*ug/L*		*12.91*		*10/27/15 14:05*	*11/04/15 18:04*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*13.34*		*10/27/15 14:05*	*11/04/15 18:04*	*1*
Unknown	*7.5*	*T J*	*ug/L*		*13.64*		*10/27/15 14:05*	*11/04/15 18:04*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*14.60*		*10/27/15 14:05*	*11/04/15 18:04*	*1*
Unknown	*8.7*	*T J*	*ug/L*		*14.93*		*10/27/15 14:05*	*11/04/15 18:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*52 - 132*	*10/27/15 14:05*	*11/04/15 18:04*	*1*
2-Fluorobiphenyl	*102*		*48 - 120*	*10/27/15 14:05*	*11/04/15 18:04*	*1*
2-Fluorophenol (Surr)	*70*		*20 - 120*	*10/27/15 14:05*	*11/04/15 18:04*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 120*	*10/27/15 14:05*	*11/04/15 18:04*	*1*
Phenol-d5 (Surr)	*54*		*16 - 120*	*10/27/15 14:05*	*11/04/15 18:04*	*1*
p-Terphenyl-d14 (Surr)	*109*		*67 - 150*	*10/27/15 14:05*	*11/04/15 18:04*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:35	10/24/15 09:53	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:35	10/24/15 09:53	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:35	10/24/15 09:53	1
Barium	**0.15**		0.0020	0.00070	mg/L		10/23/15 11:35	10/24/15 09:53	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:35	10/24/15 09:53	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-04-F-102215
Date Collected: 10/22/15 12:46
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-20
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:35	10/24/15 09:53	1
Calcium	**173**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 09:53	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:35	10/24/15 09:53	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:35	10/24/15 09:53	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:35	10/24/15 09:53	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:35	10/24/15 09:53	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:35	10/24/15 09:53	1
Magnesium	**0.10**	**J**	0.20	0.043	mg/L		10/23/15 11:35	10/24/15 09:53	1
Manganese	ND		0.0030	0.00040	mg/L		10/23/15 11:35	10/24/15 09:53	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:35	10/24/15 09:53	1
Potassium	**24.7**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 09:53	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:35	10/24/15 09:53	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:35	10/24/15 09:53	1
Sodium	**75.2**		1.0	0.32	mg/L		10/23/15 11:35	10/24/15 09:53	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:35	10/24/15 09:53	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:35	10/24/15 09:53	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:35	10/24/15 09:53	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-07-102215
Date Collected: 10/22/15 08:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 03:24	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 11:40	TRB	TAL BUF

Client Sample ID: CB-07-F-102215
Date Collected: 10/22/15 08:05
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 03:53	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 11:43	TRB	TAL BUF

Client Sample ID: CB-09-102215
Date Collected: 10/22/15 09:30
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 04:22	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 11:46	TRB	TAL BUF

Client Sample ID: CB-09-F-102215
Date Collected: 10/22/15 09:33
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 04:50	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 11:50	TRB	TAL BUF

Client Sample ID: CB-30-102215
Date Collected: 10/22/15 10:25
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 05:19	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-30-102215
Date Collected: 10/22/15 10:25
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	271017	10/24/15 11:53	TRB	TAL BUF

Client Sample ID: CB-30-F-102215
Date Collected: 10/22/15 10:28
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 05:48	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 12:05	TRB	TAL BUF

Client Sample ID: CB-16-102215
Date Collected: 10/22/15 10:55
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 06:16	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 12:09	TRB	TAL BUF

Client Sample ID: CB-16-F-102215
Date Collected: 10/22/15 10:58
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 06:45	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 12:12	TRB	TAL BUF

Client Sample ID: MW-UNK-102215
Date Collected: 10/22/15 13:00
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 07:14	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 12:15	TRB	TAL BUF
Total/NA	Prep	9012B			272043	10/29/15 20:30	MGH	TAL BUF
Total/NA	Analysis	9012B		1	272185	10/30/15 11:42	JJK	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: MW-UNK-F-102215

Lab Sample ID: 480-89685-10

Date Collected: 10/22/15 13:05

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 07:42	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 12:18	TRB	TAL BUF
Total/NA	Prep	9012B			272043	10/29/15 20:30	MGH	TAL BUF
Total/NA	Analysis	9012B		1	272185	10/30/15 11:44	JJK	TAL BUF

Client Sample ID: FB-102215

Lab Sample ID: 480-89685-11

Date Collected: 10/22/15 15:00

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 08:12	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 12:21	TRB	TAL BUF
Total/NA	Prep	9012B			272043	10/29/15 20:30	MGH	TAL BUF
Total/NA	Analysis	9012B		1	272185	10/30/15 11:45	JJK	TAL BUF

Client Sample ID: CB-01-102215

Lab Sample ID: 480-89685-12

Date Collected: 10/22/15 08:55

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 08:40	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 12:25	TRB	TAL BUF

Client Sample ID: CB-01-F-102215

Lab Sample ID: 480-89685-13

Date Collected: 10/22/15 09:00

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272964	11/04/15 14:47	LMW	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 12:28	TRB	TAL BUF

Client Sample ID: CB-02-102215

Lab Sample ID: 480-89685-14

Date Collected: 10/22/15 10:00

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 09:38	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 12:53	TRB	TAL BUF

Client Sample ID: CB-02-F-102215

Lab Sample ID: 480-89685-15

Date Collected: 10/22/15 10:05

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272753	11/04/15 10:07	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 12:56	TRB	TAL BUF

Client Sample ID: CB-DUP-03-102215

Lab Sample ID: 480-89685-16

Date Collected: 10/22/15 10:10

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	273052	11/04/15 16:06	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 13:00	TRB	TAL BUF

Client Sample ID: CB-03-102215

Lab Sample ID: 480-89685-17

Date Collected: 10/22/15 10:50

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	273052	11/04/15 16:36	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271017	10/24/15 13:03	TRB	TAL BUF

Client Sample ID: CB-03-F-102215

Lab Sample ID: 480-89685-18

Date Collected: 10/22/15 10:55

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	273052	11/04/15 17:05	PJQ	TAL BUF
Total/NA	Prep	3005A			270667	10/23/15 11:33	CNS	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Client Sample ID: CB-03-F-102215

Lab Sample ID: 480-89685-18

Date Collected: 10/22/15 10:55

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	271017	10/24/15 13:06	TRB	TAL BUF

Client Sample ID: CB-04-102215

Lab Sample ID: 480-89685-19

Date Collected: 10/22/15 12:42

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	273052	11/04/15 17:35	PJQ	TAL BUF
Total/NA	Prep	3005A			270668	10/23/15 11:35	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271016	10/24/15 09:50	TRB	TAL BUF

Client Sample ID: CB-04-F-102215

Lab Sample ID: 480-89685-20

Date Collected: 10/22/15 12:46

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271401	10/27/15 14:05	CPH	TAL BUF
Total/NA	Analysis	8270D		1	273052	11/04/15 18:04	PJQ	TAL BUF
Total/NA	Prep	3005A			270668	10/23/15 11:35	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271016	10/24/15 09:53	TRB	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89685-1	CB-07-102215	Water	10/22/15 08:00	10/22/15 17:30
480-89685-2	CB-07-F-102215	Water	10/22/15 08:05	10/22/15 17:30
480-89685-3	CB-09-102215	Water	10/22/15 09:30	10/22/15 17:30
480-89685-4	CB-09-F-102215	Water	10/22/15 09:33	10/22/15 17:30
480-89685-5	CB-30-102215	Water	10/22/15 10:25	10/22/15 17:30
480-89685-6	CB-30-F-102215	Water	10/22/15 10:28	10/22/15 17:30
480-89685-7	CB-16-102215	Water	10/22/15 10:55	10/22/15 17:30
480-89685-8	CB-16-F-102215	Water	10/22/15 10:58	10/22/15 17:30
480-89685-9	MW-UNK-102215	Water	10/22/15 13:00	10/22/15 17:30
480-89685-10	MW-UNK-F-102215	Water	10/22/15 13:05	10/22/15 17:30
480-89685-11	FB-102215	Water	10/22/15 15:00	10/22/15 17:30
480-89685-12	CB-01-102215	Water	10/22/15 08:55	10/22/15 17:30
480-89685-13	CB-01-F-102215	Water	10/22/15 09:00	10/22/15 17:30
480-89685-14	CB-02-102215	Water	10/22/15 10:00	10/22/15 17:30
480-89685-15	CB-02-F-102215	Water	10/22/15 10:05	10/22/15 17:30
480-89685-16	CB-DUP-03-102215	Water	10/22/15 10:10	10/22/15 17:30
480-89685-17	CB-03-102215	Water	10/22/15 10:50	10/22/15 17:30
480-89685-18	CB-03-F-102215	Water	10/22/15 10:55	10/22/15 17:30
480-89685-19	CB-04-102215	Water	10/22/15 12:42	10/22/15 17:30
480-89685-20	CB-04-F-102215	Water	10/22/15 12:46	10/22/15 17:30

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Picuras	10/22/15	292043
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 3**
11 British American Blvd.	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270 Field Filt	TAL Metals Field Filt	TOC 9060	Special Instructions/ Conditions of Receipt
CB-07-102215	10/22/15	800		X			2		1				X	X		
CB-07-F-102215	"	805		X			2		1				X	X		
CB-09-102215	"	930		X			2		1				X	X		
CB-09-F-102215	"	933		X			2		1				X	X		
CB-30-102215	"	1025		X			2		1				X	X		
CB-30-F-102215	"	1028		X			2		1				X	X		
CB-16-102215	"	1055		X			2		1				X	X		
CB-16-~~F~~-102215	"	1058		X			2		1				X	X		
MW-UNK-102215	"	1300		X			2		1		1		X	X	X	
MW-UNK-~~102~~F-102215	"	1305		X			2		1		1		X	X	X	
FB-102215	"	1500		X			2		1		1		X	X	X	
CB-01-102215	"	855		X			2		1				X	X		

480-89685 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
L ESTRADA	10/22/15	1600	Matt. Pino TABUPPARD	10/22/15	1600
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
Matt. Pino TABUPPARD	10/22/15	1730		10/22/15	1730
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments

3.4, 4.11, 3.9 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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11/5/2015

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Shell		10/22/15	292042
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 3**
City / **State** / **Zip Code**	**Site Contact** Same	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL Metals Gold	Special Instructions/ Conditions of Receipt
CB-01-F-102215	10/22/15	900		X			2	1					X	X	
CB-MS-03-102215	"	905		X			2	1					X	X	
CB-MSD-03-102215	"	905		X			2	1					X	X	
CB-02-102215	"	1000		X			2	1					X	X	
CB-02-F-102215	"	1005		X			2	1					X	X	
CB-DUP-03-102215	"	1010		X			2	1					X	X	
CB-03-102215	"	1050		X			2	1					X	X	
CB-03-F-102215	"	1055		X			2	2					X	X	
CB-04-102215	"	1242		X			2	1					X	X	
CB-04-F-102215	"	1246		X			2	1					X	X	
BASIN-1-102215	"	1342		X			2	1					X	X	
BASIN-1-F-102215	"	1347		X			2	1					X	X	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1	LIA ESTRADA	10/22/15	1606	TA Buffalo	10/22/15	1606
2	TA Buffalo	10/22/15	1730		10/22/15	1730
3						

Comments

3,4,6,1,3,9 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Address	Telephone Number (Area Code)/Fax Number		Lab Number
City / State / Zip Code	Site Contact	Lab Contact	Page 3 of 3
Project Name and Location (State)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed): SVOCs 8270D; TAL M. 6010C

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH
BASIN-MS-04-102215	10/22/15	1352		X			2		1			
BASIN-MSD-04-102215	"	1352		X			2		1			
BASIN-2-102215	"	1511		X			2		1			
BASIN-2-F-102215	"	1516		X			2		1			
BASIN-3-102215	"	1428		X			2		1			
BASIN-3-F-102215	"	1432		X			2		1			
BASIN-DUP-04-102215	"	1437		X			2		1			

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	LIA ESTRADA	10/22/15	1606	TA BUFFALO	10/22/15	1606
2.	TA BUFFALO	10/22/15	1730		10/22/15	1730
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-89685-1

Login Number: 89685
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CDM SMITH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89685-2
Client Project/Site: Buffalo Lakeside #915193A

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Ms. Heide-Marie Dudek

Authorized for release by:
11/5/2015 11:25:05 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
11/5/2015 11:25:06 PM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-89685-2

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89685-2

Receipt
The samples were received on 10/22/2015 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 3.4º C, 3.9º C and 4.1º C.

Receipt Exceptions
Matrix QC was logged based upon order of the COC, as times do not match up.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-272430 recovered above the upper control limit for Benzo(g,h,i)perylene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: BASIN-1-102215 (480-89685-21), BASIN-1-F-102215 (480-89685-22), BASIN-2-102215 (480-89685-23), BASIN-2-F-102215 (480-89685-24), BASIN-3-102215 (480-89685-25), BASIN-3-F-102215 (480-89685-26) and BASIN-DUP-04-102215 (480-89685-27).

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-272430 was outside the method criteria for the following analytes: 2,2-oxybis[1-chloropropane], 4-Chloroaniline and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes are considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Client Sample ID: BASIN-1-102215
Date Collected: 10/22/15 13:42
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-21
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/27/15 14:31	11/01/15 19:42	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/27/15 14:31	11/01/15 19:42	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/27/15 14:31	11/01/15 19:42	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/27/15 14:31	11/01/15 19:42	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/27/15 14:31	11/01/15 19:42	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/27/15 14:31	11/01/15 19:42	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 19:42	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/27/15 14:31	11/01/15 19:42	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/27/15 14:31	11/01/15 19:42	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/27/15 14:31	11/01/15 19:42	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 19:42	1
2-Nitroaniline	ND		10	0.42	ug/L		10/27/15 14:31	11/01/15 19:42	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/27/15 14:31	11/01/15 19:42	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 19:42	1
3-Nitroaniline	ND		10	0.48	ug/L		10/27/15 14:31	11/01/15 19:42	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/27/15 14:31	11/01/15 19:42	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/27/15 14:31	11/01/15 19:42	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/27/15 14:31	11/01/15 19:42	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/27/15 14:31	11/01/15 19:42	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/27/15 14:31	11/01/15 19:42	1
4-Methylphenol	**0.37**	**J**	10	0.36	ug/L		10/27/15 14:31	11/01/15 19:42	1
4-Nitroaniline	ND		10	0.25	ug/L		10/27/15 14:31	11/01/15 19:42	1
4-Nitrophenol	ND		10	1.5	ug/L		10/27/15 14:31	11/01/15 19:42	1
Acenaphthene	ND		5.0	0.41	ug/L		10/27/15 14:31	11/01/15 19:42	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/27/15 14:31	11/01/15 19:42	1
Acetophenone	ND		5.0	0.54	ug/L		10/27/15 14:31	11/01/15 19:42	1
Anthracene	ND		5.0	0.28	ug/L		10/27/15 14:31	11/01/15 19:42	1
Atrazine	ND		5.0	0.46	ug/L		10/27/15 14:31	11/01/15 19:42	1
Benzaldehyde	**0.29**	**J**	5.0	0.27	ug/L		10/27/15 14:31	11/01/15 19:42	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/27/15 14:31	11/01/15 19:42	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:31	11/01/15 19:42	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/27/15 14:31	11/01/15 19:42	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/27/15 14:31	11/01/15 19:42	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/27/15 14:31	11/01/15 19:42	1
Biphenyl	ND		5.0	0.65	ug/L		10/27/15 14:31	11/01/15 19:42	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/27/15 14:31	11/01/15 19:42	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/27/15 14:31	11/01/15 19:42	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 19:42	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/27/15 14:31	11/01/15 19:42	1
Butyl benzyl phthalate	**0.61**	**J B**	5.0	0.42	ug/L		10/27/15 14:31	11/01/15 19:42	1
Caprolactam	ND		5.0	2.2	ug/L		10/27/15 14:31	11/01/15 19:42	1
Carbazole	ND		5.0	0.30	ug/L		10/27/15 14:31	11/01/15 19:42	1
Chrysene	ND		5.0	0.33	ug/L		10/27/15 14:31	11/01/15 19:42	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/27/15 14:31	11/01/15 19:42	1
Dibenzofuran	ND		10	0.51	ug/L		10/27/15 14:31	11/01/15 19:42	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/27/15 14:31	11/01/15 19:42	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/27/15 14:31	11/01/15 19:42	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/27/15 14:31	11/01/15 19:42	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/27/15 14:31	11/01/15 19:42	1

Client Sample ID: BASIN-1-102215

Date Collected: 10/22/15 13:42
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-21
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 19:42	1
Fluorene	ND		5.0	0.36	ug/L		10/27/15 14:31	11/01/15 19:42	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/27/15 14:31	11/01/15 19:42	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/27/15 14:31	11/01/15 19:42	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/27/15 14:31	11/01/15 19:42	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/27/15 14:31	11/01/15 19:42	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:31	11/01/15 19:42	1
Isophorone	ND		5.0	0.43	ug/L		10/27/15 14:31	11/01/15 19:42	1
Naphthalene	ND		5.0	0.76	ug/L		10/27/15 14:31	11/01/15 19:42	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/27/15 14:31	11/01/15 19:42	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/27/15 14:31	11/01/15 19:42	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/27/15 14:31	11/01/15 19:42	1
Pentachlorophenol	ND		10	2.2	ug/L		10/27/15 14:31	11/01/15 19:42	1
Phenanthrene	ND		5.0	0.44	ug/L		10/27/15 14:31	11/01/15 19:42	1
Phenol	ND		5.0	0.39	ug/L		10/27/15 14:31	11/01/15 19:42	1
Pyrene	ND		5.0	0.34	ug/L		10/27/15 14:31	11/01/15 19:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.2*	*T J*	*ug/L*		*3.27*		*10/27/15 14:31*	*11/01/15 19:42*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*3.46*		*10/27/15 14:31*	*11/01/15 19:42*	*1*
Cyclohexane	*26*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/27/15 14:31*	*11/01/15 19:42*	*1*
Unknown	*150*	*T J*	*ug/L*		*3.69*		*10/27/15 14:31*	*11/01/15 19:42*	*1*
Unknown	*24*	*T J*	*ug/L*		*5.43*		*10/27/15 14:31*	*11/01/15 19:42*	*1*
Decane	*2.9*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/27/15 14:31*	*11/01/15 19:42*	*1*
Unknown	*4.2*	*T J*	*ug/L*		*11.75*		*10/27/15 14:31*	*11/01/15 19:42*	*1*
Unknown	*1.6*	*T J*	*ug/L*		*12.36*		*10/27/15 14:31*	*11/01/15 19:42*	*1*
Unknown	*7.2*	*T J*	*ug/L*		*12.84*		*10/27/15 14:31*	*11/01/15 19:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*52 - 132*	*10/27/15 14:31*	*11/01/15 19:42*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*10/27/15 14:31*	*11/01/15 19:42*	*1*
2-Fluorophenol (Surr)	*55*		*20 - 120*	*10/27/15 14:31*	*11/01/15 19:42*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 120*	*10/27/15 14:31*	*11/01/15 19:42*	*1*
Phenol-d5 (Surr)	*38*		*16 - 120*	*10/27/15 14:31*	*11/01/15 19:42*	*1*
p-Terphenyl-d14 (Surr)	*92*		*67 - 150*	*10/27/15 14:31*	*11/01/15 19:42*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:35	10/24/15 09:57	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:35	10/24/15 09:57	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:35	10/24/15 09:57	1
Barium	**0.16**		0.0020	0.00070	mg/L		10/23/15 11:35	10/24/15 09:57	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:35	10/24/15 09:57	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:35	10/24/15 09:57	1
Calcium	**178**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 09:57	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:35	10/24/15 09:57	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:35	10/24/15 09:57	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:35	10/24/15 09:57	1
Iron	**0.022**	**J**	0.050	0.019	mg/L		10/23/15 11:35	10/24/15 09:57	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:35	10/24/15 09:57	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Client Sample ID: BASIN-1-102215
Date Collected: 10/22/15 13:42
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-21
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**0.12**	**J**	0.20	0.043	mg/L		10/23/15 11:35	10/24/15 09:57	1
Manganese	**0.0019**	**J**	0.0030	0.00040	mg/L		10/23/15 11:35	10/24/15 09:57	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:35	10/24/15 09:57	1
Potassium	**25.4**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 09:57	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:35	10/24/15 09:57	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:35	10/24/15 09:57	1
Sodium	**76.3**		1.0	0.32	mg/L		10/23/15 11:35	10/24/15 09:57	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:35	10/24/15 09:57	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:35	10/24/15 09:57	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:35	10/24/15 09:57	1

Client Sample ID: BASIN-1-F-102215
Date Collected: 10/22/15 13:47
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-22
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/27/15 14:31	11/01/15 20:11	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/27/15 14:31	11/01/15 20:11	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/27/15 14:31	11/01/15 20:11	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/27/15 14:31	11/01/15 20:11	1
2,4-Dinitrophenol	ND	F1 F2	10	2.2	ug/L		10/27/15 14:31	11/01/15 20:11	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/27/15 14:31	11/01/15 20:11	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 20:11	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/27/15 14:31	11/01/15 20:11	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/27/15 14:31	11/01/15 20:11	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/27/15 14:31	11/01/15 20:11	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 20:11	1
2-Nitroaniline	ND		10	0.42	ug/L		10/27/15 14:31	11/01/15 20:11	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/27/15 14:31	11/01/15 20:11	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 20:11	1
3-Nitroaniline	ND	F1	10	0.48	ug/L		10/27/15 14:31	11/01/15 20:11	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/27/15 14:31	11/01/15 20:11	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/27/15 14:31	11/01/15 20:11	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/27/15 14:31	11/01/15 20:11	1
4-Chloroaniline	ND	F1	5.0	0.59	ug/L		10/27/15 14:31	11/01/15 20:11	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/27/15 14:31	11/01/15 20:11	1
4-Methylphenol	**0.40**	**J**	10	0.36	ug/L		10/27/15 14:31	11/01/15 20:11	1
4-Nitroaniline	ND		10	0.25	ug/L		10/27/15 14:31	11/01/15 20:11	1
4-Nitrophenol	ND		10	1.5	ug/L		10/27/15 14:31	11/01/15 20:11	1
Acenaphthene	ND		5.0	0.41	ug/L		10/27/15 14:31	11/01/15 20:11	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/27/15 14:31	11/01/15 20:11	1
Acetophenone	ND		5.0	0.54	ug/L		10/27/15 14:31	11/01/15 20:11	1
Anthracene	ND		5.0	0.28	ug/L		10/27/15 14:31	11/01/15 20:11	1
Atrazine	ND		5.0	0.46	ug/L		10/27/15 14:31	11/01/15 20:11	1
Benzaldehyde	**0.37**	**J**	5.0	0.27	ug/L		10/27/15 14:31	11/01/15 20:11	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/27/15 14:31	11/01/15 20:11	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:31	11/01/15 20:11	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/27/15 14:31	11/01/15 20:11	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/27/15 14:31	11/01/15 20:11	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/27/15 14:31	11/01/15 20:11	1
Biphenyl	ND		5.0	0.65	ug/L		10/27/15 14:31	11/01/15 20:11	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/27/15 14:31	11/01/15 20:11	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/27/15 14:31	11/01/15 20:11	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 20:11	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/27/15 14:31	11/01/15 20:11	1
Butyl benzyl phthalate	**0.63**	**J B**	5.0	0.42	ug/L		10/27/15 14:31	11/01/15 20:11	1
Caprolactam	ND		5.0	2.2	ug/L		10/27/15 14:31	11/01/15 20:11	1
Carbazole	ND		5.0	0.30	ug/L		10/27/15 14:31	11/01/15 20:11	1
Chrysene	ND		5.0	0.33	ug/L		10/27/15 14:31	11/01/15 20:11	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/27/15 14:31	11/01/15 20:11	1
Dibenzofuran	ND		10	0.51	ug/L		10/27/15 14:31	11/01/15 20:11	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/27/15 14:31	11/01/15 20:11	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/27/15 14:31	11/01/15 20:11	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/27/15 14:31	11/01/15 20:11	1
Di-n-octyl phthalate	**0.71**	**J**	5.0	0.47	ug/L		10/27/15 14:31	11/01/15 20:11	1

Client Sample ID: BASIN-1-F-102215

Date Collected: 10/22/15 13:47
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-22

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 20:11	1
Fluorene	ND		5.0	0.36	ug/L		10/27/15 14:31	11/01/15 20:11	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/27/15 14:31	11/01/15 20:11	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/27/15 14:31	11/01/15 20:11	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/27/15 14:31	11/01/15 20:11	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/27/15 14:31	11/01/15 20:11	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:31	11/01/15 20:11	1
Isophorone	ND		5.0	0.43	ug/L		10/27/15 14:31	11/01/15 20:11	1
Naphthalene	ND		5.0	0.76	ug/L		10/27/15 14:31	11/01/15 20:11	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/27/15 14:31	11/01/15 20:11	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/27/15 14:31	11/01/15 20:11	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/27/15 14:31	11/01/15 20:11	1
Pentachlorophenol	ND		10	2.2	ug/L		10/27/15 14:31	11/01/15 20:11	1
Phenanthrene	ND		5.0	0.44	ug/L		10/27/15 14:31	11/01/15 20:11	1
Phenol	ND		5.0	0.39	ug/L		10/27/15 14:31	11/01/15 20:11	1
Pyrene	ND		5.0	0.34	ug/L		10/27/15 14:31	11/01/15 20:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.9*	*T J*	*ug/L*		*3.27*		*10/27/15 14:31*	*11/01/15 20:11*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*3.46*		*10/27/15 14:31*	*11/01/15 20:11*	*1*
Cyclohexane	*26*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/27/15 14:31*	*11/01/15 20:11*	*1*
Unknown	*160*	*T J*	*ug/L*		*3.69*		*10/27/15 14:31*	*11/01/15 20:11*	*1*
Formamide, N,N-dimethyl-	*4.9*	*T J N*	*ug/L*		*4.81*	*68-12-2*	*10/27/15 14:31*	*11/01/15 20:11*	*1*
Unknown	*13*	*T J*	*ug/L*		*5.43*		*10/27/15 14:31*	*11/01/15 20:11*	*1*
Decane	*3.2*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/27/15 14:31*	*11/01/15 20:11*	*1*
2-Pyrrolidinone, 1-methyl-	*2.5*	*T J N*	*ug/L*		*6.95*	*872-50-4*	*10/27/15 14:31*	*11/01/15 20:11*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*12*	*T J N*	*ug/L*		*9.37*	*96-76-4*	*10/27/15 14:31*	*11/01/15 20:11*	*1*
Diphenyl sulfone	*10*	*T J N*	*ug/L*		*11.16*	*127-63-9*	*10/27/15 14:31*	*11/01/15 20:11*	*1*
Unknown	*4.4*	*T J*	*ug/L*		*11.75*		*10/27/15 14:31*	*11/01/15 20:11*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*12.36*		*10/27/15 14:31*	*11/01/15 20:11*	*1*
Unknown	*5.8*	*T J*	*ug/L*		*12.84*		*10/27/15 14:31*	*11/01/15 20:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*52 - 132*	*10/27/15 14:31*	*11/01/15 20:11*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*10/27/15 14:31*	*11/01/15 20:11*	*1*
2-Fluorophenol (Surr)	*57*		*20 - 120*	*10/27/15 14:31*	*11/01/15 20:11*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 120*	*10/27/15 14:31*	*11/01/15 20:11*	*1*
Phenol-d5 (Surr)	*39*		*16 - 120*	*10/27/15 14:31*	*11/01/15 20:11*	*1*
p-Terphenyl-d14 (Surr)	*90*		*67 - 150*	*10/27/15 14:31*	*11/01/15 20:11*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:35	10/24/15 10:09	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:35	10/24/15 10:09	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:35	10/24/15 10:09	1
Barium	**0.14**		0.0020	0.00070	mg/L		10/23/15 11:35	10/24/15 10:09	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:35	10/24/15 10:09	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:35	10/24/15 10:09	1
Calcium	**158**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 10:09	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:35	10/24/15 10:09	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Client Sample ID: BASIN-1-F-102215
Date Collected: 10/22/15 13:47
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-22
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:35	10/24/15 10:09	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:35	10/24/15 10:09	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:35	10/24/15 10:09	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:35	10/24/15 10:09	1
Magnesium	**0.097**	**J**	0.20	0.043	mg/L		10/23/15 11:35	10/24/15 10:09	1
Manganese	ND		0.0030	0.00040	mg/L		10/23/15 11:35	10/24/15 10:09	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:35	10/24/15 10:09	1
Potassium	**25.2**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 10:09	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:35	10/24/15 10:09	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:35	10/24/15 10:09	1
Sodium	**75.5**		1.0	0.32	mg/L		10/23/15 11:35	10/24/15 10:09	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:35	10/24/15 10:09	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:35	10/24/15 10:09	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:35	10/24/15 10:09	1

Client Sample ID: BASIN-2-102215
Date Collected: 10/22/15 15:11
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-23
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		10/27/15 14:31	11/01/15 20:41	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		10/27/15 14:31	11/01/15 20:41	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		10/27/15 14:31	11/01/15 20:41	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		10/27/15 14:31	11/01/15 20:41	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/27/15 14:31	11/01/15 20:41	1
2,4-Dinitrotoluene	ND		5.2	0.46	ug/L		10/27/15 14:31	11/01/15 20:41	1
2,6-Dinitrotoluene	ND		5.2	0.41	ug/L		10/27/15 14:31	11/01/15 20:41	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		10/27/15 14:31	11/01/15 20:41	1
2-Chlorophenol	ND		5.2	0.55	ug/L		10/27/15 14:31	11/01/15 20:41	1
2-Methylnaphthalene	ND		5.2	0.62	ug/L		10/27/15 14:31	11/01/15 20:41	1
2-Methylphenol	ND		5.2	0.41	ug/L		10/27/15 14:31	11/01/15 20:41	1
2-Nitroaniline	ND		10	0.43	ug/L		10/27/15 14:31	11/01/15 20:41	1
2-Nitrophenol	ND		5.2	0.50	ug/L		10/27/15 14:31	11/01/15 20:41	1
3,3'-Dichlorobenzidine	ND		5.2	0.41	ug/L		10/27/15 14:31	11/01/15 20:41	1
3-Nitroaniline	ND		10	0.50	ug/L		10/27/15 14:31	11/01/15 20:41	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/27/15 14:31	11/01/15 20:41	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		10/27/15 14:31	11/01/15 20:41	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		10/27/15 14:31	11/01/15 20:41	1
4-Chloroaniline	ND		5.2	0.61	ug/L		10/27/15 14:31	11/01/15 20:41	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		10/27/15 14:31	11/01/15 20:41	1
4-Methylphenol	**0.37**	**J**	10	0.37	ug/L		10/27/15 14:31	11/01/15 20:41	1
4-Nitroaniline	ND		10	0.26	ug/L		10/27/15 14:31	11/01/15 20:41	1
4-Nitrophenol	ND		10	1.6	ug/L		10/27/15 14:31	11/01/15 20:41	1
Acenaphthene	ND		5.2	0.42	ug/L		10/27/15 14:31	11/01/15 20:41	1
Acenaphthylene	ND		5.2	0.39	ug/L		10/27/15 14:31	11/01/15 20:41	1
Acetophenone	ND		5.2	0.56	ug/L		10/27/15 14:31	11/01/15 20:41	1
Anthracene	ND		5.2	0.29	ug/L		10/27/15 14:31	11/01/15 20:41	1
Atrazine	ND		5.2	0.48	ug/L		10/27/15 14:31	11/01/15 20:41	1
Benzaldehyde	ND		5.2	0.28	ug/L		10/27/15 14:31	11/01/15 20:41	1
Benzo[a]anthracene	ND		5.2	0.37	ug/L		10/27/15 14:31	11/01/15 20:41	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		10/27/15 14:31	11/01/15 20:41	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		10/27/15 14:31	11/01/15 20:41	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		10/27/15 14:31	11/01/15 20:41	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		10/27/15 14:31	11/01/15 20:41	1
Biphenyl	ND		5.2	0.68	ug/L		10/27/15 14:31	11/01/15 20:41	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		10/27/15 14:31	11/01/15 20:41	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		10/27/15 14:31	11/01/15 20:41	1
Bis(2-chloroethyl)ether	ND		5.2	0.41	ug/L		10/27/15 14:31	11/01/15 20:41	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		10/27/15 14:31	11/01/15 20:41	1
Butyl benzyl phthalate	**0.62**	**J B**	5.2	0.43	ug/L		10/27/15 14:31	11/01/15 20:41	1
Caprolactam	ND		5.2	2.3	ug/L		10/27/15 14:31	11/01/15 20:41	1
Carbazole	ND		5.2	0.31	ug/L		10/27/15 14:31	11/01/15 20:41	1
Chrysene	ND		5.2	0.34	ug/L		10/27/15 14:31	11/01/15 20:41	1
Dibenz(a,h)anthracene	ND		5.2	0.43	ug/L		10/27/15 14:31	11/01/15 20:41	1
Dibenzofuran	ND		10	0.53	ug/L		10/27/15 14:31	11/01/15 20:41	1
Diethyl phthalate	ND		5.2	0.23	ug/L		10/27/15 14:31	11/01/15 20:41	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		10/27/15 14:31	11/01/15 20:41	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		10/27/15 14:31	11/01/15 20:41	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		10/27/15 14:31	11/01/15 20:41	1

Client Sample ID: BASIN-2-102215
Date Collected: 10/22/15 15:11
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-23
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.2	0.41	ug/L		10/27/15 14:31	11/01/15 20:41	1
Fluorene	ND		5.2	0.37	ug/L		10/27/15 14:31	11/01/15 20:41	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		10/27/15 14:31	11/01/15 20:41	1
Hexachlorobutadiene	ND		5.2	0.70	ug/L		10/27/15 14:31	11/01/15 20:41	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		10/27/15 14:31	11/01/15 20:41	1
Hexachloroethane	ND		5.2	0.61	ug/L		10/27/15 14:31	11/01/15 20:41	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		10/27/15 14:31	11/01/15 20:41	1
Isophorone	ND		5.2	0.45	ug/L		10/27/15 14:31	11/01/15 20:41	1
Naphthalene	ND		5.2	0.79	ug/L		10/27/15 14:31	11/01/15 20:41	1
Nitrobenzene	ND		5.2	0.30	ug/L		10/27/15 14:31	11/01/15 20:41	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		10/27/15 14:31	11/01/15 20:41	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		10/27/15 14:31	11/01/15 20:41	1
Pentachlorophenol	ND		10	2.3	ug/L		10/27/15 14:31	11/01/15 20:41	1
Phenanthrene	ND		5.2	0.46	ug/L		10/27/15 14:31	11/01/15 20:41	1
Phenol	ND		5.2	0.40	ug/L		10/27/15 14:31	11/01/15 20:41	1
Pyrene	ND		5.2	0.35	ug/L		10/27/15 14:31	11/01/15 20:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.1*	*T J*	*ug/L*		*3.26*		*10/27/15 14:31*	*11/01/15 20:41*	*1*
Cyclohexane	*25*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/27/15 14:31*	*11/01/15 20:41*	*1*
Unknown	*140*	*T J*	*ug/L*		*3.69*		*10/27/15 14:31*	*11/01/15 20:41*	*1*
Unknown	*6.7*	*T J*	*ug/L*		*5.43*		*10/27/15 14:31*	*11/01/15 20:41*	*1*
Decane	*2.8*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/27/15 14:31*	*11/01/15 20:41*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*10.76*		*10/27/15 14:31*	*11/01/15 20:41*	*1*
Unknown	*7.1*	*T J*	*ug/L*		*11.74*		*10/27/15 14:31*	*11/01/15 20:41*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*12.36*		*10/27/15 14:31*	*11/01/15 20:41*	*1*
Unknown	*9.0*	*T J*	*ug/L*		*12.84*		*10/27/15 14:31*	*11/01/15 20:41*	*1*
Unknown	*3.1*	*T J*	*ug/L*		*13.58*		*10/27/15 14:31*	*11/01/15 20:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*52 - 132*	*10/27/15 14:31*	*11/01/15 20:41*	*1*
2-Fluorobiphenyl	*74*		*48 - 120*	*10/27/15 14:31*	*11/01/15 20:41*	*1*
2-Fluorophenol (Surr)	*49*		*20 - 120*	*10/27/15 14:31*	*11/01/15 20:41*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 120*	*10/27/15 14:31*	*11/01/15 20:41*	*1*
Phenol-d5 (Surr)	*35*		*16 - 120*	*10/27/15 14:31*	*11/01/15 20:41*	*1*
p-Terphenyl-d14 (Surr)	*89*		*67 - 150*	*10/27/15 14:31*	*11/01/15 20:41*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.15**	**J**	0.20	0.060	mg/L		10/23/15 11:35	10/24/15 10:25	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:35	10/24/15 10:25	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:35	10/24/15 10:25	1
Barium	**0.19**		0.0020	0.00070	mg/L		10/23/15 11:35	10/24/15 10:25	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:35	10/24/15 10:25	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:35	10/24/15 10:25	1
Calcium	**270**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 10:25	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:35	10/24/15 10:25	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:35	10/24/15 10:25	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:35	10/24/15 10:25	1
Iron	**0.16**		0.050	0.019	mg/L		10/23/15 11:35	10/24/15 10:25	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Client Sample ID: BASIN-2-102215
Date Collected: 10/22/15 15:11
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-23
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.0042**	**J**	0.010	0.0030	mg/L		10/23/15 11:35	10/24/15 10:25	1
Magnesium	**2.8**		0.20	0.043	mg/L		10/23/15 11:35	10/24/15 10:25	1
Manganese	**0.20**		0.0030	0.00040	mg/L		10/23/15 11:35	10/24/15 10:25	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:35	10/24/15 10:25	1
Potassium	**24.0**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 10:25	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:35	10/24/15 10:25	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:35	10/24/15 10:25	1
Sodium	**77.1**		1.0	0.32	mg/L		10/23/15 11:35	10/24/15 10:25	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:35	10/24/15 10:25	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:35	10/24/15 10:25	1
Zinc	**0.0020**	**J**	0.010	0.0015	mg/L		10/23/15 11:35	10/24/15 10:25	1

Client Sample ID: BASIN-2-F-102215
Date Collected: 10/22/15 15:16
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-24
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.1	0.49	ug/L		10/27/15 14:31	11/01/15 21:10	1
2,4,6-Trichlorophenol	ND		5.1	0.63	ug/L		10/27/15 14:31	11/01/15 21:10	1
2,4-Dichlorophenol	ND		5.1	0.52	ug/L		10/27/15 14:31	11/01/15 21:10	1
2,4-Dimethylphenol	ND		5.1	0.51	ug/L		10/27/15 14:31	11/01/15 21:10	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		10/27/15 14:31	11/01/15 21:10	1
2,4-Dinitrotoluene	ND		5.1	0.46	ug/L		10/27/15 14:31	11/01/15 21:10	1
2,6-Dinitrotoluene	ND		5.1	0.41	ug/L		10/27/15 14:31	11/01/15 21:10	1
2-Chloronaphthalene	ND		5.1	0.47	ug/L		10/27/15 14:31	11/01/15 21:10	1
2-Chlorophenol	ND		5.1	0.54	ug/L		10/27/15 14:31	11/01/15 21:10	1
2-Methylnaphthalene	ND		5.1	0.61	ug/L		10/27/15 14:31	11/01/15 21:10	1
2-Methylphenol	ND		5.1	0.41	ug/L		10/27/15 14:31	11/01/15 21:10	1
2-Nitroaniline	ND		10	0.43	ug/L		10/27/15 14:31	11/01/15 21:10	1
2-Nitrophenol	ND		5.1	0.49	ug/L		10/27/15 14:31	11/01/15 21:10	1
3,3'-Dichlorobenzidine	ND		5.1	0.41	ug/L		10/27/15 14:31	11/01/15 21:10	1
3-Nitroaniline	ND		10	0.49	ug/L		10/27/15 14:31	11/01/15 21:10	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		10/27/15 14:31	11/01/15 21:10	1
4-Bromophenyl phenyl ether	ND		5.1	0.46	ug/L		10/27/15 14:31	11/01/15 21:10	1
4-Chloro-3-methylphenol	ND		5.1	0.46	ug/L		10/27/15 14:31	11/01/15 21:10	1
4-Chloroaniline	ND		5.1	0.60	ug/L		10/27/15 14:31	11/01/15 21:10	1
4-Chlorophenyl phenyl ether	ND		5.1	0.36	ug/L		10/27/15 14:31	11/01/15 21:10	1
4-Methylphenol	**0.43**	**J**	10	0.37	ug/L		10/27/15 14:31	11/01/15 21:10	1
4-Nitroaniline	ND		10	0.26	ug/L		10/27/15 14:31	11/01/15 21:10	1
4-Nitrophenol	ND		10	1.6	ug/L		10/27/15 14:31	11/01/15 21:10	1
Acenaphthene	ND		5.1	0.42	ug/L		10/27/15 14:31	11/01/15 21:10	1
Acenaphthylene	ND		5.1	0.39	ug/L		10/27/15 14:31	11/01/15 21:10	1
Acetophenone	ND		5.1	0.55	ug/L		10/27/15 14:31	11/01/15 21:10	1
Anthracene	ND		5.1	0.29	ug/L		10/27/15 14:31	11/01/15 21:10	1
Atrazine	ND		5.1	0.47	ug/L		10/27/15 14:31	11/01/15 21:10	1
Benzaldehyde	**0.30**	**J**	5.1	0.27	ug/L		10/27/15 14:31	11/01/15 21:10	1
Benzo[a]anthracene	ND		5.1	0.37	ug/L		10/27/15 14:31	11/01/15 21:10	1
Benzo[a]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:31	11/01/15 21:10	1
Benzo[b]fluoranthene	ND		5.1	0.35	ug/L		10/27/15 14:31	11/01/15 21:10	1
Benzo[g,h,i]perylene	ND		5.1	0.36	ug/L		10/27/15 14:31	11/01/15 21:10	1
Benzo[k]fluoranthene	ND		5.1	0.75	ug/L		10/27/15 14:31	11/01/15 21:10	1
Biphenyl	ND		5.1	0.67	ug/L		10/27/15 14:31	11/01/15 21:10	1
bis (2-chloroisopropyl) ether	ND		5.1	0.53	ug/L		10/27/15 14:31	11/01/15 21:10	1
Bis(2-chloroethoxy)methane	ND		5.1	0.36	ug/L		10/27/15 14:31	11/01/15 21:10	1
Bis(2-chloroethyl)ether	ND		5.1	0.41	ug/L		10/27/15 14:31	11/01/15 21:10	1
Bis(2-ethylhexyl) phthalate	ND		5.1	1.8	ug/L		10/27/15 14:31	11/01/15 21:10	1
Butyl benzyl phthalate	**0.63**	**J B**	5.1	0.43	ug/L		10/27/15 14:31	11/01/15 21:10	1
Caprolactam	ND		5.1	2.3	ug/L		10/27/15 14:31	11/01/15 21:10	1
Carbazole	ND		5.1	0.31	ug/L		10/27/15 14:31	11/01/15 21:10	1
Chrysene	ND		5.1	0.34	ug/L		10/27/15 14:31	11/01/15 21:10	1
Dibenz(a,h)anthracene	ND		5.1	0.43	ug/L		10/27/15 14:31	11/01/15 21:10	1
Dibenzofuran	ND		10	0.52	ug/L		10/27/15 14:31	11/01/15 21:10	1
Diethyl phthalate	ND		5.1	0.23	ug/L		10/27/15 14:31	11/01/15 21:10	1
Dimethyl phthalate	ND		5.1	0.37	ug/L		10/27/15 14:31	11/01/15 21:10	1
Di-n-butyl phthalate	ND		5.1	0.32	ug/L		10/27/15 14:31	11/01/15 21:10	1
Di-n-octyl phthalate	ND		5.1	0.48	ug/L		10/27/15 14:31	11/01/15 21:10	1

Client Sample ID: BASIN-2-F-102215

Date Collected: 10/22/15 15:16
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-24

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.1	0.41	ug/L		10/27/15 14:31	11/01/15 21:10	1
Fluorene	ND		5.1	0.37	ug/L		10/27/15 14:31	11/01/15 21:10	1
Hexachlorobenzene	ND		5.1	0.52	ug/L		10/27/15 14:31	11/01/15 21:10	1
Hexachlorobutadiene	ND		5.1	0.70	ug/L		10/27/15 14:31	11/01/15 21:10	1
Hexachlorocyclopentadiene	ND		5.1	0.60	ug/L		10/27/15 14:31	11/01/15 21:10	1
Hexachloroethane	ND		5.1	0.60	ug/L		10/27/15 14:31	11/01/15 21:10	1
Indeno[1,2,3-cd]pyrene	ND		5.1	0.48	ug/L		10/27/15 14:31	11/01/15 21:10	1
Isophorone	ND		5.1	0.44	ug/L		10/27/15 14:31	11/01/15 21:10	1
Naphthalene	ND		5.1	0.78	ug/L		10/27/15 14:31	11/01/15 21:10	1
Nitrobenzene	ND		5.1	0.30	ug/L		10/27/15 14:31	11/01/15 21:10	1
N-Nitrosodi-n-propylamine	ND		5.1	0.55	ug/L		10/27/15 14:31	11/01/15 21:10	1
N-Nitrosodiphenylamine	ND		5.1	0.52	ug/L		10/27/15 14:31	11/01/15 21:10	1
Pentachlorophenol	ND		10	2.3	ug/L		10/27/15 14:31	11/01/15 21:10	1
Phenanthrene	ND		5.1	0.45	ug/L		10/27/15 14:31	11/01/15 21:10	1
Phenol	ND		5.1	0.40	ug/L		10/27/15 14:31	11/01/15 21:10	1
Pyrene	ND		5.1	0.35	ug/L		10/27/15 14:31	11/01/15 21:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.4*	*T J*	*ug/L*		*3.26*		*10/27/15 14:31*	*11/01/15 21:10*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*3.45*		*10/27/15 14:31*	*11/01/15 21:10*	*1*
Cyclohexane	*29*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/27/15 14:31*	*11/01/15 21:10*	*1*
Unknown	*160*	*T J*	*ug/L*		*3.68*		*10/27/15 14:31*	*11/01/15 21:10*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*4.81*		*10/27/15 14:31*	*11/01/15 21:10*	*1*
Unknown	*23*	*T J*	*ug/L*		*5.43*		*10/27/15 14:31*	*11/01/15 21:10*	*1*
Decane	*3.2*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/27/15 14:31*	*11/01/15 21:10*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*3.0*	*T J N*	*ug/L*		*9.37*	*96-76-4*	*10/27/15 14:31*	*11/01/15 21:10*	*1*
Diphenyl sulfone	*4.8*	*T J N*	*ug/L*		*11.16*	*127-63-9*	*10/27/15 14:31*	*11/01/15 21:10*	*1*
Unknown	*8.5*	*T J*	*ug/L*		*11.74*		*10/27/15 14:31*	*11/01/15 21:10*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*12.35*		*10/27/15 14:31*	*11/01/15 21:10*	*1*
Unknown	*8.8*	*T J*	*ug/L*		*12.84*		*10/27/15 14:31*	*11/01/15 21:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*52 - 132*	*10/27/15 14:31*	*11/01/15 21:10*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*10/27/15 14:31*	*11/01/15 21:10*	*1*
2-Fluorophenol (Surr)	*54*		*20 - 120*	*10/27/15 14:31*	*11/01/15 21:10*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 120*	*10/27/15 14:31*	*11/01/15 21:10*	*1*
Phenol-d5 (Surr)	*37*		*16 - 120*	*10/27/15 14:31*	*11/01/15 21:10*	*1*
p-Terphenyl-d14 (Surr)	*90*		*67 - 150*	*10/27/15 14:31*	*11/01/15 21:10*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:35	10/24/15 10:29	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:35	10/24/15 10:29	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:35	10/24/15 10:29	1
Barium	**0.18**		0.0020	0.00070	mg/L		10/23/15 11:35	10/24/15 10:29	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:35	10/24/15 10:29	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:35	10/24/15 10:29	1
Calcium	**240**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 10:29	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:35	10/24/15 10:29	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:35	10/24/15 10:29	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Client Sample ID: BASIN-2-F-102215
Date Collected: 10/22/15 15:16
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-24
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:35	10/24/15 10:29	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:35	10/24/15 10:29	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:35	10/24/15 10:29	1
Magnesium	**0.11**	**J**	0.20	0.043	mg/L		10/23/15 11:35	10/24/15 10:29	1
Manganese	ND		0.0030	0.00040	mg/L		10/23/15 11:35	10/24/15 10:29	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:35	10/24/15 10:29	1
Potassium	**23.9**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 10:29	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:35	10/24/15 10:29	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:35	10/24/15 10:29	1
Sodium	**77.1**		1.0	0.32	mg/L		10/23/15 11:35	10/24/15 10:29	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:35	10/24/15 10:29	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:35	10/24/15 10:29	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:35	10/24/15 10:29	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Client Sample ID: BASIN-3-102215
Date Collected: 10/22/15 14:28
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-25
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		10/27/15 14:31	11/01/15 21:39	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		10/27/15 14:31	11/01/15 21:39	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		10/27/15 14:31	11/01/15 21:39	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		10/27/15 14:31	11/01/15 21:39	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		10/27/15 14:31	11/01/15 21:39	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		10/27/15 14:31	11/01/15 21:39	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		10/27/15 14:31	11/01/15 21:39	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		10/27/15 14:31	11/01/15 21:39	1
2-Chlorophenol	ND		4.9	0.52	ug/L		10/27/15 14:31	11/01/15 21:39	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		10/27/15 14:31	11/01/15 21:39	1
2-Methylphenol	ND		4.9	0.39	ug/L		10/27/15 14:31	11/01/15 21:39	1
2-Nitroaniline	ND		9.8	0.41	ug/L		10/27/15 14:31	11/01/15 21:39	1
2-Nitrophenol	ND		4.9	0.47	ug/L		10/27/15 14:31	11/01/15 21:39	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		10/27/15 14:31	11/01/15 21:39	1
3-Nitroaniline	ND		9.8	0.47	ug/L		10/27/15 14:31	11/01/15 21:39	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.2	ug/L		10/27/15 14:31	11/01/15 21:39	1
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		10/27/15 14:31	11/01/15 21:39	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		10/27/15 14:31	11/01/15 21:39	1
4-Chloroaniline	ND		4.9	0.58	ug/L		10/27/15 14:31	11/01/15 21:39	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		10/27/15 14:31	11/01/15 21:39	1
4-Methylphenol	**0.37**	**J**	9.8	0.35	ug/L		10/27/15 14:31	11/01/15 21:39	1
4-Nitroaniline	ND		9.8	0.25	ug/L		10/27/15 14:31	11/01/15 21:39	1
4-Nitrophenol	ND		9.8	1.5	ug/L		10/27/15 14:31	11/01/15 21:39	1
Acenaphthene	ND		4.9	0.40	ug/L		10/27/15 14:31	11/01/15 21:39	1
Acenaphthylene	ND		4.9	0.37	ug/L		10/27/15 14:31	11/01/15 21:39	1
Acetophenone	ND		4.9	0.53	ug/L		10/27/15 14:31	11/01/15 21:39	1
Anthracene	ND		4.9	0.27	ug/L		10/27/15 14:31	11/01/15 21:39	1
Atrazine	ND		4.9	0.45	ug/L		10/27/15 14:31	11/01/15 21:39	1
Benzaldehyde	ND		4.9	0.26	ug/L		10/27/15 14:31	11/01/15 21:39	1
Benzo[a]anthracene	ND		4.9	0.35	ug/L		10/27/15 14:31	11/01/15 21:39	1
Benzo[a]pyrene	ND		4.9	0.46	ug/L		10/27/15 14:31	11/01/15 21:39	1
Benzo[b]fluoranthene	ND		4.9	0.33	ug/L		10/27/15 14:31	11/01/15 21:39	1
Benzo[g,h,i]perylene	ND		4.9	0.34	ug/L		10/27/15 14:31	11/01/15 21:39	1
Benzo[k]fluoranthene	ND		4.9	0.72	ug/L		10/27/15 14:31	11/01/15 21:39	1
Biphenyl	ND		4.9	0.64	ug/L		10/27/15 14:31	11/01/15 21:39	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		10/27/15 14:31	11/01/15 21:39	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		10/27/15 14:31	11/01/15 21:39	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		10/27/15 14:31	11/01/15 21:39	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		10/27/15 14:31	11/01/15 21:39	1
Butyl benzyl phthalate	**0.63**	**J B**	4.9	0.41	ug/L		10/27/15 14:31	11/01/15 21:39	1
Caprolactam	ND		4.9	2.2	ug/L		10/27/15 14:31	11/01/15 21:39	1
Carbazole	ND		4.9	0.29	ug/L		10/27/15 14:31	11/01/15 21:39	1
Chrysene	ND		4.9	0.32	ug/L		10/27/15 14:31	11/01/15 21:39	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		10/27/15 14:31	11/01/15 21:39	1
Dibenzofuran	ND		9.8	0.50	ug/L		10/27/15 14:31	11/01/15 21:39	1
Diethyl phthalate	ND		4.9	0.22	ug/L		10/27/15 14:31	11/01/15 21:39	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		10/27/15 14:31	11/01/15 21:39	1
Di-n-butyl phthalate	ND		4.9	0.30	ug/L		10/27/15 14:31	11/01/15 21:39	1
Di-n-octyl phthalate	**0.69**	**J**	4.9	0.46	ug/L		10/27/15 14:31	11/01/15 21:39	1

Client Sample ID: BASIN-3-102215

Date Collected: 10/22/15 14:28
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-25

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		4.9	0.39	ug/L		10/27/15 14:31	11/01/15 21:39	1
Fluorene	ND		4.9	0.35	ug/L		10/27/15 14:31	11/01/15 21:39	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		10/27/15 14:31	11/01/15 21:39	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		10/27/15 14:31	11/01/15 21:39	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		10/27/15 14:31	11/01/15 21:39	1
Hexachloroethane	ND		4.9	0.58	ug/L		10/27/15 14:31	11/01/15 21:39	1
Indeno[1,2,3-cd]pyrene	ND		4.9	0.46	ug/L		10/27/15 14:31	11/01/15 21:39	1
Isophorone	ND		4.9	0.42	ug/L		10/27/15 14:31	11/01/15 21:39	1
Naphthalene	ND		4.9	0.75	ug/L		10/27/15 14:31	11/01/15 21:39	1
Nitrobenzene	ND		4.9	0.28	ug/L		10/27/15 14:31	11/01/15 21:39	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		10/27/15 14:31	11/01/15 21:39	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		10/27/15 14:31	11/01/15 21:39	1
Pentachlorophenol	ND		9.8	2.2	ug/L		10/27/15 14:31	11/01/15 21:39	1
Phenanthrene	ND		4.9	0.43	ug/L		10/27/15 14:31	11/01/15 21:39	1
Phenol	ND		4.9	0.38	ug/L		10/27/15 14:31	11/01/15 21:39	1
Pyrene	ND		4.9	0.33	ug/L		10/27/15 14:31	11/01/15 21:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.5*	*T J*	*ug/L*		*3.26*		*10/27/15 14:31*	*11/01/15 21:39*	*1*
Cyclohexane	*25*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/27/15 14:31*	*11/01/15 21:39*	*1*
Unknown	*140*	*T J*	*ug/L*		*3.69*		*10/27/15 14:31*	*11/01/15 21:39*	*1*
Unknown	*10*	*T J*	*ug/L*		*5.43*		*10/27/15 14:31*	*11/01/15 21:39*	*1*
n-Hexadecanoic acid	*2.6*	*T J N*	*ug/L*		*11.05*	*57-10-3*	*10/27/15 14:31*	*11/01/15 21:39*	*1*
Unknown	*6.9*	*T J*	*ug/L*		*12.84*		*10/27/15 14:31*	*11/01/15 21:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*52 - 132*	*10/27/15 14:31*	*11/01/15 21:39*	*1*
2-Fluorobiphenyl	*73*		*48 - 120*	*10/27/15 14:31*	*11/01/15 21:39*	*1*
2-Fluorophenol (Surr)	*47*		*20 - 120*	*10/27/15 14:31*	*11/01/15 21:39*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 120*	*10/27/15 14:31*	*11/01/15 21:39*	*1*
Phenol-d5 (Surr)	*33*		*16 - 120*	*10/27/15 14:31*	*11/01/15 21:39*	*1*
p-Terphenyl-d14 (Surr)	*90*		*67 - 150*	*10/27/15 14:31*	*11/01/15 21:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:35	10/24/15 10:32	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:35	10/24/15 10:32	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:35	10/24/15 10:32	1
Barium	**0.16**		0.0020	0.00070	mg/L		10/23/15 11:35	10/24/15 10:32	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:35	10/24/15 10:32	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:35	10/24/15 10:32	1
Calcium	**200**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 10:32	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:35	10/24/15 10:32	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:35	10/24/15 10:32	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:35	10/24/15 10:32	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:35	10/24/15 10:32	1
Lead	**0.0031**	**J**	0.010	0.0030	mg/L		10/23/15 11:35	10/24/15 10:32	1
Magnesium	**0.16**	**J**	0.20	0.043	mg/L		10/23/15 11:35	10/24/15 10:32	1
Manganese	**0.0043**		0.0030	0.00040	mg/L		10/23/15 11:35	10/24/15 10:32	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:35	10/24/15 10:32	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Client Sample ID: BASIN-3-102215
Date Collected: 10/22/15 14:28
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-25
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**24.5**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 10:32	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:35	10/24/15 10:32	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:35	10/24/15 10:32	1
Sodium	**78.1**		1.0	0.32	mg/L		10/23/15 11:35	10/24/15 10:32	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:35	10/24/15 10:32	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:35	10/24/15 10:32	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:35	10/24/15 10:32	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Client Sample ID: BASIN-3-F-102215
Date Collected: 10/22/15 14:32
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-26
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/27/15 14:31	11/01/15 22:08	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/27/15 14:31	11/01/15 22:08	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/27/15 14:31	11/01/15 22:08	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/27/15 14:31	11/01/15 22:08	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/27/15 14:31	11/01/15 22:08	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/27/15 14:31	11/01/15 22:08	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 22:08	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/27/15 14:31	11/01/15 22:08	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/27/15 14:31	11/01/15 22:08	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/27/15 14:31	11/01/15 22:08	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 22:08	1
2-Nitroaniline	ND		10	0.42	ug/L		10/27/15 14:31	11/01/15 22:08	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/27/15 14:31	11/01/15 22:08	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 22:08	1
3-Nitroaniline	ND		10	0.48	ug/L		10/27/15 14:31	11/01/15 22:08	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/27/15 14:31	11/01/15 22:08	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/27/15 14:31	11/01/15 22:08	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/27/15 14:31	11/01/15 22:08	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/27/15 14:31	11/01/15 22:08	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/27/15 14:31	11/01/15 22:08	1
4-Methylphenol	**0.40**	**J**	10	0.36	ug/L		10/27/15 14:31	11/01/15 22:08	1
4-Nitroaniline	ND		10	0.25	ug/L		10/27/15 14:31	11/01/15 22:08	1
4-Nitrophenol	ND		10	1.5	ug/L		10/27/15 14:31	11/01/15 22:08	1
Acenaphthene	ND		5.0	0.41	ug/L		10/27/15 14:31	11/01/15 22:08	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/27/15 14:31	11/01/15 22:08	1
Acetophenone	ND		5.0	0.54	ug/L		10/27/15 14:31	11/01/15 22:08	1
Anthracene	ND		5.0	0.28	ug/L		10/27/15 14:31	11/01/15 22:08	1
Atrazine	ND		5.0	0.46	ug/L		10/27/15 14:31	11/01/15 22:08	1
Benzaldehyde	**0.32**	**J**	5.0	0.27	ug/L		10/27/15 14:31	11/01/15 22:08	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/27/15 14:31	11/01/15 22:08	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:31	11/01/15 22:08	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/27/15 14:31	11/01/15 22:08	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/27/15 14:31	11/01/15 22:08	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/27/15 14:31	11/01/15 22:08	1
Biphenyl	ND		5.0	0.66	ug/L		10/27/15 14:31	11/01/15 22:08	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/27/15 14:31	11/01/15 22:08	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/27/15 14:31	11/01/15 22:08	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 22:08	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/27/15 14:31	11/01/15 22:08	1
Butyl benzyl phthalate	**0.65**	**J B**	5.0	0.42	ug/L		10/27/15 14:31	11/01/15 22:08	1
Caprolactam	ND		5.0	2.2	ug/L		10/27/15 14:31	11/01/15 22:08	1
Carbazole	ND		5.0	0.30	ug/L		10/27/15 14:31	11/01/15 22:08	1
Chrysene	ND		5.0	0.33	ug/L		10/27/15 14:31	11/01/15 22:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/27/15 14:31	11/01/15 22:08	1
Dibenzofuran	ND		10	0.51	ug/L		10/27/15 14:31	11/01/15 22:08	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/27/15 14:31	11/01/15 22:08	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/27/15 14:31	11/01/15 22:08	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/27/15 14:31	11/01/15 22:08	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/27/15 14:31	11/01/15 22:08	1

Client Sample ID: BASIN-3-F-102215

Date Collected: 10/22/15 14:32
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-26
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 22:08	1
Fluorene	ND		5.0	0.36	ug/L		10/27/15 14:31	11/01/15 22:08	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/27/15 14:31	11/01/15 22:08	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/27/15 14:31	11/01/15 22:08	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/27/15 14:31	11/01/15 22:08	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/27/15 14:31	11/01/15 22:08	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:31	11/01/15 22:08	1
Isophorone	ND		5.0	0.43	ug/L		10/27/15 14:31	11/01/15 22:08	1
Naphthalene	ND		5.0	0.76	ug/L		10/27/15 14:31	11/01/15 22:08	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/27/15 14:31	11/01/15 22:08	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/27/15 14:31	11/01/15 22:08	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/27/15 14:31	11/01/15 22:08	1
Pentachlorophenol	ND		10	2.2	ug/L		10/27/15 14:31	11/01/15 22:08	1
Phenanthrene	ND		5.0	0.44	ug/L		10/27/15 14:31	11/01/15 22:08	1
Phenol	ND		5.0	0.39	ug/L		10/27/15 14:31	11/01/15 22:08	1
Pyrene	ND		5.0	0.34	ug/L		10/27/15 14:31	11/01/15 22:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*5.0*	*T J*	*ug/L*		*3.26*		*10/27/15 14:31*	*11/01/15 22:08*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*3.45*		*10/27/15 14:31*	*11/01/15 22:08*	*1*
Cyclohexane	*27*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/27/15 14:31*	*11/01/15 22:08*	*1*
Unknown	*160*	*T J*	*ug/L*		*3.69*		*10/27/15 14:31*	*11/01/15 22:08*	*1*
Formamide, N,N-dimethyl-	*4.5*	*T J N*	*ug/L*		*4.81*	*68-12-2*	*10/27/15 14:31*	*11/01/15 22:08*	*1*
Unknown	*20*	*T J*	*ug/L*		*5.43*		*10/27/15 14:31*	*11/01/15 22:08*	*1*
Decane	*3.2*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/27/15 14:31*	*11/01/15 22:08*	*1*
n-Decanoic acid	*23*	*T J N*	*ug/L*		*8.66*	*334-48-5*	*10/27/15 14:31*	*11/01/15 22:08*	*1*
Phenol, 2,4-bis(1,1-dimethylethyl)-	*11*	*T J N*	*ug/L*		*9.37*	*96-76-4*	*10/27/15 14:31*	*11/01/15 22:08*	*1*
Diphenyl sulfone	*16*	*T J N*	*ug/L*		*11.16*	*127-63-9*	*10/27/15 14:31*	*11/01/15 22:08*	*1*
Unknown	*7.8*	*T J*	*ug/L*		*11.74*		*10/27/15 14:31*	*11/01/15 22:08*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*12.35*		*10/27/15 14:31*	*11/01/15 22:08*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*12.81*		*10/27/15 14:31*	*11/01/15 22:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*52 - 132*	*10/27/15 14:31*	*11/01/15 22:08*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*10/27/15 14:31*	*11/01/15 22:08*	*1*
2-Fluorophenol (Surr)	*58*		*20 - 120*	*10/27/15 14:31*	*11/01/15 22:08*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 120*	*10/27/15 14:31*	*11/01/15 22:08*	*1*
Phenol-d5 (Surr)	*39*		*16 - 120*	*10/27/15 14:31*	*11/01/15 22:08*	*1*
p-Terphenyl-d14 (Surr)	*90*		*67 - 150*	*10/27/15 14:31*	*11/01/15 22:08*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:35	10/24/15 10:35	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:35	10/24/15 10:35	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:35	10/24/15 10:35	1
Barium	**0.15**		0.0020	0.00070	mg/L		10/23/15 11:35	10/24/15 10:35	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:35	10/24/15 10:35	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:35	10/24/15 10:35	1
Calcium	**168**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 10:35	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:35	10/24/15 10:35	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Client Sample ID: BASIN-3-F-102215
Date Collected: 10/22/15 14:32
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-26
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:35	10/24/15 10:35	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:35	10/24/15 10:35	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:35	10/24/15 10:35	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:35	10/24/15 10:35	1
Magnesium	**0.091**	**J**	0.20	0.043	mg/L		10/23/15 11:35	10/24/15 10:35	1
Manganese	ND		0.0030	0.00040	mg/L		10/23/15 11:35	10/24/15 10:35	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:35	10/24/15 10:35	1
Potassium	**24.7**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 10:35	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:35	10/24/15 10:35	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:35	10/24/15 10:35	1
Sodium	**74.7**		1.0	0.32	mg/L		10/23/15 11:35	10/24/15 10:35	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:35	10/24/15 10:35	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:35	10/24/15 10:35	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:35	10/24/15 10:35	1

Client Sample ID: BASIN-DUP-04-102215

Date Collected: 10/22/15 14:37
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-27
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		10/27/15 14:31	11/01/15 22:38	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		10/27/15 14:31	11/01/15 22:38	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		10/27/15 14:31	11/01/15 22:38	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		10/27/15 14:31	11/01/15 22:38	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		10/27/15 14:31	11/01/15 22:38	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		10/27/15 14:31	11/01/15 22:38	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 22:38	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		10/27/15 14:31	11/01/15 22:38	1
2-Chlorophenol	ND		5.0	0.53	ug/L		10/27/15 14:31	11/01/15 22:38	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		10/27/15 14:31	11/01/15 22:38	1
2-Methylphenol	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 22:38	1
2-Nitroaniline	ND		10	0.42	ug/L		10/27/15 14:31	11/01/15 22:38	1
2-Nitrophenol	ND		5.0	0.48	ug/L		10/27/15 14:31	11/01/15 22:38	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 22:38	1
3-Nitroaniline	ND		10	0.48	ug/L		10/27/15 14:31	11/01/15 22:38	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		10/27/15 14:31	11/01/15 22:38	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		10/27/15 14:31	11/01/15 22:38	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		10/27/15 14:31	11/01/15 22:38	1
4-Chloroaniline	ND		5.0	0.59	ug/L		10/27/15 14:31	11/01/15 22:38	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		10/27/15 14:31	11/01/15 22:38	1
4-Methylphenol	**0.39**	**J**	10	0.36	ug/L		10/27/15 14:31	11/01/15 22:38	1
4-Nitroaniline	ND		10	0.25	ug/L		10/27/15 14:31	11/01/15 22:38	1
4-Nitrophenol	ND		10	1.5	ug/L		10/27/15 14:31	11/01/15 22:38	1
Acenaphthene	ND		5.0	0.41	ug/L		10/27/15 14:31	11/01/15 22:38	1
Acenaphthylene	ND		5.0	0.38	ug/L		10/27/15 14:31	11/01/15 22:38	1
Acetophenone	ND		5.0	0.54	ug/L		10/27/15 14:31	11/01/15 22:38	1
Anthracene	ND		5.0	0.28	ug/L		10/27/15 14:31	11/01/15 22:38	1
Atrazine	ND		5.0	0.46	ug/L		10/27/15 14:31	11/01/15 22:38	1
Benzaldehyde	**0.33**	**J**	5.0	0.27	ug/L		10/27/15 14:31	11/01/15 22:38	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		10/27/15 14:31	11/01/15 22:38	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:31	11/01/15 22:38	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		10/27/15 14:31	11/01/15 22:38	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		10/27/15 14:31	11/01/15 22:38	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		10/27/15 14:31	11/01/15 22:38	1
Biphenyl	ND		5.0	0.66	ug/L		10/27/15 14:31	11/01/15 22:38	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		10/27/15 14:31	11/01/15 22:38	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		10/27/15 14:31	11/01/15 22:38	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 22:38	1
Bis(2-ethylhexyl) phthalate	ND		5.0	1.8	ug/L		10/27/15 14:31	11/01/15 22:38	1
Butyl benzyl phthalate	**0.63**	**J B**	5.0	0.42	ug/L		10/27/15 14:31	11/01/15 22:38	1
Caprolactam	ND		5.0	2.2	ug/L		10/27/15 14:31	11/01/15 22:38	1
Carbazole	ND		5.0	0.30	ug/L		10/27/15 14:31	11/01/15 22:38	1
Chrysene	ND		5.0	0.33	ug/L		10/27/15 14:31	11/01/15 22:38	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		10/27/15 14:31	11/01/15 22:38	1
Dibenzofuran	ND		10	0.51	ug/L		10/27/15 14:31	11/01/15 22:38	1
Diethyl phthalate	ND		5.0	0.22	ug/L		10/27/15 14:31	11/01/15 22:38	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		10/27/15 14:31	11/01/15 22:38	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		10/27/15 14:31	11/01/15 22:38	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		10/27/15 14:31	11/01/15 22:38	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Client Sample ID: BASIN-DUP-04-102215
Date Collected: 10/22/15 14:37
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-27
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		5.0	0.40	ug/L		10/27/15 14:31	11/01/15 22:38	1
Fluorene	ND		5.0	0.36	ug/L		10/27/15 14:31	11/01/15 22:38	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		10/27/15 14:31	11/01/15 22:38	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		10/27/15 14:31	11/01/15 22:38	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		10/27/15 14:31	11/01/15 22:38	1
Hexachloroethane	ND		5.0	0.59	ug/L		10/27/15 14:31	11/01/15 22:38	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		10/27/15 14:31	11/01/15 22:38	1
Isophorone	ND		5.0	0.43	ug/L		10/27/15 14:31	11/01/15 22:38	1
Naphthalene	ND		5.0	0.76	ug/L		10/27/15 14:31	11/01/15 22:38	1
Nitrobenzene	ND		5.0	0.29	ug/L		10/27/15 14:31	11/01/15 22:38	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		10/27/15 14:31	11/01/15 22:38	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		10/27/15 14:31	11/01/15 22:38	1
Pentachlorophenol	ND		10	2.2	ug/L		10/27/15 14:31	11/01/15 22:38	1
Phenanthrene	ND		5.0	0.44	ug/L		10/27/15 14:31	11/01/15 22:38	1
Phenol	ND		5.0	0.39	ug/L		10/27/15 14:31	11/01/15 22:38	1
Pyrene	ND		5.0	0.34	ug/L		10/27/15 14:31	11/01/15 22:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.9*	*T J*	*ug/L*		*3.26*		*10/27/15 14:31*	*11/01/15 22:38*	*1*
Unknown	*2.5*	*T J*	*ug/L*		*3.46*		*10/27/15 14:31*	*11/01/15 22:38*	*1*
Cyclohexane	*29*	*T J N*	*ug/L*		*3.54*	*110-82-7*	*10/27/15 14:31*	*11/01/15 22:38*	*1*
Unknown	*170*	*T J*	*ug/L*		*3.69*		*10/27/15 14:31*	*11/01/15 22:38*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*4.81*		*10/27/15 14:31*	*11/01/15 22:38*	*1*
Unknown	*15*	*T J*	*ug/L*		*5.43*		*10/27/15 14:31*	*11/01/15 22:38*	*1*
Decane	*3.1*	*T J N*	*ug/L*		*6.68*	*124-18-5*	*10/27/15 14:31*	*11/01/15 22:38*	*1*
Unknown	*2.3*	*T J*	*ug/L*		*12.36*		*10/27/15 14:31*	*11/01/15 22:38*	*1*
Unknown	*10*	*T J*	*ug/L*		*12.84*		*10/27/15 14:31*	*11/01/15 22:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*52 - 132*	*10/27/15 14:31*	*11/01/15 22:38*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*10/27/15 14:31*	*11/01/15 22:38*	*1*
2-Fluorophenol (Surr)	*56*		*20 - 120*	*10/27/15 14:31*	*11/01/15 22:38*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 120*	*10/27/15 14:31*	*11/01/15 22:38*	*1*
Phenol-d5 (Surr)	*38*		*16 - 120*	*10/27/15 14:31*	*11/01/15 22:38*	*1*
p-Terphenyl-d14 (Surr)	*96*		*67 - 150*	*10/27/15 14:31*	*11/01/15 22:38*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/15 11:35	10/24/15 10:48	1
Antimony	ND		0.020	0.0068	mg/L		10/23/15 11:35	10/24/15 10:48	1
Arsenic	ND		0.015	0.0056	mg/L		10/23/15 11:35	10/24/15 10:48	1
Barium	**0.16**		0.0020	0.00070	mg/L		10/23/15 11:35	10/24/15 10:48	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/15 11:35	10/24/15 10:48	1
Cadmium	ND		0.0020	0.00050	mg/L		10/23/15 11:35	10/24/15 10:48	1
Calcium	**195**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 10:48	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/15 11:35	10/24/15 10:48	1
Cobalt	ND		0.0040	0.00063	mg/L		10/23/15 11:35	10/24/15 10:48	1
Copper	ND		0.010	0.0016	mg/L		10/23/15 11:35	10/24/15 10:48	1
Iron	ND		0.050	0.019	mg/L		10/23/15 11:35	10/24/15 10:48	1
Lead	ND		0.010	0.0030	mg/L		10/23/15 11:35	10/24/15 10:48	1

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Client Sample ID: BASIN-DUP-04-102215
Date Collected: 10/22/15 14:37
Date Received: 10/22/15 17:30

Lab Sample ID: 480-89685-27
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**0.093**	**J**	0.20	0.043	mg/L		10/23/15 11:35	10/24/15 10:48	1
Manganese	ND		0.0030	0.00040	mg/L		10/23/15 11:35	10/24/15 10:48	1
Nickel	ND		0.010	0.0013	mg/L		10/23/15 11:35	10/24/15 10:48	1
Potassium	**24.5**		0.50	0.10	mg/L		10/23/15 11:35	10/24/15 10:48	1
Selenium	ND		0.025	0.0087	mg/L		10/23/15 11:35	10/24/15 10:48	1
Silver	ND		0.0060	0.0017	mg/L		10/23/15 11:35	10/24/15 10:48	1
Sodium	**78.0**		1.0	0.32	mg/L		10/23/15 11:35	10/24/15 10:48	1
Thallium	ND		0.020	0.010	mg/L		10/23/15 11:35	10/24/15 10:48	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/15 11:35	10/24/15 10:48	1
Zinc	ND		0.010	0.0015	mg/L		10/23/15 11:35	10/24/15 10:48	1

Client Sample ID: BASIN-1-102215

Lab Sample ID: 480-89685-21
Matrix: Water
Date Collected: 10/22/15 13:42
Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271410	10/27/15 14:31	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272430	11/01/15 19:42	PJQ	TAL BUF
Total/NA	Prep	3005A			270668	10/23/15 11:35	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271016	10/24/15 09:57	TRB	TAL BUF

Client Sample ID: BASIN-1-F-102215

Lab Sample ID: 480-89685-22
Matrix: Water
Date Collected: 10/22/15 13:47
Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271410	10/27/15 14:31	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272430	11/01/15 20:11	PJQ	TAL BUF
Total/NA	Prep	3005A			270668	10/23/15 11:35	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271016	10/24/15 10:09	TRB	TAL BUF

Client Sample ID: BASIN-2-102215

Lab Sample ID: 480-89685-23
Matrix: Water
Date Collected: 10/22/15 15:11
Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271410	10/27/15 14:31	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272430	11/01/15 20:41	PJQ	TAL BUF
Total/NA	Prep	3005A			270668	10/23/15 11:35	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271016	10/24/15 10:25	TRB	TAL BUF

Client Sample ID: BASIN-2-F-102215

Lab Sample ID: 480-89685-24
Matrix: Water
Date Collected: 10/22/15 15:16
Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271410	10/27/15 14:31	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272430	11/01/15 21:10	PJQ	TAL BUF
Total/NA	Prep	3005A			270668	10/23/15 11:35	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271016	10/24/15 10:29	TRB	TAL BUF

Client Sample ID: BASIN-3-102215

Lab Sample ID: 480-89685-25
Matrix: Water
Date Collected: 10/22/15 14:28
Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271410	10/27/15 14:31	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272430	11/01/15 21:39	PJQ	TAL BUF
Total/NA	Prep	3005A			270668	10/23/15 11:35	CNS	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Client Sample ID: BASIN-3-102215

Lab Sample ID: 480-89685-25

Date Collected: 10/22/15 14:28

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	271016	10/24/15 10:32	TRB	TAL BUF

Client Sample ID: BASIN-3-F-102215

Lab Sample ID: 480-89685-26

Date Collected: 10/22/15 14:32

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271410	10/27/15 14:31	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272430	11/01/15 22:08	PJQ	TAL BUF
Total/NA	Prep	3005A			270668	10/23/15 11:35	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271016	10/24/15 10:35	TRB	TAL BUF

Client Sample ID: BASIN-DUP-04-102215

Lab Sample ID: 480-89685-27

Date Collected: 10/22/15 14:37

Matrix: Water

Date Received: 10/22/15 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			271410	10/27/15 14:31	CPH	TAL BUF
Total/NA	Analysis	8270D		1	272430	11/01/15 22:38	PJQ	TAL BUF
Total/NA	Prep	3005A			270668	10/23/15 11:35	CNS	TAL BUF
Total/NA	Analysis	6010C		1	271016	10/24/15 10:48	TRB	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89685-21	BASIN-1-102215	Water	10/22/15 13:42	10/22/15 17:30
480-89685-22	BASIN-1-F-102215	Water	10/22/15 13:47	10/22/15 17:30
480-89685-23	BASIN-2-102215	Water	10/22/15 15:11	10/22/15 17:30
480-89685-24	BASIN-2-F-102215	Water	10/22/15 15:16	10/22/15 17:30
480-89685-25	BASIN-3-102215	Water	10/22/15 14:28	10/22/15 17:30
480-89685-26	BASIN-3-F-102215	Water	10/22/15 14:32	10/22/15 17:30
480-89685-27	BASIN-DUP-04-102215	Water	10/22/15 14:37	10/22/15 17:30

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
CDM Smith	Amy Picuras	10/22/15	292043
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 3**
11 British American Blvd.	518-782-4526		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
BLCP, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270 Field Filt	TAL Metals Field Filt	TOC 9060	Special Instructions/ Conditions of Receipt
CB-07-102215	10/22/15	800		X			2		1				X	X		
CB-07-F-102215	"	805		X			2		1				X	X		
CB-09-102215	"	930		X			2		1				X	X		
CB-09-F-102215	"	933		X			2		1				X	X		
CB-30-102215	"	1025		X			2		1				X	X		
CB-30-F-102215	"	1028		X			2		1				X	X		
CB-16-102215	"	1055		X			2		1				X	X		
CB-16-~~F~~-102215	"	1058		X			2		1				X	X		
MW-UNK-102215	"	1300		X			2		1		1		X	X	X	
MW-UNK-~~201~~F-102215	"	1305		X			2		1		1		X	X	X	
FB-102215	"	1500		X			2		1		1		X	X	X	
CB-01-102215	"	855		X			2		1				X	X		

480-89685 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
L ESTRADA	10/22/15	1600	Matt. Lin TABUPPARD	10/22/15	1600
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
Matt. Lin TABUPPARD	10/22/15	1730		10/22/15	1730
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments

3.4, 11, 3.9 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Same		10/22/15	292042
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 3**
City / State / Zip Code	**Site Contact** Same	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOCs 8270D	TAL Metals 6010C	Special Instructions/ Conditions of Receipt
CB-01-F-102215	10/22/15	900		X			2		1				X	X	
CB-MS-03-102215	"	905		X			2		1				X	X	
CB-MSD-03-102215	"	905		X			2		1				X	X	
CB-02-102215	"	1000		X			2		1				X	X	
CB-02-F-102215	"	1005		X			2		1				X	X	
CB-DUP-03-102215	"	1010		X			2		1				X	X	
CB-03-102215	"	1050		X			2		1				X	X	
CB-03-F-102215	"	1055		X			2		2				X	X	
CB-04-102215	"	1242		X			2		1				X	X	
CB-04-F-102215	"	1246		X			2		1				X	X	
BASIN-1-102215	"	1342		X			2		1				X	X	
BASIN-1-F-102215	"	1347		X			2		1				X	X	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1	LIA ESTRADA	10/22/15	1606	Matt Perry TAB Buffalo	10/22/15	1606
2	Matt Perry TAB Buffalo	10/22/15	1730		10/22/15	1730
3						

Comments

3,4,6,1,3,9 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Address	Telephone Number (Area Code)/Fax Number		Lab Number
City / State / Zip Code	Site Contact / Lab Contact		Page 3 of 3
Project Name and Location (State)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

10/22/15

275600

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	SVOCs 8270D	TAL M. 6010C
BASIN-MS-04-102215	10/22/15	1352		X			2		1					
BASIN-MSD-04-102215	"	1352		X			2		1					
BASIN-2-102215	"	1511		X			2		1					
BASIN-2-F-102215	"	1516		X			2		1					
BASIN-3-102215	"	1428		X			2		1					
BASIN-3-F-102215	"	1432		X			2		1					
BASIN-DUP-04-102215	"	1437		X			2		1					

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	LIA ESTRADA	10/22/15	1606	TA BUFFALO	10/22/15	1606
2.	TA BUFFALO	10/22/15	1730		10/22/15	1730
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-89685-2

Login Number: 89685
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CDM SMITH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Appendix H

Data Usability Summary Reports

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Buffalo Lakeside

Soil TCLP Inorganic Analyses & Hexavalent Chromium
Samples Collected: January 21, 2013
Samples Received: January 22, 2013
Sample Delivery Group: M0080

Laboratory Reference Numbers	Client Sample Number
M0080-01	SS- 1
M0080-02	SS- 2
M0080-03	SS- 3
M0080-04	SS- 4
M0080-05	SS- 5
M0080-06	SS- 6
M0080-07	SS- 7
M0080-08	SS- 8
M0080-09	FD-01
M0080-09 MS	FD-01 MS (Hexavalent Chromium)
M0080-09 MD	FD-01 MD (Hexavalent Chromium)

Soil samples were validated for TCLP Inorganic analyses and hexavalent chromium by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - Holding Times
* - Calibration Verification
  - CRDL Standards
* - Laboratory Control Sample
  - Serial Dilutions
  - Calibration Blanks
  - Field Blanks
  - Preparation Blanks
  - Matrix Spike
  - Duplicate Analyses
* - ICP Interference Check Sample
* - Detection Limit Results
* - Linear Range
* - Sample Results

* - Indicates that all criteria were met for this parameter.

Data Validation Summary

Hexavalent chromium was not recovered from the matrix spike duplicate (0%). The hexavalent chromium data were flagged with the “J” qualifier and technically rejected.

No other problems were detected with the analyses.

Holding Times

All samples were analyzed within the required holding times.

CRDL Standards

CRDL standards were not analyzed.

Initial and Continuing Calibrations

No problems were detected with any of the calibrations associated with this sample delivery group.

Preparation Blank

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

Calibration Blanks

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

Field Blank

A field blank was not analyzed with this sample delivery group.

ICP Interference Check Sample

All ICP check samples recoveries were within the 80% - 120% limits.

Matrix Spike Recovery

Sample M0080-09 / FD-01 was analyzed as the matrix spike and matrix spike duplicate for hexavalent chromium.

The recovery in the matrix spike was 23%, but the recovery in the matrix spike duplicate was 0%.

The data for the hexavalent chromium analyses were technically rejected and flagged with the “J” qualifier due to the lack of matrix spike recovery

A matrix spike was not analyzed for the ICP analytes.

Duplicate Analysis

The matrix duplicate was not analyzed.

Laboratory Control Sample

All laboratory control samples were within the required limits.

Serial Dilutions

A serial dilution was not analyzed.

Instrument Detection Limit

No problems were found with the instrument detection limits.

ICP Linear Ranges

No problems were detected with the linear ranges.

Sample Results

Note: The laboratory used the “B” qualifier to denote sample concentrations between the instrument detection limit and CRDL. This was changed to the “J” qualifier in the interpreted qualifiers column of the EDD.

No other problems were detected with any of these samples.

Matrix spikes were performed on samples: FD-01_01/21/2013 (M0080-09AMS), FD-01_01/21/2013 (M0080-09AMSD) and FD-01_01/21/2013 (M0080-09AMSI).
Percent recoveries were within the QC limits with the following exceptions:
FD-01_01/21/2013 (M0080-09AMS) recovery is below criteria for Chromium, Hexavalent at 23% with criteria of (75-125).
FD-01_01/21/2013 (M0080-09AMSD) recovery is below criteria for Chromium, Hexavalent at 0% with criteria of (75-125).

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Buffalo Lakeside

Soil Inorganic Analyses
Samples Collected: September 17th & 18th, 2012
Samples Received: September 20, 2012
Sample Delivery Group: L1966

Laboratory Reference Numbers	Client Sample Number	Date Collected
L1966-01	SB-01 0-4	17-Sep-12
L1966-02	SB-01 4-8	17-Sep-12
L1966-03	SB-02 0-4	17-Sep-12
L1966-04	SB-02 4-8	17-Sep-12
L1966-05	SB-02 8-12	17-Sep-12
L1966-06	SB-03 0-4	17-Sep-12
L1966-07	SB-03 4-8	17-Sep-12
L1966-08	SB-04 0-4	17-Sep-12
L1966-09	SB-04 4-8	17-Sep-12
L1966-10	SB-04 8-12	17-Sep-12
L1966-11	SB-05 0-4	17-Sep-12
L1966-12	SB-05 4-8	17-Sep-12
L1966-13	SB-06 0-4	17-Sep-12
L1966-14	SB-06 4-8	17-Sep-12
L1966-15	SB-07 0-4	17-Sep-12
L1966-16	SB-07 4-8	17-Sep-12
L1966-17	SB-08 0-4	17-Sep-12
L1966-18	SB-08 4-8	17-Sep-12
L1966-19	SB-09 0-4	17-Sep-12
L1966-20	DUP 1	18-Sep-12
L1966-20 MS	DUP 1 MS	18-Sep-12
L1966-20 MD	DUP 1 MD	18-Sep-12

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

* * - Data Completeness
* * - Holding Times
* * - Calibration Verification
  - CRDL Standards
* * - Laboratory Control Sample
  - Serial Dilutions
* * - Calibration Blanks
  - Field Blanks
  - Preparation Blanks
  - Matrix Spike
  - Duplicate Analyses
* * - ICP Interference Check Sample
* * - Detection Limit Results
* * - Linear Range
* * - Sample Results

* - Indicates that all criteria were met for this parameter.

Data Validation Summary

The problems with the matrix spike, matrix duplicate and serial dilution should be noted.

These are described in detail below

No other problems were detected with the analyses.

Holding Times

All samples were analyzed within the required holding times.

CRDL Standards

CRDL standards were not analyzed.

Initial and Continuing Calibrations

No problems were detected with any of the calibrations associated with this sample delivery group.

Preparation Blank

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

Calibration Blanks

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

Field Blank

A field blank was not analyzed with this sample delivery group.

ICP Interference Check Sample

All ICP check samples recoveries were within the 80% - 120% limits.

Matrix Spike Recovery

Percent recoveries were within the QC limits with the following exceptions: DUP 1 (L1966-20AMS), Spike sample recovery is below criteria for Antimony at 39% with criteria of (75-125).

The data for antimony were flagged with the “J” qualifier and are estimated values.

Duplicate Analysis

Duplicate analyses were performed on sample: DUP 1 (L1966-20ADUP).

Relative percent differences were within the 20% QC limit with the exceptions of

Aluminum (34%), Barium (43%), Beryllium (59%), Cadmium (44%), Calcium (57%), Cobalt (59%), Lead (54%), Magnesium (46%), Manganese (37%), Nickel (51%), Potassium (28%), Selenium (44%), Sodium (49%),Thallium (66%), Vanadium (29%) and Zinc (47%).

The data for these compounds were flagged with the “J” qualifier and are estimated values.

Laboratory Control Sample

All laboratory control samples were within the required limits.

Serial Dilutions

Serial Dilution analyses were performed on sample DUP 1 (L1966-20ASD).

Percent differences were within the QC limits with the exception of the following: DUP 1 (L1966-20ASD).

The serial dilution analysis was not within control limit for Cobalt (16%), Nickel (10%) and Zinc (13%).

The data for these compounds were flagged with the J qualifier and are estimated values.

Instrument Detection Limit

No problems were found with the instrument detection limits.

ICP Linear Ranges

No problems were detected with the linear ranges.

Sample Results

Note: The laboratory used the “B” qualifier to denote sample concentrations between the instrument detection limit and CRDL. This was changed to the “J” qualifier in the interpreted qualifiers column of the EDD.

No other problems were detected with any of these samples.

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Buffalo Lakeside

Soil Inorganic Analyses
Samples Collected: September 18, 2012
Samples Received: September 20, 2012
Sample Delivery Group: L1967

Laboratory Reference Numbers	Client Sample Number
L1967-01	SB-10 0-4
L1967-02	SB-10 4-8
L1967-03	SB-10 8-12
L1967-04	SB-11 0-4
L1967-05	SB-11 4-8
L1967-06	SB-11 8-12
L1967-07	DUP 2
L1967-08	SB-12 0-4
L1967-09	SB-12 4-8
L1967-10	SB-12 8-12
L1967-11	SB-13 0-4
L1967-12	SB-13 4-8
L1967-13	SB-13 8-12
L1967-14	SB-14 0-4
L1967-15	SB-14 4-8
L1967-16	SB-14 8-12
L1967-17	SB-14 12-16
L1967-18	SB-14 16-20
L1967-19	SB-15 0-4
L1967-20	SB-16 0-4
L1967-20 MS	SB-16 0-4 MS
L1967-20 MD	SB-16 0-4 MD

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

* * - Data Completeness
* * - Holding Times
* * - Calibration Verification
  - CRDL Standards
* * - Laboratory Control Sample
  - Serial Dilutions
  - Calibration Blanks
  - Field Blanks
  - Preparation Blanks
  - Matrix Spike
  - Duplicate Analyses
* * - ICP Interference Check Sample
* * - Detection Limit Results
* * - Linear Range
* * - Sample Results

* - Indicates that all criteria were met for this parameter.

Data Validation Summary

The problems with the matrix spike, matrix duplicate and serial dilution should be noted.

These are described in detail below

No other problems were detected with the analyses.

Holding Times

All samples were analyzed within the required holding times.

CRDL Standards

CRDL standards were not analyzed.

Initial and Continuing Calibrations

No problems were detected with any of the calibrations associated with this sample delivery group.

Preparation Blank

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

Calibration Blanks

Lead was detected in the 10/02/12 17:09 continuing calibration blank at a concentration of 11 ug/l.

All of the lead concentrations in the samples were too high to be affected by the low level blank contamination.

Several analytes were found in the other continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

Field Blank

A field blank was not analyzed with this sample delivery group.

ICP Interference Check Sample

All ICP check samples recoveries were within the 80% - 120% limits.

Matrix Spike Recovery

Sample SB-16 0-4 (L1967-20AMS) was used for the matrix spike.

All percent recoveries were within the 75% - 125% QC limits with the exceptions of antimony (38%), nickel (73%), selenium (0%) and thallium (22%).

The data for selenium were flagged with the “R” qualifier and technically rejected when it was not detected in a sample.

The selenium data were flagged with the “J” qualifier when they were detected in a sample.

The data for the remaining compounds were flagged with the “J” qualifier and are estimated values.

Duplicate Analysis

The duplicate analyses was performed on sample SB-16 0-4 (L1967-20ADUP).

Relative percent differences were within the 20% QC limit with the exceptions of antimony (31%) and copper (89%).

The data for these compounds were flagged with the “J” qualifier and are estimated values.

Laboratory Control Sample

All laboratory control samples were within the required limits.

Serial Dilutions

The Serial Dilution analysis were performed on sample SB-16 0-4 (L1967-20ADUP).

All percent differences were less than 10% QC limits with the exceptions of arsenic (29%), cadmium (31%), cobalt (19%), lead (16%), magnesium (14%), nickel (13%) and vanadium (18%).

The data for these compounds were flagged with the J qualifier and are estimated values.

Instrument Detection Limit

No problems were found with the instrument detection limits.

ICP Linear Ranges

No problems were detected with the linear ranges.

Sample Results

Note: The laboratory used the “B” qualifier to denote sample concentrations between the instrument detection limit and CRDL. This was changed to the “J” qualifier in the interpreted qualifiers column of the EDD.

No other problems were detected with any of these samples.

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Buffalo Lakeside

Soil Inorganic Analyses
Samples Collected: September 18, 2012
Samples Received: September 20, 2012
Sample Delivery Group: L1968

Laboratory Reference Numbers	Client Sample Number
L1968-01	SB-16 4-8
L1968-02	SB-16 8-12
L1968-03	SB-17 0-4
L1968-04	SB-17 4-8
L1968-05	SB-18 0-4
L1968-06	SB-18 4-8
L1968-07	SB-19 0-4
L1968-08	SB-19 4-8
L1968-09	SB-20 0-4
L1968-10	SB-20 4-8
L1968-11	DUP 3
L1968-12	SB-21 0-4
L1968-13	SB-21 4-8
L1968-14	SB-22 0-4
L1968-15	SB-22 4-8
L1968-16	SB-23 0-4
L1968-17	SB-23 4-8
L1968-18	SB-23 8-12
L1968-19	SB-25 0-4
L1968-20	SB-25 4-8
L1968-20 MS	SB-25 4-8 MS
L1968-20 MD	SB-25 4-8 MD

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

* * - Data Completeness
* * - Holding Times
* * - Calibration Verification
  - CRDL Standards
* * - Laboratory Control Sample
  - Serial Dilutions
  - Calibration Blanks
  - Field Blanks
  - Preparation Blanks
  - Matrix Spike
  - Duplicate Analyses
* * - ICP Interference Check Sample
* * - Detection Limit Results
* * - Linear Range
* * - Sample Results

* - Indicates that all criteria were met for this parameter.

Data Validation Summary

The problems with the matrix spike, matrix duplicate and serial dilution should be noted.

These are described in detail below

No other problems were detected with the analyses.

Holding Times

All samples were analyzed within the required holding times.

CRDL Standards

CRDL standards were not analyzed.

Initial and Continuing Calibrations

No problems were detected with any of the calibrations associated with this sample delivery group.

Preparation Blank

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

Calibration Blanks

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

Field Blank

A field blank was not analyzed with this sample delivery group.

ICP Interference Check Sample

All ICP check samples recoveries were within the 80% - 120% limits.

Matrix Spike Recovery

Sample SB-25 4-8 (L1968-20AMS) was used for the matrix spike.

All percent recoveries were within the 75% - 125% QC limits with the exceptions of antimony (46%), arsenic (56%), nickel (705%), selenium (0%), thallium (0%) and zinc (37%).

The data for selenium and thallium were flagged with the “R” qualifier and technically rejected when they were not detected in a sample.

The selenium and thallium data were flagged with the “J” qualifier when they were detected in a sample.

The data for the remaining compounds were flagged with the “J” qualifier and are estimated values.

Duplicate Analysis

The duplicate analyses was performed on sample SB-25 4-8 (L1968-20ADUP).

Relative percent differences were within the 20% QC limit with the exceptions of aluminum (22%), barium (33%), chromium (22%), lead (22%), nickel (59%), potassium (91%), sodium (142%), vanadium (50%) and zinc (24%).

The data for these compounds were flagged with the “J” qualifier and are estimated values.

Laboratory Control Sample

All laboratory control samples were within the required limits.

Serial Dilutions

The serial dilution analysis was performed on sample SB-25 4-8 (L1968-20ASD).

All percent differences were less than 10% QC limits with the exceptions of arsenic (29%), beryllium (12%), cadmium (64%), cobalt (17%), lead (19%), magnesium (16%), nickel (17%), potassium (10%), sodium (76%), vanadium (36%) and zinc (23%).

The data for these compounds were flagged with the J qualifier and are estimated values.

Instrument Detection Limit

No problems were found with the instrument detection limits.

ICP Linear Ranges

No problems were detected with the linear ranges.

Sample Results

Note: The laboratory used the “B” qualifier to denote sample concentrations between the instrument detection limit and CRDL. This was changed to the “J” qualifier in the interpreted qualifiers column of the EDD.

No other problems were detected with any of these samples.

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Buffalo Lakeside

Soil Inorganic Analyses
Samples Collected: September 18th & 19th, 2012
Samples Received: September 20, 2012
Sample Delivery Group: L1969

Laboratory Reference Numbers	Client Sample Number
L1969-01	SB-25 8-12
L1969-02	SB-24 0-4
L1969-03	SB-24 4-8
L1969-04	SS-1
L1969-05	SS-2

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

* * - Data Completeness
* * - Holding Times
* * - Calibration Verification
  - CRDL Standards
* * - Laboratory Control Sample
  - Serial Dilutions
  - Calibration Blanks
  - Field Blanks
  - Preparation Blanks
  - Matrix Spike
  - Duplicate Analyses
* * - ICP Interference Check Sample
* * - Detection Limit Results
* * - Linear Range
* * - Sample Results

* - Indicates that all criteria were met for this parameter.

Data Validation Summary

No problems were detected with the analyses.

Holding Times

All samples were analyzed within the required holding times.

CRDL Standards

CRDL standards were not analyzed.

Initial and Continuing Calibrations

No problems were detected with any of the calibrations associated with this sample delivery group.

Preparation Blank

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

Calibration Blanks

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

Field Blank

A field blank was not analyzed with this sample delivery group.

ICP Interference Check Sample

All ICP check samples recoveries were within the 80% - 120% limits.

Matrix Spike Recovery

A matrix spike was not analyzed.

Duplicate Analysis

The duplicate sample was not analyzed.

Laboratory Control Sample

All laboratory control samples were within the required limits.

Serial Dilutions

A serial dilution was not analyzed.

Instrument Detection Limit

No problems were found with the instrument detection limits.

ICP Linear Ranges

No problems were detected with the linear ranges.

Sample Results

Note: The laboratory used the “B” qualifier to denote sample concentrations between the instrument detection limit and CRDL. This was changed to the “J” qualifier in the interpreted qualifiers column of the EDD.

No other problems were detected with any of these samples.

SUMMARY OF THE ANALYTICAL DATA VALIDATION
Buffalo Lakeside

Soil Inorganic Analyses
Samples Collected: September 18th, 2012
Samples Received: September 20, 2012
Sample Delivery Group: L1970

Laboratory Reference Numbers	Client Sample Number
L1970-01	TCLP-1
L1970-02	SB-15 0-4

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - Holding Times
* - Calibration Verification
- CRDL Standards
* - Laboratory Control Sample
- Serial Dilutions
- Calibration Blanks
- Field Blanks
- Preparation Blanks
- Matrix Spike
- Duplicate Analyses
* - ICP Interference Check Sample
* - Detection Limit Results
* - Linear Range
* - Sample Results

* - Indicates that all criteria were met for this parameter.

Data Validation Summary

No problems were detected with the analyses.

Holding Times

All samples were analyzed within the required holding times.

CRDL Standards

CRDL standards were not analyzed.

Initial and Continuing Calibrations

No problems were detected with any of the calibrations associated with this sample delivery group.

Preparation Blank

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

Calibration Blanks

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

Field Blank

A field blank was not analyzed with this sample delivery group.

ICP Interference Check Sample

All ICP check samples recoveries were within the 80% - 120% limits.

Matrix Spike Recovery

A matrix spike was not analyzed.

Duplicate Analysis

The duplicate sample was not analyzed.

Laboratory Control Sample

All laboratory control samples were within the required limits.

Serial Dilutions

A serial dilution was not analyzed.

Instrument Detection Limit

No problems were found with the instrument detection limits.

ICP Linear Ranges

No problems were detected with the linear ranges.

Sample Results

Note: The laboratory used the “B” qualifier to denote sample concentrations between the instrument detection limit and CRDL. This was changed to the “J” qualifier in the interpreted qualifiers column of the EDD.

No other problems were detected with any of these samples.

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
harry@frontiernet.net

August 2, 2014

Amy Picunas
CDM Smith
11 British American Boulevard Suite 200
Latham, NY 12110

RE: Validation of the Buffalo Lakeside Commerce Park Site Analytical Data Packages
Data Usability Summary Report (DUSR)

Spectrum Analytical Inc. SDG Nos. N1176, N1181, N1194, N1205, N1208, N1220, and N1221

Dear Ms. Picunas:

Review has been completed for the data packages generated by Spectrum Analytical Laboratories that pertain to samples collected between 07/07/14 and 07/15/14 at the Buffalo Lakeside Commerce Park site. Sixty-seven soil samples, eight soil field duplicates, eleven aqueous samples, and two aqueous field duplicates were processed for site-specific semivolatile PAHs and metals, total cyanide, and hexavalent chromium. The analytical methodologies utilized are USEPA SW846 methods 8270D, 6010C, 9012, and 7196.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method, Field, and Trip Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, results for target analyte are usable either as reported or with minor qualification/ edit, with the following exceptions:

- the results for the three semivolatile phenolic analytes in one sample are not usable
- the results for selenium and thallium are not usable in one sample due to an apparent matrix effect

It is also noted that there is evidence of non-homogeneity in the soil samples, as indicated by poor field duplicate correlations in some instances.

Data completeness exceeds 95%, and accuracy, representativeness, comparability, and sensitivity are acceptable.

Copies of the client sample identifications are attached to this text. Also included in this report are client results EDDs with recommended qualifiers/edits applied in red.

Chain-of-Custody/Sample Receipt

Due to elevated temperature at sample receipt (after extended time in transit over a weekend), the results for the semivolatiles, total cyanide, and hexavalent chromium in six samples and two field duplicates reported in SDG N1205 have been qualified as estimated, and may have a low bias.

The second page of the custodies for samples reported in N1181 does not show the matrix entries.

Blind Field Duplicate

The blind field duplicate evaluations of SB-06-10-070714, SB-11-10-070814, SS-04-070914, SS-10-070914, SS-24-071014, SS-37-071114, SS-44-071114, SS-47-071414, GW-TP-08-071114, and GW-TP-09-071414 show acceptable correlations, with the following exceptions, results for which are qualified as estimated in the indicated parent sample and its field duplicate:

- naphthalene, aluminum, barium, cadmium, calcium, chromium, lead, magnesium, zinc, and total cyanide in SB-06-10-070714
- all semivolatile detections, arsenic, cadmium, chromium, cobalt, copper, iron, lead, manganese, nickel, sodium, thallium, vanadium, and zinc in SB-11-10-070814
- antimony, beryllium, calcium, copper, nickel, sodium, and thallium in SS-04-070914
- chromium, iron, sodium, and vanadium in SS-10-070914
- selenium and thallium in SS-24-070914
- aluminum, barium, beryllium, calcium, magnesium, sodium, zinc, and total cyanide in SS-37-071114
- nickel and total cyanide in SS-47-071414
- total cyanide in GW-TP-09-071414

The total cyanide result for SS-37-071114 varies widely from that of its duplicate, at 6.9 mg/kg and non-detect at a reporting limit of 0.5 mg/kg. SS-44-071114 shows similar variance, at 4.3 mg/kg and <0.5 mg/kg. Similar variances were observed in total cyanide laboratory duplicates (detailed later in this text).

The field duplicate of SB-11-10-070814 shows poor correlation to the parent sample for the semivolatiles (most are five to eight fold different in concentrations) and the metals (five are at least 90%RPD; some are more highly concentrated in the parent sample, and some are more highly concentrated in the duplicate).

The variance for naphthalene in SB-06-10-070714 was significant, with values of 150 ppb and 3800 ppb. The solids content of this sample that was determined at the subcontract laboratory (for the hexavalent chromium analysis) differed significantly from that determined at Pace Analytical. The result for hexavalent chromium is qualified as estimated as a result.

The solids content of SB-06-10-070714, SS-24-070914, and SS-37-071114 that were determined at the subcontract laboratory (for the hexavalent chromium analysis) differ significantly from those determined at Pace Analytical. The results for hexavalent chromium in those samples are therefore qualified as estimated.

Data Package Completeness

Raw data for the subcontracted soil hexavalent chromium analyses were submitted on request.

Semivolatile Analyses by EPA8270D

All of the surrogate recoveries for GW-TP-06-071514 were below required limits, including one acid surrogate value below 10%. Therefore the results for 2-methylphenol, 4-methylphenol, and pentachlorophenol in that sample are rejected and not usable. All other results, including the detected result for phenol, in that sample are qualified as estimated, with a low bias. The sample could not be re-extracted due to lack of available sample volume.

4-Methylphenol detections in the samples can be 3-methylphenol, as these two compounds are not distinguishable from one another in the analysis.

The following detections are edited as tentative in identification and estimated in value due to poor mass spectral quality:

- anthracene in SB-06-10-070714
- benzo(k)fluoranthene and benzo(g,h,i)perylene in SB-16-10-070814

The detections of 2-methylphenol in GW-TP-10-071414 and naphthalene in GW-TP-11-071414 are edited to reflect non-detection due to very poor mass spectral quality.

The standard reference spectra are incorrect on some of the sample files. Reported results are unaffected.

Results for analytes initially reported with the laboratory "E" flag are derived from the dilution analyses of the samples, thus reflecting responses within the established linear range of the instrument.

Internal standard responses are compliant. Instrument tunes meet fragmentation requirements.

Blanks show no contamination affecting sample results.

Matrix spike evaluations performed on SB-10-10-070814, SS-11-071014, SS-23-071014, SS-51-071414, and GW-TP-05-071514 show recoveries and duplicate correlations that are within the project required limits, indicating acceptable accuracy and precision.

The results for pentachlorophenol in GW-TP-05-071514, GW-TP-06-071514, GW-TP-07-071514, GW-TP-12-071514, and GW-FB-071514 are qualified as estimated due to low response (43%D) in the associated continuing calibration standard.

Metals Analyses by EPA 6010C

Results for selenium and thallium are rejected and not usable in SB-10-10-070814 due to failure of those elements to recover in the matrix spike of the sample.

The following additional matrix spike/duplicate evaluations show recoveries or correlations that are outside the recommended limits, indicating a matrix effect on analyte recovery from the samples. The results for the listed elements are qualified as estimated in the indicated parent sample:

Parent Sample	Element	%Recovery	%RPD
SB-10-10-070814	Aluminum		41
	Antimony	50	
	Barium		36
	Beryllium		>±2XCRDL
	Cadmium		55
	Chromium	322	
	Iron		40
	Nickel	73	46
SB-12-10-070814	Antimony	39	
	Chromium	73	
	Copper	161	
	Cadmium	68	
	Potassium		65
	Zinc	157	
SS-11-071014	Antimony	43	
	Cadmium	64	37
	Chromium	6	
	Thallium	64	>±2XCRDL
SS-23-071014	Antimony	45	
	Chromium		38
	Nickel	166	49
	Selenium	64	
SS-41-071114	Antimony	37	
	Arsenic	141	
	Chromium	62	66
	Nickel	58	
	Selenium	74	
	Thallium	69	

Parent Sample	Element	%Recovery	%RPD
SS-51-071414	Antimony	41	
	Beryllium		55
	Chromium	463	
	Magnesium		53
	Silver		51
	Sodium		>±2XCRDL

The matrix spikes of GW-TP-05-071514 show recoveries and correlations within validation guidelines.

The following ICP serial dilution correlations fall above the validation action limit, and results for the listed elements are qualified as estimated in the indicated parent sample:

Parent Sample	Element	%Difference
SB-10-10-070814	Arsenic	92
	Barium	18
	Beryllium	23
	Cadmium	26
	Chromium	18
	Cobalt	31
	Lead	27
	Magnesium	27
	Nickel	26
	Vanadium	74
	Zinc	36
SB-12-10-070814	Cadmium	29
	Cobalt	23
	Vanadium	17
	Zinc	19
SS-11-071014	Arsenic	16
	Cadmium	31
	Zinc	16
SS-23-071014	Cadmium	25
	Cobalt	18
	Vanadium	18
	Zinc	18
SS-41-071114	Arsenic	23
	Cadmium	29
	Cobalt	18
	Vanadium	23
	Zinc	19
SS-51-071114	Cadmium	40
	Cobalt	16

The ICP serial dilution of GW-TP-05-071514 shows acceptable correlations.

Although the results are not provided on summary forms in the data packages, the low level concentration ICP standards required of the protocol were processed and reported in the raw data.

Instrument performance is compliant.

Hexavalent Chromium and Total Cyanide Analyses by EPA 7196 and EPA 9012

The total cyanide matrix spikes of SB-06-10-070714, SB-10-10-070814, SS-FD-02-070914, SS-11-071014, SS-23-071014, and SS-40-071114 show outlying total cyanide recoveries and/or duplicate correlations. As with the field duplicates, the laboratory duplicates differed from the parent with one of the pair showing detection well above the reporting limits, and one showing non-detection. In that some of the post-digest spikes recoveries were also outside limits, a matrix effect as well as a nonhomogeneous matrix are suspected. All of the total cyanide results in the soil samples are qualified as estimated in value, with an unknown direction of bias.

Due to analyses performed outside the allowable holding time, the result for hexavalent chromium in the field blank FB-01-071114 is rejected, and the results for hexavalent chromium in GW-TP-08-071114 and GW-TP-DUP1-071114 are qualified as estimated.

The total cyanide matrix spike recoveries and duplicate correlations of SS-51-071414 and GW-TP-0-071514, and the hexavalent chromium matrix spike recovery and duplicate correlation of GW-TP-05071514, are within recommended ranges.

The insoluble hexavalent chromium matrix spikes of SS-51-071414 and SS-11-071014 show recoveries and correlations within the guidance limits. The insoluble hexavalent chromium matrix spikes of SB-10-10-070814 and SS-23-071014 show low recoveries (56% and 57%). The soluble hexavalent chromium matrix spikes recovered only at or below 10% for all four of those parent samples. However, those samples were in a reducing state, meaning that hexavalent chromium would have been converted to trivalent chromium in the natural matrix; a point proven by the failed and low recovery spikes. It must be noted that the laboratory entries on the report forms for many of the samples that are actually in a reducing state (shown by the pH/Redox measurements) incorrectly state that they are in an oxidizing state. Those forms should be regenerated and submitted by the laboratory.

The blanks show no contamination. Instrument performance was acceptable.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside

SDG : N1176

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-01-10-070714	N1176-01		SW8270_S		SW6010_S	SEE DATA
SB-02-10-070714	N1176-02		SW8270_S		SW6010_S	SEE DATA
SB-03-10-070714	N1176-03		SW8270_S		SW6010_S	SEE DATA
SB-04-10-070714	N1176-04		SW8270_S		SW6010_S	SEE DATA
SB-05-10-070714	N1176-05		SW8270_S		SW6010_S	SEE DATA
SB-06-10-070714	N1176-06		SW8270_S		SW6010_S	SEE DATA
FD-01-070714	N1176-07		SW8270_S		SW6010_S	SEE DATA
SB-07-03-070714	N1176-08		SW8270_S		SW6010_S	SEE DATA
SB-07-10-070714	N1176-09		SW8270_S		SW6010_S	SEE DATA
SB-08-04-070714	N1176-10		SW8270_S		SW6010_S	SEE DATA
SB-09-04-070814A	N1176-11		SW8270_S		SW6010_S	SEE DATA
SB-12-10-070814	N1176-12		SW8270_S		SW6010_S	SEE DATA
SB-13-08-070814	N1176-13		SW8270_S		SW6010_S	SEE DATA
SB-14-10-070814	N1176-14		SW8270_S		SW6010_S	SEE DATA
SB-15-08-070814	N1176-15		SW8270_S		SW6010_S	SEE DATA
SB-16-10-070814	N1176-16		SW8270_S		SW6010_S	SEE DATA
SB-01-10-070814	N1176-17					SEE DATA
SB-02-10-070814	N1176-18					SEE DATA
SB-03-10-070814	N1176-19					SEE DATA
SB-04-10-070814	N1176-20					SEE DATA
SB-10-10-070814A	N1176-21		SW8270_S		SW6010_S	SEE DATA
SB-11-10-070814A	N1176-22		SW8270_S		SW6010_S	SEE DATA
FD-02-070814A	N1176-23		SW8270_S		SW6010_S	SEE DATA
SB-05-10-070814	N1176-24					SEE DATA
SB-06-10-070814	N1176-25					SEE DATA
FD-01-070814	N1176-26					SEE DATA
RB-01-070814	N1176-27		SW8270_W		SW6010_W	SEE DATA
SB-07-03-070814	N1176-28					SEE DATA
SB-07-10-070814	N1176-29					SEE DATA
SB-08-04-070814	N1176-30					SEE DATA
SB-09-04-070814B	N1176-31					SEE DATA
SB-11-10-070814B	N1176-32					SEE DATA
FD-02-070814B	N1176-33					SEE DATA
SB-10-10-070814B	N1176-34					SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside

SDG : N1181

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SS-01-070914	N1181-01		SW8270_S		SW6010_S	SEE DATA
SS-02-070914	N1181-02		SW8270_S		SW6010_S	SEE DATA
SS-03-070914	N1181-03		SW8270_S		SW6010_S	SEE DATA
SS-04-070914	N1181-04		SW8270_S		SW6010_S	SEE DATA
SS-FD-01-070914	N1181-05		SW8270_S		SW6010_S	SEE DATA
SS-05-070914	N1181-06		SW8270_S		SW6010_S	SEE DATA
SS-06-070914	N1181-07		SW8270_S		SW6010_S	SEE DATA
SS-07-070914	N1181-08		SW8270_S		SW6010_S	SEE DATA
SS-08-070914	N1181-09		SW8270_S		SW6010_S	SEE DATA
SS-09-070914	N1181-10		SW8270_S		SW6010_S	SEE DATA
SS-10-070914	N1181-11		SW8270_S		SW6010_S	SEE DATA
SS-FD-02-070914	N1181-12		SW8270_S		SW6010_S	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside

SDG : N1194

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SS-11-071014	N1194-01		SW8270_S		SW6010_S	SEE DATA
SS-12-071014	N1194-02		SW8270_S		SW6010_S	SEE DATA
SS-13-071014	N1194-03		SW8270_S		SW6010_S	SEE DATA
SS-14-071014	N1194-04		SW8270_S		SW6010_S	SEE DATA
SS-15-071014	N1194-05		SW8270_S		SW6010_S	SEE DATA
SS-16-071014	N1194-06		SW8270_S		SW6010_S	SEE DATA
SS-17-071014	N1194-07		SW8270_S		SW6010_S	SEE DATA
SS-18-071014	N1194-08		SW8270_S		SW6010_S	SEE DATA
SS-19-071014	N1194-09		SW8270_S		SW6010_S	SEE DATA
SS-20-071014	N1194-10		SW8270_S		SW6010_S	SEE DATA
GW-TP-01-071014	N1194-11		SW8270_W		SW6010_W	SEE DATA
SS-21-071014	N1194-12		SW8270_S		SW6010_S	SEE DATA
SS-22-071014	N1194-13		SW8270_S		SW6010_S	SEE DATA
SS-23-071014	N1194-14		SW8270_S		SW6010_S	SEE DATA
SS-24-071014	N1194-15		SW8270_S		SW6010_S	SEE DATA
SS-FD-03-071014	N1194-16		SW8270_S		SW6010_S	SEE DATA
SS-25-071014	N1194-17		SW8270_S		SW6010_S	SEE DATA
SS-26-071014	N1194-18		SW8270_S		SW6010_S	SEE DATA
SS-27-071014	N1194-19		SW8270_S		SW6010_S	SEE DATA
SS-28-071014	N1194-20		SW8270_S		SW6010_S	SEE DATA
SS-29-071014	N1194-21		SW8270_S		SW6010_S	SEE DATA
SS-30-071014	N1194-22		SW8270_S		SW6010_S	SEE DATA
SS-31-071014	N1194-23		SW8270_S		SW6010_S	SEE DATA
SS-32-071014	N1194-24		SW8270_S		SW6010_S	SEE DATA
GW-TP-03-071014	N1194-25		SW8270_W		SW6010_W	SEE DATA
GW-TP-02-071014	N1194-26		SW8270_W		SW6010_W	SEE DATA
FB-01-071014	N1194-27		SW8270_W		SW6010_W	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1205

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SS-42-071114	N1205-01		SW8270_S		SW6010_S	SEE DATA
SS-43-071114	N1205-02		SW8270_S		SW6010_S	SEE DATA
SS-FD-05-071114	N1205-03		SW8270_S		SW6010_S	SEE DATA
SS-44-071114	N1205-04		SW8270_S		SW6010_S	SEE DATA
SS-45-071114	N1205-05		SW8270_S		SW6010_S	SEE DATA
GW-TP-08-071114	N1205-06		SW8270_W		SW6010_W	SEE DATA
GW-DUP-01-071114	N1205-07		SW8270_W		SW6010_W	SEE DATA
FB-01-071114	N1205-08		SW8270_W		SW6010_W	SEE DATA
SS-33-071114	N1205-09		SW8270_S		SW6010_S	SEE DATA
SS-34-071114	N1205-10		SW8270_S		SW6010_S	SEE DATA
SS-35-071114	N1205-11		SW8270_S		SW6010_S	SEE DATA
SS-36-071114	N1205-12		SW8270_S		SW6010_S	SEE DATA
SS-37-071114	N1205-13		SW8270_S		SW6010_S	SEE DATA
SS-FD-04-071114	N1205-14		SW8270_S		SW6010_S	SEE DATA
SS-38-071114	N1205-15		SW8270_S		SW6010_S	SEE DATA
SS-39-071114	N1205-16		SW8270_S		SW6010_S	SEE DATA
SS-40-071114	N1205-17		SW8270_S		SW6010_S	SEE DATA
SS-41-071114	N1205-18		SW8270_S		SW6010_S	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1208

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SS-46-071414	N1208-01		SW8270_S		SW6010_S	SEE DATA
SS-47-071414	N1208-02		SW8270_S		SW6010_S	SEE DATA
SS-48-071414	N1208-03		SW8270_S		SW6010_S	SEE DATA
SS-49-071414	N1208-04		SW8270_S		SW6010_S	SEE DATA
SS-50-071414	N1208-05		SW8270_S		SW6010_S	SEE DATA
SS-51-071414	N1208-06		SW8270_S		SW6010_S	SEE DATA
SS-FD-06-071414	N1208-07		SW8270_S		SW6010_S	SEE DATA
GW-TP-10-071414	N1208-08		SW8270_W		SW6010_W	SEE DATA
GW-TP-11-071414	N1208-09		SW8270_W		SW6010_W	SEE DATA
FB-03-071414	N1208-10		SW8270_W		SW6010_W	SEE DATA
GW-TP-09-071414	N1208-11		SW8270_W		SW6010_W	SEE DATA
GW-FD-02-071414	N1208-12		SW8270_W		SW6010_W	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1220

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
GW-TP-06-071514	N1220-01		SW8270_W		SW6010_W	SEE DATA
GW-TP-07-071514	N1220-02		SW8270_W		SW6010_W	SEE DATA
GW-TP-12-071514	N1220-03		SW8270_W		SW6010_W	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1221

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
GW-TP-05-071514	N1221-01		SW8270_W		SW6010_W	SEE DATA
GW-FB-04-071514	N1221-02		SW8270_W		SW6010_W	SEE DATA

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
harry@frontiernet.net

September 15, 2014

Amy Picunas
CDM Smith
11 British American Boulevard Suite 200
Latham, NY 12110

RE: Validation of the Buffalo Lakeside Commerce Park Site Analytical Data Packages
Data Usability Summary Report (DUSR)
Spectrum Analytical Inc. SDG Nos. N1532, B1537, and N1547

Dear Ms. Picunas:

Review has been completed for the data packages generated by Spectrum Analytical Laboratories that pertain to samples collected between 08/25/14 and08/28/14 at the Buffalo Lakeside Commerce Park site. Twelve aqueous samples and one aqueous field duplicates were processed for site-specific semivolatile PAHs and metals, total cyanide, and hexavalent chromium. The analytical methodologies utilized are USEPA SW846 methods 8270D, 6010C, 9012, and 7196.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method, Field, and Trip Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, results for target analyte are usable either as reported or with minor qualification/edit.

Data completeness exceeds 95%, and accuracy, representativeness, reproducibility, sensitivity, and comparability are acceptable.

Copies of the client sample identifications are attached to this text. Also included in this report are client results EDDs with recommended qualifiers/edits applied in red.

Chain-of-Custody/Sample Receipt

The laboratory receive date for samples reported in SDG N1547 should have been 08/2/8/14, not 08/27/14.

The custody forms do not have fields for relinquish date/time, only receipt date/time.

Blind Field Duplicate

The blind field duplicate evaluation of WG-TP-08-082514 shows acceptable correlations for all analytes.

Data Package Completeness

Raw data for the hexavalent chromium analyses in N1537 were submitted on request.

Semivolatile Analyses by EPA8270D

The 4-methylphenol detections in the samples can be 3-methylphenol, as these two compounds are not distinguishable from one another in the analysis.

Surrogate and internal standard responses are compliant. Instrument tunes meet fragmentation requirements. Blanks show no contamination.

The matrix spike evaluation was performed on WG-TP-02-082514, and show recoveries and duplicate correlations that are within the project required limits, indicating acceptable accuracy and precision.

Metals Analyses by EPA 6010C

The matrix spikes of GW-TP-02-082514 show recoveries and correlations within validation guidelines.

The ICP serial dilution of GW-TP-02-082514 shows acceptable correlations.

Although the results are not provided on summary forms in the data packages, the low level concentration ICP standards required of the protocol were processed and reported in the raw data.

Instrument performance is compliant.

Hexavalent Chromium and Total Cyanide Analyses by EPA 7196 and EPA 9012

WG-TP-02-082514, WG-TP-DUP1-082514, and WG-TP-07-082614 produced hexavalent chromium detected results falling between 37 ug/L and 41 ug/L. However, the total chromium results for those samples are non-detection at concentrations below 1 ug/L. The total chromium results are much less susceptible to matrix interferences, and those for hexavalent chromium in those samples are likely false positives. The results for hexavalent chromium in WG-TP-02-082514, WG-TP-DUP1-082514, and WG-TP-07-082614 are edited to reflect non-detection at elevated reporting limits corresponding to the originally reported concentrations.

The total cyanide matrix spike recoveries and duplicate correlations of WG-TP-02-082514 are acceptable. The hexavalent chromium matrix spike recovery of that parent sample is low, at 50%. The result for that analyte in WG-TP-02-082514 is qualified as estimated in value, with a possible low bias.

WG-TP-06-082814 was processed at fivefold dilution due to matrix interference, resulting in a proportionally elevated reporting limit.

The blanks show no contamination. Instrument performance was acceptable.

The raw data for hexavalent chromium were not present in the data package for SDG N1537, but were provided upon request.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1532

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
WG-TP-08-082514	N1532-01		SW8270_W		SW6010_W	SEE DATA
WG-TP-DUP1-082514	N1532-02		SW8270_W		SW6010_W	SEE DATA
WG-TP-FB01-082514	N1532-03		SW8270_W		SW6010_W	SEE DATA
WG-TP-02-082514	N1532-04		SW8270_W		SW6010_W	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1537

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
WG-TP-01-082614	N1537-01		SW8270_W		SW6010_W	SEE DATA
WG-TP-11-082614	N1537-02		SW8270_W		SW6010_W	SEE DATA
WG-TP-12-082614	N1537-03		SW8270_W		SW6010_W	SEE DATA
WG-TP-03-082614	N1537-04		SW8270_W		SW6010_W	SEE DATA
WG-TP-10-082614	N1537-05		SW8270_W		SW6010_W	SEE DATA
WG-TP-09-082614	N1537-06		SW8270_W		SW6010_W	SEE DATA
WG-TP-07-082614	N1537-07		SW8270_W		SW6010_W	SEE DATA
WG-TP-04-082614	N1537-08		SW8270_W		SW6010_W	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** N1547

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
WG-TP-06-082714	N1547-01		SW8270_W		SW6010_W	SEE DATA
WG-TP-05-082714	N1547-02		SW8270_W		SW6010_W	SEE DATA

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
harry@frontiernet.net

November 12, 2014

Amy Picunas
CDM Smith
11 British American Boulevard Suite 200
Latham, NY 12110

RE: Validation of the Buffalo Lakeside Commerce Park Site Analytical Data Packages
Data Usability Summary Report (DUSR)
Spectrum Analytical Inc. SDG Nos. N1727, B1741, and N1761

Dear Ms. Picunas:

Review has been completed for the data packages generated by Spectrum Analytical Laboratories that pertain to samples collected between 09/17/14 and 09/19/14 at the Buffalo Lakeside Commerce Park site. The total and dissolved fractions (unfiltered and filtered) of twelve aqueous samples and two field duplicates were processed for TAL metals (excluding mercury), total cyanide, amenable cyanide, and Physical Available Cyanide (PAC). Six sediment samples and a field duplicate were also processed for those same parameters. The analytical methodologies utilized are USEPA SW846 methods 6010C, and 9012, and method 335.4. The weak acid dissociable cyanide analyses reported the data packages did not undergo validation review.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method, Field, and Trip Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, results for the target metals analytes are usable either as reported or with minor qualification/edit.

The cyanide data show several items of concern, discussed later in this report. Of greatest concern are the amenable cyanide data, some of which show higher responses for cyanide following the chlorination process than before.

Other concerns relate to inconsistencies observed between filtered and unfiltered concentrations of cyanides in some of the samples, and in field duplicate correlations of the cyanides in the aqueous samples. It is not apparent whether these variances are due to sample matrix (including interferences or non-homogeneity), analytical method or processing anomalies, or human error. Because there are also numerous outlying matrix spike recoveries for the various cyanide methods, it does appear that the matrix or method anomalies are more likely than human error. In a couple of instances, the samples showing variances from the expected values were reanalyzed with consistent results.

For metals analytes, data completeness exceeds 95%, and accuracy, representativeness, reproducibility, sensitivity, and comparability are acceptable. For the cyanides, although no data are rejected, results should be used with caution.

Copies of the client sample identifications are attached to this text. Also included in this report are client results EDDs with recommended qualifiers/edits applied in red.

Chain-of-Custody

The custody form requests TAL metals; however, mercury is not processed/reported.

The field custody forms associated with the samples reported in SDG N1761 do not include the entry for the relinquish time.

The time of collection of the field duplicates should not have been entered on the custody forms.

Blind Field Duplicate

The blind field duplicate evaluations of BASIN-U-2-20140917, BASIN-F-2-20140917, and BASIN-3-SED-20140918 shows acceptable correlations, with the following exceptions, results for which are qualified in the indicated parent sample and its associated duplicate:

- iron (132%RPD), manganese (154%RPD), magnesium (55%RPD), zinc (>±2XCRDL) , and total cyanide (>±2XCRDL) in BASIN-U-2-20140917
- total cyanide and amenable cyanide (>±2XCRDL) in BASIN-F-2-20140917

Both of the total and amenable cyanide values in BASIN-F-2-20140917 vary by about an order of magnitude from the field duplicate, with the field duplicate showing the higher concentrations. That filtered field duplicate also shows higher concentrations than the unfiltered fraction for those two analytes. Those results should be used with caution.

Metals Analyses by EPA 6010C

Due to very low solids content, results for BASIN-2-SED-20140918 (13%) and BASIN-3-SED-2014-0918 (28%) are qualified as estimated.

The matrix spikes of BASIN-F-1-20140917, BASIN-U-2-20140917, BASIN-2-SED-20140918, CB-2-SED-20140919, CB-2-F-20140919, OUTFALL-F-20140919, and OUTFALL-U-20140919 show recoveries and correlations within validation guidelines, with the following exceptions, results for which are qualified as estimated in the indicate parent sample:

- aluminum (27%RPD) in BASIN-F-1-20140917
- potassium (127%RPD and 126%RPD) in BASIN-2-SED-20140918
- aluminum (408% and 444%), potassium (134% and 130%), and sodium (127% and 126%) in CB-2-SED-20140919

The ICP serial dilution evaluations of BASIN-F-1-20140917, BASIN-U-2-20140917, BASIN-2-SED-20140918, CB-2-SED-20140919, CB-2-F-20140919, OUTFALL-F-20140919, and OUTFALL-U-20140919 show acceptable correlations.

Instrument performance is compliant.

Total and filtered fractions correlate well.

Total, PAC, and Amenable Cyanide Analyses by EPA 9012

Due to very low solids content, results for BASIN-2-SED-20140918 (13%) and BASIN-3-SED-2014-0918 (28%) are qualified as estimated.

As discussed in the laboratory narrative, the analyses for amenable cyanide in BASIN-F-1-20140917, BASIN-U-1-20140917, BASIN-U-DUP-20140917, TP-11-U-20140918, BASIN-DUP-SED-20140918, BASIN-1-SED-20140918, BASIN-2-SED-20140918, BASIN-3-SED-20140918, CB-1-U-20141919, CB-2-F-20141919, CB-2-U-20141919, CB-3-U-20141919, CB-4-F-20141919, and CB-4-U-20141919 produced a negative result (following the subtraction of the response following chlorination from the total cyanide concentrations), possibly due to breakdown or interferences from the chlorination process. Due to this matrix effect, the amenable cyanide results in those samples are qualified as estimated in value, but may be of borderline usability.

Several of the samples show significantly higher concentrations (by up to an order of magnitude) in the filtered (dissolved) fraction than the unfiltered fraction. The reason for these variances is not evident in the data packages. The following results have been qualified as estimated in both fractions of the indicated samples:

Sample ID	Total Cyanide	Amenable Cyanide	PAC
TP-6-20140918			X
TP-8-20140918		X	
TP-10-20140918	X	X	X
BASIN-DUP-20140917	X	X	
OUTFALL-20140919	X	X	
CB-2-20140919	X		
CB-3-20140919	X	X	
CB-4-20140919	X		

The following matrix spike/duplicate evaluations were performed:

- Total cyanide on BASIN-F-2-20140917, BASIN-F-DUP-20140917, BASIN-U-2-20140917, BASIN-2-SED-20140918, TP-8-F-20140918, TP-11-F-20140918, TP-10-U-20140918, TP11-U-20140918, CB-1-U-20140919, CB-3-U-20140919, OUTFALL-U-20140919, and CB-2-SED-20140919
- PAC in BASIN-U-2-20140917, BASIN-F-2-20140917, TP-08-U-20140918, BASIN-2-SED-20140918, CB-4-F-20140919, CB-4-U-20140919, and CB-2-SED-20140919

The following significant matrix spike recovery/duplicate correlation outliers were noted, with results qualified as estimated in the indicated parent sample:

- Total cyanide in BASIN-F-2-20140917 (44%, 78%RPD), BASIN-U-2-20140917 (4% and 18%), TP-11-U-20140918 (52% and 16%), CB-1-U-20140919 (38% and 132%; 92%RPD), and CB-2-SED-20140919 (51% and 97%; 49%RPD)
- PAC (30% and 78%) in TP-08-U-20140918, CB-4-F-20140919 (0% and 57%) and CB-2-SED-20140919 (55% and 57%)

The blanks show no contamination affecting sample reported results. Instrument performance was acceptable.

Raw data run logs should better clarify the differences between the total cyanide and amenable cyanide analyses of the samples. The scratch-overs on the raw data should have been dated and initialed.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

Sample Identification and Analytical Requirements Summary

Project Name: Buffalo Lakeside SDG: SB96577

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOC Method #	SVOC Method #	GC Method #	Metals	Other
BASIN-U-1-20140917	SB96577-01				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
BASIN-F-1-20140917	SB96577-02				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
BASIN-U-2-20140917	SB96577-03				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
BASIN-F-2-20140917	SB96577-04				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
BASIN-F-DUP-2014091'	SB96577-05				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
FB-20140917	SB96577-06				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
BASIN-U-3-20140917	SB96577-07				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
BASIN-F-3-20140917	SB96577-08				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
BASIN-U-DUP-2014091	SB96577-09				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B

Sample Identification and Analytical Requirements Summary

Project Name: Buffalo Lakeside SDG: SB96682

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOC Method #	SVOC Method #	GC Method #	Metals	Other
BASIN-2-SED-20140918	SB96682-01				SW846 6010C SW846 7471B varies	SM2540 G Mod. SM2540 G Mod. calculation SW846 9012B
BASIN-3-SED-20140918	SB96682-02				SW846 6010C SW846 7471B varies	SM2540 G Mod. SM2540 G Mod. calculation SW846 9012B
BASIN_DUP-SED-2014(	SB96682-03				SW846 6010C SW846 7471B varies	SM2540 G Mod. SM2540 G Mod. calculation SW846 9012B
BASIN-1-SED-20140918	SB96682-04				SW846 6010C SW846 7471B varies	SM2540 G Mod. SM2540 G Mod. calculation SW846 9012B
TP-8-F-20140918	SB96682-05					335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
TP-6-F-20140918	SB96682-06					335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
TP-10-F-20140918	SB96682-07					335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
TP-08-U-20140918	SB96682-08					335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
TP-06-U-20140918	SB96682-09					335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
TP-10-U-20140918	SB96682-10					335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B

Sample Identification and Analytical Requirements Summary

Project Name: Buffalo Lakeside SDG: SB96682

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOC Method #	SVOC Method #	GC Method #	Metals	Other
TP-11-U-20140918	SB96682-11					335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
TP-11-F-20140918	SB96682-12					335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B

Sample Identification and Analytical Requirements Summary

Project Name: Buffalo Lakeside SDG: SB96730

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOC Method #	SVOC Method #	GC Method #	Metals	Other
OUTFALL-U-20140919	SB96730-01				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
OUTFALL-F-20140919	SB96730-02				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
CB-1-U-20140919	SB96730-03				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
CB-1-F-20140919	SB96730-04				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
CB-2-U-20140919	SB96730-05				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
CB-2-F-20140919	SB96730-06				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
CB-3-U-20140919	SB96730-07				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
CB-3-F-20140919	SB96730-08				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
CB-4-U-20140919	SB96730-09				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B

Sample Identification and Analytical Requirements Summary

Project Name: Buffalo Lakeside SDG: SB96730

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOC Method #	SVOC Method #	GC Method #	Metals	Other
CB-4-F-20140919	SB96730-10				EPA 245.1/7470A SW846 6010C varies	335.4 EPA 335.4 EPA 335.4 / SW846 9012B EPA 335.4/SW846 9012B
OUTFALL_SED-201409	SB96730-11				EPA 245.1/7470A SW846 6010C varies	SM2540 G Mod. SM2540 G Mod. calculation SW846 9012B
CB-1-SED-20140919	SB96730-12				EPA 245.1/7470A SW846 6010C varies	SM2540 G Mod. SM2540 G Mod. calculation SW846 9012B
CB-2-SED-20140919	SB96730-13				EPA 245.1/7470A SW846 6010C varies	SM2540 G Mod. SM2540 G Mod. calculation SW846 9012B

Data Validation Services

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March 27, 2015

Amy Picunas
CDM Smith
11 British American Boulevard Suite 200
Latham, NY 12110

RE: Validation of the Buffalo Lakeside Commerce Park Site Analytical Data Packages
Data Usability Summary Report (DUSR)
TAL SDG Nos. 480-71154, 480-71163, 480-71165, 480-71249, 480-71360, 480-71459, 480-71528, 480-72717, and 480-72809
Alloway SDG Nos. M14-25759 and M14-26982

Dear Ms. Picunas:

Review has been completed for the data packages generated by Test America Laboratories (TAL) and Alloway that pertain to samples collected between 11/10/14 and 12/10/14 at the Buffalo Lakeside Commerce Park site. The total and dissolved fractions (unfiltered and filtered) of thirty one aqueous samples, sixty two soil samples, one soil field duplicate, and two aqueous field duplicates were processed for TCL semivolatiles, TAL metals, total cyanide and available cyanide. The soil samples, both fractions of twenty four of the aqueous samples, the soil field duplicate, and one aqueous field duplicate were also processed for Free cyanide. The Free cyanide analyses of the aqueous samples were processed by ASTM method D7237 by Alloway. Other analytical methodologies utilized are USEPA SW846 methods 6010C, 7470, 7471, 9012, 9013, and 9016.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method and Preparation Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Blind Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes

* Initial and Continuing Calibration Standards
* ICP Serial Dilution Evaluation
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, results for the most of the target metals analytes are usable either as reported or with minor qualification/edit. However, the following concerns are noted:

- Phenolic analytes in SB-04-1114-8-12 are not usable due to an apparent matrix effect
- Free cyanide in GW-TP8-1214-F, and available cyanide in SO-06-1114-12-16, SO-09-1114-16-20, and SED-CB-22-1214, are not usable due to apparent matrix effects
- The soil field duplicate evaluation, performed on SO-10-1114-0-4, shows poor correlations, indicating a non-homogenous matrix
- Many of the Tentatively Identified Compound (TIC) characterizations are not accurate

Data completeness exceeds 95%, and accuracy, representativeness, reproducibility, sensitivity, and comparability are acceptable. The frequency of aqueous field duplicates was acceptable for all analytes except Free cyanide. Two additional soil field duplicates should have been evaluated, and an additional soil matrix spike pair evaluation should have been performed for the semivolatile analytes. There is an over- abundance of matrix spike/duplicate evaluations for the metals and cyanide analytes.

Copies of the client sample identifications are attached to this text. Also included in this report are client results EDDs with recommended qualifiers/edits applied in red.

Chain-of-Custody/Sample Receipt

TestAmerica Laboratory reported samples SW-CB04-1114-U, SW-CB04-1114-F, SW-CB05-1114-U, and SW-CB05-1114-F with the prefix of "SO- " instead of "SW-".

The custody form for the available cyanide analyses on the soil samples reported in SDG 480-71459 does not include the year or time on the receipt date.

Edits to the custody forms should have been dated and initialed.

The preservatives were not noted on the field custody forms.

Blind Field Duplicate

The blind field duplicate evaluations of GW-TP6-1214-U, SW-CB03-1114-U show acceptable correlations, with the exception of that for Available Cyanide (50%RPD) in GW-TP6-1214-U, results for which are qualified in the indicated parent sample and its associated duplicate.

The field duplicate evaluation of SO-10-1114-0-4 shows poor correlations, with most elements showing outlying correlations, up to twentyfold variance, some higher in the parent, others in the

duplicate. The affected analytes are: arsenic (>2XRL), beryllium (67%RPD), cadmium (>2XRL), calcium (55%RPD), chromium (103%RPD), copper (128%RPD), iron (112%RPD), lead (179%RPD), magnesium (82%RPD), manganese (125%RPD), nickel (51%RPD), potassium (113%RPD), silver (>2XRL), zinc (180%RPD), and mercury (>2XRL).

TCL Semivolatile Analyses by EPA8270D

SB-04-1114-8-12 exhibited recoveries below 10% for the acid (phenolic) surrogate standards. Therefore, the results for the phenolic compounds in that sample are rejected, and not usable. This is typically a matrix effect, although reextraction to confirm that assumption was not performed.

The following detections are edited to reflect non-detection due to very poor mass spectral quality:

- benzo(a)anthracene in SB-03-1114-0-4 and SB-03-1114-4-8, SS-03-1114-4-8, and SE-CB13-1114-4-8
- nitrobenzene in SW-CB02-1114-U, SW-CB04-1114-F, and SW-CB05-1114-F
- di-n-butylphthalate, nitrobenzene, and n-nitroso-di-n-propylamine in SW-CB02-1114-F
- 4,6-dinitro-3-methylphenol and n-nitroso-di-n-propylamine in SW-CB01-1114-U
- 2,6-dinitrotoluene in SW-CB12-1114-F
- n-nitroso-di-n-propylamine in SW-CB03-1114-F and SW-CB05-1114-U
- nitrobenzene and n-nitroso-di-n-propylamine in SW-CB03-1114-U
- 4-nitroaniline and n-nitroso-di-n-propylamine in SW-BD01-1114-U
- di-n-octylphthalate in SO-10-1114-4-8

The following detections are qualified as tentatively identified compounds and estimated in value due to poor mass spectral quality:

- n-nitroso-di-n-propylamine in SW-CB01-1114-F
- fluorene and benzo(a)anthracene in SO-08-1114-4-8
- fluorene, benzo(a)anthracene, and acenaphthene in SO-08-1114-8-12
- acenaphthene in SO-09-1114-4-8
- fluorene and acenaphthene in SO-09-1114-8-12
- di-n-butylphthalate in SW-CB07-1114-F

The 4-methylphenol detections in the samples can be 3-methylphenol, or a mix of the two, as these two compounds are not distinguishable from one another in the analysis.

Calibration standards show responses within validation action levels, with the following exceptions, results for which are qualified as estimated in the indicated associated samples:

- benzaldehyde (30%D to 39%D) in samples SW-CB02-1114-U, SW-CB02-1114-F, SW-CB03-1114-F, SW-CB03-1114-U, SW-BD01-1114-U, SO-CB04-1114-U, SO-CB04-1114-F, SO-CB05-1114-U, SO-CB05-1114-F, SW-CB06-1114-F, and SW-CB06-1114-U, and all samples reported in SDG 480-71249
- bis (2-chloroisopropyl) ether (31%D and 43%D) in SED-CB21-1214, SED-CB22-1214, SED-CB23-1214, SED-CB24-1214, and in all samples reported in SDG 480-72717
- bis (2-chloroisopropyl) ether, 3-nitroanaline, and 3,3-dichlorobenzidine (21%D to 37%D) in samples GW-TP7-1214-U, GW-TP7-1214-F, GW-TP12-1214-U, and GW-TP12-1214-F

Due to presence in the associated blanks, the following detections are considered external contamination and have been edited to reflect non-detection:

- benzaldehyde, 2-methylphenol, and benzo(a)anthracene in samples reported in SDG 480-71163
- benzaldehyde, 2-methylphenol, and bis(2-ethylhexyl)phthalate in samples reported in SDG 480-71165
- benzaldehyde and bis(2-ethylhexyl)phthalate in samples reported in SDG 480-71249
- benzaldehyde, phenol, and bis(2-ethylhexyl)phthalate in samples reported in SDG 480-71360
- benzaldehyde and bis(2-ethylhexyl)phthalate in samples reported in SDG 480-71528
- bis(2-ethylhexyl)phthalate in samples reported in SDG 480-72717 and J72809

Due to very low solids content (12%), results for SE-CB12-1114 are qualified as estimated.

Surrogate and internal standard responses are compliant. Instrument tunes meet fragmentation requirements.

The matrix spike evaluations were performed on SB-03-1114-4-8, SW-CB02-1114-U, SB-07-1114-4-8, and GW-TP-09-1114-U, and show recoveries and duplicate correlations for twelve analytes that are within the guidance ranges, with the exception of those for phenol (222% and 281%) in GW-TP-09-1114-U. The result for that compound is qualified as estimated in that parent sample. The analytical protocol requires that all analytes be evaluated.

Total and filtered fractions correlate well, with the exception of that for 4-methylphenol in GW-TP3-1214-U, results for which are qualified as estimated in both fractions of the sample.

The aqueous methodology used by the laboratory produces non-target analyte responses in the samples and associated method blanks and QC, indicating that they are a product of laboratory processing. They are of significant concentration and, as they were reported in place of actual sample TICs, and the elution of those (relatively high concentration) TIC analysis artifacts mask actual sample non-target components. Therefore, the information of sample TIC constituency is not available. Additionally, the laboratory failed to recognize the spectrum for the extraction solvent (methylene chloride), and reported that response as an extremely high concentration TIC. Three of the data packages were revised to report the TICs in the method blanks, and to add the appropriate "B" flags to the associated sample detections. Upon validation, the affected TICs have been removed as reportable data, as they are not sample components.

The review of the TIC spectra was not properly performed. This resulted in identifications that are not accurate, particularly with those identified by the calibration quantitation software. If specific characterizations of the TICs is important for this project, the laboratory should re-review and re-report the TIC identifications according to the protocol. The TICs identified by the quantitation software have been qualified during validation as tentative in identification and estimated in value. Some, but not all, of the applicable identifications have been edited to be "Unknown".

Some of the samples were processed only at dilution, resulting in proportionally elevated reporting limits.

Metals Analyses by EPA 6010C

Due to very low solids content (12%), results for SE-CB12-1114 are qualified as estimated.

The matrix spikes of SB-03-1114-0-4 were evaluated for all elements except mercury, and produced outlying recoveries in the matrix spike for all elements for which the evaluation is applicable. Most recoveries in the matrix spike duplicate are also out of the acceptance range. Results for all elements in that sample except calcium, copper, iron, lead, manganese, mercury, and zinc have been qualified as estimated in value.

Matrix spikes/duplicates were also performed for the TAL metals on SO-07-1114-4-8, SW-CB06-1114-F, SW-CB02-1114, SO-10-1114-4-8, SW-CB13-1114-F, SO-10-1114-4-8, SS-04-1114, GW-TP09-1114-U, GW-TP11-1214, and SED-CB21-1214, and for mercury on SB-05-1114-0-4 and SB-02-1114-8-12, and show recoveries and correlations within validation guidelines, with the following exceptions, results for which are qualified as estimated in the indicate parent sample:

Parent Sample	Element	Outlying % Recoveries
SO-07-1114-4-8	antimony	53,44
	barium	130,171
	copper	54,60
	magnesium	51,-71
SO-10-1114-4-8	antimony	63,69
	magnesium	47,228
	nickel	74,71
SS-04-1114	aluminum	175,213
	copper	140,154
SED-CB21-1214	aluminum	333,377
	antimony	74,68
	barium	126,135
	potassium	164,170

The ICP serial dilution evaluations of SB-03-1114-0-4, SW-CB06-1114-F, SW-CB02-1114-U, SW-CB13-1114-F, SS-04-1114, GW-TP09-1114-U, GW-TP11-1214-U, and SED-CB21-1214 show acceptable correlations. The following serial dilution evaluations show outlying correlations, and the results for the listed elements have been qualified as estimated in the indicated parent sample:

Parent Sample	Element	%Difference
SO-07-1114-4-8	Beryllium	23
	Copper	25
SO-10-1114-4-8	Zinc	16

Instrument performance is compliant.

Total and filtered fractions correlate well, with the following exceptions, results for which are qualified as estimated in both fractions of the indicated samples:

- zinc in SW-CB10-1114
- copper in GW-TP8-1214
- aluminum in SW-CB20-1114
- aluminum, cobalt, iron, manganese, nickel, sodium, vanadium, and zinc in GW-TP09-1114

Some of the samples were processed a dilution for numerous elements due to interferences from iron.

Total, Free, and Available Cyanide Analyses by EPA 9012, 9013, 9016, and ASTM 7237-1

Due to presence at similar levels in the associated preparation blank, the detected results for Free cyanide in the samples reported in SDG 480-71459 are considered contamination and edited to reflect non-detection.

The following matrix spike (MS)/MSD)/duplicate evaluations were performed:

- Total cyanide on SB-01-1114-16-20, SB-03-1114-0-4, SB-01-1114-12-16 (duplicate only), SW-CB01-1114-U, SO-07-1114-12-16, SO-07-1114-4-8, SO-09-1114-16-20, SO-10-1114-4-8, SW-CB02-1114-U, SW-CB05-1114-F, SW-CB-14-1114-U, SW-CB-14-1114-F (8%), SS-07-1114 (Duplicate only), SS-04-1114 (MS only), SS-09-1114 (MS only), SW-CB16-1114-U (Duplicate only), SW-CB15-1114-U (MS only), GW-TP09-1114-F (MS only), GW-TP09-1114-U, GW-TP1-1214-U (Duplicate only), GW-TP11-1214-F, GW-TP3-1214-F, and SED-CB-22-1214
- Free cyanide on GW-TP09-1114-U, SW-CB05-1114-U, SW-CB19-1114-U, GW-TP12-1114-F, GW-TP11-1114-F, GW-TP8-1114-U, SB-01-1114-0-4, SO-07-1114-4-8, SS-01-1114, SED-CB15-1114
- Available cyanide on SB-01-1114-0-4 SB-03-1114-0-4, SO-06-1114-8-12, SO-07-1114-4-8, SS-01-1114, SE-CB12-1114, SO-09-1114-16-20, and SW-CB01-1114-U

Available cyanide on GW-TP09-1114-U, SS-01-1114, SB-01-1114-0-4, SE-CB12-1114, SB-03-1114-0-4, and SED-CB21-1214

Available cyanide failed to recover in the matrix spikes of SO-07-1114-4-8, SED-CB-22-1214, SO-09-1114-16-20, and SO-06-1114-12-16. Therefore, the result for that analyte in the parent samples SO-06-1114-12-16, SO-09-1114-16-20, and SED-CB-22-1214, which show no detection, are rejected and not usable. The result for that analyte in parent sample SO-07-1114-4-8, which shows a low detected value, is qualified as estimated. A significant low bias is expected to that result.

The following additional matrix spike recovery/duplicate correlation outliers were noted, with results qualified as estimated in the indicated parent sample:

- Total cyanide in SB-01-1114-16-20 (-34%), SW-CB-14-1114-U (8%), SB-03-1114-0-4 (23%D), SS-04-1114 (13%), SO-10-1114-4-8 (16%), SS-09-1114 (73%), SW-CB-15-1114-U (82%), GW-TP09-1114-F (112%), GW-TP11-1214-F (247%), and SED-CB-22-1214 (MS only) (16%)
- Available cyanide in SB-01-1114-0-4 (35% and 39%), SS-01-1114 (23% and 24%), SE-CB12-1114 (26% and 26%) and SB-03-1114-0-4 (21% and 20%)
- Free cyanide in SS-01-1114 (64% and 71%), SED-CB15-1114 (70% and 75%)

The summary Forms 3 for these evaluations are not complete.

The Free cyanide analysis of GW-TP8-1214-F was performed at least three times, at varying dilutions, and with inconsistent results. The reported value of 0.212 mg/L was significantly above that of the unfiltered fraction of the sample (0.009 mg/L); the unfiltered value was supported by the matrix spikes run on that sample. Based on what may be matrix interferences, the result for that filtered fraction of the sample has been rejected, and is not usable.

Other total and filtered fractions correlate well, with the following exceptions, results for which are qualified as estimated in both fractions of the indicated samples:

- Available cyanide in SW-CB-14-1114, GW-TP8-1214, GW-TP1-1214, GW-TP6-1214, GW-TP09-1114
- Total cyanide in GW-TP11-1214 and W-PP12-1214
- Free cyanide on GW-TP10-/1214

Due to very low solids content (12%), results for SE-CB12-1114 are qualified as estimated.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Laboratory and Client Sample Identifications

SAMPLE SUMMARY

Client: New York State D.E.C.

Job Number: 480-71154-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-71154-1	SB-01-1114-0-4	Solid	11/10/2014 1212	11/10/2014 1545
480-71154-2	SB-01-1114-4-8	Solid	11/10/2014 1212	11/10/2014 1545
480-71154-3	SB-01-1114-8-12	Solid	11/10/2014 1225	11/10/2014 1545
480-71154-4	SB-01-1114-12-16	Solid	11/10/2014 1230	11/10/2014 1545
480-71154-5	SB-01-1114-16-20	Solid	11/10/2014 1230	11/10/2014 1545
480-71154-6	SB-02-1114-0-4	Solid	11/10/2014 1250	11/10/2014 1545
480-71154-7	SB-02-1114-4-8	Solid	11/10/2014 1255	11/10/2014 1545
480-71154-8	SB-02-1114-8-12	Solid	11/10/2014 1305	11/10/2014 1545
480-71154-9	SB-02-1114-12-16	Solid	11/10/2014 1310	11/10/2014 1545
480-71154-10	SB-02-1114-16-20	Solid	11/10/2014 1315	11/10/2014 1545
480-71154-11	SB-03-1114-0-4	Solid	11/10/2014 1237	11/10/2014 1545
480-71154-12	SB-03-1114-4-8	Solid	11/10/2014 1245	11/10/2014 1545
480-71154-13	SB-04-1114-0-4	Solid	11/10/2014 1230	11/10/2014 1545
480-71154-14	SB-04-1114-4-8	Solid	11/10/2014 1245	11/10/2014 1545
480-71154-15	SB-04-1114-8-12	Solid	11/10/2014 1300	11/10/2014 1545
480-71154-16	SB-05-1114-0-4	Solid	11/10/2014 1320	11/10/2014 1545
480-71154-17	SB-05-1114-4-8	Solid	11/10/2014 1335	11/10/2014 1545
480-71154-18	SB-05-1114-8-12	Solid	11/10/2014 1350	11/10/2014 1545
480-71154-19	SB-05-1114-12-16	Solid	11/10/2014 1410	11/10/2014 1545
480-71154-20	SB-05-1114-16-20	Solid	11/10/2014 1420	11/10/2014 1545

SAMPLE SUMMARY

Client: New York State D.E.C. Job Number: 480-71163-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-71163-1	SW-CB01-1114-F	Water	11/10/2014 1640	11/11/2014 1555
480-71163-2	SW-CB01-1114-U	Water	11/10/2014 1620	11/11/2014 1555
480-71163-3	SO-06-1114-0-4	Solid	11/10/2014 1450	11/11/2014 1555
480-71163-4	SO-06-1114-4-8	Solid	11/10/2014 1500	11/11/2014 1555
480-71163-5	SO-06-1114-8-12	Solid	11/10/2014 1510	11/11/2014 1555
480-71163-6	SO-06-1114-12-16	Solid	11/10/2014 1520	11/11/2014 1555
480-71163-7	SO-06-1114-16-20	Solid	11/10/2014 1530	11/11/2014 1555
480-71163-8	SE-CB01-1114	Solid	11/11/2014 0823	11/11/2014 1555
480-71163-9	SO-08-1114-4-8	Solid	11/11/2014 1020	11/11/2014 1555
480-71163-10	SO-08-1114-8-12	Solid	11/11/2014 1030	11/11/2014 1555
480-71163-11	SO-08-1114-12-16	Solid	11/11/2014 1040	11/11/2014 1555
480-71163-12	SO-08-1114-16-20	Solid	11/11/2014 1050	11/11/2014 1555
480-71163-13	SO-08-1114-0-4	Solid	11/11/2014 1010	11/11/2014 1555
480-71163-14	SO-07-1114-0-4	Solid	11/11/2014 0900	11/11/2014 1555
480-71163-15	SO-07-1114-4-8	Solid	11/11/2014 0915	11/11/2014 1555
480-71163-15MS	SO-07-1114-4-8	Solid	11/11/2014 0915	11/11/2014 1555
480-71163-15MSD	SO-07-1114-4-8	Solid	11/11/2014 0915	11/11/2014 1555
480-71163-16	SO-07-1114-8-12	Solid	11/11/2014 0930	11/11/2014 1555
480-71163-17	SO-07-1114-12-16	Solid	11/11/2014 0945	11/11/2014 1555
480-71163-18	SO-07-1114-16-20	Solid	11/11/2014 1000	11/11/2014 1555
480-71163-19	SO-09-1114-0-4	Solid	11/11/2014 1105	11/11/2014 1555
480-71163-20	SO-09-1114-4-8	Solid	11/11/2014 1115	11/11/2014 1555
480-71163-21	SO-09-1114-8-12	Solid	11/11/2014 1125	11/11/2014 1555
480-71163-22	SO-09-1114-12-16	Solid	11/11/2014 1135	11/11/2014 1555

SAMPLE SUMMARY

Client: New York State D.E.C. Job Number: 480-71165-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-71165-1	SW-CB02-1114-U	Water	11/11/2014 0920	11/11/2014 1555
480-71165-1MS	SW-CB02-1114-U	Water	11/11/2014 0920	11/11/2014 1555
480-71165-1MSD	SW-CB02-1114-U	Water	11/11/2014 0920	11/11/2014 1555
480-71165-2	SW-CB02-1114-F	Water	11/11/2014 0935	11/11/2014 1555
480-71165-3	SW-CB03-1114-F	Water	11/11/2014 1030	11/11/2014 1555
480-71165-4	SW-CB03-1114-U	Water	11/11/2014 1020	11/11/2014 1555
480-71165-5	SW-BD01-1114-U	Water	11/11/2014 1040	11/11/2014 1555
480-71165-6	SO-09-1114-16-20	Solid	11/11/2014 1145	11/11/2014 1555
480-71165-7	SO-BD-01-1114-0-4	Solid	11/11/2014 1220	11/11/2014 1555
480-71165-8	SO-10-1114-0-4	Solid	11/11/2014 1220	11/11/2014 1555
480-71165-9	SO-10-1114-4-8	Solid	11/11/2014 1230	11/11/2014 1555
480-71165-10	SO-10-1114-8-12	Solid	11/11/2014 1240	11/11/2014 1555
480-71165-11	SO-10-1114-12-16	Solid	11/11/2014 1250	11/11/2014 1555
480-71165-12	SO-10-1114-16-20	Solid	11/11/2014 1300	11/11/2014 1555
480-71165-13	SO-CB04-1114-U	Water	11/11/2014 1145	11/11/2014 1555
480-71165-14	SO-CB04-1114-F	Water	11/11/2014 1155	11/11/2014 1555
480-71165-15	SO-CB05-1114-U	Water	11/11/2014 1230	11/11/2014 1555
480-71165-16	SO-CB05-1114-F	Water	11/11/2014 1245	11/11/2014 1555

SAMPLE SUMMARY

Client: New York State D.E.C.

Job Number: 480-71249-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-71249-1	SW-CB06-1114-F	Water	11/11/2014 1550	11/12/2014 1600
480-71249-2	SW-CB06-1114-U	Water	11/11/2014 1530	11/12/2014 1600
480-71249-3	SW-CB07-1114-F	Water	11/11/2014 1700	11/12/2014 1600
480-71249-4	SW-CB07-1114-U	Water	11/11/2014 1628	11/12/2014 1600
480-71249-5	SW-CB08-1114-F	Water	11/12/2014 0950	11/12/2014 1600
480-71249-6	SW-CB08-1114-U	Water	11/12/2014 0924	11/12/2014 1600
480-71249-7	SW-CB10-1114-F	Water	11/12/2014 1055	11/12/2014 1600
480-71249-8	SW-CB10-1114-U	Water	11/12/2014 1030	11/12/2014 1600
480-71249-9	SW-CB11-1114-F	Water	11/12/2014 1235	11/12/2014 1600
480-71249-10	SW-CB11-1114-U	Water	11/12/2014 1220	11/12/2014 1600
480-71249-11	SW-CB12-1114-F	Water	11/12/2014 1345	11/12/2014 1600
480-71249-12	SW-CB12-1114-U	Water	11/12/2014 1330	11/12/2014 1600

SAMPLE SUMMARY

Client: New York State D.E.C.

Job Number: 480-71360-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-71360-1	SW-CB-13-1114-U	Water	11/12/2014 1540	11/13/2014 1550
480-71360-2	SW-CB-13-1114-F	Water	11/12/2014 1600	11/13/2014 1550
480-71360-3	SW-CB-14-1114-U	Water	11/13/2014 1024	11/13/2014 1550
480-71360-4	SW-CB-14-1114-F	Water	11/13/2014 1100	11/13/2014 1550
480-71360-5	SW-CB-17-1114-U	Water	11/13/2014 1225	11/13/2014 1550
480-71360-6	SW-CB-17-1114-F	Water	11/13/2014 1245	11/13/2014 1550
480-71360-7	SW-CB-18-1114-U	Water	11/13/2014 1145	11/13/2014 1550
480-71360-8	SW-CB-18-1114-F	Water	11/13/2014 1210	11/13/2014 1550
480-71360-9	SW-CB-19-1114-U	Water	11/13/2014 1105	11/13/2014 1550
480-71360-10	SW-CB-19-1114-F	Water	11/13/2014 1100	11/13/2014 1550

SAMPLE SUMMARY

Client: New York State D.E.C. Job Number: 480-71459-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-71459-1	SS-01-1114	Solid	11/13/2014 1440	11/14/2014 1530
480-71459-2	SS-02-1114	Solid	11/13/2014 1449	11/14/2014 1530
480-71459-3	SS-03-1114	Solid	11/13/2014 1455	11/14/2014 1530
480-71459-4	SS-04-1114	Solid	11/13/2014 1503	11/14/2014 1530
480-71459-5	SS-05-1114	Solid	11/13/2014 1513	11/14/2014 1530
480-71459-6	SS-06-1114	Solid	11/13/2014 1551	11/14/2014 1530
480-71459-7	SS-07-1114	Solid	11/13/2014 1522	11/14/2014 1530
480-71459-8	SS-08-1114	Solid	11/13/2014 1542	11/14/2014 1530
480-71459-9	SS-09-1114	Solid	11/13/2014 1532	11/14/2014 1530
480-71459-10	SS-10-1114	Solid	11/13/2014 1547	11/14/2014 1530
480-71459-11	SE-CB12-1114	Solid	11/14/2014 0845	11/14/2014 1530
480-71459-12	SE-CB13-1114	Solid	11/14/2014 0915	11/14/2014 1530
480-71459-13	SE-CB14-1114	Solid	11/14/2014 0940	11/14/2014 1530
480-71459-14	SE-CB19-1114	Solid	11/14/2014 0955	11/14/2014 1530

SAMPLE SUMMARY

Client: New York State D.E.C.

Job Number: 480-71528-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-71528-1	SW-CB15-1114-U	Water	11/17/2014 0950	11/17/2014 1515
480-71528-2	SW-CB15-1114-F	Water	11/17/2014 1010	11/17/2014 1515
480-71528-3	SED-CB15-1114	Solid	11/17/2014 1030	11/17/2014 1515
480-71528-4	SW-CB16-1114-U	Water	11/17/2014 1135	11/17/2014 1515
480-71528-5	SW-CB16-1114-F	Water	11/17/2014 1150	11/17/2014 1515
480-71528-6	SW-CB20-1114-U	Water	11/17/2014 1250	11/17/2014 1515
480-71528-7	SW-CB20-1114-F	Water	11/17/2014 1300	11/17/2014 1515
480-71528-8	GW-TP09-1114-U	Water	11/17/2014 1010	11/17/2014 1515
480-71528-8MS	GW-TP09-1114-U	Water	11/17/2014 1010	11/17/2014 1515
480-71528-8MSD	GW-TP09-1114-U	Water	11/17/2014 1010	11/17/2014 1515
480-71528-9	GW-TP09-1114-F	Water	11/17/2014 1130	11/17/2014 1515
480-71528-10	GW-TP10-1114-U	Water	11/17/2014 1350	11/17/2014 1515
480-71528-11	GW-TP10-1114-F	Water	11/17/2014 1450	11/17/2014 1515

SAMPLE SUMMARY

Client: New York State D.E.C. Job Number: 480-72717-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-72717-1	GW-TP11-1214-U	Water	12/08/2014 1520	12/09/2014 1610
480-72717-2	GW-TP11-1214-F	Water	12/08/2014 1540	12/09/2014 1610
480-72717-3	GW-TP8-1214-U	Water	12/08/2014 1640	12/09/2014 1610
480-72717-4	GW-TP8-1214-F	Water	12/08/2014 1700	12/09/2014 1610
480-72717-5	GW-TP1-1214-U	Water	12/09/2014 0805	12/09/2014 1610
480-72717-6	GW-TP1-1214-F	Water	12/09/2014 0815	12/09/2014 1610
480-72717-7	GW-TP2-1214-U	Water	12/09/2014 0915	12/09/2014 1610
480-72717-8	GW-TP2-1214-F	Water	12/09/2014 0925	12/09/2014 1610
480-72717-9	GW-TP3-1214-U	Water	12/09/2014 1025	12/09/2014 1610
480-72717-10	GW-TP3-1214-F	Water	12/09/2014 1035	12/09/2014 1610
480-72717-11	GW-TP4-1214-U	Water	12/09/2014 1145	12/09/2014 1610
480-72717-12	GW-TP4-1214-F	Water	12/09/2014 1155	12/09/2014 1610
480-72717-13	GW-TP5-1214-U	Water	12/09/2014 1300	12/09/2014 1610
480-72717-14	GW-TP5-1214-F	Water	12/09/2014 1310	12/09/2014 1610
480-72717-15	DUP-1-1214	Water	12/09/2014 0000	12/09/2014 1610
480-72717-16	GW-TP6-1214-U	Water	12/09/2014 1430	12/09/2014 1610
480-72717-17	GW-TP6-1214-F	Water	12/09/2014 1440	12/09/2014 1610

SAMPLE SUMMARY

Client: New York State D.E.C.

Job Number: 480-72809-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-72809-1	GW-TP7-1214-U	Water	12/09/2014 1605	12/10/2014 1610
480-72809-2	GW-TP7-1214-F	Water	12/09/2014 1620	12/10/2014 1610
480-72809-3	GW-TP12-1214-U	Water	12/10/2014 0800	12/10/2014 1610
480-72809-4	GW-TP12-1214-F	Water	12/10/2014 0815	12/10/2014 1610
480-72809-5	SED-CB21-1214	Solid	12/10/2014 0945	12/10/2014 1610
480-72809-6	SED-CB22-1214	Solid	12/10/2014 0930	12/10/2014 1610
480-72809-7	SED-CB23-1214	Solid	12/10/2014 0915	12/10/2014 1610
480-72809-8	SED-CB24-1214	Solid	12/10/2014 0900	12/10/2014 1610

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
harry@frontiernet.net

August 21, 2015

Amy Picunas
CDM Smith
11 British American Boulevard Suite 200
Latham, NY 12110

RE: Validation of the Buffalo Lakeside Commerce Park Site Analytical Data Packages
Data Usability Summary Report (DUSR)
Spectrum SDG Nos. P0972, P0987, P0990, and P0991
Alloway SDG No. M15-16950

Dear Ms. Picunas:

Review has been completed for the data packages generated by Spectrum Analytical, Inc. and Alloway that pertain to samples collected between 05/26/15 and 05/29/15 at the Buffalo Lakeside Commerce Park site. The total and dissolved fractions (unfiltered and filtered) thirteen aqueous samples, ninety soil samples, four soil field duplicates, and three aqueous field duplicates were processed for site-specific semivolatiles, TAL metals, and total cyanide. The soil samples and duplicates were also processed for reactive cyanide and the aqueous samples and one of the field duplicates were also processed for free cyanide. Four additional soil samples were processed for total and reactive cyanide and two additional soil samples and three field duplicates were processed for reactive cyanide. The free cyanide analyses of the aqueous samples were processed by ASTM method D7237 by Alloway. Other analytical methodologies utilized are USEPA SW846 methods 8270-C, 6010C, 7470, 7471, and 9012.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method and Preparation Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Blind Field Duplicate Correlations
* Laboratory Control Sample (LCS)

* Instrumental Tunes
* Initial and Continuing Calibration Standards
* ICP Serial Dilution Evaluation
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, results for the most of the target metals analytes are usable either as reported or with minor qualification/edit. However, the following concerns are noted:

- phenolic analytes in four samples are not usable due to an apparent matrix effect
- significant variances were noted in some of the field and laboratory duplicate evaluations, particularly for the metal analytes

Data completeness exceeds 95%, and accuracy, representativeness, reproducibility, sensitivity, and comparability are acceptable. Precision outliers (noted below) have been qualified as estimated.

Copies of the client sample identifications are attached to this text. Also included in this report are client results EDDs with recommended qualifiers/edits applied in red.

Chain-of-Custody/Sample Receipt

The date of collection is not present on page 2 of the custodies for samples reported in SDG P0991. The date was obtained from the sample labels.

No relinquish entries were present on the custody forms for samples reported in SDG P0990

No relinquish or receipt entries or cooler temperatures are present on pages 2 through 4 of the custodies for samples reported in SDG P0991. The temperatures are entered on the login form.

The lack of custody transfer, dates, and times should have been noted in the case narratives.

Login forms indicate that sample tags differ from custody entries, but no specifics are given.

Blind Field Duplicate

The blind field duplicate evaluations of semivolatiles, metals, and total cyanide in CB-12-052815, CB-27-F-052915, CB-28-052915, SB-58-16-20-052715, SB-62-8-12-052715, SB-71-0-4-052915, and SB-71-4-8-052915 show correlations within the validation guidelines of >±2XRL/ 50%RPD, with the following exceptions, results for which are qualified in the indicated parent sample and its associated duplicate:

- aluminum, barium, beryllium, cadmium, magnesium, nickel, and sodium in SB-62-8-12-052715
- detected semivolatile analytes, cadmium, calcium, iron, and lead in SB-71-0-4-052915
- beryllium, calcium, magnesium, and nickel in SB-71-4-8-052915

The semivolatile concentrations of detected analytes in SB-71-0-4-052915 are two to fivefold higher in the parent sample than in the field duplicate.

The reactive cyanide field duplicate correlations on SB-67-0-4-052815, SB-68-8-12-052815, SB-69-8-12-052815, SB-71-0-4-052915, and SB-71-4-8-052915, and the free cyanide correlations for CB-27-F-052915, show acceptable correlations, as all report no detection.

Semivolatile Analyses by EPA8270D

Results for analytes initially reported with an "E" flag are derived from the dilution analyses of the samples.

CB-12-F-052815, CB-29-051915, CB-18-052815, and CB-18-F-052815 exhibit recoveries below 10% for the one or more of the acid (phenolic) surrogate standards. Therefore, the non-detected results for the phenolic compounds in those samples are rejected, and not usable. Detected values of phenolics in the samples are qualified as estimated, with a possible very low bias. This is typically a matrix effect, although reextraction to confirm that assumption was not performed.

The base/neutral compounds in CB-29-052915 are qualified as estimated due to low surrogate standard recoveries.

The following detections are edited to reflect non-detection due to very poor mass spectral quality:

- benzo(a)anthracene in SB-59 0-4-052715, SB-61A-4-8-052715, SB-62-8-12-052715
- fluoroanthene in SB-59A-8-12-052715
- acenaphthylene in SB-62-8-12-052715

The 4-methylphenol detections in the samples can be 3-methylphenol, or a mix of the two, as these two compounds are not distinguishable from one another in the analysis.

Calibration standards show responses within validation action levels.

Holding times were met. Internal standard responses are compliant. Instrument tunes meet fragmentation requirements.

The matrix spike evaluations were performed on SB-57-0-4-052715, SB-62-12-16-052715, SB-67-8-12-052815, CB-26-052915, and CB-29-F-052915, and show recoveries and duplicate correlations within validation action limits.

Total and filtered fractions correlate well, with the exception that low level detections below the RL are found in the filtered fractions of CB-18-052815 and SB-23-052815, but not in the unfiltered fractions.

Metals Analyses by EPA 6010C

Matrix spikes/duplicates were performed for metals on SB-56-12-16-052615, SB-57-0-4-052715, SB-62-12-16-052715, SB-65-4-8-052815, SB-67-8-12-052815, SB-73-8-12-052815, CB-26-052915, and CB-29F-052915, and for mercury on SB-67-12-16-052815, and show recoveries and correlations within validation guidelines, with the following exceptions, results for which are qualified as estimated in the indicated parent sample:

Parent Sample	Element	Outlying % Recoveries
SB-56-12-16-052615	antimony	62
SB-57-0-4-052715	antimony	53
	cadmium	73
	chromium	13
	selenium	47
SB-62-12-16-052715	antimony	58
	mercury	136
SB-65-4-8-052815	arsenic	71
	antimony	63
	cadmium	62
SB-67-8-12-052815	antimony	73

In addition, SB-73-8-12-052815 shows acceptable recoveries (and all except one serial dilution correlation, as noted below), but the laboratory duplicate correlations are very poor. The duplicate shows concentration for almost all of the detected analytes as about three times those of the parent sample. The reason for that variance is not evident in the raw data, and as the sample does not show significant matrix effects on recovery and serial dilution either a nonhomogenous matrix or human error is suspected. Since only one bottle was provided for the metals analysis, one would have expected a nonhomogenous matrix to show in the matrix spike aliquot as well. The detected results for that sample have been qualified as estimated in value, with a possible low bias.

Matrix spike recovery evaluations were not performed for aluminum, calcium, magnesium, manganese, potassium, and iron.

The ICP serial dilution evaluations of SB-56-12-16-052615, SB-62-12-16-052715, and CB-26-052915 show acceptable correlations. The following serial dilution evaluations show outlying correlations, and the results for the listed elements have been qualified as estimated in the indicated parent sample:

Parent Sample	Element	%Difference
SB-57-0-4-052715	aluminum	29
	beryllium	30
	cadmium	61
	calcium	31
	chromium	28
	copper	23
	cobalt	19
	magnesium	26
	manganese	15
	sodium	27
	thallium	87
	vanadium	33

Parent Sample	Element	%Difference
SB-65-4-8-052815	cadmium	55
	cobalt	25
SB-67-8-12-052815	sodium	18
SB-73-8-12-052815	sodium	25
CB-29-F-052915	potassium	45

Total and filtered fractions correlate well.

Total, Free, and Reactive Cyanide Analyses by EPA 9012, Chapter 7.3, and ASTM 7237-1

Please see the following excerpt from the laboratory case narrative regarding the limitations of the reactive cyanide analysis:

> "These samples do not exhibit the characteristics of reactivity as defined in 40 CFR 261.23, sections (1), (2) and (4); however, Spectrum Analytical, Inc. does not test for detonation, explosive reaction or potential, or forbidden explosives as defined in 40 CFR 261.23, sections (3), (6), (7) and (8).
> Reactive sulfide and cyanide are tested at a pH of 2 and not tested at all conditions between pH 2 and12.5 as stated in 40 CFR 261.23, section (5); thus reactive cyanide and sulfide results as reported in this document can not be used to support the nonreactive properties of these samples.
> The responsibility falls on the generator to use knowledge of the waste to determine if the waste meets or does not meet the descriptive, prose definition of reactivity."

Three of the four LCSs for free cyanide recovered above the upper limit (111% to 116%). Therefore, the detected result for that analyte in CB-21-052815 is qualified as estimated, with a possible high bias.

The following matrix spike (MS)/MSD)/duplicate evaluations were performed:

- Total cyanide MS/MSD on SB-55-8-12-05215, SB-57-0-4-052715, SB-61-0-4-052715, SB-62-12-16-052715, SB-68-4-8-052815, SB-67-8-12-052815, SB-63-16-20-052815, SB-71-16-20-052915, and CB-26-052915
- Free cyanide MS/MSD on CB-26-052915, CB-21-052815, and CB-DUP-01-052815
- Reactive cyanide laboratory duplicates of SB-52-4-8-052615, SB-57-0-4-052715, SB-62-12-16-052715, SB-65-4-8-052815, SB-67-8-12-052815, and SB-73-8-12-052915

Recoveries and correlations are acceptable, with the exception of those for total cyanide in SB-57-0-4-052715 (134% and 28%; 61%RPD). The result for total cyanide in that parent sample is qualified as estimated.

Total and filtered fractions correlate well, with the following exceptions, results for which are qualified as estimated in both fractions of the indicated samples: total cyanide in CB-20-052815, CB-23-052815, and CB-26-052815

The laboratory case narrative for reactive cyanide SDG P0987 is not included in the data package. The narrative in that package is the one for P0972.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0972

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-52-0-4-052615	P0972-01		SW8270_S		SW6010_S	SEE DATA
SB-52-0-4-052615	P0972-01				SW7471	
SB-52-4-8-052615	P0972-02		SW8270_S		SW6010_S	SEE DATA
SB-52-4-8-052615	P0972-02				SW7471	
SB-52-8-12-052615	P0972-03		SW8270_S		SW6010_S	SEE DATA
SB-52-8-12-052615	P0972-03				SW7471	
SB-52-12-16-052615	P0972-04		SW8270_S		SW6010_S	SEE DATA
SB-52-12-16-052615	P0972-04				SW7471	
SB-52-16-20-052615	P0972-05		SW8270_S		SW6010_S	SEE DATA
SB-52-16-20-052615	P0972-05				SW7471	
SB-53-0-4-052615	P0972-06		SW8270_S		SW6010_S	SEE DATA
SB-53-0-4-052615	P0972-06				SW7471	
SB-53A-4-8-052615	P0972-07		SW8270_S		SW6010_S	SEE DATA
SB-53A-4-8-052615	P0972-07				SW7471	
SB-54-0-4-052615	P0972-08		SW8270_S		SW6010_S	SEE DATA
SB-54-0-4-052615	P0972-08				SW7471	
SB-55-0-4-052615	P0972-09		SW8270_S		SW6010_S	SEE DATA
SB-55-0-4-052615	P0972-09				SW7471	
SB-55-4-8-052615	P0972-10		SW8270_S		SW6010_S	SEE DATA
SB-55-4-8-052615	P0972-10				SW7471	
SB-55-8-12-052615	P0972-11		SW8270_S		SW6010_S	SEE DATA
SB-55-8-12-052615	P0972-11				SW7471	
SB-55-12-16-052615	P0972-12		SW8270_S		SW6010_S	SEE DATA
SB-55-12-16-052615	P0972-12				SW7471	
SB-55-16-20-052615	P0972-13		SW8270_S		SW6010_S	SEE DATA
SB-55-16-20-052615	P0972-13				SW7471	
SB-56-0-4-052615	P0972-14					SEE DATA
SB-56-4-8-052615	P0972-15		SW8270_S		SW6010_S	SEE DATA
SB-56-4-8-052615	P0972-15				SW7471	
SB-56-8-12-052615	P0972-16		SW8270_S		SW6010_S	SEE DATA
SB-56-8-12-052615	P0972-16				SW7471	
SB-56-12-16-052615	P0972-17		SW8270_S		SW6010_S	SEE DATA
SB-56-12-16-052615	P0972-17				SW7471	

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0987

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-57-0-4-052715	P0987-01		SW8270_S		SW6010_S	SEE DATA
SB-57-0-4-052715	P0987-01				SW7471	
SB-57-4-8-052715	P0987-02		SW8270_S		SW6010_S	SEE DATA
SB-57-4-8-052715	P0987-02				SW7471	
SB-57-8-12-052715	P0987-03		SW8270_S		SW6010_S	SEE DATA
SB-57-8-12-052715	P0987-03				SW7471	
SB-57-12-16-052715	P0987-04		SW8270_S		SW6010_S	SEE DATA
SB-57-12-16-052715	P0987-04				SW7471	
SB-57-16-20-052715	P0987-05		SW8270_S		SW6010_S	SEE DATA
SB-57-16-20-052715	P0987-05				SW7471	
SB-58-0-4-052715	P0987-06		SW8270_S		SW6010_S	SEE DATA
SB-58-0-4-052715	P0987-06				SW7471	
SB-58-4-8-052715	P0987-07		SW8270_S		SW6010_S	SEE DATA
SB-58-4-8-052715	P0987-07				SW7471	
SB-58-8-12-052715	P0987-08		SW8270_S		SW6010_S	SEE DATA
SB-58-8-12-052715	P0987-08				SW7471	
SB-58-12-16-052715	P0987-09		SW8270_S		SW6010_S	SEE DATA
SB-58-12-16-052715	P0987-09				SW7471	
SB-58-16-20-052715	P0987-10		SW8270_S		SW6010_S	SEE DATA
SB-58-16-20-052715	P0987-10				SW7471	
DUP-01-052715	P0987-11		SW8270_S		SW6010_S	SEE DATA
DUP-01-052715	P0987-11				SW7471	
SB-59-0-4-052715	P0987-12		SW8270_S		SW6010_S	SEE DATA
SB-59-0-4-052715	P0987-12				SW7471	
SB-59A-8-12-052715	P0987-13		SW8270_S		SW6010_S	SEE DATA
SB-59A-8-12-052715	P0987-13				SW7471	
SB-59A-12-16-052715	P0987-14		SW8270_S		SW6010_S	SEE DATA
SB-59A-12-16-052715	P0987-14				SW7471	
SB-59A-16-20-052715	P0987-15		SW8270_S		SW6010_S	SEE DATA
SB-59A-16-20-052715	P0987-15				SW7471	
SB-60-0-4-052715	P0987-16		SW8270_S		SW6010_S	SEE DATA
SB-60-0-4-052715	P0987-16				SW7471	
SB-61-0-4-052715	P0987-17					SEE DATA
SB-61-4-7-052715	P0987-18		SW8270_S		SW6010_S	SEE DATA
SB-61-4-7-052715	P0987-18				SW7471	
SB-61A-0-4-052715	P0987-19		SW8270_S		SW6010_S	SEE DATA
SB-61A-0-4-052715	P0987-19				SW7471	
SB-61A-4-8-052715	P0987-20		SW8270_S		SW6010_S	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0987

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-61A-4-8-052715	P0987-20				SW7471	
SB-61A-8-12-052715	P0987-21		SW8270_S		SW6010_S	SEE DATA
SB-61A-8-12-052715	P0987-21				SW7471	
SB-61A-12-16-052715	P0987-22		SW8270_S		SW6010_S	SEE DATA
SB-61A-12-16-052715	P0987-22				SW7471	
SB-61A-16-20-052715	P0987-23		SW8270_S		SW6010_S	SEE DATA
SB-61A-16-20-052715	P0987-23				SW7471	
SB-62-0-4-052715	P0987-24		SW8270_S		SW6010_S	SEE DATA
SB-62-0-4-052715	P0987-24				SW7471	
SB-62-4-8-052715	P0987-25		SW8270_S		SW6010_S	SEE DATA
SB-62-4-8-052715	P0987-25				SW7471	
SB-62-8-12-052715	P0987-26		SW8270_S		SW6010_S	SEE DATA
SB-62-8-12-052715	P0987-26				SW7471	
DUP-02-052715	P0987-27		SW8270_S		SW6010_S	SEE DATA
DUP-02-052715	P0987-27				SW7471	
SB-62-12-16-052715	P0987-28		SW8270_S		SW6010_S	SEE DATA
SB-62-12-16-052715	P0987-28				SW7471	
SB-62-16-20-052715	P0987-29		SW8270_S		SW6010_S	SEE DATA
SB-62-16-20-052715	P0987-29				SW7471	

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0990

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-69-0-4-052815	P0990-01		SW8270_S		SW6010_S	SEE DATA
SB-69-0-4-052815	P0990-01				SW7471	
SB-69-4-8-052815	P0990-02		SW8270_S		SW6010_S	SEE DATA
SB-69-4-8-052815	P0990-02				SW7471	
SB-69-8-12-052815	P0990-03		SW8270_S		SW6010_S	SEE DATA
SB-69-8-12-052815	P0990-03				SW7471	
SB-69-12-16-052815	P0990-04		SW8270_S		SW6010_S	SEE DATA
SB-69-12-16-052815	P0990-04				SW7471	
DUP-05-052815	P0990-05					SEE DATA
SB-69-16-20-052815	P0990-06		SW8270_S		SW6010_S	SEE DATA
SB-69-16-20-052815	P0990-06				SW7471	
SB-68-16-20-052815	P0990-07		SW8270_S		SW6010_S	SEE DATA
SB-68-16-20-052815	P0990-07				SW7471	
SB-68-12-16-052815	P0990-08		SW8270_S		SW6010_S	SEE DATA
SB-68-12-16-052815	P0990-08				SW7471	
SB-68-8-12-052815	P0990-09		SW8270_S		SW6010_S	SEE DATA
SB-68-8-12-052815	P0990-09				SW7471	
SB-68-4-8-052815	P0990-10		SW8270_S		SW6010_S	SEE DATA
SB-68-4-8-052815	P0990-10				SW7471	
SB-66-0-4-052815	P0990-11		SW8270_S		SW6010_S	SEE DATA
SB-66-0-4-052815	P0990-11				SW7471	
SB-66-4-8-052815	P0990-12		SW8270_S		SW6010_S	SEE DATA
SB-66-4-8-052815	P0990-12				SW7471	
SB-65-12-16-052815	P0990-13		SW8270_S		SW6010_S	SEE DATA
SB-65-12-16-052815	P0990-13				SW7471	
SB-65-16-20-052815	P0990-14		SW8270_S		SW6010_S	SEE DATA
SB-65-16-20-052815	P0990-14				SW7471	
SB-66-8-12-052815	P0990-15					SEE DATA
SB-66-12-16-052815	P0990-16		SW8270_S		SW6010_S	SEE DATA
SB-66-12-16-052815	P0990-16				SW7471	
SB-66-16-20-052815	P0990-17		SW8270_S		SW6010_S	SEE DATA
SB-86-16-20-052815	P0990-17				SW7471	
SB-65-8-12-052815	P0990-18					SEE DATA
SB-65-4-8-052815	P0990-19		SW8270_S		SW6010_S	SEE DATA
SB-65-4-8-052815	P0990-19				SW7471	
SB-65-0-4-052815	P0990-20		SW8270_S		SW6010_S	SEE DATA
SB-65-0-4-052815	P0990-20				SW7471	
SB-68-0-4-052815	P0990-21		SW8270_S		SW6010_S	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0990

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-68-0-4-052815	P0990-21				SW7471	
SB-67-16-20-052815	P0990-22		SW8270_S		SW6010_S	SEE DATA
SB-67-16-20-052815	P0990-22				SW7471	
DUP-04-052815	P0990-23					SEE DATA
SB-67-12-16-052815	P0990-24		SW8270_S		SW6010_S	SEE DATA
SB-67-12-16-052815	P0990-24				SW7471	
SB-67-8-12-052815	P0990-25		SW8270_S		SW6010_S	SEE DATA
SB-67-8-12-052815	P0990-25				SW7471	
SB-67-4-8-052815	P0990-26		SW8270_S		SW6010_S	SEE DATA
SB-67-4-8-052815	P0990-26				SW7471	
DUP-03-052815	P0990-27					SEE DATA
SB-67-0-4-052815	P0990-28		SW8270_S		SW6010_S	SEE DATA
SB-67-0-4-052815	P0990-28				SW7471	
SB-64A-16-20-052815	P0990-29		SW8270_S		SW6010_S	SEE DATA
SB-64A-16-20-052815	P0990-29				SW7471	
SB-64A-12-16-052815	P0990-30		SW8270_S		SW6010_S	SEE DATA
SB-64A-12-16-052815	P0990-30				SW7471	
SB-64A-8-12-052815	P0990-31		SW8270_S		SW6010_S	SEE DATA
SB-64A-8-12-052815	P0990-31				SW7471	
SB-64A-4-8-052815	P0990-32		SW8270_S		SW6010_S	SEE DATA
SB-64A-4-8-052815	P0990-32				SW7471	
SB-64A-0-4-052815	P0990-33		SW8270_S		SW6010_S	SEE DATA
SB-64A-0-4-052815	P0990-33				SW7471	
SB-64-0-4-052815	P0990-34		SW8270_S		SW6010_S	SEE DATA
SB-64-0-4-052815	P0990-34				SW7471	
SB-63-0-4-052815	P0990-35		SW8270_S		SW6010_S	SEE DATA
SB-63-0-4-052815	P0990-35				SW7471	
SB-63-4-8-052815	P0990-36		SW8270_S		SW6010_S	SEE DATA
SB-63-4-8-052815	P0990-36				SW7471	
SB-63-8-12-052815	P0990-37		SW8270_S		SW6010_S	SEE DATA
SB-63-8-12-052815	P0990-37				SW7471	
SB-63-12-16-052815	P0990-38		SW8270_S		SW6010_S	SEE DATA
SB-63-12-16-052815	P0990-38				SW7471	
SB-63-16-20-052815	P0990-39		SW8270_S		SW6010_S	SEE DATA
SB-63-16-20-052815	P0990-39				SW7471	
SB-70-0-4-052915	P0990-40		SW8270_S		SW6010_S	SEE DATA
SB-70-0-4-052915	P0990-40				SW7471	
SB-70-4-8-052915	P0990-41		SW8270_S		SW6010_S	SEE DATA

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0990

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SB-70-4-8-052915	P0990-41				SW7471	
SB-70-8-12-052915	P0990-42					SEE DATA
SB-70-12-16-052915	P0990-43		SW8270_S		SW6010_S	SEE DATA
SB-70-12-16-052915	P0990-43				SW7471	
SB-70-16-20-052915	P0990-44		SW8270_S		SW6010_S	SEE DATA
SB-70-16-20-052915	P0990-44				SW7471	
SB-71-0-4-052915	P0990-45		SW8270_S		SW6010_S	SEE DATA
SB-71-0-4-052915	P0990-45				SW7471	
SB-DUP-06-052915	P0990-46		SW8270_S		SW6010_S	SEE DATA
SB-DUP-06-052915	P0990-46				SW7471	
SB-71-4-8-052915	P0990-47		SW8270_S		SW6010_S	SEE DATA
SB-71-4-8-052915	P0990-47				SW7471	
SB-DUP-07-052915	P0990-48		SW8270_S		SW6010_S	SEE DATA
SB-DUP-07-052915	P0990-48				SW7471	
SB-71-8-12-052915	P0990-49		SW8270_S		SW6010_S	SEE DATA
SB-71-8-12-052915	P0990-49				SW7471	
SB-71-12-16-052915	P0990-50		SW8270_S		SW6010_S	SEE DATA
SB-71-12-16-052915	P0990-50				SW7471	
SB-71-16-20-052915	P0990-51		SW8270_S		SW6010_S	SEE DATA
SB-71-16-20-052915	P0990-51				SW7471	
SB-72-0-4-052915	P0990-52		SW8270_S		SW6010_S	SEE DATA
SB-72-0-4-052915	P0990-52				SW7471	
SB-72-4-8-052915	P0990-53		SW8270_S		SW6010_S	SEE DATA
SB-72-4-8-052915	P0990-53				SW7471	
SB-72-8-12-052915	P0990-54		SW8270_S		SW6010_S	SEE DATA
SB-72-8-12-052915	P0990-54				SW7471	
SB-73-0-4-052915	P0990-55		SW8270_S		SW6010_S	SEE DATA
SB-73-0-4-052915	P0990-55				SW7471	
SB-73-4-8-052915	P0990-56		SW8270_S		SW6010_S	SEE DATA
SB-73-4-8-052915	P0990-56				SW7471	
SB-73-8-12-052915	P0990-57		SW8270_S		SW6010_S	SEE DATA
SB-73-8-12-052915	P0990-57				SW7471	

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0991

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
CB-20-052815	P0991-01		SW8270_W		SW6010_W	SEE DATA
CB-20-052815	P0991-01				SW7470	
CB-20-F-052815	P0991-02		SW8270_W		SW6010_W	SEE DATA
CB-20-F-052815	P0991-02				SW7470	
CB-21-052815	P0991-03		SW8270_W		SW6010_W	SEE DATA
CB-21-052815	P0991-03				SW7470	
CB-21-F-052815	P0991-04		SW8270_W		SW6010_W	SEE DATA
CB-21-F-052815	P0991-04				SW7470	
CB-22-052815	P0991-05		SW8270_W		SW6010_W	SEE DATA
CB-22-052815	P0991-05				SW7470	
CB-22-F-052815	P0991-06		SW8270_W		SW6010_W	SEE DATA
CB-22-F-052815	P0991-06				SW7470	
CB-23-052815	P0991-07		SW8270_W		SW6010_W	SEE DATA
CB-23-052815	P0991-07				SW7470	
CB-23-F-052815	P0991-08		SW8270_W		SW6010_W	SEE DATA
CB-23-F-052815	P0991-08				SW7470	
CB-18-052815	P0991-09		SW8270_W		SW6010_W	SEE DATA
CB-18-052815	P0991-09				SW7470	
CB-18-F-052815	P0991-10		SW8270_W		SW6010_W	SEE DATA
CB-18-F-052815	P0991-10				SW7470	
CB-24-052815	P0991-11		SW8270_W		SW6010_W	SEE DATA
CB-24-052815	P0991-11				SW7470	
CB-24-F-052815	P0991-12		SW8270_W		SW6010_W	SEE DATA
CB-24-F-052815	P0991-12				SW7470	
CB-19-052815	P0991-13		SW8270_W		SW6010_W	SEE DATA
CB-19-052815	P0991-13				SW7470	
CB-19-F-052815	P0991-14		SW8270_W		SW6010_W	SEE DATA
CB-19-F-052815	P0991-14				SW7470	
CB-25-052815	P0991-15		SW8270_W		SW6010_W	SEE DATA
CB-25-052815	P0991-15				SW7470	
CB-25-F-052815	P0991-16		SW8270_W		SW6010_W	SEE DATA
CB-25-F-052815	P0991-16				SW7470	
CB-12-052815	P0991-17		SW8270_W		SW6010_W	SEE DATA
CB-12-052815	P0991-17				SW7470	
CB-DUP-01-052815	P0991-18		SW8270_W		SW6010_W	SEE DATA
CB-DUP-01-052815	P0991-18				SW7470	
CB-12-F-052815	P0991-19		SW8270_W		SW6010_W	SEE DATA
CB-12-F-052815	P0991-19				SW7470	

Spectrum Analytical Inc. - North Kingstown RI -- Rhode Island Division

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Buffalo Lakeside **SDG :** P0991

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
CB-26-052915	P0991-20		SW8270_W		SW6010_W	SEE DATA
CB-26-052915	P0991-20				SW7470	
CB-26-F-052915	P0991-21		SW8270_W		SW6010_W	SEE DATA
CB-26-F-052915	P0991-21				SW7470	
CB-27-052915	P0991-22		SW8270_W		SW6010_W	SEE DATA
CB-27-052915	P0991-22				SW7470	
CB-27-F-052915	P0991-23		SW8270_W		SW6010_W	SEE DATA
CB-27-F-052915	P0991-23				SW7470	
CB-DUP-01-052915	P0991-24		SW8270_W		SW6010_W	SEE DATA
CB-DUP-01-052915	P0991-24				SW7470	
CB-28-052915	P0991-25		SW8270_W		SW6010_W	SEE DATA
CB-28-052915	P0991-25				SW7470	
CB-DUP-02-052915	P0991-26		SW8270_W		SW6010_W	SEE DATA
CB-DUP-02-052915	P0991-26				SW7470	
CB-28-F-052915	P0991-27		SW8270_W		SW6010_W	SEE DATA
CB-28-F-052915	P0991-27				SW7470	
CB-29-052915	P0991-28		SW8270_W		SW6010_W	SEE DATA
CB-29-052915	P0991-28				SW7470	
CB-29-F-052915	P0991-29		SW8270_W		SW6010_W	SEE DATA
CB-29-F-052915	P0991-29				SW7470	

ENVIRONMENTAL
Data Services, Inc.

DATA VALIDATION SUMMARY REPORT
BUFFALO LAKESIDE COMMERCE PARK, BUFFALO, NEW YORK

Client: CDM Smith, Inc. Latham, New York
SDG: J13546
Laboratory: Test America, St. Louis, Missouri
Site: Buffalo Lakeside Commerce Park, Buffalo, New York
Date: November 17, 2015

Section A: Introduction

The samples and analytical methods included in this sample delivery group (SDG) are documented in Table 1 Sample Summary Table and Table 2 Method Summary (below). All data qualifications were reviewed and approved by the qualified data validation chemist at Environmental Data Services, Inc.

Compliance with the project QC criteria is documented in this data validation report. The checklist and tables summarize the data review process and summarize the data that are qualified due to non-conformance with the guidance document. Any major or minor concerns affecting data usability are summarized below.

Table 1: Sample Summary Table - Soil

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix	QC Sample
1*	SB-80-0-3.6-20150824	160-13546-1	Soil	
2	SB-75-0-3.5-20150824	160-13546-2	Soil	
3	SB-77-0-9-20150824	160-13546-3	Soil	
4	SB-74-0-14-20150824	160-13546-4	Soil	
5	SB-82-0-16-20150824	160-13546-5	Soil	
6	SB-79-0-8-20150825	160-13546-6	Soil	
7	SB-76-0-8-20150825	160-13546-7	Soil	
8	SB-81-0-6-20150825	160-13546-8	Soil	
9	SB-78-0-14-20150825	160-13546-9	Soil	Field Duplicate
10	SB-DUP1-20150825	160-13546-10	Soil	Field Duplicate

* - Analyzed for ICP/MS Metals Uranium and Thorium only

A full data validation was performed on the analytical data for ten soil samples collected on August 24-25, 2015 by CDM Smith at the Buffalo Lakeside Commerce Park site in Buffalo, New York. The samples were analyzed under the Environmental Protection Agency (USEPA) Test Methods as follows.

Specific method references are as follows in Table 2:

Table 2: Method Summary

Analysis	Method References
Metals (ICP/MS)	EPA Method 6020A
Radium-226 & Gamma Emitters (GS)	EPA Method 901.1
Gross Alpha/Beta	EPA Method 9310
Isotopic Uranium (Alpha Spectroscopy)	USDOE Method A-01-R

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USACE Data Validation Guidelines as follows:

- USACE Kansas City and St. Louis District Radionuclide Data Quality Evaluation Guidance for Alpha and Gamma Spectroscopy, Revision 1, June 2004;
- and the reviewer's professional judgment.

Section B: Completeness Checklist

Do samples and analyses on the COC check against the lab login? Yes __×__ No ____
Were samples correctly preserved? Yes __×__ No ____
Did cooler arrive at the lab at appropriate temperature and in good condition? Yes __×__ No ____
Was the frequency of the laboratory QC correct? Yes __×__ No ____
Was the frequency of the field QC correct? Yes __×__ No ____
All forms and raw data complete? Yes __×__ No ____
Was the case narrative present and complete? Yes __×__ No ____

The following items/criteria were reviewed for this report to assess data usability:

Section C: Radiological Data Validation

- Holding times and preservation
- Calibration
- Method blank
- Field blank
- Sample Specific Chemical Recovery
- Laboratory Control Sample
- Matrix Spike
- Laboratory Replicate
- Field Replicate
- Quantitation
- Chemical Separation Specificity
- Target Radionuclide List Identification
- Matrix Density Variability

Part 1: Checklist for ICP/MS Metals (Uranium & Thorium), Radium-226, Gamma Emitters (GS), Gross Alpha/Beta, & Isotopic Uranium (Alpha Spectroscopy)

Holding Time: Were there any holding time violations? Yes ____ No __×__

- All samples were analyzed within the recommended holding time of 6 months.

Calibration: Does the calibration meet the QC criteria? Yes ____ No ____ NA__×__

- Calibration data were not included.

Method Blank: Did any targets in the samples exceed the QC criteria based on the method blank contamination? Yes__×__ No ____

- The method blanks were free of contamination.

Field Blank: Were there any targets in the Field Rinse Blank associated with potential blank contamination? Yes ____No ____ NA__×__

- Field blanks were not collected.

Sample-Specific Chemical Recovery: Did any sample-specific chemical recovery exceed the QC criteria? Yes ____ No ____ NA__×__

- Not applicable.

Laboratory Control Sample: Was the Laboratory Control Sample (LCS) and LCS Duplicate (as applicable) within the QC criteria for accuracy and precision? Yes __×__ No ____

- The LCS samples exhibited acceptable %R values.

Matrix Spike: Was the Matrix Spike/Matrix Spike Duplicate within the QC criteria for accuracy and precision? Yes __×__ No ____ NA _____

- Matrix spike/matrix spike duplicate samples exhibited acceptable %R and RPD values.

Laboratory Replicate: Did the laboratory replicate samples exceed the QC criteria for precision? Yes ____ No __×___

- The laboratory replicate samples exhibited acceptable RER values.

Field Duplicate: Did the field duplicate samples exceed the QC criteria for precision? Yes ____ No __×__

- Field duplicate results are summarized below.

Compound	SB-78-0-14-20150825 mg/kg	SB-DUP1-20150825 mg/kg	RPD	Qualifier
Uranium	2.3	2.2	4%	None
Thorium	2.9	3.0	3%	

Compound	SB-78-0-14-20150825 pCi/g	SB-DUP1-20150825 pCi/g	RPD	Qualifier
Actinium-228	0.327U ± 0.176	0.549 ± 0.196	NC	None
Bismuth-214	0.786 ± 0.205	0.671 ± 0.205	16%	
Lead-210	5.43 ± 1.86	5.36 ± 1.62	1%	
Lead-212	0.458 ± 0.139	0.445 ± 0.154	3%	

Compound	SB-78-0-14-20150825 pCi/g	SB-DUP1-20150825 pCi/g	RPD	Qualifier
Lead-214	0.714 ± 0.208	0.914 ± 0.209	25%	None
Potassium-40	4.28 ± 1.41	4.51 ± 1.48	5%	
Radium-226	0.786 ± 0.205	0.671 ± 0.205	16%	
Radium-228	0.327U ± 0.176	0.549 ± 0.196	NC	
Thallium-208	0.191 ± 0.0663	0.0858U ± 0.0854	NC	
Thorium-232	0.327U ± 0.176	0.549 ± 0.196	NC	
Gross Alpha	18.6 ± 6.37	27.4 ± 8.89	38%	
Uranium-233/234	0.727 ± 0.104	0.675 ± 0.0972	7%	
Uranium-235/236	0.0212 ± 0.0161	0.0718 ± 0.0299	109%	None <5X MDC
Uranium-238	0.644 ± 0.0958	0.594 ± 0.0894	8%	None

Quantitation: Are the radionuclide quantitation and detection limits with the QC criteria?
Yes ____ No __× (refer to attached pages)__

- Negative results have been negated and qualified as nondetected (U) by the laboratory.
- Results less than the MDC and less than the uncertainty have been qualified as nondetected (U) by the laboratory.
- The ICP/MS Metals samples contained high levels of salts, which caused interferences. The laboratory analyzed these samples at a 10X dilution. The reporting limits were elevated accordingly. No action was required.

Chemical Separation Specificity: Was the chemical separation specificity within the QC criteria?
Yes _×___ No ____

- All criteria were met.

Target Radionuclide List Identification: Does the target radionuclide list identification meet the QC criteria? Yes _×___ No ____

- All criteria were met.

Matrix Density: Does the matrix density variability meet the QC criteria?
Yes ____ No ____ NA__×__

- Not included.

Section D: Overall Usability Issues

An evaluation of the project chain of custody forms, laboratory receiving reports and associated analytical data indicates that the sampling, handling, shipping and analytical procedures have been adequately completed. The analytical results for SDG J13546 should be considered accurate and useable.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 11/19/15

Nancy Weaver
Senior Chemist

Data Qualifiers

U	=	Not detected at the detection limit listed.
UJ	=	The associated minimum detectable activity (MDA) is estimated.
J	=	The associated numerical value is an estimated quantity.
R	=	The data are unacceptable (radionuclide may or may not be present or quantitation is in serious doubt). Resampling and reanalysis is necessary for verification.

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

Client Sample ID: SB-80-0-3.6-20150824
Date Collected: 08/24/15 10:00
Date Received: 08/26/15 09:35

Lab Sample ID: 160-13546-1
Matrix: Solid

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.5**		0.47	0.093	mg/Kg		09/03/15 10:53	09/14/15 23:02	10
Thorium	**2.2**		0.93	0.36	mg/Kg		09/03/15 10:53	09/14/15 23:02	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	-0.0303	U	0.201	0.201		1.16	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Actinium-228	0.311	U	0.167	0.170		0.332	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Bismuth-212	0.343	U	0.624	0.625		1.08	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Bismuth-214	**0.875**		0.185	0.206		0.141	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Lead-210	1.50	U	1.39	1.40		2.21	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Lead-212	**0.360**		0.116	0.125		0.114	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Lead-214	**0.807**		0.183	0.202		0.165	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Potassium-40	**2.70**		1.05	1.08		1.29	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Protactinium-231	-0.0856	U	1.04	1.04		1.93	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Radium-226	**0.875**		0.185	0.206	0.500	0.141	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Radium-228	0.311	U	0.167	0.170	0.500	0.332	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Thallium-208	**0.155**		0.0573	0.0595		0.0606	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Thorium-232	0.311	U	0.167	0.170		0.332	pCi/g	08/28/15 09:30	09/18/15 07:08	1
Thorium-234	0.568	U	0.433	0.437		2.02	pCi/g	08/28/15 09:30	09/18/15 07:08	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 07:08*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**14.5**		5.72	5.96	10.0	6.24	pCi/g	09/01/15 09:51	09/01/15 12:03	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.751**		0.0937	0.113	0.100	0.0191	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0202**		0.0180	0.0181	0.100	0.0200	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.610**		0.0848	0.0990	0.100	0.0251	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*72.2*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

NW 11/17/15

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

Client Sample ID: SB-75-0-3.5-20150824

Lab Sample ID: 160-13546-2

Date Collected: 08/24/15 11:20
Matrix: Solid
Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.6**		0.46	0.092	mg/Kg		09/03/15 10:53	09/14/15 23:19	10
Thorium	**3.1**		0.92	0.36	mg/Kg		09/03/15 10:53	09/14/15 23:19	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.00127	U	0.515	0.515		0.916	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Actinium-228	**0.403**		0.162	0.167		0.261	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Bismuth-212	0.000	U	0.381	0.381		0.339	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Bismuth-214	**0.861**		0.172	0.194		0.137	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Lead-210	0.798	U	1.27	1.27		2.12	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Lead-212	**0.415**		0.121	0.133		0.126	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Lead-214	**1.00**		0.195	0.221		0.170	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Potassium-40	**5.12**		1.12	1.23		0.852	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Protactinium-231	0.0742	U	0.321	0.321		2.08	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Radium-226	**0.861**		0.172	0.194	0.500	0.137	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Radium-228	**0.403**		0.162	0.167	0.500	0.261	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Thallium-208	**0.105**		0.0568	0.0578		0.0827	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Thorium-232	**0.403**		0.162	0.167		0.261	pCi/g	08/28/15 09:30	09/18/15 07:46	1
Thorium-234	0.828	U	0.583	0.589		1.73	pCi/g	08/28/15 09:30	09/18/15 07:46	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 07:46*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**10.7**		6.81	6.92	10.0	9.80	pCi/g	09/01/15 09:51	09/01/15 12:04	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.04**		0.0985	0.132	0.100	0.0200	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0391**		0.0217	0.0219	0.100	0.0159	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.846**		0.0884	0.113	0.100	0.0128	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*92.5*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-77-0-9-20150824

Lab Sample ID: 160-13546-3

Date Collected: 08/24/15 13:40
Matrix: Solid
Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.1**		0.48	0.095	mg/Kg		09/03/15 10:53	09/14/15 23:24	10

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

3

Client Sample ID: SB-77-0-9-20150824

Lab Sample ID: 160-13546-3
Matrix: Solid

Date Collected: 08/24/15 13:40
Date Received: 08/26/15 09:35

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	**1.3**		0.95	0.37	mg/Kg		09/03/15 10:53	09/14/15 23:24	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.0166	U	0.531	0.531		0.934	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Actinium-228	0.209	U	0.140	0.141		0.234	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Bismuth-212	0.189	U	0.516	0.516		0.911	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Bismuth-214	**0.684**		0.150	0.166		0.123	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Lead-210	**2.58**		1.39	1.42		1.63	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Lead-212	**0.388**		0.0912	0.104		0.0786	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Lead-214	**0.715**		0.152	0.169		0.120	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Potassium-40	**6.39**		1.17	1.34		0.762	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Protactinium-231	0.357	U	0.755	0.756		1.66	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Radium-226	**0.684**		0.150	0.166	0.500	0.123	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Radium-228	0.209	U	0.140	0.141	0.500	0.234	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Thallium-208	0.0247	U	0.0392	0.0393		0.100	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Thorium-232	0.209	U	0.140	0.141		0.234	pCi/g	08/28/15 09:30	09/18/15 08:51	1
Thorium-234	0.686	U	0.404	0.410		1.28	pCi/g	08/28/15 09:30	09/18/15 08:51	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 08:51*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**17.6**		7.25	7.53	10.0	9.10	pCi/g	09/01/15 09:51	09/01/15 12:04	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.460**		0.0676	0.0778	0.100	0.0224	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0217**		0.0175	0.0176	0.100	0.0199	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.488**		0.0690	0.0803	0.100	0.0135	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*90.0*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-74-0-14-20150824

Lab Sample ID: 160-13546-4
Matrix: Solid

Date Collected: 08/24/15 14:55
Date Received: 08/26/15 09:35

4

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.9**		0.43	0.085	mg/Kg		09/03/15 10:53	09/14/15 23:41	10
Thorium	**4.0**		0.86	0.33	mg/Kg		09/03/15 10:53	09/14/15 23:41	10

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

4

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	-0.0414	U	0.669	0.669		1.20	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Actinium-228	**0.415**		0.208	0.212		0.405	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Bismuth-212	0.268	U	0.800	0.800		1.43	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Bismuth-214	**0.887**		0.212	0.231		0.186	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Lead-210	**4.40**		2.40	2.46		3.16	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Lead-212	**0.428**		0.153	0.163		0.188	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Lead-214	**0.875**		0.193	0.213		0.221	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Potassium-40	**4.71**		1.39	1.47		1.44	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Protactinium-231	-0.241	U	1.35	1.35		2.44	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Radium-226	**0.887**		0.212	0.231	0.500	0.186	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Radium-228	**0.415**		0.208	0.212	0.500	0.405	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Thallium-208	0.0864	U	0.0942	0.0946		0.144	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Thorium-232	**0.415**		0.208	0.212		0.405	pCi/g	08/28/15 09:30	09/18/15 09:29	1
Thorium-234	1.33	U	1.08	1.09		2.82	pCi/g	08/28/15 09:30	09/18/15 09:29	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 09:29*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**14.6**		6.07	6.30	10.0	6.66	pCi/g	09/01/15 09:51	09/01/15 12:04	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.880**		0.0948	0.120	0.100	0.0187	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0474**		0.0245	0.0248	0.100	0.00948	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.748**		0.0874	0.108	0.100	0.0204	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*91.0*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-82-0-16-20150824

Date Collected: 08/24/15 16:40
Date Received: 08/26/15 09:35

Lab Sample ID: 160-13546-5
Matrix: Solid

5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.1**		0.43	0.086	mg/Kg		09/03/15 10:53	09/14/15 23:45	10
Thorium	**2.9**		0.87	0.34	mg/Kg		09/03/15 10:53	09/14/15 23:45	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.000	U	0.674	0.674		1.35	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Actinium-228	**0.596**		0.187	0.196		0.320	pCi/g	08/28/15 09:30	09/18/15 09:33	1

TestAmerica St. Louis

9/23/2015

Client Sample ID: SB-82-0-16-20150824

Lab Sample ID: 160-13546-5

Date Collected: 08/24/15 16:40
Matrix: Solid
Date Received: 08/26/15 09:35

5

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Bismuth-212	0.369	U	0.572	0.574		0.965	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Bismuth-214	**0.896**		0.179	0.202		0.133	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Lead-210	0.995	U	1.42	1.43		2.36	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Lead-212	**0.777**		0.149	0.180		0.132	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Lead-214	**0.944**		0.173	0.199		0.135	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Potassium-40	**16.8**		2.01	2.64		0.887	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Protactinium-231	0.530	U	0.696	0.699		3.07	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Radium-226	**0.896**		0.179	0.202	0.500	0.133	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Radium-228	**0.596**		0.187	0.196	0.500	0.320	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Thallium-208	**0.287**		0.0755	0.0812		0.0602	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Thorium-232	**0.596**		0.187	0.196		0.320	pCi/g	08/28/15 09:30	09/18/15 09:33	1
Thorium-234	0.603	U	1.26	1.26		2.13	pCi/g	08/28/15 09:30	09/18/15 09:33	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 09:33*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**17.1**		6.82	7.10	10.0	8.46	pCi/g	09/01/15 09:51	09/01/15 12:04	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.627**		0.0744	0.0911	0.100	0.0162	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0382**		0.0204	0.0207	0.100	0.00819	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.639**		0.0748	0.0921	0.100	0.00657	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*97.1*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-79-0-8-20150825

Lab Sample ID: 160-13546-6

Date Collected: 08/25/15 08:05
Matrix: Solid
Date Received: 08/26/15 09:35

6

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.85**		0.44	0.087	mg/Kg		09/03/15 10:53	09/14/15 23:49	10
Thorium	**3.0**		0.88	0.34	mg/Kg		09/03/15 10:53	09/14/15 23:49	10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.444	U	0.628	0.630		1.04	pCi/g	08/28/15 09:30	09/18/15 10:32	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

Client Sample ID: SB-79-0-8-20150825

Lab Sample ID: 160-13546-6

Date Collected: 08/25/15 08:05
Date Received: 08/26/15 09:35

Matrix: Solid

6

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-228	**0.727**		0.277	0.287		0.299	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Bismuth-212	0.495	U	0.743	0.745		1.25	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Bismuth-214	**1.07**		0.240	0.264		0.194	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Lead-210	1.95	U	1.90	1.91		2.70	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Lead-212	**0.849**		0.171	0.203		0.170	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Lead-214	**0.868**		0.172	0.194		0.194	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Potassium-40	**12.7**		1.96	2.35		1.16	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Protactinium-231	0.0402	U	0.202	0.202		2.46	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Radium-226	**1.07**		0.240	0.264	0.500	0.194	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Radium-228	**0.727**		0.277	0.287	0.500	0.299	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Thallium-208	**0.383**		0.113	0.119		0.0972	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Thorium-232	**0.727**		0.277	0.287		0.299	pCi/g	08/28/15 09:30	09/18/15 10:32	1
Thorium-234	1.79	U	1.33	1.34		1.95	pCi/g	08/28/15 09:30	09/18/15 10:32	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 10:32*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**17.7**		7.24	7.52	10.0	9.97	pCi/g	09/01/15 09:51	09/02/15 13:55	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.768**		0.0884	0.109	0.100	0.00763	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0538**		0.0261	0.0265	0.100	0.00949	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.761**		0.0879	0.109	0.100	0.00761	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*82.3*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-76-0-8-20150825

Lab Sample ID: 160-13546-7

Date Collected: 08/25/15 11:05
Date Received: 08/26/15 09:35

Matrix: Solid

7

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**3.2**		0.47	0.094	mg/Kg		09/03/15 10:53	09/14/15 23:53	10
Thorium	**5.1**		0.94	0.37	mg/Kg		09/03/15 10:53	09/14/15 23:53	10

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

Client Sample ID: SB-76-0-8-20150825

Lab Sample ID: 160-13546-7

Date Collected: 08/25/15 11:05
Date Received: 08/26/15 09:35

Matrix: Solid

7

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.108	U	0.620	0.620		1.08	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Actinium-228	**1.22**		0.241	0.271		0.187	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Bismuth-212	0.000	U	0.524	0.524		1.61	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Bismuth-214	**0.947**		0.220	0.241		0.186	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Lead-210	**4.22**		1.96	2.02		2.17	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Lead-212	**0.918**		0.157	0.197		0.141	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Lead-214	**1.31**		0.206	0.247		0.162	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Potassium-40	**6.65**		1.31	1.48		0.915	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Protactinium-231	0.374	U	0.943	0.943		2.15	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Radium-226	**0.947**		0.220	0.241	0.500	0.186	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Radium-228	**1.22**		0.241	0.271	0.500	0.187	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Thallium-208	**0.272**		0.0787	0.0836		0.0915	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Thorium-232	**1.22**		0.241	0.271		0.187	pCi/g	08/28/15 09:30	09/18/15 10:35	1
Thorium-234	**1.92**		1.11	1.12		1.68	pCi/g	08/28/15 09:30	09/18/15 10:35	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 10:35*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**26.3**		7.09	7.70	10.0	7.86	pCi/g	09/01/15 09:51	09/02/15 13:55	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.06**		0.104	0.137	0.100	0.0274	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0713**		0.0297	0.0303	0.100	0.00929	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**1.19**		0.109	0.148	0.100	0.0263	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*91.0*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-81-0-6-20150825

Lab Sample ID: 160-13546-8

Date Collected: 08/25/15 11:45
Date Received: 08/26/15 09:35

Matrix: Solid

8

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.9**		0.46	0.091	mg/Kg		09/03/15 10:53	09/14/15 23:58	10
Thorium	**2.4**		0.92	0.36	mg/Kg		09/03/15 10:53	09/14/15 23:58	10

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

Client Sample ID: SB-81-0-6-20150825

Date Collected: 08/25/15 11:45
Date Received: 08/26/15 09:35

Lab Sample ID: 160-13546-8

Matrix: Solid

8

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.0168	U	0.155	0.155		1.06	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Actinium-228	0.157	U	0.176	0.177		0.372	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Bismuth-212	0.113	U	0.658	0.658		1.22	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Bismuth-214	**0.618**		0.209	0.219		0.214	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Lead-210	**7.69**		2.21	2.39		2.58	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Lead-212	**0.431**		0.128	0.139		0.142	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Lead-214	**0.680**		0.163	0.178		0.165	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Potassium-40	**2.90**		1.22	1.26		1.66	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Protactinium-231	0.000	U	1.26	1.26		2.46	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Radium-226	**0.618**		0.209	0.219	0.500	0.214	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Radium-228	0.157	U	0.176	0.177	0.500	0.372	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Thallium-208	0.0996	U	0.0870	0.0876		0.142	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Thorium-232	0.157	U	0.176	0.177		0.372	pCi/g	08/28/15 09:30	09/18/15 11:05	1
Thorium-234	0.241	U	0.506	0.506		2.09	pCi/g	08/28/15 09:30	09/18/15 11:05	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 11:05*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**30.5**		7.61	8.36	10.0	8.24	pCi/g	09/01/15 09:51	09/02/15 13:55	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.520**		0.0705	0.0829	0.100	0.0247	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	0.0150	U	0.0147	0.0147	0.100	0.0191	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.584**		0.0744	0.0891	0.100	0.0214	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*99.4*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-78-0-14-20150825

Date Collected: 08/25/15 09:35
Date Received: 08/26/15 09:35

Lab Sample ID: 160-13546-9

Matrix: Solid

9

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.3**		0.44	0.087	mg/Kg		09/03/15 10:53	09/15/15 00:02	10
Thorium	**2.9**		0.88	0.34	mg/Kg		09/03/15 10:53	09/15/15 00:02	10

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

Client Sample ID: SB-78-0-14-20150825

Lab Sample ID: 160-13546-9

Date Collected: 08/25/15 09:35
Date Received: 08/26/15 09:35

Matrix: Solid

9

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	-0.00527	U	0.564	0.564		1.02	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Actinium-228	0.327	U	0.173	0.176		0.342	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Bismuth-212	0.235	U	0.818	0.819		1.46	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Bismuth-214	**0.786**		0.189	0.205		0.163	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Lead-210	**5.43**		1.74	1.86		1.74	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Lead-212	**0.458**		0.126	0.139		0.107	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Lead-214	**0.714**		0.194	0.208		0.174	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Potassium-40	**4.28**		1.35	1.41		1.56	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Protactinium-231	-0.0582	U	1.21	1.21		2.22	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Radium-226	**0.786**		0.189	0.205	0.500	0.163	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Radium-228	0.327	U	0.173	0.176	0.500	0.342	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Thallium-208	**0.191**		0.0633	0.0663		0.0596	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Thorium-232	0.327	U	0.173	0.176		0.342	pCi/g	08/28/15 09:30	09/18/15 11:09	1
Thorium-234	1.01	U	1.15	1.15		1.87	pCi/g	08/28/15 09:30	09/18/15 11:09	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 11:09*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**18.6**		6.01	6.37	10.0	5.27	pCi/g	09/01/15 09:51	09/01/15 12:08	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.727**		0.0844	0.104	0.100	0.0196	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-235/236	**0.0212**		0.0160	0.0161	0.100	0.00907	pCi/g	09/02/15 12:03	09/13/15 22:59	1
Uranium-238	**0.644**		0.0791	0.0958	0.100	0.0134	pCi/g	09/02/15 12:03	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*91.6*		*30 - 110*	*09/02/15 12:03*	*09/13/15 22:59*	*1*

Client Sample ID: SB-DUP1-20150825

Lab Sample ID: 160-13546-10

Date Collected: 08/25/15 00:00
Date Received: 08/26/15 09:35

Matrix: Solid

10

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.2**		0.47	0.094	mg/Kg		09/03/15 10:53	09/15/15 00:06	10
Thorium	**3.0**		0.94	0.37	mg/Kg		09/03/15 10:53	09/15/15 00:06	10

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13546-1

Client Sample ID: SB-DUP1-20150825
Date Collected: 08/25/15 00:00
Date Received: 08/26/15 09:35

Lab Sample ID: 160-13546-10
Matrix: Solid

10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.000	U	0.736	0.736		1.57	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Actinium-228	**0.549**		0.188	0.196		0.138	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Bismuth-212	0.191	U	0.714	0.714		1.29	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Bismuth-214	**0.671**		0.193	0.205		0.185	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Lead-210	**5.36**		1.49	1.62		1.33	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Lead-212	**0.445**		0.143	0.154		0.135	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Lead-214	**0.914**		0.186	0.209		0.152	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Potassium-40	**4.51**		1.41	1.48		1.68	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Protactinium-231	0.00330	U	1.23	1.23		2.25	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Radium-226	**0.671**		0.193	0.205	0.500	0.185	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Radium-228	**0.549**		0.188	0.196	0.500	0.138	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Thallium-208	0.0858	U	0.0849	0.0854		0.122	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Thorium-232	**0.549**		0.188	0.196		0.138	pCi/g	08/28/15 09:30	09/18/15 12:16	1
Thorium-234	0.811	U	0.622	0.628		2.04	pCi/g	08/28/15 09:30	09/18/15 12:16	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*08/28/15 09:30*	*09/18/15 12:16*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**27.4**		8.32	8.89	10.0	9.38	pCi/g	09/01/15 09:51	09/01/15 12:08	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.675**		0.0789	0.0972	0.100	0.0169	pCi/g	09/02/15 12:05	09/13/15 22:59	1
Uranium-235/236	**0.0718**		0.0293	0.0299	0.100	0.0187	pCi/g	09/02/15 12:05	09/13/15 22:59	1
Uranium-238	**0.594**		0.0742	0.0894	0.100	0.0198	pCi/g	09/02/15 12:05	09/13/15 22:59	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*98.2*		*30 - 110*	*09/02/15 12:05*	*09/13/15 22:59*	*1*

ENVIRONMENTAL
Data Services, Inc.

DATA VALIDATION SUMMARY REPORT
BUFFALO LAKESIDE COMMERCE PARK, BUFFALO, NEW YORK

Client: CDM Smith, Inc. Latham, New York
SDG: J13585
Laboratory: Test America, St. Louis, Missouri
Site: Buffalo Lakeside Commerce Park, Buffalo, New York
Date: November 17, 2015

Section A: Introduction

The samples and analytical methods included in this sample delivery group (SDG) are documented in Table 1 Sample Summary Table and Table 2 Method Summary (below). All data qualifications were reviewed and approved by the qualified data validation chemist at Environmental Data Services, Inc.

Compliance with the project QC criteria is documented in this data validation report. The checklist and tables summarize the data review process and summarize the data that are qualified due to non-conformance with the guidance document. Any major or minor concerns affecting data usability are summarized below.

Table 1: Sample Summary Table - Soil

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix	QC Sample
1	SB-85-0-10-20150826	160-13585-1	Soil	
1MS*	SB-85-0-10-20150826MS	160-13585-1MS	Soil	Matrix Spike
1MSD*	SB-85-0-10-20150826MSD	160-13585-1MSD	Soil	Matrix Spike Duplicate
2	SB-89-0-12-20150826	160-13585-2	Soil	
3	SB-92-0-10-20150826	160-13585-3	Soil	
4	SB-91-0-10-20150826	160-13585-4	Soil	
5	DUP-2	160-13585-5	Soil	Field Duplicate
6	SB-97-0-10-20150826	160-13585-6	Soil	
7	SB-93-0-10-20150826	160-13585-7	Soil	
8	SB-90-0-10-20150826	160-13585-8	Soil	
9	SB-98-0-10-20150826	160-13585-9	Soil	
10	SB-84-0-10-20150825	160-13585-10	Soil	
11	SB-88-0-8-20150825	160-13585-11	Soil	
11MS*	SB-88-0-8-20150825MS	160-13585-11MS	Soil	Matrix Spike
11MSD*	SB-88-0-8-20150825MSD	160-13585-11MSD	Soil	Matrix Spike Duplicate
12	SB-83-0-12-20150825	160-13585-12	Soil	
14	SB-95-0-10-20150827	160-13585-14	Soil	
14MS†	SB-95-0-10-20150827MS	160-13585-14MS	Soil	Matrix Spike
14MSD†	SB-95-0-10-20150827MSD	160-13585-14MSD	Soil	Matrix Spike Duplicate
15	SB-94-0-10-20150827	160-13585-15	Soil	
16	SB-96-0-10-20150827	160-13585-16	Soil	
17	SB-86-0-8.5-20150827	160-13585-17	Soil	

* - Analyzed for ICP/MS Metals (Uranium and Thorium) and Isotopic Uranium only
† - Analyzed for ICP/MS Metals Uranium and Thorium only

*Note: EDS Sample ID #13 (Client ID: SB-87-0-12-20150826) was cancelled. EDS Sample ID #14 was inadvertently combined with EDS Sample ID #13. The sample was compromised and cancelled. EDS Sample ID #13 was the field duplicate parent sample as well.

A full data validation was performed on the analytical data for sixteen soil samples collected on August 25-27, 2015 by CDM Smith at the Buffalo Lakeside Commerce Park site in Buffalo, New York. The samples were analyzed under the Environmental Protection Agency (USEPA) Test Methods as follows.

Specific method references are as follows in Table 2:

Table 2: Method Summary	
Analysis	Method References
Metals (ICP/MS)	EPA Method 6020A
Radium-226 & Gamma Emitters	EPA Method 901.1
Gross Alpha/Beta	EPA Method 9310
Isotopic Uranium (Alpha Spectroscopy)	USDOE Method A-01-R

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USACE Data Validation Guidelines as follows:

- USACE Kansas City and St. Louis District Radionuclide Data Quality Evaluation Guidance for Alpha and Gamma Spectroscopy, Revision 1, June 2004;
- and the reviewer's professional judgment.

Section B: Completeness Checklist

Do samples and analyses on the COC check against the lab login? Yes __×__ No ____
Were samples correctly preserved? Yes __×__ No ____
Did cooler arrive at the lab at appropriate temperature and in good condition? Yes __×__ No ____
Was the frequency of the laboratory QC correct? Yes __×__ No ____
Was the frequency of the field QC correct? Yes __×__ No ____
All forms and raw data complete? Yes __×__ No ____
Was the case narrative present and complete? Yes __×__ No ____

The following items/criteria were reviewed for this report to assess data usability:

Section C: Radiological Data Validation

- Holding times and preservation
- Calibration
- Method blank
- Field blank
- Sample Specific Chemical Recovery
- Laboratory Control Sample
- Matrix Spike
- Laboratory Replicate
- Field Replicate
- Quantitation
- Chemical Separation Specificity
- Target Radionuclide List Identification
- Matrix Density Variability

Part 1: Checklist for ICP/MS Metals (Uranium & Thorium), Radium-226, Gamma Emitters (GS), Gross Alpha/Beta, & Isotopic Uranium (Alpha Spectroscopy)

Holding Time: Were there any holding time violations? Yes ____ No __×__

- All samples were analyzed within the recommended holding time of 6 months.

Calibration: Does the calibration meet the QC criteria? Yes ____ No ____ NA__×__

- Calibration data were not included.

Method Blank: Did any targets in the samples exceed the QC criteria based on the method blank contamination? Yes __×__ No ____

Table 3: Method Blanks

Blank ID	EDS Sample ID	Compound	Concentration pCi/g	Qualifier
MB 160-209360/1-A	9	Lead-214	0.1895	J - All Results

Field Blank: Were there any targets in the Field Rinse Blank associated with potential blank contamination? Yes ____No ____ NA__×__

- Field blanks were not collected.

Sample-Specific Chemical Recovery: Did any sample-specific chemical recovery exceed the QC criteria? Yes ____ No __×__

- All percent recoveries were within QC limits.

Laboratory Control Sample: Was the Laboratory Control Sample (LCS) and LCS Duplicate (as applicable) within the QC criteria for accuracy and precision? Yes __×__ No ____

- The LCS samples exhibited acceptable %R values.

Matrix Spike: Matrix Spike: Was the Matrix Spike/Matrix Spike Duplicate within the QC criteria for accuracy and precision? Yes __×__ No ____

- Matrix spike/matrix spike duplicate samples exhibited acceptable %R and RPD values.

Laboratory Replicate: Laboratory Replicate: Did the laboratory replicate samples exceed the QC criteria for precision? Yes ____ No __×___

- The laboratory replicate samples exhibited acceptable RER values.

Field Duplicate: Did the field duplicate samples exceed the QC criteria for precision? Yes ____ No ____ NA__×__

- One of the field duplicate samples was cancelled.

Quantitation: Quantitation: Are the radionuclide quantitation and detection limits with the QC criteria?
Yes ____ No __× (refer to attached pages)__

- Negative results have been negated and qualified as nondetected (U) by the laboratory.
- Results less than the MDC and less than the uncertainty have been qualified as nondetected (U) by the laboratory.
- The ICP/MS Metals samples contained high levels of salts, which caused interferences. The laboratory analyzed these samples at a 10X and/or 20X dilution. The reporting limits were elevated accordingly. No action was required.

Chemical Separation Specificity: Chemical Separation Specificity: Was the chemical separation specificity within the QC criteria?
Yes _×___ No ____

- All criteria were met.

Target Radionuclide List Identification: Target Radionuclide List Identification: Does the target radionuclide list identification meet the QC criteria? Yes _×___ No ____

- All criteria were met.

Matrix Density: Matrix Density: Does the matrix density variability meet the QC criteria? Yes ____ No ____ NA__×__

- Not included.

Section D: Overall Usability Issues

An evaluation of the project chain of custody forms, laboratory receiving reports and associated analytical data indicates that the sampling, handling, shipping and analytical procedures have been adequately completed. The analytical results for SDG J13585 should be considered accurate and useable.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 11/19/15

Nancy Weaver
Senior Chemist

Data Qualifiers

U	=	Not detected at the detection limit listed.
UJ	=	The associated minimum detectable activity (MDA) is estimated.
J	=	The associated numerical value is an estimated quantity.
R	=	The data are unacceptable (radionuclide may or may not be present or quantitation is in serious doubt). Resampling and reanalysis is necessary for verification.

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-85-0-10-20150826
Date Collected: 08/26/15 09:10
Date Received: 08/28/15 09:20

Lab Sample ID: 160-13585-1
Matrix: Solid

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**3.8**		0.91	0.18	mg/Kg		09/03/15 10:43	09/18/15 16:18	20
Thorium	**5.9**		1.8	0.71	mg/Kg		09/03/15 10:43	09/18/15 16:18	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.00277	U	0.575	0.575		1.01	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Actinium-228	**1.27**		0.271	0.300		0.160	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Bismuth-212	0.456	U	0.713	0.714		1.19	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Bismuth-214	**1.69**		0.225	0.285		0.151	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Lead-210	-0.0259	U	1.47	1.47		2.54	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Lead-212	**1.05**		0.175	0.221		0.154	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Lead-214	**1.93**	J	0.193	0.278		0.162	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Potassium-40	**6.39**		1.14	1.31		0.727	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Protactinium-231	0.190	U	0.213	0.214		2.48	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Radium-226	**1.69**		0.225	0.285	0.500	0.151	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Radium-228	**1.27**		0.271	0.300	0.500	0.160	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Thallium-208	**0.433**		0.0901	0.101		0.0678	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Thorium-232	**1.27**		0.271	0.300		0.160	pCi/g	09/03/15 15:01	09/24/15 07:26	1
Thorium-234	**2.95**		1.43	1.46		1.69	pCi/g	09/03/15 15:01	09/24/15 07:26	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 07:26*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**39.6**		9.07	10.1	10.0	7.41	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.67**		0.0996	0.172	0.100	0.0212	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0893**		0.0255	0.0266	0.100	0.00547	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**1.67**		0.0991	0.171	0.100	0.0181	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*95.8*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

MW 11/13/15

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

2

Client Sample ID: SB-89-0-12-20150826

Lab Sample ID: 160-13585-2
Matrix: Solid

Date Collected: 08/26/15 10:00
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.9**		0.96	0.19	mg/Kg		09/03/15 10:43	09/18/15 16:48	20
Thorium	**3.1**		1.9	0.75	mg/Kg		09/03/15 10:43	09/18/15 16:48	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.272	U	0.307	0.309		0.866	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Actinium-228	**0.566**		0.255	0.261		0.320	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Bismuth-212	0.774	U	0.696	0.700		1.08	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Bismuth-214	**0.774**		0.174	0.191		0.158	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Lead-210	1.59	U	1.81	1.82		2.67	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Lead-212	**0.739**		0.149	0.177		0.148	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Lead-214	**1.21**	J	0.184	0.223		0.191	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Potassium-40	**3.42**		1.13	1.18		1.32	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Protactinium-231	0.251	U	0.243	0.245		2.34	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Radium-226	**0.774**		0.174	0.191	0.500	0.158	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Radium-228	**0.566**		0.255	0.261	0.500	0.320	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Thallium-208	**0.202**		0.0737	0.0766		0.0821	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Thorium-232	**0.566**		0.255	0.261		0.320	pCi/g	09/03/15 15:01	09/24/15 07:27	1
Thorium-234	0.286	U	0.603	0.604		2.06	pCi/g	09/03/15 15:01	09/24/15 07:27	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 07:27*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**19.0**		7.06	7.39	10.0	8.62	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.809**		0.0730	0.0997	0.100	0.0126	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0334**		0.0170	0.0172	0.100	0.0129	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.865**		0.0753	0.105	0.100	0.0126	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*86.9*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

3

Client Sample ID: SB-92-0-10-20150826

Lab Sample ID: 160-13585-3
Matrix: Solid

Date Collected: 08/26/15 11:35
Date Received: 08/28/15 09:20

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**3.3**		0.89	0.18	mg/Kg		09/03/15 10:43	09/18/15 16:53	20

Client Sample ID: SB-92-0-10-20150826

Lab Sample ID: 160-13585-3

Date Collected: 08/26/15 11:35
Matrix: Solid
Date Received: 08/28/15 09:20

3

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	3.7		1.8	0.69	mg/Kg		09/03/15 10:43	09/18/15 16:53	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.298	U	0.405	0.407		0.872	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Actinium-228	**0.454**		0.191	0.196		0.260	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Bismuth-212	0.461	U	0.635	0.637		1.05	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Bismuth-214	**1.25**		0.190	0.231		0.125	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Lead-210	2.56	U	1.95	1.97		2.58	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Lead-212	**0.495**		0.140	0.154		0.155	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Lead-214	**1.37**	J	0.213	0.257		0.139	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Potassium-40	**2.18**		0.972	0.997		1.40	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Protactinium-231	0.340	U	0.674	0.675		3.11	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Radium-226	**1.25**		0.190	0.231	0.500	0.125	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Radium-228	**0.454**		0.191	0.196	0.500	0.260	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Thallium-208	**0.202**		0.0574	0.0611		0.0562	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Thorium-232	**0.454**		0.191	0.196		0.260	pCi/g	09/03/15 15:01	09/24/15 07:34	1
Thorium-234	0.481	U	1.26	1.26		2.23	pCi/g	09/03/15 15:01	09/24/15 07:34	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 07:34*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**22.8**		7.52	7.96	10.0	8.99	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.10**		0.0862	0.126	0.100	0.0174	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0683**		0.0246	0.0253	0.100	0.0160	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**1.18**		0.0891	0.133	0.100	0.0146	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*84.1*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-91-0-10-20150826

Lab Sample ID: 160-13585-4

Date Collected: 08/26/15 13:10
Matrix: Solid
Date Received: 08/28/15 09:20

4

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.7**		0.96	0.19	mg/Kg		09/03/15 10:43	09/18/15 16:57	20
Thorium	**3.2**		1.9	0.75	mg/Kg		09/03/15 10:43	09/18/15 16:57	20

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

4

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.0363	U	0.499	0.499		0.876	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Actinium-228	**0.507**		0.158	0.167		0.0917	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Bismuth-212	0.00115	U	0.480	0.480		0.900	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Bismuth-214	**1.00**		0.189	0.215		0.148	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Lead-210	1.32	U	1.09	1.10		1.72	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Lead-212	**0.486**		0.129	0.144		0.126	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Lead-214	**1.07** J		0.174	0.207		0.133	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Potassium-40	**2.16**		0.864	0.892		1.16	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Protactinium-231	0.183	U	0.354	0.354		1.97	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Radium-226	**1.00**		0.189	0.215	0.500	0.148	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Radium-228	**0.507**		0.158	0.167	0.500	0.0917	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Thallium-208	**0.133**		0.0592	0.0608		0.0793	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Thorium-232	**0.507**		0.158	0.167		0.0917	pCi/g	09/03/15 15:01	09/24/15 08:01	1
Thorium-234	0.802	U	0.417	0.425		1.73	pCi/g	09/03/15 15:01	09/24/15 08:01	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 08:01*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**14.7**		7.17	7.36	10.0	9.95	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.966**		0.0858	0.118	0.100	0.0182	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0512**		0.0223	0.0228	0.100	0.00732	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.957**		0.0851	0.117	0.100	0.0145	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*77.3*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: DUP-2

Date Collected: 08/26/15 00:00
Date Received: 08/28/15 09:20

Lab Sample ID: 160-13585-5
Matrix: Solid

5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.3**		0.96	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:01	20
Thorium	**2.2**		1.9	0.75	mg/Kg		09/03/15 10:43	09/18/15 17:01	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	-0.341	U	0.746	0.747		1.26	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Actinium-228	**0.376**		0.232	0.235		0.320	pCi/g	09/03/15 15:01	09/24/15 08:06	1

TestAmerica St. Louis

MW 11/17/15

10/19/2015

Client Sample ID: DUP-2

Lab Sample ID: 160-13585-5
Matrix: Solid

Date Collected: 08/26/15 00:00
Date Received: 08/28/15 09:20

5

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Bismuth-212	0.216	U	0.758	0.758		1.35	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Bismuth-214	**0.772**		0.170	0.188		0.154	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Lead-210	2.36	U	2.20	2.22		3.09	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Lead-212	**0.467**		0.146	0.158		0.158	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Lead-214	**0.726**	J	0.164	0.180		0.192	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Potassium-40	**4.88**		1.24	1.34		1.19	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Protactinium-231	0.462	U	0.762	0.764		2.86	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Radium-226	**0.772**		0.170	0.188	0.500	0.154	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Radium-228	**0.376**		0.232	0.235	0.500	0.320	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Thallium-208	0.118	U	0.114	0.114		0.122	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Thorium-232	**0.376**		0.232	0.235		0.320	pCi/g	09/03/15 15:01	09/24/15 08:06	1
Thorium-234	0.295	U	0.720	0.721		2.44	pCi/g	09/03/15 15:01	09/24/15 08:06	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 08:06*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**18.1**		7.31	7.59	10.0	9.09	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.549**		0.0586	0.0745	0.100	0.0171	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0249**		0.0138	0.0139	0.100	0.00574	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.563**		0.0593	0.0758	0.100	0.0171	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*94.3*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-97-0-10-20150826

Lab Sample ID: 160-13585-6
Matrix: Solid

Date Collected: 08/26/15 13:45
Date Received: 08/28/15 09:20

6

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**0.68**	J	0.90	0.18	mg/Kg		09/03/15 10:43	09/18/15 17:05	20
Thorium	**2.3**		1.8	0.70	mg/Kg		09/03/15 10:43	09/18/15 17:05	20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	-0.00424	U	0.478	0.478		0.864	pCi/g	09/03/15 15:01	09/24/15 08:33	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-97-0-10-20150826

Lab Sample ID: 160-13585-6
Matrix: Solid

Date Collected: 08/26/15 13:45
Date Received: 08/28/15 09:20

6

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-228	**0.469**		0.191	0.197		0.244	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Bismuth-212	0.600	U	0.578	0.581		0.895	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Bismuth-214	**0.667**		0.170	0.183		0.144	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Lead-210	0.689	U	1.03	1.03		1.72	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Lead-212	**0.501**		0.124	0.140		0.119	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Lead-214	**0.690**	J	0.149	0.166		0.159	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Potassium-40	**1.42**		0.847	0.859		1.30	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Protactinium-231	-0.271	U	1.18	1.18		2.08	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Radium-226	**0.667**		0.170	0.183	0.500	0.144	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Radium-228	**0.469**		0.191	0.197	0.500	0.244	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Thallium-208	**0.232**		0.0625	0.0670		0.0494	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Thorium-232	**0.469**		0.191	0.197		0.244	pCi/g	09/03/15 15:01	09/24/15 08:33	1
Thorium-234	0.755	U	0.434	0.441		1.77	pCi/g	09/03/15 15:01	09/24/15 08:33	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 08:33*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**19.2**		7.70	8.00	10.0	9.87	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.408**		0.0499	0.0605	0.100	0.0116	pCi/g	09/14/15 09:07	09/21/15 18:41	1
Uranium-235/236	0.0108	U	0.0105	0.0105	0.100	0.0145	pCi/g	09/14/15 09:07	09/21/15 18:41	1
Uranium-238	**0.353**		0.0465	0.0552	0.100	0.0132	pCi/g	09/14/15 09:07	09/21/15 18:41	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*94.8*		*30 - 110*	*09/14/15 09:07*	*09/21/15 18:41*	*1*

Client Sample ID: SB-93-0-10-20150826

Lab Sample ID: 160-13585-7
Matrix: Solid

Date Collected: 08/26/15 14:25
Date Received: 08/28/15 09:20

7

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.2**		0.85	0.17	mg/Kg		09/03/15 10:43	09/18/15 17:10	20
Thorium	**2.6**		1.7	0.66	mg/Kg		09/03/15 10:43	09/18/15 17:10	20

9

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-93-0-10-20150826

Lab Sample ID: 160-13585-7
Matrix: Solid
Date Collected: 08/26/15 14:25
Date Received: 08/28/15 09:20

7

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.383	U	0.426	0.428		0.688	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Actinium-228	**0.799**		0.177	0.195		0.214	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Bismuth-212	0.698	U	0.677	0.681		1.06	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Bismuth-214	**0.765**		0.160	0.178		0.139	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Lead-210	1.78	U	1.46	1.47		2.36	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Lead-212	**0.485**		0.150	0.163		0.171	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Lead-214	**0.902**	J	0.168	0.192		0.181	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Potassium-40	**4.79**		1.15	1.25		0.845	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Protactinium-231	0.0463	U	0.0840	0.0841		2.35	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Radium-226	**0.765**		0.160	0.178	0.500	0.139	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Radium-228	**0.799**		0.177	0.195	0.500	0.214	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Thallium-208	**0.231**		0.0732	0.0771		0.0752	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Thorium-232	**0.799**		0.177	0.195		0.214	pCi/g	09/03/15 15:01	09/24/15 08:34	1
Thorium-234	0.505	U	0.571	0.574		2.04	pCi/g	09/03/15 15:01	09/24/15 08:34	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 08:34*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**18.9**		6.86	7.19	10.0	8.08	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.591**		0.0599	0.0778	0.100	0.0116	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0263**		0.0141	0.0142	0.100	0.00564	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.535**		0.0568	0.0724	0.100	0.00452	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*95.2*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-90-0-10-20150826

Lab Sample ID: 160-13585-8
Matrix: Solid
Date Collected: 08/26/15 15:04
Date Received: 08/28/15 09:20

8

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.6**		0.96	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:14	20
Thorium	**3.0**		1.9	0.75	mg/Kg		09/03/15 10:43	09/18/15 17:14	20

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-90-0-10-20150826

Lab Sample ID: 160-13585-8
Matrix: Solid

Date Collected: 08/26/15 15:04
Date Received: 08/28/15 09:20

8

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.0875	U	0.144	0.144		1.18	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Actinium-228	**0.493**		0.213	0.219		0.350	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Bismuth-212	0.692	U	0.686	0.690		1.08	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Bismuth-214	**0.926**		0.215	0.235		0.201	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Lead-210	2.24	U	2.10	2.12		2.88	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Lead-212	**0.636**		0.187	0.205		0.201	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Lead-214	**1.01**	J	0.170	0.200		0.157	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Potassium-40	**3.80**		1.16	1.23		1.38	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Protactinium-231	0.555	U	0.741	0.744		1.96	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Radium-226	**0.926**		0.215	0.235	0.500	0.201	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Radium-228	**0.493**		0.213	0.219	0.500	0.350	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Thallium-208	**0.203**		0.0744	0.0773		0.0818	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Thorium-232	**0.493**		0.213	0.219		0.350	pCi/g	09/03/15 15:01	09/24/15 08:38	1
Thorium-234	1.43	U	0.862	0.875		2.32	pCi/g	09/03/15 15:01	09/24/15 08:38	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 08:38*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**20.4**		6.72	7.11	10.0	7.07	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.757**		0.0687	0.0936	0.100	0.0181	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0236**		0.0140	0.0141	0.100	0.0121	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.683**		0.0649	0.0866	0.100	0.0134	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*98.0*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-98-0-10-20150826

Lab Sample ID: 160-13585-9
Matrix: Solid

Date Collected: 08/26/15 15:50
Date Received: 08/28/15 09:20

9

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.0**		0.96	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:31	20
Thorium	**3.1**		1.9	0.75	mg/Kg		09/03/15 10:43	09/18/15 17:31	20

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-98-0-10-20150826

Lab Sample ID: 160-13585-9
Matrix: Solid
Date Collected: 08/26/15 15:50
Date Received: 08/28/15 09:20

9

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.496	U	0.473	0.476		0.758	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Actinium-228	**0.619**		0.203	0.212		0.194	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Bismuth-212	0.681	U	0.597	0.601		0.925	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Bismuth-214	**0.868**		0.155	0.179		0.108	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Lead-210	**2.46**		1.26	1.29		1.36	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Lead-212	**0.672**		0.130	0.157		0.122	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Lead-214	**0.995**	J	0.157	0.188		0.132	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Potassium-40	**4.46**		1.10	1.19		1.14	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Protactinium-231	-0.491	U	1.19	1.19		2.04	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Radium-226	**0.868**		0.155	0.179	0.500	0.108	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Radium-228	**0.619**		0.203	0.212	0.500	0.194	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Thallium-208	**0.132**		0.0563	0.0579		0.0789	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Thorium-232	**0.619**		0.203	0.212		0.194	pCi/g	09/03/15 15:01	09/24/15 09:12	1
Thorium-234	0.737	U	0.518	0.524		1.41	pCi/g	09/03/15 15:01	09/24/15 09:12	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 09:12*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**16.1**		6.93	7.17	10.0	8.66	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.877**		0.0741	0.105	0.100	0.0120	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0407**		0.0178	0.0181	0.100	0.00582	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.826**		0.0717	0.0998	0.100	0.00467	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*96.9*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-84-0-10-20150825

Lab Sample ID: 160-13585-10
Matrix: Solid
Date Collected: 08/25/15 15:50
Date Received: 08/28/15 09:20

10

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.8**		0.95	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:35	20
Thorium	**2.8**		1.9	0.74	mg/Kg		09/03/15 10:43	09/18/15 17:35	20

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-84-0-10-20150825

Lab Sample ID: 160-13585-10
Matrix: Solid

Date Collected: 08/25/15 15:50
Date Received: 08/28/15 09:20

10

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.216	U	0.489	0.489		0.840	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Actinium-228	**0.791**		0.212	0.227		0.124	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Bismuth-212	0.734	U	0.714	0.718		1.12	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Bismuth-214	**1.06**		0.196	0.225		0.155	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Lead-210	1.80	U	1.77	1.78		2.64	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Lead-212	**0.757**		0.178	0.203		0.182	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Lead-214	**1.17**	J	0.179	0.217		0.170	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Potassium-40	**2.36**		1.04	1.07		1.39	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Protactinium-231	0.647	U	0.854	0.857		1.53	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Radium-226	**1.06**		0.196	0.225	0.500	0.155	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Radium-228	**0.791**		0.212	0.227	0.500	0.124	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Thallium-208	**0.221**		0.0879	0.0908		0.0951	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Thorium-232	**0.791**		0.212	0.227		0.124	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Thorium-234	1.08	U	1.16	1.16		2.07	pCi/g	09/03/15 15:01	09/24/15 09:11	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 09:11*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**16.3**		4.53	4.90	10.0	5.11	pCi/g	09/09/15 13:42	09/10/15 11:03	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.814**		0.0705	0.0982	0.100	0.0117	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0587**		0.0211	0.0217	0.100	0.00568	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.767**		0.0682	0.0938	0.100	0.00456	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*95.3*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-88-0-8-20150825

Lab Sample ID: 160-13585-11
Matrix: Solid

Date Collected: 08/25/15 14:43
Date Received: 08/28/15 09:20

11

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.2**		0.95	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:40	20
Thorium	**1.9**		1.9	0.74	mg/Kg		09/03/15 10:43	09/18/15 17:40	20

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-88-0-8-20150825

Lab Sample ID: 160-13585-11
Matrix: Solid

Date Collected: 08/25/15 14:43
Date Received: 08/28/15 09:20

11

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.000	U	0.367	0.367		1.49	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Actinium-228	**1.56**		0.280	0.322		0.204	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Bismuth-212	0.899	U	0.785	0.791		1.22	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Bismuth-214	**1.36**		0.263	0.299		0.217	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Lead-210	1.99	U	1.64	1.65		2.62	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Lead-212	**1.25**		0.195	0.253		0.192	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Lead-214	**1.41**	J	0.196	0.245		0.154	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Potassium-40	**4.16**		1.30	1.36		1.64	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Protactinium-231	0.504	U	0.504	0.507		3.18	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Radium-226	**1.36**		0.263	0.299	0.500	0.217	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Radium-228	**1.56**		0.280	0.322	0.500	0.204	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Thallium-208	**0.511**		0.102	0.115		0.0764	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Thorium-232	**1.56**		0.280	0.322		0.204	pCi/g	09/03/15 15:01	09/24/15 09:11	1
Thorium-234	0.724	U	0.669	0.674		2.63	pCi/g	09/03/15 15:01	09/24/15 09:11	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 09:11*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**33.5**		7.83	8.71	10.0	5.95	pCi/g	09/09/15 13:42	09/09/15 20:42	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.01**		0.0816	0.118	0.100	0.0201	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0351**		0.0173	0.0176	0.100	0.0128	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.954**		0.0787	0.112	0.100	0.0125	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*90.2*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-83-0-12-20150825

Lab Sample ID: 160-13585-12
Matrix: Solid

Date Collected: 08/25/15 13:50
Date Received: 08/28/15 09:20

12

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.7**		0.96	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:52	20
Thorium	**3.1**		1.9	0.75	mg/Kg		09/03/15 10:43	09/18/15 17:52	20

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-83-0-12-20150825

Lab Sample ID: 160-13585-12
Matrix: Solid
Date Collected: 08/25/15 13:50
Date Received: 08/28/15 09:20

12

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.287	U	0.622	0.623		1.06	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Actinium-228	**0.941**		0.319	0.334		0.229	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Bismuth-212	0.607	U	0.665	0.668		1.06	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Bismuth-214	**0.940**		0.181	0.206		0.127	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Lead-210	**3.19**		2.11	2.14		2.39	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Lead-212	**0.464**		0.162	0.173		0.159	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Lead-214	**1.05**	J	0.173	0.205		0.170	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Potassium-40	**10.9**		1.79	2.11		1.06	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Protactinium-231	0.164	U	0.395	0.395		2.47	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Radium-226	**0.940**		0.181	0.206	0.500	0.127	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Radium-228	**0.941**		0.319	0.334	0.500	0.229	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Thallium-208	0.103	U	0.0842	0.0848		0.116	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Thorium-232	**0.941**		0.319	0.334		0.229	pCi/g	09/03/15 15:01	09/24/15 09:45	1
Thorium-234	0.463	U	0.495	0.497		1.41	pCi/g	09/03/15 15:01	09/24/15 09:45	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 09:45*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**17.5**		6.13	6.44	10.0	6.91	pCi/g	09/09/15 13:42	09/09/15 20:43	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.583**		0.0614	0.0785	0.100	0.0102	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0388**		0.0181	0.0184	0.100	0.0127	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.621**		0.0632	0.0820	0.100	0.0101	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*93.6*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-95-0-10-20150827

Lab Sample ID: 160-13585-14
Matrix: Solid
Date Collected: 08/27/15 07:55
Date Received: 08/28/15 09:20

14

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.8**		0.46	0.092	mg/Kg		09/10/15 10:09	09/15/15 00:19	10
Thorium	**2.3**		0.93	0.36	mg/Kg		09/10/15 10:09	09/15/15 00:19	10

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-95-0-10-20150827

Lab Sample ID: 160-13585-14
Matrix: Solid
Date Collected: 08/27/15 07:55
Date Received: 08/28/15 09:20

14

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.181	U	0.396	0.396		1.12	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Actinium-228	**0.412**		0.204	0.209		0.282	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Bismuth-212	0.479	U	0.720	0.722		1.21	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Bismuth-214	**1.26**		0.235	0.269		0.200	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Lead-210	**3.01**		2.01	2.04		2.94	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Lead-212	**0.780**		0.172	0.199		0.175	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Lead-214	**1.64**	J	0.254	0.306		0.195	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Potassium-40	**2.47**		0.930	0.964		1.01	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Protactinium-231	0.269	U	1.01	1.01		2.64	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Radium-226	**1.26**		0.235	0.269	0.500	0.200	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Radium-228	**0.412**		0.204	0.209	0.500	0.282	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Thallium-208	**0.263**		0.0841	0.0884		0.0847	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Thorium-232	**0.412**		0.204	0.209		0.282	pCi/g	09/03/15 15:01	09/24/15 10:21	1
Thorium-234	1.13	U	0.833	0.841		1.99	pCi/g	09/03/15 15:01	09/24/15 10:21	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 10:21*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**15.8**		6.19	6.45	10.0	7.48	pCi/g	09/09/15 13:42	09/09/15 20:44	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.976**		0.0754	0.111	0.100	0.0150	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0420**		0.0178	0.0181	0.100	0.0113	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.989**		0.0756	0.112	0.100	0.00910	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*98.8*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-94-0-10-20150827

Lab Sample ID: 160-13585-15
Matrix: Solid
Date Collected: 08/27/15 08:40
Date Received: 08/28/15 09:20

15

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**1.2**		0.93	0.19	mg/Kg		09/03/15 10:43	09/18/15 17:57	20
Thorium	**2.2**		1.9	0.73	mg/Kg		09/03/15 10:43	09/18/15 17:57	20

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-94-0-10-20150827

Lab Sample ID: 160-13585-15
Matrix: Solid
Date Collected: 08/27/15 08:40
Date Received: 08/28/15 09:20

15

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.120	U	0.544	0.544		0.953	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Actinium-228	**0.422**		0.225	0.229		0.291	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Bismuth-212	0.258	U	0.670	0.670		1.18	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Bismuth-214	**0.885**		0.213	0.232		0.182	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Lead-210	0.981	U	1.62	1.62		2.54	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Lead-212	**0.567**		0.136	0.155		0.148	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Lead-214	**0.904**	J	0.168	0.193		0.172	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Potassium-40	**2.38**		0.955	0.986		1.18	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Protactinium-231	0.611	U	0.656	0.660		2.60	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Radium-226	**0.885**		0.213	0.232	0.500	0.182	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Radium-228	**0.422**		0.225	0.229	0.500	0.291	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Thallium-208	**0.216**		0.0738	0.0771		0.0800	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Thorium-232	**0.422**		0.225	0.229		0.291	pCi/g	09/03/15 15:01	09/24/15 09:46	1
Thorium-234	1.03	U	0.606	0.616		1.97	pCi/g	09/03/15 15:01	09/24/15 09:46	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 09:46*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**15.9**		5.86	6.13	10.0	6.90	pCi/g	09/09/15 13:42	09/09/15 20:44	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.670**		0.0661	0.0868	0.100	0.0179	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0335**		0.0173	0.0175	0.100	0.0154	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**0.602**		0.0622	0.0801	0.100	0.0101	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*91.3*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-96-0-10-20150827

Lab Sample ID: 160-13585-16
Matrix: Solid
Date Collected: 08/27/15 09:55
Date Received: 08/28/15 09:20

16

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**2.9**		0.88	0.18	mg/Kg		09/03/15 10:43	09/18/15 18:01	20
Thorium	**5.0**		1.8	0.69	mg/Kg		09/03/15 10:43	09/18/15 18:01	20

MW 11/17/15

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-96-0-10-20150827

Lab Sample ID: 160-13585-16
Matrix: Solid

Date Collected: 08/27/15 09:55
Date Received: 08/28/15 09:20

16

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.192	U	0.349	0.349		1.21	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Actinium-228	**1.11**		0.266	0.289		0.117	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Bismuth-212	**1.15**		0.785	0.794		1.15	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Bismuth-214	**1.29**		0.231	0.267		0.179	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Lead-210	1.29	U	1.91	1.92		2.84	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Lead-212	**0.870**		0.194	0.225		0.197	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Lead-214	**1.54**	J	0.229	0.279		0.160	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Potassium-40	**3.48**		1.14	1.20		1.43	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Protactinium-231	0.00235	U	0.0134	0.0134		2.48	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Radium-226	**1.29**		0.231	0.267	0.500	0.179	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Radium-228	**1.11**		0.266	0.289	0.500	0.117	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Thallium-208	**0.325**		0.0848	0.0913		0.0790	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Thorium-232	**1.11**		0.266	0.289		0.117	pCi/g	09/03/15 15:01	09/24/15 09:44	1
Thorium-234	1.62	U	1.29	1.30		2.20	pCi/g	09/03/15 15:01	09/24/15 09:44	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 09:44*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**21.6**		6.45	6.91	10.0	6.61	pCi/g	09/09/15 13:42	09/09/15 20:44	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.03**		0.0803	0.118	0.100	0.0136	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0580**		0.0212	0.0218	0.100	0.00580	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**1.01**		0.0796	0.117	0.100	0.0149	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*99.1*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

Client Sample ID: SB-86-0-8.5-20150827

Lab Sample ID: 160-13585-17
Matrix: Solid

Date Collected: 08/27/15 10:45
Date Received: 08/28/15 09:20

17

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	**3.9**		0.88	0.18	mg/Kg		09/03/15 10:43	09/18/15 18:05	20
Thorium	**3.9**		1.8	0.69	mg/Kg		09/03/15 10:43	09/18/15 18:05	20

MW 11/17/15

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: BLCP Sampling - Radioactivity

TestAmerica Job ID: 160-13585-1

Client Sample ID: SB-86-0-8.5-20150827
Date Collected: 08/27/15 10:45
Date Received: 08/28/15 09:20

Lab Sample ID: 160-13585-17
Matrix: Solid

17

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Actinium-227	0.193	U	0.216	0.217		0.947	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Actinium-228	**0.392**		0.209	0.213		0.291	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Bismuth-212	0.443	U	0.476	0.478		0.759	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Bismuth-214	**1.43**		0.212	0.259		0.150	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Lead-210	1.36	U	1.30	1.31		2.11	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Lead-212	**0.845**		0.157	0.192		0.150	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Lead-214	**1.65**	J	0.179	0.248		0.145	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Potassium-40	**3.34**		0.981	1.04		1.15	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Protactinium-231	-0.961	U	1.45	1.45		2.41	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Radium-226	**1.43**		0.212	0.259	0.500	0.150	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Radium-228	**0.392**		0.209	0.213	0.500	0.291	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Thallium-208	**0.237**		0.0691	0.0733		0.0653	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Thorium-232	**0.392**		0.209	0.213		0.291	pCi/g	09/03/15 15:01	09/24/15 10:22	1
Thorium-234	1.23	U	0.636	0.649		1.83	pCi/g	09/03/15 15:01	09/24/15 10:22	1

Other Detected Radionuclides	*Result*	*Qualifier*	*Count Uncert. (2σ+/-)*	*Total Uncert. (2σ+/-)*	*RL*	*MDC*	*Unit*	*Prepared*	*Analyzed*	*Dil Fac*
Other Detected Radionuclide	*None*						*pCi/g*	*09/03/15 15:01*	*09/24/15 10:22*	*1*

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	**22.2**		6.58	7.06	10.0	6.90	pCi/g	09/09/15 13:42	09/09/15 20:44	1

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Uranium-233/234	**1.41**		0.0928	0.150	0.100	0.0134	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-235/236	**0.0627**		0.0218	0.0225	0.100	0.00570	pCi/g	09/14/15 09:07	09/20/15 22:21	1
Uranium-238	**1.39**		0.0921	0.149	0.100	0.00457	pCi/g	09/14/15 09:07	09/20/15 22:21	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*92.6*		*30 - 110*	*09/14/15 09:07*	*09/20/15 22:21*	*1*

MW 11/17/15

TestAmerica St. Louis

10/19/2015

Data Validation Services

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September 15, 2016

Amy Picunas
CDM Smith
11 British American Boulevard Suite 200
Latham, NY 12110

RE: Validation of the Buffalo Lakeside Commerce Park Site Analytical Data Packages
Data Usability Summary Report (DUSR)
TAL SDG Nos. 480-88934-1, 480-89011-1, 480-89012-1, 480-89110-1, 480-89238-1, 480-89318-1, 480-89389-1, 480-89476-1, 480-89590-1, 480-89590-2, 480-89685-1, and 480-89685-2
Alloway SDG Nos. M15-25187, M15-25283, M15-25362, M15-25435, and M15-25599

Dear Ms. Picunas:

Review has been completed for the data packages generated by TestAmerica, Inc. and Alloway that pertain to samples collected between 10/12/15 and 10/22/15 at the Buffalo Lakeside Commerce Park site. The total and dissolved fractions (unfiltered and filtered) of forty five aqueous samples, fifteen soil field duplicates, six aqueous field duplicates, and a soil field duplicate were processed for TCL semivolatiles and TAL metals. The soil samples, the total and dissolved fractions of thirteen aqueous samples, and field duplicates were also processed for total cyanide. The soil samples, the soil field duplicate, the total and dissolved fractions of fifteen of the aqueous samples, and two of the aqueous field duplicates were also processed for free cyanide. Six soil samples and a field duplicate were processed for TAL metals. The free cyanide analyses of the aqueous samples were processed by ASTM method D7237 by Alloway. Other analytical methodologies utilized are USEPA SW846 methods 8270C, 6010C, 7471, and 9012.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method and Preparation Blanks

* Matrix Spike Recoveries/Duplicate Correlations
* Blind Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* ICP Serial Dilution Evaluation
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, results for the most of the target metals analytes are usable either as reported or with minor qualification/edit. However, the following concerns are noted:

- phenolic analytes in one sample are not usable due to an apparent matrix effect
- significant variances were noted in some of the field and laboratory duplicate evaluations, particularly for the metal analytes
- Tentatively Identified Compound (TIC) results reflect laboratory contamination, as discussed below

Data completeness exceeds 95%, and accuracy, representativeness, reproducibility, sensitivity, and comparability are acceptable. Precision outliers (noted below) have been qualified as estimated.

Copies of the client sample identifications are attached to this text. Also included in this report are client results EDDs with recommended qualifiers/edits applied in red.

Chain-of-Custody/Sample Receipt

SS-DUP-101315 was received by the laboratory, but had not been entered onto the custody.

Some of the samples identifications were reported as "S8" rather than "SB".

The third page of the custodies for samples reported in SDG 480-89685 did not include the marks to designate the requested analyses.

No relinquish date and time were entered onto the custody form for samples reported in SG 480-89238-1.

Strikeovers should have been dated and initialed.

Blind Field Duplicates

The blind field duplicate evaluations of semivolatiles, metals, and total cyanide in SB-74-8-12-101215, of semivolatiles, metals, total cyanide, and free cyanide in TP-05-101515, TP-11-F-101915, of semivolatiles and metals in CB-23-F-102115, CB-02-F-102215, and BASIN-3-F-102215, and of metals in SS-77-101315 show correlations within the validation guidelines , with the following exceptions, results for which are qualified in the indicated parent sample and its associated duplicate:

- Significant variances were observed for the metals in SB-74-8-12-101215, with the duplicate showing concentrations about twice those of the parent sample for most analytes, but with calcium detected at 134,000 ppm in the parent sample and 26,000 ppm in the duplicate. Results for all elements except magnesium, potassium, selenium, nickel, cadmium, arsenic, and antimony are qualified as estimated
- Magnesium and nickel in SS-77-101315
- Total cyanide and free cyanide in TP-05-101515
- Aluminum, barium, iron, magnesium, and zinc in CB-12-F-101615

Semivolatile Analyses by EPA8270D

CB-12-101615 exhibits recoveries below 10% for the one of the acid (phenolic) surrogate standards. Therefore, the non-detected results for the phenolic compounds in that sample are rejected, and not usable. Detected values of phenolics in the sample are qualified as estimated, with a possible very low bias. This is typically a matrix effect, although reextraction to confirm that assumption was not performed.

Due to low surrogate recoveries, the results for TP-03-101415 have been qualified as estimated, with a low bias. The reextraction was successful, but was performed past the required holding time.

The following detections are edited to reflect non-detection due to very poor mass spectral quality:

- 2,4-dinitrotoluene in TP-02-101415
- 2,4,5-trichlorophenol in TP-06-101515
- n-nitrosodipropylamine and 2,4-dinitrotoluene in TP-15-101915
- 4-nitrophenol in TP-09-F-102015

The following target analyte detections are considered external contamination and edited to reflect non-detection due to presence in the associated field and/or method blanks:

- diethylphthalate, dimethylphthalate, isophorone, phenol, acetophenone, and benzaldehyde in samples reported in SDGs 480-88934, 48-89012-1, and 480-89110-1
- benzaldehyde and butyl benzyl phthalate in samples reported in SDG 480-89238-1
- 2-methylphenol and benzaldehyde in samples reported in 480-89318-1
- benzaldehyde in samples reported in 480-89389-1
- benzaldehyde and butyl benzyl phthalate in samples reported in SDGs 480-89476-1, 480-89590-1, and 480-80590-2
- benzaldehyde and phenol in samples reported in 480-89685-1 and 480-89685-2
- butyl benzyl phthalate in samples reported in 480-89685-2

The blanks, particularly the aqueous method blanks, show numerous Tentatively Identified Compounds (TICs). During validation the detections of those compounds in the project samples have been removed from consideration as sample components.

Calibration standards show responses within validation action levels, with the following exceptions, results for which are qualified in the indicated, associated samples:

- benzaldehyde (38%D to 64%D) in CB-11-F-102115, FB-102115, CB-05-102115, CB-05-F-102115, CB-06-102115, CB-06-F-102115, CB-20-102115, CB-20-F-102115, CB-21-F-102115,

CB-18-F-102115, CB-18-102115, CB-22-102115, CB22-F-102115, CB-07-102215, CB-07-F-102215, CB-09-102215, CB-09-F-102215, CB-30-102215, CB-30-F-102215, CB-16-102215, CB-16-F-102215, MW-UNK-102215, MW-UNK-F-102215, FB-102215, CB-01-102215, CB-02-102215, CB-02-F-102215, CB-DUP-03-102215, CB-03-102215, CB-03-F-102215, CB-04-102215, CB-04-F-102215, and CB-01-F-102215, and in all samples reported in SDG 480-89110-1, 480-89238-1, 480-89476-1, and 480-89685-2

- benzaldehyde and n-nitroso-di-n-propylamine (23%D to 54%D) in samples CB-12-101615, CB-12-F-101615, CB-DUP-01-101615, CB-26-101615, CB-26-F-101615, CB-27-101615, CB-27-F-101615, CB-28-101516, CB-28-F-101615, FB-101615, CB-10-102115, CB-10-F-102115, CB-19-102115, CB-19-F-102115, CB-25-102115, CB-25-F-102115, and CB-24-102115
- benzaldehyde and pentachlorophenol (22%D to 47%D) in samples TP-11-F-101915, TP-DUP-02-101915, TP-13-101915, TP-13-F-101915, TP-15-101915, TP-15-F-101915, TP-11-101915 FB-101915, CB-29-102115, CB-29-F-102115, CB-14-102115, CB-14-F-102115, CB-11-102115, CB-24-F-102115, CB-23-102115, CB-23-F-102115, CB-DUP-02-102115, CB-08-102115, CB-21-102115, and CB-08-F-102115

Holding times were met. Internal standard responses are compliant. Instrument tunes meet fragmentation requirements.

The matrix spike evaluations performed on SB-76-16-20-101315, TP-08-F-102015, TP-14-101515, CB-21-102115, CB-11-F-102115, CB-01-F-102215, and BASIN-1-F-102215 show recoveries and duplicate correlations within validation action limits for the twelve analytes that were evaluated by the laboratory. That evaluation should have been performed on all target analytes. The LCSs also do not report the full evaluation required of the protocol.

The following matrix spikes show the indicated outliers, and the results for those compounds have been qualified as estimated in value.

Parent Sample	Analyte	Outlying % Recoveries
S8-74-0-4-101215	4-nitrophenol	29,33
	pentachlorophenol	10,12

Total and filtered fractions correlate well, with the exception that low level detections of phthalates and phenolics (below the RL) are found in the filtered fractions of some of the samples, but not in their unfiltered fractions.

The laboratory utilizes a low sample volume aqueous method modification that results in background responses reported as field sample TIC detections. This is evidenced by the prevalence of non-target responses in the associated method blanks. The laboratory should have flagged sample TICs that were also present in the associated method blanks as "B"s. This is of particular importance because for most samples those contaminants compromise the majority and strongest of the TIC concentrations. Although requested, the laboratory has not provided revised TIC results, and the ability to remove those contaminants from field samples results is hindered. The effort to perform the extensive review is well beyond the scope of validation, and therefore the TIC results remain unvalidated at the time this report is issued. The proper reporting can be performed by the laboratory at a later date if so desired. The source of the low level aqueous processing contamination should be resolved as the responses interfere with the detection of, and priority reporting of, sample TICs.

Volatile TCL compounds and extraction artifacts were included in the reported semivolatile TICs. They are also processed in associated blanks.

Some of the samples were processed at dilution due to extract viscosity or "matrix". This resulted in proportionally elevated reporting limits.

Metals Analyses by EPA 6010C

The following zinc detections are considered external contamination and edited to reflect non-detection due to presence in the associated field blanks:

- all samples reported in SDG 480-89318 except CB-DUP-01-101615 and CB-12-101615
- all samples reported in SDGs 480-89590-1 and 480-89590-2 except CB-22-F-102115 and CB-14-102115
- all samples reported in SDGs 480-89238, 480-89685-1 and 480-89685-2

The detections of copper in the samples reported in SDG 480-89389 are considered external contamination and edited to reflect non-detection due to presence in the associated field blank.

Matrix spikes/duplicates were performed for metals on SS-75-101315, SB-76-16-20-101315, TP-14-101515, TP-08-F-102015, CB-29-102115, CB-21-102115, CB-01-F-102215, and BASIN-1-F-102215 and show recoveries and correlations within validation guidelines, with the following exceptions, results for which are qualified as estimated in the indicated parent sample:

Parent Sample	Element	Outlying % Recoveries	Outlying %RPD
SB-76-16-20-101315	antimony	74,58	26
	barium	-97,-25	35
	iron	157,595	61
	magnesium	221,444	49
	potassium	164,236	29
	aluminum		49
	calcium		88
SS-75-101315	aluminum	597,470	
	antimony	46,68	45
	barium	384,134	66
	copper	182	43
	lead	394	96
	selenium	63	40
	zinc	694	112
	potassium	225	62
	iron		84
	magnesium		100
	manganese		62

The ICP serial dilution evaluations of SS-75-101315, TP-14-101515, TP-08-F-102015, CB-29-102115, CB-11-F-102115, CB-21-102115, CB-01-F-102215, and BASIN-1-F-102215 show acceptable

correlations. The following serial dilution evaluations show outlying correlations, and the results for the listed elements have been qualified as estimated in the indicated parent sample:

Total and filtered fractions correlate well, with the following exceptions, results for which are qualified as estimated in both fractions of the samples:

- Nickel in TP-10-102015
- Zinc in CB-22-F-102115
- Iron in CB-30-102215

Results of certain elements in some of the samples are reported at elevated reporting limits due to interferences from iron or silica.

Total a nd Free Cyanide Analyses by EPA 9012 and ASTM 7237-1

The following matrix spike (MS)/MSD)/duplicate evaluations were performed:

- Total cyanide and Free Cyanide on SB-76-16-20-101315
- Total cyanide in SB-75-12-16-101215, TP-03-F-101415, TP-05-F-101515, TP-14-101515, FB-101915, FB-102215, TP-09-F-102015, TP-08-F-102015
- Free cyanide MS/MSD on TP-14-101515, TP-15-101915, TP-10-102015, and TP-08-F-102015

Recoveries and correlations are acceptable, with the exception of those for total cyanide in SB-75-12-16-101215 (18%), TP-14-101515 (65% and 80%), TP-09-F-102015 (82%), and TP-03-F-101415 (115%). The results for total cyanide in those parent samples are qualified as estimated.

The detected total cyanide results in samples reported in SDG 480-89012-1 and 480-88934-1 are qualified as estimated, with a high bias, due to elevated recoveries (126% to 152%) in the associated LCSs.

Total and filtered fractions correlate well, with the following exceptions, results for which are qualified as estimated in both fractions of the indicated samples:

- free cyanide in TP-03-101415, TP-05-101415, and MW-405-102015
- total cyanide in TP-08-102015 and MW-404-102015

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-88934-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-88934-1	S8-74-0-4-101215	Solid	10/12/15 09:10	10/12/15 19:10
480-88934-2	S8-74-4-8-101215	Solid	10/12/15 09:32	10/12/15 19:10
480-88934-3	S8-74-8-12-101215	Solid	10/12/15 10:06	10/12/15 19:10
480-88934-4	SB-DUP-1-101215	Solid	10/12/15 10:06	10/12/15 19:10
480-88934-5	SB-74-12-16-101215	Solid	10/12/15 11:26	10/12/15 19:10
480-88934-6	SB-74-16-20-101215	Solid	10/12/15 11:36	10/12/15 19:10
480-88934-7	SB-75-0-4-101215	Solid	10/12/15 14:03	10/12/15 19:10
480-88934-8	SB-75-4-8-101215	Solid	10/12/15 14:28	10/12/15 19:10
480-88934-9	SB-75-8-12-101215	Solid	10/12/15 14:39	10/12/15 19:10
480-88934-10	SB-75-12-16-10125	Solid	10/12/15 14:49	10/12/15 19:10
480-88934-11	SB-75-16-20-101215	Solid	10/12/15 15:18	10/12/15 19:10

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89011-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89011-1	SS-72-101315	Solid	10/13/15 14:00	10/13/15 16:50
480-89011-2	SS-73-101315	Solid	10/13/15 14:16	10/13/15 16:50
480-89011-3	SS-74-101315	Solid	10/13/15 14:33	10/13/15 16:50
480-89011-4	SS-75-101315	Solid	10/13/15 14:41	10/13/15 16:50
480-89011-5	SS-76-101315	Solid	10/13/15 15:04	10/13/15 16:50
480-89011-6	SS-77-101315	Solid	10/13/15 15:10	10/13/15 16:50
480-89011-7	SS-DUP-101315	Solid	10/13/15 15:10	10/13/15 16:50

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A PIN

TestAmerica Job ID: 480-89012-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89012-1	SB-76-0-4-101315	Solid	10/13/15 09:03	10/13/15 16:50
480-89012-2	SB-76-4-8-101315	Solid	10/13/15 09:22	10/13/15 16:50
480-89012-3	SB-76-8-12-101315	Solid	10/13/15 09:35	10/13/15 16:50
480-89012-4	SB-76-12-16-101315	Solid	10/13/15 09:53	10/13/15 16:50
480-89012-5	SB-76-16-20-101315	Solid	10/13/15 10:10	10/13/15 16:50

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89110-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89110-1	TP-02-101415	Water	10/14/15 10:15	10/14/15 16:36
480-89110-2	TP-02-F-101415	Water	10/14/15 10:20	10/14/15 16:36
480-89110-3	TP-03-101415	Water	10/14/15 13:00	10/14/15 16:36
480-89110-4	TP-03-F-101415	Water	10/14/15 13:12	10/14/15 16:36
480-89110-5	TP-04-101415	Water	10/14/15 15:05	10/14/15 16:36
480-89110-6	TP-04-F-101415	Water	10/14/15 15:15	10/14/15 16:36
480-89110-7	FB-101415	Water	10/14/15 15:56	10/14/15 16:36

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89238-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89238-1	TP-05-101515	Water	10/15/15 09:40	10/15/15 17:17
480-89238-2	TP-05-F-101515	Water	10/15/15 09:52	10/15/15 17:17
480-89238-3	TP-06-101515	Water	10/15/15 12:00	10/15/15 17:17
480-89238-4	TP-06-F-101515	Water	10/15/15 12:10	10/15/15 17:17
480-89238-5	TP-DUP-01-101515	Water	10/15/15 09:45	10/15/15 17:17
480-89238-6	TP-14-101515	Water	10/15/15 14:45	10/15/15 17:17
480-89238-7	TP-14-F-101515	Water	10/15/15 15:05	10/15/15 17:17
480-89238-8	FB-101515	Water	10/15/15 16:27	10/15/15 17:17

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89318-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89318-1	CB-12-101615	Water	10/16/15 12:40	10/16/15 15:30
480-89318-2	CB-12-F-101615	Water	10/16/15 12:40	10/16/15 15:30
480-89318-3	CB-DUP-01-101615	Water	10/16/15 12:40	10/16/15 15:30
480-89318-4	CB-26-101615	Water	10/16/15 13:47	10/16/15 15:30
480-89318-5	CB-26-F-101615	Water	10/16/15 13:47	10/16/15 15:30
480-89318-6	CB-27-101615	Water	10/16/15 12:20	10/16/15 15:30
480-89318-7	CB-27-F-101615	Water	10/16/15 12:23	10/16/15 15:30
480-89318-8	CB-28-101615	Water	10/16/15 13:23	10/16/15 15:30
480-89318-9	CB-28-F-101615	Water	10/16/15 13:26	10/16/15 15:30
480-89318-10	FB-101615	Water	10/16/15 14:40	10/16/15 15:30

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89389-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89389-1	TP-11-101915	Water	10/19/15 13:25	10/19/15 17:05
480-89389-2	TP-11-F-101915	Water	10/19/15 13:35	10/19/15 17:05
480-89389-3	TP-DUP-02-101915	Water	10/19/15 13:35	10/19/15 17:05
480-89389-4	TP-13-101915	Water	10/19/15 12:55	10/19/15 17:05
480-89389-5	TP-13-F-101915	Water	10/19/15 13:05	10/19/15 17:05
480-89389-6	TP-15-101915	Water	10/19/15 15:45	10/19/15 17:05
480-89389-7	TP-15-F-101915	Water	10/19/15 15:50	10/19/15 17:05
480-89389-8	FB-101915	Water	10/19/15 16:00	10/19/15 17:05

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89476-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89476-1	MW-405-102015	Water	10/20/15 08:40	10/20/15 17:00
480-89476-2	MW-405-F-102015	Water	10/20/15 08:45	10/20/15 17:00
480-89476-3	MW-404-102015	Water	10/20/15 11:25	10/20/15 17:00
480-89476-4	MW-404-F-102015	Water	10/20/15 11:30	10/20/15 17:00
480-89476-5	TP-08-102015	Water	10/20/15 14:40	10/20/15 17:00
480-89476-6	TP-08-F-102015	Water	10/20/15 14:50	10/20/15 17:00
480-89476-7	TP-10-102015	Water	10/20/15 09:20	10/20/15 17:00
480-89476-8	TP-10-F-102015	Water	10/20/15 09:30	10/20/15 17:00
480-89476-9	TP-09-102015	Water	10/20/15 13:46	10/20/15 17:00
480-89476-10	TP-09-F-102015	Water	10/20/15 13:53	10/20/15 17:00
480-89476-11	FB-102015	Water	10/20/15 16:00	10/20/15 17:00

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89590-1	CB-29-102115	Water	10/21/15 08:40	10/21/15 17:00
480-89590-2	CB 29-F-102115	Water	10/21/15 08:45	10/21/15 17:00
480-89590-3	CB-14-102115	Water	10/21/15 09:30	10/21/15 17:00
480-89590-4	CB-14-F-102115	Water	10/21/15 09:33	10/21/15 17:00
480-89590-5	CB-11-102115	Water	10/21/15 10:10	10/21/15 17:00
480-89590-6	CB-11-F-102115	Water	10/21/15 10:13	10/21/15 17:00
480-89590-7	CB-10-102115	Water	10/21/15 11:30	10/21/15 17:00
480-89590-8	CB-10-F-102115	Water	10/21/15 11:33	10/21/15 17:00
480-89590-9	CB-19-102115	Water	10/21/15 12:00	10/21/15 17:00
480-89590-10	CB-19-F 102115	Water	10/21/15 12:03	10/21/15 17:00
480-89590-11	CB-25-102115	Water	10/21/15 12:40	10/21/15 17:00
480-89590-12	CB-25-F -102115	Water	10/21/15 12:43	10/21/15 17:00
480-89590-13	CB-24-102115	Water	10/21/15 13:35	10/21/15 17:00
480-89590-14	CB-24-F-102115	Water	10/21/15 13:38	10/21/15 17:00
480-89590-15	CB-23-102115	Water	10/21/15 14:10	10/21/15 17:00
480-89590-16	CB-23-F-102115	Water	10/21/15 14:13	10/21/15 17:00
480-89590-17	CB-DUP-02-102115	Water	10/21/15 14:13	10/21/15 17:00
480-89590-18	CB-08-102115	Water	10/21/15 14:35	10/21/15 17:00
480-89590-19	CB-08-F-102115	Water	10/21/15 14:38	10/21/15 17:00
480-89590-20	FB-102115	Water	10/21/15 15:50	10/21/15 17:00

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89590-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89590-21	CB-05-102115	Water	10/21/15 08:55	10/21/15 17:00
480-89590-22	CB-05-F-102115	Water	10/21/15 09:00	10/21/15 17:00
480-89590-23	CB-06-102115	Water	10/21/15 10:00	10/21/15 17:00
480-89590-24	CB-06-F-102115	Water	10/21/15 10:05	10/21/15 17:00
480-89590-25	CB-20-102115	Water	10/21/15 10:50	10/21/15 17:00
480-89590-26	CB-20-F-102115	Water	10/21/15 11:00	10/21/15 17:00
480-89590-27	CB-21-102115	Water	10/21/15 12:50	10/21/15 17:00
480-89590-28	CB-21-F-102115	Water	10/21/15 13:10	10/21/15 17:00
480-89590-29	CB-18-102115	Water	10/21/15 14:00	10/21/15 17:00
480-89590-30	CB-18-F-102115	Water	10/21/15 14:10	10/21/15 17:00
480-89590-31	CB-22-102115	Water	10/21/15 14:45	10/21/15 17:00
480-89590-32	CB-22-F-102115	Water	10/21/15 14:50	10/21/15 17:00

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89685-1	CB-07-102215	Water	10/22/15 08:00	10/22/15 17:30
480-89685-2	CB-07-F-102215	Water	10/22/15 08:05	10/22/15 17:30
480-89685-3	CB-09-102215	Water	10/22/15 09:30	10/22/15 17:30
480-89685-4	CB-09-F-102215	Water	10/22/15 09:33	10/22/15 17:30
480-89685-5	CB-30-102215	Water	10/22/15 10:25	10/22/15 17:30
480-89685-6	CB-30-F-102215	Water	10/22/15 10:28	10/22/15 17:30
480-89685-7	CB-16-102215	Water	10/22/15 10:55	10/22/15 17:30
480-89685-8	CB-16-F-102215	Water	10/22/15 10:58	10/22/15 17:30
480-89685-9	MW-UNK-102215	Water	10/22/15 13:00	10/22/15 17:30
480-89685-10	MW-UNK-F-102215	Water	10/22/15 13:05	10/22/15 17:30
480-89685-11	FB-102215	Water	10/22/15 15:00	10/22/15 17:30
480-89685-12	CB-01-102215	Water	10/22/15 08:55	10/22/15 17:30
480-89685-13	CB-01-F-102215	Water	10/22/15 09:00	10/22/15 17:30
480-89685-14	CB-02-102215	Water	10/22/15 10:00	10/22/15 17:30
480-89685-15	CB-02-F-102215	Water	10/22/15 10:05	10/22/15 17:30
480-89685-16	CB-DUP-03-102215	Water	10/22/15 10:10	10/22/15 17:30
480-89685-17	CB-03-102215	Water	10/22/15 10:50	10/22/15 17:30
480-89685-18	CB-03-F-102215	Water	10/22/15 10:55	10/22/15 17:30
480-89685-19	CB-04-102215	Water	10/22/15 12:42	10/22/15 17:30
480-89685-20	CB-04-F-102215	Water	10/22/15 12:46	10/22/15 17:30

Sample Summary

Client: New York State D.E.C.
Project/Site: Buffalo Lakeside #915193A

TestAmerica Job ID: 480-89685-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89685-21	BASIN-1-102215	Water	10/22/15 13:42	10/22/15 17:30
480-89685-22	BASIN-1-F-102215	Water	10/22/15 13:47	10/22/15 17:30
480-89685-23	BASIN-2-102215	Water	10/22/15 15:11	10/22/15 17:30
480-89685-24	BASIN-2-F-102215	Water	10/22/15 15:16	10/22/15 17:30
480-89685-25	BASIN-3-102215	Water	10/22/15 14:28	10/22/15 17:30
480-89685-26	BASIN-3-F-102215	Water	10/22/15 14:32	10/22/15 17:30
480-89685-27	BASIN-DUP-04-102215	Water	10/22/15 14:37	10/22/15 17:30

Tables

Sample Name	Sample Matrix	Sample Date and Time	Analysis	Remark
September 2012				
SB-01 0-4	Soil Boring	09/17/2012 09:35	TAL Metals	
SB-01 4-8	Soil Boring	09/17/2012 09:35	TAL Metals	
SB-02 0-4	Soil Boring	09/17/2012 10:15	TAL Metals	
SB-02 4-8	Soil Boring	09/17/2012 10:15	TAL Metals	
SB-02 8-12	Soil Boring	09/17/2012 10:15	TAL Metals	
SB-03 0-4	Soil Boring	09/17/2012 10:45	TAL Metals	
SB-03 4-8	Soil Boring	09/17/2012 10:45	TAL Metals	
SB-04 0-4	Soil Boring	09/17/2012 11:15	TAL Metals	
SB-04 4-8	Soil Boring	09/17/2012 11:15	TAL Metals	
SB-04 8-12	Soil Boring	09/17/2012 11:15	TAL Metals	
SB-05 0-4	Soil Boring	09/17/2012 12:00	TAL Metals	
SB-05 4-8	Soil Boring	09/17/2012 12:00	TAL Metals	
SB-06 0-4	Soil Boring	09/17/2012 13:30	TAL Metals	
SB-06 4-8	Soil Boring	09/17/2012 13:30	TAL Metals	
SB-07 0-4	Soil Boring	09/17/2012 13:50	TAL Metals	
SB-07 4-8	Soil Boring	09/17/2012 13:50	TAL Metals	
SB-08 0-4	Soil Boring	09/17/2012 14:05	TAL Metals	
SB-08 4-8	Soil Boring	09/17/2012 14:05	TAL Metals	
SB-09 0-4	Soil Boring	09/17/2012 14:50	TAL Metals	
SB-10 0-4	Soil Boring	09/18/2012 08:35	TAL Metals	
SB-10 4-8	Soil Boring	09/18/2012 08:35	TAL Metals	
SB-10 8-12	Soil Boring	09/18/2012 08:35	TAL Metals	
SB-11 0-4	Soil Boring	09/18/2012 09:05	TAL Metals	
SB-11 4-8	Soil Boring	09/18/2012 09:05	TAL Metals	
SB-11 8-12	Soil Boring	09/18/2012 09:05	TAL Metals	
SB-12 0-4	Soil Boring	09/18/2012 09:35	TAL Metals	
SB-12 4-8	Soil Boring	09/18/2012 09:35	TAL Metals	
SB-12 8-12	Soil Boring	09/18/2012 09:35	TAL Metals	
SB-13 0-4	Soil Boring	09/18/2012 09:55	TAL Metals	
SB-13 4-8	Soil Boring	09/18/2012 09:55	TAL Metals	
SB-13 8-12	Soil Boring	09/18/2012 09:55	TAL Metals	
SB-14 0-4	Soil Boring	09/18/2012 10:45	TAL Metals	
SB-14 12-16	Soil Boring	09/18/2012 10:45	TAL Metals	
SB-14 16-20	Soil Boring	09/18/2012 10:45	TAL Metals	
SB-14 4-8	Soil Boring	09/18/2012 10:45	TAL Metals	
SB-14 8-12	Soil Boring	09/18/2012 10:45	TAL Metals	
SB-15 0-4	Soil Boring	09/18/2012 11:50	TAL Metals	
SB-16 0-4	Soil Boring	09/18/2012 13:15	TAL Metals	MS/MSD
SB-16 4-8	Soil Boring	09/18/2012 13:15	TAL Metals	
SB-16 8-12	Soil Boring	09/18/2012 13:15	TAL Metals	
SB-17 0-4	Soil Boring	09/18/2012 13:35	TAL Metals	
SB-17 4-8	Soil Boring	09/18/2012 13:35	TAL Metals	
SB-18 0-4	Soil Boring	09/18/2012 14:05	TAL Metals	
SB-18 4-8	Soil Boring	09/18/2012 14:05	TAL Metals	
SB-19 0-4	Soil Boring	09/18/2012 14:20	TAL Metals	
SB-19 4-8	Soil Boring	09/18/2012 14:20	TAL Metals	
SB-20 0-4	Soil Boring	09/18/2012 14:40	TAL Metals	
SB-20 4-8	Soil Boring	09/18/2012 14:40	TAL Metals	
SB-21 0-4	Soil Boring	09/18/2012 14:50	TAL Metals	
SB-21 4-8	Soil Boring	09/18/2012 14:50	TAL Metals	
SB-22 0-4	Soil Boring	09/18/2012 15:05	TAL Metals	
SB-22 4-8	Soil Boring	09/18/2012 15:05	TAL Metals	
SB-23 0-4	Soil Boring	09/18/2012 15:25	TAL Metals	
SB-23 4-8	Soil Boring	09/18/2012 15:25	TAL Metals	
SB-23 8-12	Soil Boring	09/18/2012 15:25	TAL Metals	
SB-24 0-4	Soil Boring	09/18/2012 16:00	TAL Metals	
SB-24 4-8	Soil Boring	09/18/2012 16:00	TAL Metals	
SB-25 0-4	Soil Boring	09/18/2012 15:45	TAL Metals	
SB-25 4-8	Soil Boring	09/18/2012 15:45	TAL Metals	MS/MSD
SB-25 8-12	Soil Boring	09/18/2012 15:45	TAL Metals	
DUP 1	Soil Boring	09/18/2012 08:35	TAL Metals	MS/MSD, Duplicate of SB-10 0-4
DUP 2	Soil Boring	09/18/2012 09:05	TAL Metals	Duplicate of SB-11 8-12
DUP 3	Soil Boring	09/18/2012 14:40	TAL Metals	Duplicate of SB-21 0-4
SS-1	Surface Soil	09/19/2012 09:20	TAL Metals	
SS-2	Surface Soil	09/19/2012 09:25	TAL Metals	
TCLP-1	TCLP	09/18/2012 09:20	TCLP Metals	
January 2013				
SS-1_01/21/2013	Surface Soil	01/21/2013 10:15	TCLP w/ HEX	
SS-2_01/21/2013	Surface Soil	01/21/2013 10:25	TCLP w/ HEX	
SS-3_01/21/2013	Surface Soil	01/21/2013 10:40	TCLP w/ HEX	
SS-4_01/21/2013	Surface Soil	01/21/2013 11:00	TCLP w/ HEX	
SS-5_01/21/2013	Surface Soil	01/21/2013 11:10	TCLP w/ HEX	
SS-6_01/21/2013	Surface Soil	01/21/2013 11:20	TCLP w/ HEX	
SS-7_01/21/2013	Surface Soil	01/21/2013 11:35	TCLP w/ HEX	
SS-8_01/21/2013	Surface Soil	01/21/2013 11:50	TCLP w/ HEX	
FD-01_01/21/2013	Surface Soil	01/21/2013 11:55	TCLP w/ HEX	MS/MSD, Duplicate of SS-8_01/21/2013
July 2014				
SB-01-10-070714	Subsurface Soil	7/7/2014	TAL Metals, HEX, CN, SVOCs	
SB-02-10-070714	Subsurface Soil	7/7/2014	TAL Metals, HEX, CN, SVOCs	
SB-03-10-070714	Subsurface Soil	7/7/2014	TAL Metals, HEX, CN, SVOCs	
SB-04-10-070714	Subsurface Soil	7/7/2014	TAL Metals, HEX, CN, SVOCs	
SB-05-10-070714	Subsurface Soil	7/7/2014	TAL Metals, HEX, CN, SVOCs	
SB-06-10-070714	Subsurface Soil	7/7/2014	TAL Metals, HEX, CN, SVOCs	
SB-07-03-070714	Subsurface Soil	7/7/2014	TAL Metals, HEX, CN, SVOCs	
SB-07-10-070714	Subsurface Soil	7/7/2014	TAL Metals, HEX, CN, SVOCs	
SB-08-04-070714	Subsurface Soil	7/7/2014	TAL Metals, HEX, CN, SVOCs	
SB-09-04-070814A	Subsurface Soil	7/8/2014	TAL Metals, HEX, CN, SVOCs	

Table 1-1
Buffalo Lakeside Commerce Park
Summary of Sampling

Sample Name	Sample Matrix	Sample Date and Time	Analysis	Remark
SB-10-10-070814A	Subsurface Soil	7/8/2014	TAL Metals, HEX, CN, SVOCs	
SB-11-10-070814A	Subsurface Soil	7/8/2014	TAL Metals, HEX, CN, SVOCs	
SB-12-10-070814	Subsurface Soil	7/8/2014	TAL Metals, HEX, CN, SVOCs	
SB-13-08-070814	Subsurface Soil	7/8/2014	TAL Metals, HEX, CN, SVOCs	
SB-14-10-070814	Subsurface Soil	7/8/2014	TAL Metals, HEX, CN, SVOCs	
SB-15-08-070814	Subsurface Soil	7/8/2014	TAL Metals, HEX, CN, SVOCs	
SB-16-10-070814	Subsurface Soil	7/8/2014	TAL Metals, HEX, CN, SVOCs	
FD-01-070714	Subsurface Soil	7/7/2014	TAL Metals, HEX, CN, SVOCs	Duplicate of SB-06-10-070714
FD-02-070814A	Subsurface Soil	7/8/2014	TAL Metals, HEX, CN, SVOCs	Duplicate of SB-11-10-070814A
SS-01-070914	Surface Soil	07/09/2014 13:05	TAL Metals, HEX, CN, SVOCs	
SS-02-070914	Surface Soil	07/09/2014 13:15	TAL Metals, HEX, CN, SVOCs	
SS-03-070914	Surface Soil	07/09/2014 13:23	TAL Metals, HEX, CN, SVOCs	
SS-FD-01-070914	Surface Soil	07/09/2014 13:30	TAL Metals, HEX, CN, SVOCs	Duplicate of SS-04-070914
SS-04-070914	Surface Soil	07/09/2014 13:30	TAL Metals, HEX, CN, SVOCs	
SS-05-070914	Surface Soil	07/09/2014 13:40	TAL Metals, HEX, CN, SVOCs	
SS-06-070914	Surface Soil	07/09/2014 13:45	TAL Metals, HEX, CN, SVOCs	
SS-07-070914	Surface Soil	07/09/2014 13:55	TAL Metals, HEX, CN, SVOCs	
SS-08-070914	Surface Soil	07/09/2014 14:00	TAL Metals, HEX, CN, SVOCs	
SS-09-070914	Surface Soil	07/09/2014 14:10	TAL Metals, HEX, CN, SVOCs	
SS-FD-02-070914	Surface Soil	07/09/2014 14:55	TAL Metals, HEX, CN, SVOCs	MS/MSD, Duplicate of SS-10-070914
SS-10-070914	Surface Soil	07/09/2014 14:55	TAL Metals, HEX, CN, SVOCs	
SS-11-071014	Surface Soil	07/10/2014 08:00	TAL Metals, HEX, CN, SVOCs	MS/MSD
SS-12-071014	Surface Soil	07/10/2014 08:10	TAL Metals, HEX, CN, SVOCs	
SS-13-071014	Surface Soil	07/10/2014 08:16	TAL Metals, HEX, CN, SVOCs	
SS-14-071014	Surface Soil	07/10/2014 08:25	TAL Metals, HEX, CN, SVOCs	
SS-15-071014	Surface Soil	07/10/2014 08:30	TAL Metals, HEX, CN, SVOCs	
SS-16-071014	Surface Soil	07/10/2014 09:25	TAL Metals, HEX, CN, SVOCs	
SS-17-071014	Surface Soil	07/10/2014 09:37	TAL Metals, HEX, CN, SVOCs	
SS-18-071014	Surface Soil	07/10/2014 09:50	TAL Metals, HEX, CN, SVOCs	
SS-19-071014	Surface Soil	07/10/2014 10:00	TAL Metals, HEX, CN, SVOCs	
SS-20-071014	Surface Soil	07/10/2014 10:15	TAL Metals, HEX, CN, SVOCs	
SS-21-071014	Surface Soil	07/10/2014 12:05	TAL Metals, HEX, CN, SVOCs	
SS-22-071014	Surface Soil	07/10/2014 12:15	TAL Metals, HEX, CN, SVOCs	
SS-23-071014	Surface Soil	07/10/2014 12:20	TAL Metals, HEX, CN, SVOCs	MS/MSD
SS-FD-03-071014	Surface Soil	07/10/2014 12:30	TAL Metals, HEX, CN, SVOCs	Duplicate of SS-24-071014
SS-24-071014	Surface Soil	07/10/2014 12:30	TAL Metals, HEX, CN, SVOCs	
SS-25-071014	Surface Soil	07/10/2014 12:50	TAL Metals, HEX, CN, SVOCs	
SS-26-071014	Surface Soil	07/10/2014 12:55	TAL Metals, HEX, CN, SVOCs	
SS-27-071014	Surface Soil	07/10/2014 13:28	TAL Metals, HEX, CN, SVOCs	
SS-28-071014	Surface Soil	07/10/2014 13:35	TAL Metals, HEX, CN, SVOCs	
SS-29-071014	Surface Soil	07/10/2014 13:50	TAL Metals, HEX, CN, SVOCs	
SS-30-071014	Surface Soil	07/10/2014 13:58	TAL Metals, HEX, CN, SVOCs	
SS-31-071014	Surface Soil	07/10/2014 14:02	TAL Metals, HEX, CN, SVOCs	
SS-32-071014	Surface Soil	07/10/2014 14:12	TAL Metals, HEX, CN, SVOCs	
SS-33-071114	Surface Soil	07/11/2014 08:00	TAL Metals, HEX, CN, SVOCs	
SS-34-071114	Surface Soil	07/11/2014 08:10	TAL Metals, HEX, CN, SVOCs	
SS-35-071114	Surface Soil	07/11/2014 08:15	TAL Metals, HEX, CN, SVOCs	
SS-36-071114	Surface Soil	07/11/2014 08:22	TAL Metals, HEX, CN, SVOCs	
SS-FD-04-071114	Surface Soil	07/11/2014 08:27	TAL Metals, HEX, CN, SVOCs	Duplicate of SS-37-071114
SS-37-071114	Surface Soil	07/11/2014 08:27	TAL Metals, HEX, CN, SVOCs	
SS-38-071114	Surface Soil	07/11/2014 08:45	TAL Metals, HEX, CN, SVOCs	
SS-39-071114	Surface Soil	07/11/2014 08:52	TAL Metals, HEX, CN, SVOCs	
SS-40-071114	Surface Soil	07/11/2014 09:00	TAL Metals, HEX, CN, SVOCs	MS/MSD
SS-41-071114	Surface Soil	07/11/2014 09:10	TAL Metals, HEX, CN, SVOCs	MS/MSD
SS-42-071114	Surface Soil	07/11/2014 09:20	TAL Metals, HEX, CN, SVOCs	
SS-FD-05-071114	Surface Soil	07/11/2014 09:27	TAL Metals, HEX, CN, SVOCs	Duplicate of SS-43-071114
SS-43-071114	Surface Soil	07/11/2014 09:27	TAL Metals, HEX, CN, SVOCs	
SS-44-071114	Surface Soil	07/11/2014 09:34	TAL Metals, HEX, CN, SVOCs	
SS-45-071114	Surface Soil	07/11/2014 09:40	TAL Metals, HEX, CN, SVOCs	
SS-46-071414	Surface Soil	07/14/2014 11:40	TAL Metals, HEX, CN, SVOCs	
SS-FD-06-071414	Surface Soil	07/14/2014 11:50	TAL Metals, HEX, CN, SVOCs	Duplicate of SS-47-071414
SS-47-071414	Surface Soil	07/14/2014 11:50	TAL Metals, HEX, CN, SVOCs	
SS-48-071414	Surface Soil	07/14/2014 12:05	TAL Metals, HEX, CN, SVOCs	
SS-49-071414	Surface Soil	07/14/2014 12:15	TAL Metals, HEX, CN, SVOCs	
SS-50-071414	Surface Soil	07/14/2014 12:22	TAL Metals, HEX, CN, SVOCs	
SS-51-071414	Surface Soil	07/14/2014 12:30	TAL Metals, HEX, CN, SVOCs	MS/MSD
GW-TP-01-071014	Temporary Well	7/10/2014	TAL Metals, HEX, CN, SVOCs	
GW-TP-02-071014	Temporary Well	7/10/2014	TAL Metals, HEX, CN, SVOCs	
GW-TP-03-071014	Temporary Well	7/10/2014	TAL Metals, HEX, CN, SVOCs	
GW-TP-05-071514	Temporary Well	7/15/2014	TAL Metals, HEX, CN, SVOCs	
GW-TP-06-071514	Temporary Well	7/15/2014	TAL Metals, HEX, CN, SVOCs	
GW-TP-07-071514	Temporary Well	7/15/2014	TAL Metals, HEX, CN, SVOCs	
GW-TP-08-071114	Temporary Well	7/11/2014	TAL Metals, HEX, CN, SVOCs	
GW-DUP-01-071114	Temporary Well	7/11/2014	TAL Metals, HEX, CN, SVOCs	
GW-TP-09-071414	Temporary Well	7/14/2014	TAL Metals, HEX, CN, SVOCs	
GW-FD-02-071414	Temporary Well	7/14/2014	TAL Metals, HEX, CN, SVOCs	
GW-TP-10-071414	Temporary Well	7/14/2014	TAL Metals, HEX, CN, SVOCs	
GW-TP-11-071414	Temporary Well	7/14/2014	TAL Metals, HEX, CN, SVOCs	
GW-TP-12-071514	Temporary Well	7/15/2014	TAL Metals, HEX, CN, SVOCs	
FB-01-071014	Temporary Well	7/10/2014	TAL Metals, HEX, CN, SVOCs	Field Blank
FB-01-071114	Temporary Well	7/11/2014	TAL Metals, HEX, CN, SVOCs	Field Blank
FB-03-071414	Temporary Well	7/14/2014	TAL Metals, HEX, CN, SVOCs	Field Blank
FB-04-071514	Temporary Well	7/15/2014	TAL Metals, HEX, CN, SVOCs	Field Blank
RB-01-070814	Temporary Well	7/8/2014	TAL Metals, HEX, CN, SVOCs	Rinsate Blank

Table 1-1
Buffalo Lakeside Commerce Park
Summary of Sampling

Sample Name	Sample Matrix	Sample Date and Time	Analysis	Remark
August 2014				
WG-TP-01-082614	Temporary Well	08/26/2014 10:15	TAL Metals, HEX, CN, SVOCs	
WG-TP-02-082514	Temporary Well	08/25/2014 16:15	TAL Metals, HEX, CN, SVOCs	MS/MSD
WG-TP-03-082614	Temporary Well	08/26/2014 15:59	TAL Metals, HEX, CN, SVOCs	
WG-TP-04-082614	Temporary Well	08/26/2014 16:20	TAL Metals, HEX, CN, SVOCs	
WG-TP-05-082714	Temporary Well	08/27/2014 09:43	TAL Metals, HEX, CN, SVOCs	
WG-TP-06-082714	Temporary Well	08/27/2014 09:40	TAL Metals, HEX, CN, SVOCs	
WG-TP-07-082614	Temporary Well	08/26/2014 14:25	TAL Metals, HEX, CN, SVOCs	
WG-TP-08-082514	Temporary Well	08/25/2014 15:10	TAL Metals, HEX, CN, SVOCs	
WG-TP-09-082614	Temporary Well	08/26/2014 12:00	TAL Metals, HEX, CN, SVOCs	
WG-TP-10-082614	Temporary Well	08/26/2014 10:25	TAL Metals, HEX, CN, SVOCs	
WG-TP-11-082614	Temporary Well	08/26/2014 11:35	TAL Metals, HEX, CN, SVOCs	
WG-TP-12-082614	Temporary Well	08/26/2014 14:28	TAL Metals, HEX, CN, SVOCs	
WG-TP-DUP1-082514	Temporary Well	08/25/2014 15:10	TAL Metals, HEX, CN, SVOCs	Duplicate of WG-TP-08-082514
WG-TP-FB01-082514	Temporary Well	08/25/2014 14:15	TAL Metals, HEX, CN, SVOCs	Field Blank
September 2014				
TP-06-U-20140918	Temporary Well	9/18/2014	CN, WAD CN, Amenable CN, PAC CN	
TP-06-F-20140918	Temporary Well	9/18/2014	CN, WAD CN, Amenable CN, PAC CN	
TP-08-U-20140918	Temporary Well	9/18/2014	CN, WAD CN, Amenable CN, PAC CN	
TP-08-F-20140918	Temporary Well	9/18/2014	CN, WAD CN, Amenable CN, PAC CN	
TP-10-U-20140918	Temporary Well	9/18/2014	CN, WAD CN, Amenable CN, PAC CN	
TP-10-F-20140918	Temporary Well	9/18/2014	CN, WAD CN, Amenable CN, PAC CN	
TP-11-U-20140918	Temporary Well	9/18/2014	CN, WAD CN, Amenable CN, PAC CN	
TP-11-F-20140918	Temporary Well	9/18/2014	CN, WAD CN, Amenable CN, PAC CN	
BASIN-U-1-20140917	Surface Water	9/17/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
BASIN-F-1-20140917	Surface Water	9/17/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
BASIN-U-2-20140917	Surface Water	9/17/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
BASIN-F-2-20140917	Surface Water	9/17/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
BASIN-F-DUP-20140917	Surface Water	9/17/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	Duplicate of BASIN-F-2-20140917
BASIN-U-3-20140917	Surface Water	9/17/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
BASIN-F-3-20140917	Surface Water	9/17/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
BASIN-U-DUP-20140917	Surface Water	9/17/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	Duplicate of BASIN-U-3-20140917
CB-1-U-20140919	Surface Water	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
CB-1-F-20140919	Surface Water	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
CB-2-U-20140919	Surface Water	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
CB-2-F-20140919	Surface Water	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
CB-3-U-20140919	Surface Water	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
CB-3-F-20140919	Surface Water	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
CB-4-U-20140919	Surface Water	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
CB-4-F-20140919	Surface Water	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
OUTFALL-U-20140919	Surface Water	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
OUTFALL-F-20140919	Surface Water	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
BASIN-1-SED-20140918	Sediment	9/18/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, SVOCs	
BASIN-2-SED-20140918	Sediment	9/18/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
BASIN-3-SED-20140918	Sediment	9/18/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
BASIN-DUP-SED-20140918	Sediment	9/18/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	Duplicate of BASIN-3-SED-20140918
CB-2-SED-20140919	Sediment	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
CB-1-SED-20140919	Sediment	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
OUTFALL_SED-20140919	Sediment	9/19/2014	TAL metals, CN, WAD CN, Amenable CN, PAC CN, phenols	
November 2014				
SE-CB01-1114	Sediment	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SO-06-1114-0-4	Soil Boring	11/10/2014	TAL Metals, HEX, CN, SVOCs	
SO-06-1114-12-16	Soil Boring	11/10/2014	TAL Metals, HEX, CN, SVOCs	
SO-06-1114-16-20	Soil Boring	11/10/2014	TAL Metals, HEX, CN, SVOCs	
SO-06-1114-4-8	Soil Boring	11/10/2014	TAL Metals, HEX, CN, SVOCs	
SO-06-1114-8-12	Soil Boring	11/10/2014	TAL Metals, HEX, CN, SVOCs	MS/MSD
SO-07-1114-0-4	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SO-07-1114-12-16	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	MS/MSD
SO-07-1114-16-20	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SO-07-1114-4-8	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	MS/MSD
SO-07-1114-8-12	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SO-08-1114-0-4	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SO-08-1114-12-16	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SO-08-1114-16-20	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SO-08-1114-4-8	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SO-08-1114-8-12	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SO-09-1114-0-4	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SO-09-1114-12-16	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SO-09-1114-4-8	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SO-09-1114-8-12	Soil Boring	11/11/2014	TAL Metals, HEX, CN, SVOCs	
SW-CB01-1114-F	Surface Water	11/10/2014	TAL Metals, HEX, CN, SVOCs	
SW-CB01-1114-U	Surface Water	11/10/2014	TAL Metals, HEX, CN, SVOCs	MS/MSD
SB-01-1114-0-4-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-01-1114-4-8-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-01-1114-8-12-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-01-1114-12-16-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-01-1114-16-20-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-02-1114-0-4-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-02-1114-4-8-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-02-1114-8-12-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-02-1114-12-16-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-02-1114-16-20-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-03-1114-0-4-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-03-1114-4-8-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-04-1114-0-4-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-04-1114-4-8-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-04-1114-8-12-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-05-1114-0-4-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	

Table 1-1
Buffalo Lakeside Commerce Park
Summary of Sampling

Sample Name	Sample Matrix	Sample Date and Time	Analysis	Remark
SB-05-1114-4-8-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-05-1114-8-12-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-05-1114-12-16-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-05-1114-16-20-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-06-1114-0-4-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-06-1114-4-8-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-06-1114-8-12-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-06-1114-12-16-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-06-1114-16-20-20141110	Subsurface Soil	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-07-1114-0-4-20141110	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-07-1114-4-8-20141110	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-07-1114-8-12-20141110	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-07-1114-12-16-20141110	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-07-1114-16-20-20141110	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-08-1114-0-4-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-08-1114-4-8-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-08-1114-8-12-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-08-1114-12-16-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-08-1114-16-20-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-09-1114-0-4-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-09-1114-4-8-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-09-1114-8-12-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-09-1114-12-16-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-09-1114-16-20-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-10-1114-0-4-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SO-BD-01-1114-0-4-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	Duplicate of SB-10-1114-4-8-20141111
SB-10-1114-4-8-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-10-1114-8-12-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-10-1114-12-16-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SB-10-1114-16-20-20141111	Subsurface Soil	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SS-01-1114-20141113	Surface Soil	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SS-02-1114-20141113	Surface Soil	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SS-03-1114-20141113	Surface Soil	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SS-04-1114-20141113	Surface Soil	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SS-05-1114-20141113	Surface Soil	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SS-06-1114-20141113	Surface Soil	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SS-07-1114-20141113	Surface Soil	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SS-08-1114-20141113	Surface Soil	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SS-09-1114-20141113	Surface Soil	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SS-10-1114-20141113	Surface Soil	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB12-1114-U-20141112	Surface Water	11/12/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB12-1114-F-20141112	Surface Water	11/12/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB-13-1114-U-20141112	Surface Water	11/12/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB-13-1114-F-20141112	Surface Water	11/12/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB-18-1114-U-20141113	Surface Water	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB-18-1114-F-20141113	Surface Water	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB-17-1114-U-20141113	Surface Water	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB-17-1114-F-20141113	Surface Water	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB16-1114-U-20141117	Surface Water	11/17/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB16-1114-F-20141117	Surface Water	11/17/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB15-1114-U-20141117	Surface Water	11/17/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB15-1114-F-20141117	Surface Water	11/17/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB01-1114-U-20141110	Surface Water	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB01-1114-F-20141110	Surface Water	11/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB02-1114-U-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB03-1114-U-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-BD01-1114-U-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	Duplicate of SW-CB03-1114-U-20141111
SW-CB03-1114-F-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SO-CB04-1114-U-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SO-CB04-1114-F-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SO-CB05-1114-U-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SO-CB05-1114-F-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB06-1114-U-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB06-1114-F-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB07-1114-U-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB07-1114-F-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB08-1114-U-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB08-1114-F-20141111	Surface Water	11/11/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB10-1114-U-20141112	Surface Water	11/12/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB10-1114-F-20141112	Surface Water	11/12/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB11-1114-U-20141112	Surface Water	11/12/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB11-1114-F-20141112	Surface Water	11/12/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB-19-1114-U-20141113	Surface Water	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB-19-1114-F-20141113	Surface Water	11/13/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB20-1114-U-20141117	Surface Water	11/17/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SW-CB20-1114-F-20141117	Surface Water	11/17/2014	TAL metals, CN, Free CN, available CN, SVOCs	
BASIN-1-SED-20141114	Sediment	11/14/2014	TAL metals, CN, Amenable CN, Free CN, PAC CN, SVOCs	
BASIN-2-SED-20141114	Sediment	11/14/2014	TAL metals, CN, Amenable CN, Free CN, PAC CN, SVOCs	
BASIN-3-SED-20141114	Sediment	11/14/2014	TAL metals, CN, Amenable CN, Free CN, PAC CN, SVOCs	
SE-CB15-1114-20141117	Sediment	11/17/2014	TAL metals, CN, Amenable CN, Free CN, PAC CN, SVOCs	
SE-CB01-1114-20141111	Sediment	11/11/2014	TAL metals, CN, Amenable CN, Free CN, PAC CN, SVOCs	
OUTFALL_SED-20141114	Sediment	11/14/2014	TAL metals, CN, Amenable CN, Free CN, PAC CN, SVOCs	
GW-TP09-1114-U-20141117	Temporary Well	11/17/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP09-1114-F-20141117	Temporary Well	11/17/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP10-1114-U-20141117	Temporary Well	11/17/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP10-1114-F-20141117	Temporary Well	11/17/2014	TAL metals, CN, Free CN, available CN, SVOCs	
December 2014				
GW-TP1-1214-U-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	

Table 1-1
Buffalo Lakeside Commerce Park
Summary of Sampling

Sample Name	Sample Matrix	Sample Date and Time	Analysis	Remark
GW-TP1-1214-F-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP2-1214-U-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP2-1214-F-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP3-1214-U-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP3-1214-F-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP4-1214-U-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP4-1214-F-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP5-1214-U-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP5-1214-F-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP6-1214-U-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP6-1214-F-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
DUP-1-U-1214-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	Duplicate of GW-TP6-1214-U-20141209
GW-TP7-1214-U-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP7-1214-F-20141209	Temporary Well	12/9/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP8-1214-U-20141208	Temporary Well	12/8/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP8-1214-F-20141208	Temporary Well	12/8/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP11-1214-U-20141208	Temporary Well	12/8/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP11-1214-F-20141208	Temporary Well	12/8/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP12-1214-U-20141210	Temporary Well	12/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
GW-TP12-1214-F-20141210	Temporary Well	12/10/2014	TAL metals, CN, Free CN, available CN, SVOCs	
SED-CB21-1214-20141210	Sediment	12/10/2014	TAL metals, CN, Amenable CN, Free CN, PAC CN, SVOCs	
SED-CB22-1214-20141210	Sediment	12/10/2014	TAL metals, CN, Amenable CN, Free CN, PAC CN, SVOCs	
SED-CB23-1214-20141210	Sediment	12/10/2014	TAL metals, CN, Amenable CN, Free CN, PAC CN, SVOCs	
SED-CB24-1214-20141210	Sediment	12/10/2014	TAL metals, CN, Amenable CN, Free CN, PAC CN, SVOCs	
May 2015				
SB-52-0-4-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-52-4-8-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-52-8-12-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-52-12-16-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-52-16-20-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-53-0-4-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-53A-4-8-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-54-0-4-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-55-0-4-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-55-4-8-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-55-8-12-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-56-0-4-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-56-4-8-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-56-8-12-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-56-12-16-052615	Subsurface Soil	5/26/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-57-0-4-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-57-4-8-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-57-8-12-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-57-12-16-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-57-16-20-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-58-0-4-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-58-4-8-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-58-8-12-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-58-12-16-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-58-16-20-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-59-0-4-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-59A-8-12-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-59A-12-16-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-59A-16-20-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-60-0-4-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-61-0-4-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-61-4-7-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-61A-0-4-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-61A-4-8-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-61A-8-12-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-61A-12-16-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-61A-16-20-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-62-4-8-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-62-8-12-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-62-12-16-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-62-16-20-052715	Subsurface Soil	5/27/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-63-0-4-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-63-4-8-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-63-8-12-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-63-12-16-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-63-16-20-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-64-0-4-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-64A-0-4-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-64A-4-8-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-64A-8-12-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-64A-12-16-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-64A-16-20-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-64A-16-20-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-65-0-4-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-65-4-8-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-65-8-12-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-65-12-16-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-65-16-20-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-66-0-4-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-66-4-8-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-66-8-12-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-66-12-16-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-66-16-20-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	

Sample Name	Sample Matrix	Sample Date and Time	Analysis	Remark
SB-67-0-4-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-67-4-8-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-67-8-12-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-67-12-16-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-67-16-20-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-68-0-4-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-68-4-8-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-68-8-12-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-68-12-16-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-68-16-20-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-69-0-4-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-69-4-8-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-69-8-12-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-69-12-16-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-69-16-20-052815	Subsurface Soil	5/28/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-70-0-4-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-70-4-8-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-70-8-12-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-70-12-16-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-70-16-20-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-71-0-4-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-71-4-8-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-71-8-12-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-71-12-16-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-71-16-20-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-72-0-4-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-72-4-8-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-72-8-12-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-73-0-4-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-73-4-8-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
SB-73-8-12-052915	Subsurface Soil	5/29/2015	TAL metals, CN, Free CN, available CN, SVOCs	
CB-12-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-12-F-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-18-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-18-F-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-19-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-19-F-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-20-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-20-F-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-21-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-21-F-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-22-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-22-F-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-23-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-23-F-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-24-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-24-F-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-25-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-25-F-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-26-052915	Surface Water	5/29/2015	TAL metals, CN, phenols	
CB-26-F-052915	Surface Water	5/29/2015	TAL metals, CN, phenols	
CB-27-052915	Surface Water	5/29/2015	TAL metals, CN, phenols	
CB-27-F-052915	Surface Water	5/29/2015	TAL metals, CN, phenols	
CB-28-052915	Surface Water	5/29/2015	TAL metals, CN, phenols	
CB-28-F-052915	Surface Water	5/29/2015	TAL metals, CN, phenols	
CB-29-052915	Surface Water	5/29/2015	TAL metals, CN, phenols	
CB-29-F-052915	Surface Water	5/29/2015	TAL metals, CN, phenols	
CB-DUP-01-052815	Surface Water	5/28/2015	TAL metals, CN, phenols	
CB-DUP-02-052915	Surface Water	5/29/2015	TAL metals, CN, phenols	
August 2015				
SB-83-0-12-082515	Subsurface Soil	8/25/2015	TENORM	
SB-84-0-10-082515	Subsurface Soil	8/25/2015	TENORM	
SB-85-0-10-082615	Subsurface Soil	8/26/2015	TENORM	
SB-85-0-10-082615LR	Subsurface Soil	8/26/2015	TENORM	
SB-86-0-8-082715	Subsurface Soil	8/27/2015	TENORM	
SB-88-0-8-082515	Subsurface Soil	8/25/2015	TENORM	
SB-89-0-12-082615	Subsurface Soil	8/26/2015	TENORM	
SB-90-0-10-082615	Subsurface Soil	8/26/2015	TENORM	
SB-91-0-10-082615	Subsurface Soil	8/26/2015	TENORM	
SB-92-0-10-082615	Subsurface Soil	8/26/2015	TENORM	
SB-93-0-10-082615	Subsurface Soil	8/26/2015	TENORM	
SB-94-0-10-082715	Subsurface Soil	8/27/2015	TENORM	
SB-95-0-10-082715	Subsurface Soil	8/27/2015	TENORM	
SB-96-0-10-082715	Subsurface Soil	8/27/2015	TENORM	
SB-97-0-10-082615	Subsurface Soil	8/26/2015	TENORM	
SB-98-0-10-082615	Subsurface Soil	8/26/2015	TENORM	
October 2015				
SB-74-0-4-20151012	Subsurface Soil	10/12/2015	TAL metals, CN, Free CN, SVOCs	
SB-74-4-8-20151012	Subsurface Soil	10/12/2015	TAL metals, CN, Free CN, SVOCs	
SB-74-8-12-20151012	Subsurface Soil	10/12/2015	TAL metals, CN, Free CN, SVOCs	
SB-DUP-1(SB-74-8-12)	Subsurface Soil	10/12/2015	TAL metals, CN, Free CN, SVOCs	Field duplicate of SB-74-8-12-20151012
SB-74-12-16-20151012	Subsurface Soil	1/1/2016	TAL metals, CN, Free CN, SVOCs	
SB-74-16-20-20151012	Subsurface Soil	10/12/2015	TAL metals, CN, Free CN, SVOCs	
SB-75-0-4-20151012	Subsurface Soil	10/12/2015	TAL metals, CN, Free CN, SVOCs	
SB-75-4-8-20151012	Subsurface Soil	10/12/2015	TAL metals, CN, Free CN, SVOCs	
SB-75-8-12-20151012	Subsurface Soil	10/12/2015	TAL metals, CN, Free CN, SVOCs	
SB-75-12-16-20151012	Subsurface Soil	10/12/2015	TAL metals, CN, Free CN, SVOCs	
SB-75-16-20-20151012	Subsurface Soil	10/12/2015	TAL metals, CN, Free CN, SVOCs	

Table 1-1
Buffalo Lakeside Commerce Park
Summary of Sampling

Sample Name	Sample Matrix	Sample Date and Time	Analysis	Remark
SB-76-0-4-20151013	Subsurface Soil	10/13/2015	TAL metals, CN, Free CN, SVOCs	
SB-76-4-8-20151013	Subsurface Soil	10/13/2015	TAL metals, CN, Free CN, SVOCs	
SB-76-8-12-20151013	Subsurface Soil	10/13/2015	TAL metals, CN, Free CN, SVOCs	
SB-76-12-16-20151013	Subsurface Soil	10/13/2015	TAL metals, CN, Free CN, SVOCs	
SB-76-16-20-20151013	Subsurface Soil	10/13/2015	TAL metals, CN, Free CN, SVOCs	
SS-72-101315	Surface Soil	10/13/2015	pH, TAL metals	
SS-73-101315	Surface Soil	10/13/2015	pH, TAL metals	
SS-74-101315	Surface Soil	10/13/2015	pH, TAL metals	
SS-75-101315	Surface Soil	10/13/2015	pH, TAL metals	
SS-76-101315	Surface Soil	10/13/2015	pH, TAL metals	
SS-77-101315	Surface Soil	10/13/2015	pH, TAL metals	
TP-02-101415	Groundwater	10/14/2015	TAL metals, CN, Free CN, SVOCs	
TP-02-F-101415	Groundwater	10/14/2015	TAL metals, CN, Free CN, SVOCs	
TP-03-101415	Groundwater	10/14/2015	TAL metals, CN, Free CN, SVOCs	
TP-03-F-101415	Groundwater	10/14/2015	TAL metals, CN, Free CN, SVOCs	
TP-04-101415	Groundwater	10/14/2015	TAL metals, CN, Free CN, SVOCs	
TP-04-F-101415	Groundwater	10/14/2015	TAL metals, CN, Free CN, SVOCs	
TP-05-101515	Groundwater	10/15/2015	TAL metals, CN, Free CN, SVOCs	
TP-DUP-01-101515	Groundwater	10/15/2015	TAL metals, CN, Free CN, SVOCs	Field duplicate of TP-05-101515
TP-05-F-1015415	Groundwater	10/15/2015	TAL metals, CN, Free CN, SVOCs	
TP-06-101515	Groundwater	10/15/2015	TAL metals, CN, Free CN, SVOCs	
TP-06-F-1015415	Groundwater	10/15/2015	TAL metals, CN, Free CN, SVOCs	
TP-08-102015	Groundwater	10/20/2015	TAL metals, CN, Free CN, SVOCs	
TP-08-F-102015	Groundwater	10/20/2015	TAL metals, CN, Free CN, SVOCs	
TP-09-102015	Groundwater	10/20/2015	TAL metals, CN, Free CN, SVOCs	
TP-09-F-102015	Groundwater	10/20/2015	TAL metals, CN, Free CN, SVOCs	
TP-10-102015	Groundwater	10/20/2015	TAL metals, CN, Free CN, SVOCs	
TP-10-F-102015	Groundwater	10/20/2015	TAL metals, CN, Free CN, SVOCs	
TP-11-101915	Groundwater	10/19/2015	TAL metals, CN, Free CN, SVOCs	
TP-11-F-101915	Groundwater	10/19/2015	TAL metals, CN, Free CN, SVOCs	
TP-DUP-02-101915	Groundwater	10/19/2015	TAL metals, CN, Free CN, SVOCs	Field duplicate of TP-11-F-101915
TP-13-101915	Groundwater	10/19/2015	TAL metals, CN, Free CN, SVOCs	
TP-13-F-101915	Groundwater	10/19/2015	TAL metals, CN, Free CN, SVOCs	
TP-14-101515	Groundwater	10/15/2015	TAL metals, CN, Free CN, SVOCs	
TP-14-F-101515	Groundwater	10/15/2015	TAL metals, CN, Free CN, SVOCs	
TP-15-101915	Groundwater	10/19/2015	TAL metals, CN, Free CN, SVOCs	
TP-15-F-101915	Groundwater	10/19/2015	TAL metals, CN, Free CN, SVOCs	
MW-404-102015	Groundwater	10/20/2015	TAL metals, CN, Free CN, SVOCs	
MW-404-F-102015	Groundwater	10/20/2015	TAL metals, CN, Free CN, SVOCs	
MW-405-102015	Groundwater	10/20/2015	TAL metals, CN, Free CN, SVOCs	
MW-405-F-102015	Groundwater	10/20/2015	TAL metals, CN, Free CN, SVOCs	
MW-UNK-102215	Groundwater	10/22/2015	TAL metals, CN, Free CN, SVOCs	
MW-UNK-F-102215	Groundwater	10/22/2015	TAL metals, CN, Free CN, SVOCs	
CB-01-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-01-F-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-02-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-02-F-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-DUP-03-102215	Surface Water	10/22/2015	TAL metals, Phenols	Field duplicate of CB-02-102215
CB-03-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-03-F-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-04-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-04-F-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-05-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-05-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-06-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-06-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-07-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-07-F-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-08-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-08-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-09-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-09-F-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-10-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-10-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-11-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-11-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-12-101615	Surface Water	10/16/2015	TAL metals, Phenols	
CB-12-F-101615	Surface Water	10/16/2015	TAL metals, Phenols	
CB-DUP-01-101615	Surface Water	10/16/2015	TAL metals, Phenols	Field duplicate of CB-12-101615
CB-14-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-14-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-16-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-16-F-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-18-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-18-F-102215	Surface Water	10/21/2015	TAL metals, Phenols	
CB-19-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-19-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-20-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-20-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-21-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-21-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-22-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-22-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-23-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-23-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-DUP-02-102115	Surface Water	10/21/2015	TAL metals, Phenols	Field duplicate of CB-23-F-102115
CB-24-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-24-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	

Table 1-1
Buffalo Lakeside Commerce Park
Summary of Sampling

Sample Name	Sample Matrix	Sample Date and Time	Analysis	Remark
CB-25-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-25-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-26-101615	Surface Water	10/16/2015	TAL metals, Phenols	
CB-26-F-101615	Surface Water	10/16/2015	TAL metals, Phenols	
CB-27-101615	Surface Water	10/16/2015	TAL metals, Phenols	
CB-27-F-101615	Surface Water	10/16/2015	TAL metals, Phenols	
CB-28-101615	Surface Water	10/16/2015	TAL metals, Phenols	
CB-28-F-101615	Surface Water	10/16/2015	TAL metals, Phenols	
CB-29-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-29-F-102115	Surface Water	10/21/2015	TAL metals, Phenols	
CB-30-102215	Surface Water	10/22/2015	TAL metals, Phenols	
CB-30-F-102115	Surface Water	10/22/2015	TAL metals, Phenols	
BASIN-1-102215	Surface Water	10/22/2015	TAL metals, Phenols	
BASIN-1-F-102215	Surface Water	10/22/2015	TAL metals, Phenols	
BASIN-2-102215	Surface Water	10/22/2015	TAL metals, Phenols	
BASIN-2-F-102215	Surface Water	10/22/2015	TAL metals, Phenols	
BASIN-3-102215	Surface Water	10/22/2015	TAL metals, Phenols	
BASIN-3-F-102215	Surface Water	10/22/2015	TAL metals, Phenols	
BASIN-DUP-04-102215	Surface Water	10/22/2015	TAL metals, Phenols	Field duplicate of BASIN-3-102215

Table 1-1
Buffalo Lakeside Commerce Park
Summary of Sampling

Sample ID Sample Location Sampling Date Sample Depth		SB-01 0-4 SB-01 9/17/2012 0-4 ft.		SB-01 4-8 SB-01 9/17/2012 4-8 ft.		SB-02 0-4 SB-02 9/17/2012 0-4 ft.		SB-02 4-8 SB-02 9/17/2012 4-8 ft.		SB-02 8-12 SB-02 9/17/2012 8-12 ft.		SB-03 0-4 SB-03 9/17/2012 0-4 ft.
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**
Inorganic Analytes (mg/kg)												
Aluminum	NA	10200	*	19700	*	12700	*	14200	*	15800	*	13700
Antimony	NA	2.6	N	0.51	BN	ND	U	ND	U	ND	U	ND
Arsenic	16	11.4		**20.5**		3		5.7		5.2		3.6
Barium	400	68.5	*	160	*	12.9	*	33.8	*	27.7	*	19.6
Beryllium	590	1.5	*	3.7	*	0.63	*	0.75	*	0.79	*	0.71
Cadmium	9.3	4.50	*	2.9	*	ND	U	ND	U	ND	U	ND
Calcium	NA	29500	*	110000	*	81900	*	60700	*	70700	*	86400
Chromium	NA	59		43.4		22.8		23.8		26.6		24.1
Cobalt	NA	9.5	*E	5.1	*E	14.7	*E	13.8	*E	21.8	*E	17.2
Copper	270	**277**		68.4		24.2		42.2		28.5		26.6
Iron	NA	106000		117000		27900		31200		34700		30500
Lead	1000	**1260**	*	120	*	17.8	*	21.1	*	27	*	20.4
Magnesium	NA	7180	*	23800	*	5930	*	8890	*	7200	*	6510
Manganese	10000	1770	*	3320	*	637	*	606	*	687	*	746
Nickel	310	64.3	*E	17.3	*E	46.3	*E	46.3	*E	58.3	*E	49.7
Potassium	NA	835	*	1820	*	1360	*	1720	*	1990	*	1940
Selenium	1500	ND	U	1.3	*B	1.7	*	2.3	*	2.4	*	2
Silver	1500	0.14	B	ND	U	ND	U	ND	U	ND	U	ND
Sodium	NA	153	*	394	*	122	*	155	*	151	*	132
Thallium	NA	ND	U	0.74	*B	ND	U	ND	U	ND	U	ND
Vanadium	NA	20.2	*	14.4	*	15.1	*	17	*	19.4	*	16.2
Zinc	10000	1250	*	1000	*E	38.6	*E	74.2	*E	58.6	*E	40.1
Hexavalent Chromium	400	NS		NS		NS		NS		NS		NS
Mercury	2.8	NS		NS		NS		NS		NS		NS

Key:

Highlighted cell indicate exceedance of NYSDEC Restricted Commercial Use Soil Cleanup Objective

* = Relative Percent difference for duplicate analysis is outside of control limits.
N = Matrix spike recovery falls outside of control limits.
U = Non-detect
B = Compound was detected in the method blank.
E = Estimated concentration due to interferences.

Table 3-1
Buffalo Lakeside Commerce Park
Subsurface Soil Sampling Results - September 2012

Sample ID Sample Location Sampling Date Sample Depth		SB-03 0-4 SB-03 9/17/2012 0-4 ft.	SB-03 4-8 SB-03 9/17/2012 4-8 ft.		SB-04 0-4 SB-04 9/17/2012 0-4 ft.		SB-04 4-8 SB-04 9/17/2012 4-8 ft.		SB-04 8-12 SB-04 9/17/2012 8-12 ft.		SB-05 0-4 SB-05 9/17/2012 0-4 ft.	
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**
Inorganic Analytes (mg/kg)												
Aluminum	NA	*	14200	*	13900	*	13500	*	22700	*	7070	*
Antimony	NA	U	ND	U	1	BN	1.7	N	ND	U	1.0	BN
Arsenic	16		4.6		10.9		7.8		7.5		8.9	
Barium	400	*	11.7	*	211	*	160	*	229	*	223	*
Beryllium	590	*	0.58	*	2.4	*	2.1	*	3.6	*	0.38	*
Cadmium	9.3	U	ND	U	2.1	*	4.5	*	1.4	*	0.81	*
Calcium	NA	*	70700	*	82700	*	57700	*	117000	*	70500	*
Chromium	NA		25.7		47.3		42.7		31.9		29.5	
Cobalt	NA	*E	17.7	*E	5.4	*E	12.1	*E	3	*E	6	*E
Copper	270		27.1		**314**		103		173		99.5	
Iron	NA		32700		81000		61600		67000		43900	
Lead	1000	*	22.9	*	262	*	517	*	359	*	387	*
Magnesium	NA	*	7360	*	16700	*	13100	*	19200	*	11500	*
Manganese	10000	*	479	*	3170	*	1770	*	3700	*	910	*
Nickel	310	*E	54.2	*E	25.4	*E	50.9	*E	18.9	*E	19.5	*E
Potassium	NA	*	2320	*	1760	*	2200	*	5820	*	1080	*
Selenium	1500	*	1.6	*	4.8	*	4.5	*	6.5	*	2.7	*
Silver	1500	U	ND	U	ND	U	ND	U	ND	U	0.13	B
Sodium	NA	*	132	*	461	*	687	*	736	*	318	*
Thallium	NA	U	ND	U	1.3	*	1.3	*	4.5	*	ND	U
Vanadium	NA	*	17.3	*	17.1	*	43.7	*	15.2	*	24.4	*
Zinc	10000	*	57.4	*E	598	*E	1050	*E	1090	*E	437	*E
Hexavalent Chromium	400		NS		NS		NS		NS		NS	
Mercury	2.8		NS		NS		NS		NS		NS	

Key:

Highlighted cell indicate exceedance of NYSDEC Restricted Commercial Use Soil Cleanup Objective

* = Relative Percent difference for duplicate analysis is outside of control limits.
N = Matrix spike recovery falls outside of control limits.
U = Non-detect
B = Compound was detected in the method blank.
E = Estimated concentration due to interferences.

Sample ID		SB-05 4-8		SB-06 0-4		SB-06 4-8		SB-07 0-4		SB-07 4-8		SB-08 0-4	
Sample Location		SB-05		SB-06		SB-06		SB-07		SB-07		SB-08	
Sampling Date		9/17/2012		9/17/2012		9/17/2012		9/17/2012		9/17/2012		9/17/2012	
Sample Depth		4-8 ft.		0-4 ft.		4-8 ft.		0-4 ft.		4-8 ft.		0-4 ft.	
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**
Inorganic Analytes (mg/kg)													
Aluminum	NA	11400	*	10700	*	7250	*	24800	*	2310	*	23400	*
Antimony	NA	ND	U	ND	U	0.87	BN	ND	U	0.58	BN	ND	U
Arsenic	16	6.1		8.8		11.7		**22.9**		2		**16**	
Barium	400	220	*	103	*	285	*	336	*	285	*	216	*
Beryllium	590	0.32	*	1.6	*	0.4	*	3.7	*	0.37	*	3.2	*
Cadmium	9.3	0.34	*	3.5	*	3.5	*	2.7	*	ND	U	5.9	*
Calcium	NA	67800	*	52600	*	109000	*	179000	*	26300	*	143000	*
Chromium	NA	28.9		108		41.1		39.2		3.8		59.2	
Cobalt	NA	3.8	*E	6.3	*E	4.6	*E	6.7	*E	0.34	B*E	5.2	*E
Copper	270	27		221		126		227		8.4		52.3	
Iron	NA	11100		132000		25600		46100		11800		84800	
Lead	1000	355	*	324	*	411	*	203	*	60.4	*	373	*
Magnesium	NA	6180	*	10000	*	13700	*	22500	*	4970	*	19000	*
Manganese	10000	515	*	2650	*	642	*	2430	*	364	*	4120	*
Nickel	310	11.1	*E	52	*E	13.3	*E	32.4	*E	1.5	B*E	17.4	*E
Potassium	NA	1580	*	1520	*	1810	*	9210	*	1550	*	5300	*
Selenium	1500	1.7	B	ND	U	3.6	*	6.4	*	1.7	B*E	4.5	*
Silver	1500	ND	U	0.37	B	2	B	ND	U	ND	U	ND	U
Sodium	NA	980	*	223	*	287	*	795	*	176	*	503	*
Thallium	NA	0.32	B	ND	U	ND	U	4.4	*	ND	U	1.7	*
Vanadium	NA	26.2	*	19	*	22.1	*	16.8	*	4.4	*	26.5	*
Zinc	10000	203	*E	800	*E	483	*E	462	*E	72.7	*E	1060	*E
Hexavalent Chromium	400	NS		NS		NS		NS		NS		NS	
Mercury	2.8	NS		NS		NS		NS		NS		NS	

Key:

Highlighted cell indicate exceedance of NYSDEC Restricted Commercial Use Soil Cleanup Objective

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B = Compound was detected in the method blank.
E = Estimated concentration due to interferences.

	Sample ID	SB-08 4-8		SB-09 0-4		SB-10 0-4		SB-10 4-8		SB-10 8-12		SB-11 0-4	
	Sample Location	SB-08		SB-09		SB-10		SB-10		SB-10		SB-11	
	Sampling Date	9/17/2012		9/17/2012		9/17/2012		9/18/2012		9/18/2012		9/18/2012	
	Sample Depth	4-8 ft.		0-4 ft.		0-4 ft.		4-8 ft.		8-12 ft.		0-4 ft.	
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**
Inorganic Analytes (mg/kg)													
Aluminum	NA	18600	*	21700	*	26200		12100		26700		11200	
Antimony	NA	1.1	N	0.83	BN	0.57	BN*	ND	U	1.2	BN*	7.8	N*
Arsenic	16	9.1		**74.9**		8.6	E	10.7	E	**82**	E	**22.9**	E
Barium	400	148	*	215	*	218		53.2		157		136	
Beryllium	590	3.1	*	1.9	*	4.5		0.77		1.8		1.8	
Cadmium	9.3	8.8	*	5.1	*	2.4	E	0.77	E	8.1	E	**18.6**	E
Calcium	NA	98300	*	193000	*	135000		77600		214000		48500	
Chromium	NA	12.6		46.6		19.1		31.7		50.5		50.5	
Cobalt	NA	6.5	*E	9.1	*E	4.5	E	11	E	13	E	9.1	E
Copper	270	9.9		53.8		55	*	39.2	*	106	*	181	*
Iron	NA	250000		22600		39800		39800		42700		257000	
Lead	1000	2.5	*	144	*	553	E	49.1	E	167	E	**3560**	E
Magnesium	NA	11200	*	9050	*	25400	E	7140	E	7070	E	8500	E
Manganese	10000	4840	*	524	*	1800		587		879		7940	
Nickel	310	6.7	*E	26	*E	16.8	NE	35.7	NE	26.7	NE	29.9	NE
Potassium	NA	1240	*	4370	*	1550		1480		17300		833	
Selenium	1500	ND	U	8.1	*	5.4	N	2.4	N	17.9	N	ND	U
Silver	1500	ND	U	4.8		0.37	B	0.093	B	7.2		1.8	B
Sodium	NA	470	*	358	*	618		157		903		208	
Thallium	NA	ND	U	6.3	*	3.2	N	ND	U	4.8	N	ND	U
Vanadium	NA	26.9	*	31.5	*	11.9	E	22.4	E	47.1	E	13.5	E
Zinc	10000	11.1	*E	834	*E	754		173		817		6150	
Hexavalent Chromium	400	NS		NS		NS		NS		NS		NS	
Mercury	2.8	NS		NS		NS		NS		NS		NS	

Key:

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B = Compound was detected in the method blank.
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Table 3-1
Buffalo Lakeside Commerce Park
Subsurface Soil Sampling Results - September 2012

Sample ID Sample Location Sampling Date Sample Depth		SB-11 4-8 SB-11 9/18/2012 4-8 ft.		SB-11 8-12 SB-11 9/18/2012 8-12 ft.		SB-12 0-4 SB-12 9/18/2012 0-4 ft.		SB-12 4-8 SB-12 9/18/2012 4-8 ft.		SB-12 8-12 SB-12 9/18/2012 8-12 ft.		SB-13 0-4 SB-13 9/18/2012 0-4 ft.	
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**
Inorganic Analytes (mg/kg)													
Aluminum	NA	25700		28800		7730		5660		25500		11100	
Antimony	NA	1.4	BN*	3.2	N*	4.7	N*	2.1	N*	1.5	BN*	1.6	N*
Arsenic	16	**76.1**	E	**126**	E	10.5	E	**17.9**	E	**64.1**	E	11.3	E
Barium	400	282		285		86.5		70.5		367		76.8	
Beryllium	590	1.7		2.1		1.4		1.2		2		1.2	
Cadmium	9.3	6.6	E	8.4	E	**17**	E	**9.8**	E	6.8	E	4.2	E
Calcium	NA	194000		203000		30100		30000		219000		58000	
Chromium	NA	67.3		61.7		63.7		19.1		60.4		63.6	
Cobalt	NA	10.6	E	13.7	E	7.1	E	7.3	E	13	E	9.7	E
Copper	270	59.1	*	98.9	*	176	*	29.6	*	74.7	*	94.7	*
Iron	NA	25100		46000		229000		250000		30100		81900	
Lead	1000	217	E	233	E	**3670**	E	261	E	227	E	947	E
Magnesium	NA	21000	E	4440	E	5380	E	7570	E	5500	E	8690	E
Manganese	10000	521		210		5100		6760		526		1610	
Nickel	310	29.1	NE	40.1	NE	44.7	NE	11.5	NE	33.4	NE	43.9	NE
Potassium	NA	6220		19700		912		934		11100		1170	
Selenium	1500	8.1	N	11	N	ND	U	ND	U	10.9	N	3.2	N
Silver	1500	5.5		7.3		4		0.05	B	5		0.63	B
Sodium	NA	516		559		158		164		466		192	
Thallium	NA	8.2	N	10.1	N	ND	U	ND	U	6.1	N	0.47	BN
Vanadium	NA	37.4	E	47.1	E	10.7	E	10.3	E	44.3	E	19.7	E
Zinc	10000	1080		1330		6760		711		1310		1610	
Hexavalent Chromium	400	NS		NS		NS		NS		NS		NS	
Mercury	2.8	NS		NS		NS		NS		NS		NS	

Key:

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Table 3-1
Buffalo Lakeside Commerce Park
Subsurface Soil Sampling Results - September 2012

	Sample ID	SB-13 4-8		SB-13 8-12		SB-14 0-4		SB-14 4-8		SB-14 8-12		SB-14 12-16	
	Sample Location	SB-13		SB-13		SB-14		SB-14		SB-14		SB-14	
	Sampling Date	9/18/2012		9/18/2012		9/18/2012		9/18/2012		9/18/2012		9/18/2012	
	Sample Depth	4-8 ft.		8-12 ft.		0-4 ft.		4-8 ft.		8-12 ft.		12-16 ft.	
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**
Inorganic Analytes (mg/kg)													
Aluminum	NA	13800		36800		12800		22500		26500		8500	
Antimony	NA	3.7	N*	2.0	N*	2.0	N*	0.54	BN*	ND	U	5.5	N*
Arsenic	16	**17.8**	E	**101**	E	12.8	E	8.6	E	6.3	E	13.1	E
Barium	400	162		**474**		128		211		225		84.6	
Beryllium	590	2.6		2		1.6		2.8		3		1.6	
Cadmium	9.3	**14.3**	E	**9.4**	E	6.2	E	0.8	E	0.44	E	**22.7**	E
Calcium	NA	74700		325000		52600		117000		128000		25600	
Chromium	NA	98.5		120		63.6		39.2		32.9		109	
Cobalt	NA	8.8	E	17.3	E	6.7	E	4.5	E	4.2	E	8.8	E
Copper	270	161	*	98.7	*	91	*	33.3	*	30.7	*	**318**	*
Iron	NA	180000		30500		95100		38500		19200		209000	
Lead	1000	**2350**	E	241	E	**1380**	E	116	E	93.4	E	**8640**	E
Magnesium	NA	14800	E	8230	E	13500	E	15800	E	19700	E	7160	E
Manganese	10000	4290		267		1920		3780		3960		4900	
Nickel	310	51.9	NE	42.2	NE	34.5	NE	14.4	NE	15.6	NE	71.6	NE
Potassium	NA	1900		11500		1980		2240		3150		640	
Selenium	1500	ND	U	11.4	N	2.7	N	4.9	N	5	N	15.2	N
Silver	1500	1.1	B	7.2		1.8		ND	U	ND	U	4.3	
Sodium	NA	448		572		359		631		829		177	
Thallium	NA	ND	U	8.8	N	0.65	BN	6.3	N	8.1	N	ND	U
Vanadium	NA	17.1	E	67.8	E	21.4	E	21.5	E	23.9	E	11.5	E
Zinc	10000	3830		1460		1500		198		184		8620	
Hexavalent Chromium	400	NS		NS		NS		NS		NS		NS	
Mercury	2.8	NS		NS		NS		NS		NS		NS	

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Table 3-1
Buffalo Lakeside Commerce Park
Subsurface Soil Sampling Results - September 2012

Sample ID		SB-14 16-20		SB-15 0-4		SB-16 0-4		SB-16 4-8		SB-16 8-12		SB-17 0-4	
Sample Location		SB-14		SB-15		SB-16		SB-16		SB-16		SB-17	
Sampling Date		9/18/2012		9/18/2012		9/18/2012		9/18/2012		9/18/2012		9/18/2012	
Sample Depth		16-20 ft.		0-4 ft.		4-8 ft.		4-8 ft.		8-12 ft.		0-4 ft.	
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**
Inorganic Analytes (mg/kg)													
Aluminum	NA	21800		8210	N*	8850		7450	*	12700	*	17100	*
Antimony	NA	1.5	N*	3.2	E	3.6	N*	3.4	N	ND	U	2.1	N
Arsenic	16	**73.8**	E	13.8		14.7	E	**39.2**	NE	10.2	NE	**24**	NE
Barium	400	187		104		124		93.9	*	133	*	196	*
Beryllium	590	1.6		1.7	E	1.6		1.6	E	2.3	E	1.5	E
Cadmium	9.3	5.6	E	**11.7**		**14.6**	E	**9.7**	E	ND	U	5.3	E
Calcium	NA	161000		31500		36900		34800		139000		111000	
Chromium	NA	49.5		186	E	244		12.9	*	6.8	*	64.7	*
Cobalt	NA	9.8	E	10.4	*	11.2	E	7.5	E	3.4	E	9.9	E
Copper	270	87.8	*	227		**590**	*	38.9		7.5		223	
Iron	NA	91100		189000	E	216000		233000		12900		140000	
Lead	1000	212	E	**2560**	E	**2970**	E	114	*E	23.2	*E	188	*E
Magnesium	NA	12400	E	9620		9620	E	6400	E	13400	E	14900	E
Manganese	10000	693		3750	N	4490		5440		1510		2420	
Nickel	310	30.7	NE	101	NE	107	NE	10.5	N*E	8.9	N*E	48.5	N*E
Potassium	NA	5810		789		2160		1920	*E	1610	*E	3220	*E
Selenium	1500	7.3	N	ND	U	ND	U	ND	U	3.2	N	2.6	N
Silver	1500	3		2.4		1.2	B	ND	U	ND	U	0.42	B
Sodium	NA	562		127		249		187	*E	591	*E	215	*E
Thallium	NA	2.7	N	ND	U	ND	U	ND	U	2.6	N	ND	U
Vanadium	NA	40.9	E	21.3	E	17.9	E	13.4	*E	8.9	*E	27.6	*E
Zinc	10000	842		2780		6380		618	N*E	41.2	N*E	605	N*E
Hexavalent Chromium	400	NS		NS		NS		NS		NS		NS	
Mercury	2.8	NS		NS		NS		NS		NS		NS	

Key:

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Table 3-1
Buffalo Lakeside Commerce Park
Subsurface Soil Sampling Results - September 2012

Sample ID		SB-17 4-8		SB-18 0-4		SB-18 4-8		SB-19 0-4		SB-19 4-8		SB-20 0-4	
Sample Location		SB-17		SB-18		SB-18		SB-19		SB-19		SB-20	
Sampling Date		9/18/2012		9/18/2012		9/18/2012		9/18/2012		9/18/2012		9/18/2012	
Sample Depth		4-8 ft.		0-4 ft.		4-8 ft.		0-4 ft.		4-8 ft.		0-4 ft.	
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**
Inorganic Analytes (mg/kg)													
Aluminum	NA	28300	*	10500	*	10900	*	10100	*	26800	*	9100	*
Antimony	NA	0.74	B	1.8	N	1.1	N	3.1	N	0.78	B	2.6	N
Arsenic	16	**40.7**	NE	**26.3**	NE	13.7	NE	**16.6**	NE	15.5	NE	**31.9**	NE
Barium	400	**459**	*	125	*	160	*	109	*	**546**	*	118	*
Beryllium	590	2.1	E	1.9	E	0.39	E	1.9	E	1.8	E	1.6	E
Cadmium	9.3	2	E	9.1	E	0.58	E	**12.2**	E	**10.5**	E	**9.7**	E
Calcium	NA	258000		37700		393000		41300		224000		25000	
Chromium	NA	50.5	*	56	*	56.2	*	45	*	46.8	*	33.2	*
Cobalt	NA	9.6	E	6.4	E	4.9	E	5.4	E	9	E	12.1	E
Copper	270	49.2		153		239		94.7		55.8		75.4	
Iron	NA	17200		175000		24000		205000		17400		214000	
Lead	1000	128	*E	**1060**	*E	108	*E	**1370**	*E	163	*E	624	*E
Magnesium	NA	4870	E	8330	E	5430	E	12000	E	7680	E	5540	E
Manganese	10000	208		5820		401		4160		207		8340	
Nickel	310	29.5	N*E	33	N*E	17.9	N*E	22.5	N*E	31.3	N*E	34.6	N*E
Potassium	NA	15100	*E	2770	*E	2800	*E	4690	*E	12400	*E	3860	*E
Selenium	1500	8.7	N	ND	U	5.3	N	ND	U	10.2	N	ND	U
Silver	1500	1.6	B	2.3		0.34	B	1	B	5.6		0.83	B
Sodium	NA	550	*E	294	*	320	*E	362	*E	540	*E	546	*E
Thallium	NA	5.6	N	ND	U	ND	U	ND	U	4.3	N	ND	U
Vanadium	NA	58.1	*E	9.2	*E	23.1	*E	15.8	*E	56.5	*E	17.7	*E
Zinc	10000	613	N*E	1650	N*E	239	N*E	3500	N*E	1220	N*E	807	N*E
Hexavalent Chromium	400	NS		NS		NS		NS		NS		NS	
Mercury	2.8	NS		NS		NS		NS		NS		NS	

Key:

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Table 3-1
Buffalo Lakeside Commerce Park
Subsurface Soil Sampling Results - September 2012

Sample ID		SB-20 4-8		SB-21 0-4		SB-21 4-8		SB-22 0-4		SB-22 4-8		SB-23 0-4	
Sample Location		SB-20		SB-21		SB-21		SB-22		SB-22		SB-23	
Sampling Date		9/18/2012		9/18/2012		9/18/2012		9/18/2012		9/18/2012		9/18/2012	
Sample Depth		4-8 ft.		0-4 ft,.		4-8 ft.		0-4 ft.		4-8 ft.		0-4 ft.	
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**
Inorganic Analytes (mg/kg)													
Aluminum	NA	14400	*	6450	*	20700	*	6860	*	5660	*	7250	*
Antimony	NA	1.5	N	2.7	N	2.2	N	5.9	N	3.2	N	2.6	N
Arsenic	16	**37.4**	NE	15	NE	**20.5**	NE	14.9	NE	**66.1**	NE	15.6	NE
Barium	400	195	*	71.5	*	**700**	*	77.7	*	86.5	*	91.9	*
Beryllium	590	1.6	E	1.2	E	2.2	E	1.6	E	0.97	E	1.9	E
Cadmium	9.3	6.8	E	8.9	E	5.3	E	**16.7**	E	7.2	E	7.6	E
Calcium	NA	124000		21300		166000		26700		40100		27100	
Chromium	NA	47.4	*	45.1	*	41.2	*	125	*	37	*	57.4	*
Cobalt	NA	9	E	4.8	E	9.4	E	8.6	E	5.1	E	2.8	BE
Copper	270	114		159		59.2		**284**		111		57.5	
Iron	NA	129000		150000		101000		218000		149000		138000	
Lead	1000	677	*E	**1820**	*E	322	*E	**3760**	*E	**2770**	*E	**2840**	*E
Magnesium	NA	4930	E	5450	E	9890	E	7140	E	6870	E	9630	E
Manganese	10000	4060		2480		4140		3670		5840		1840	
Nickel	310	33.3	N*E	32.8	N*E	36.8	N*E	59.9	N*E	20.8	N*E	21.4	N*E
Potassium	NA	2940	*E	999	*E	7610	*E	1300	*E	1400	*E	4290	*E
Selenium	1500	6.8	N	2.4	N	5.3	N	ND	U	ND	U	3.1	N
Silver	1500	2.5		3		1.4	B	0.76	B	1.8		1.5	B
Sodium	NA	308	*E	143	*E	410	*E	139	*E	158	*E	482	*E
Thallium	NA	1.1	BN	ND	U	3.5	N	ND	U	1.6	N	1.5	N
Vanadium	NA	32.2	*E	8.1	*E	46.5	*E	7.9	*E	12.8	*E	14.2	*E
Zinc	10000	1270	N*E	2170	N*E	1290	N*E	6880	N*E	2170	N*E	2570	N*E
Hexavalent Chromium	400	NS		NS		NS		NS		NS		NS	
Mercury	2.8	NS		NS		NS		NS		NS		NS	

Key:

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Table 3-1
Buffalo Lakeside Commerce Park
Subsurface Soil Sampling Results - September 2012

Sample ID		SB-23 4-8		SB-23 8-12		SB-24 0-4		SB-24 4-8		SB-25 0-4		SB-25 4-8	
Sample Location		SB-23		SB-23		SB-24		SB-24		SB-25		SB-25	
Sampling Date		9/18/2012		9/18/2012		9/18/2012		9/18/2012		9/18/2012		9/18/2012	
Sample Depth		4- 8 ft.		8-12 ft.		0-4 ft.		4-8 ft.		0-4 ft.		4- 8 ft.	
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**
Inorganic Analytes (mg/kg)													
Aluminum	NA	8780	*	13900	*	8160		10500		6640	*	5190	*
Antimony	NA	3.3	N	0.98	BN	0.60	B	ND	U	1.3	N	5.6	N
Arsenic	16	**20.3**	NE	12.7	NE	10.1		6.4		8	NE	**32.7**	NE
Barium	400	103	*	67.2	*	229		130		130	*	67.4	*
Beryllium	590	1.9	E	1.3	E	0.6		0.24	B	0.45	E	1	E
Cadmium	9.3	**9.7**	E	3.9	E	1.1		0.22	B	1.5	E	**16.9**	E
Calcium	NA	1600		2840		86100		35900		4320			U
Chromium	NA	31.3	*	41.5	*	28.2		47.6		31.5	*	528	*
Cobalt	NA	5.3	E	12.6	E	4.1		3.4		5	E	26.1	E
Copper	270	147		64.3		56.2		21.9		94.4		**1860**	
Iron	NA	9140		5900		45300		47300		2870		363000	
Lead	1000	**1180**	*E	458	*E	438		88.2		276	*E	359	*E
Magnesium	NA	6940	E	8680	E	8030		8910		10700	E	3840	E
Manganese	10000	257		2430		1010		3440		1040		5230	
Nickel	310	20.4	N*E	43.4	N*E	17.9		10.3		35.1	N*E	**336**	N*E
Potassium	NA	1860	*E	2310	*E	1150		922		843	*E	428	*E
Selenium	1500	ND	U	4.9	N	3.8		4.4		3.8	N	ND	U
Silver	1500	1.8		0.2	B	ND	U	ND	U	ND	U	ND	U
Sodium	NA	209	*E	265	*E	388		911		214	*E	134	*E
Thallium	NA	ND	U	ND	U	1.5		6.4		ND	U	ND	U
Vanadium	NA	6.4	*E	14.9	*E	21.3		28.3		13.8	*E	14.1	*E
Zinc	10000	2220	N*E	655	N*E	415		134		330	N*E	384	N*E
Hexavalent Chromium	400	NS		NS		NS		NS		NS		NS	
Mercury	2.8	NS		NS		NS		NS		NS		NS	

Key:

Highlighted cell indicate exceedance of NYSDEC Restricted Commercial Use Soil Cleanup Objective

* = Relative Percent difference for duplicate analysis is outside of control limits.
N = Matrix spike recovery falls outside of control limits.
U = Non-detect
B = Compound was detected in the method blank.
E = Estimated concentration due to interferences.

Table 3-1
Buffalo Lakeside Commerce Park
Subsurface Soil Sampling Results - September 2012

	Sample ID	SB-25 8-12		DUP-1		DUP-2		DUP-3		SB-15 0-4 TCLP		TCLP-1	
	Sample Location	SB-25		SB-10		SB-11		SB-20		SB-15			
	Sampling Date	9/18/2012		9/18/2012		9/18/2012		9/18/2012		9/18/2012		9/18/2012	
	Sample Depth	8-12 ft.		0-4 ft.		4-8 ft.		0-4 ft.		0-4 ft.			
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**
Inorganic Analytes (mg/kg)													
Aluminum	NA	11000		23300	*	25000		9010	*	ND		ND	
Antimony	NA	1.3		ND	U	2.5	N*	3.0	N	ND		ND	
Arsenic	16	14.1		7		**93.7**	E	**34.4**	NE	ND	U	ND	U
Barium	400	166		208	*	252		127	*	0.326		0.294	
Beryllium	590	2		4.3	*	1.7		1.5	E	ND		ND	
Cadmium	9.3	6		1.5	*	6.7	E	**11.4**	E	0.0428		0.0513	
Calcium	NA	52200		172000	*	192000		24100		ND		ND	
Chromium	NA	28		14.8		56.5		76.5	*	0.0078	B	0.0169	B
Cobalt	NA	7.3		2.9	*E	10.6	E	8.8	E	ND		ND	
Copper	270	39.8		44.3		106	*	104		ND		ND	
Iron	NA	198000		32100		66700		238000		ND		ND	
Lead	1000	357		430	*	182	E	346	*E	0.441		0.215	
Magnesium	NA	9850		23000	*	8040	E	5270	E	ND		ND	
Manganese	10000		U	1610	*	311		8220		ND		ND	
Nickel	310	17		11.9	*E	31.5	NE	31.6	N*E	ND		ND	
Potassium	NA	5740		1530	*	3730		5240	*E	ND		ND	
Selenium	1500		U	5	*	8.4	N	ND	U	0.0227	B	0.0138	B
Silver	1500	0.95	B	0.099	B	5.3		0.059	B	ND	U	ND	U
Sodium	NA	616		626	*	345		801	*E	ND		ND	
Thallium	NA	5.2		3.1	*	8.7	N	ND	U	ND		ND	
Vanadium	NA	16.9		10.4	*	49.9	E	9.5	*E	ND		ND	
Zinc	10000	1280		592	*E	1050		442	N*E	ND		ND	
Hexavalent Chromium	400	NS		NS		NS		NS		NS		NS	
Mercury	2.8	NS		NS		NS		NS		0.000044	B	0.000052	B

Key:

Highlighted cell indicate exceedance of NYSDEC Restricted Commercial Use Soil Cleanup Objective

* = Relative Percent difference for duplicate analysis is outside of control limits.
N = Matrix spike recovery falls outside of control limits.
U = Non-detect
B = Compound was detected in the method blank.
E = Estimated concentration due to interferences.

Table 3-1
Buffalo Lakeside Commerce Park
Subsurface Soil Sampling Results - September 2012

Sample ID		SB-01-10-070714		SB-02-10-070714		SB-03-10-070714		SB-04-10-070714		SB-05-10-070714		SB-06-10-070714		SB-07-03-070714		SB-07-10-070714		SB-08-04-070714		SB-09-04-070814A		SB-10-10-070814A		SB-11-10-070814A		SB-12-10-070814	
Sample Location		SB-26		SB-27		SB-28		SB-29		SB-30		SB-31		SB-32		SB-32		SB-33		SB-34		SB-35		SB-36		SB-37	
Sampling Date		7/7/2014		7/7/2014		7/7/2014		7/7/2014		7/7/2014		7/7/2014		7/7/2014		7/7/2014		7/7/2014		7/8/2014		7/8/2014		7/8/2014		7/8/2014	
Sample Depth		10 feet bgs		10 feet bgs		10 feet bgs		10 feet bgs		10 feet bgs		10 feet bgs		3 feet bgs		10 feet bgs		4 feet bgs		4 feet bgs		10 feet bgs		10 feet bgs		10 feet bgs	
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**
Aluminum	NG	6620	M	7480	M	17600	M	13300	M	17700	M	8540	M	30800	M	24300	M	11200	M	9060	M	5170	M	6520	M	9200	M
Antimony	NG	ND	UN	ND	UN	2	N	2	N	1.2	N	2.2	N	1.9	N	2.2	N	2.7	N	5.1	N	1.8	NM	ND	UNM	1.8	N
Arsenic	16[f]	2.8	M	2.7	M	8.3	M	**21.9**	M	3.4	M	11.5	M	3.3	M	9.9	M	9.6	M	**66**	M	ND	E	ND		8.2	M
Barium	400	29	M	21	M	130	M	103	M	146	M	93.7	M	312	M	196	M	103	M	112	M	ND	ME	ND		90	M
Beryllium	590	ND	BME	ND	BME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND		ND	ME
Cadmium	9.3	ND	NME	ND	NME	ND	NME	ND	NME	ND	NME	ND	NME	ND	NME	ND	NME	ND	NME	ND	NME	ND	ME	ND		ND	NME
Calcium	NG	20000		10800		129000		72300		115000		38900		187000		89500		45800		45000		32500	M	59100	M	46200	
Chromium[(h)]	1500	13	N	8.2	N	42.6	N	63.6	N	8.1	N	197	N	2.1	N	36.2	N	79.9	N	193	N	ND	NME	ND		38.1	N
Cobalt	NG	ND	BE	ND	BE	ND	E	ND	E	ND	BE	ND	E	ND	BE	ND	E	ND	E	ND	E	ND	E	ND	J	ND	E
Copper	270	7.8	N	3.7	N	42.5	N	73.9	N	8.4	N	**378**	N	0.99	BN	60.7	N	134	N	237	N	**495**		19.5		46.2	N
Iron	NG	19300	M	9660	M	71100	M	190000	M	67400	M	240000	M	14400	M	130000	M	140000	M	181000	M	330000	M	10700	M	174000	M
Lead	1000	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	E	ND		ND	ME
Magnesium	NG	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	ME	ND		ND	E
Manganese	10,000[d]	682		244		3740		3840		3890		4740		3420		7840		3690		**19,800**		5340	M	239	M	5160	
Nickel	310	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	BE	ND	E	ND	E	ND	E	ND	NME	ND		ND	E
Potassium	NG	291	M	832	M	1560	M	1790	M	2130	M	2250	M	2050	M	9950	M	2590	M	2120	M	1220		1140		1350	M
Selenium	1500	1.2	B	0.8	B	0.77	B	ND	U	ND	U	ND	U	3.1		ND	U	ND	U	ND	U	ND	UN	ND	UN	ND	U
Silver	1500	0.54	B	0.23	B	1.8		2.5		1.4	B	3.6		0.49	B	9.4		3.1		6.1		4		0.16	B	3.2	
Sodium	NG	118		193		611		695		663		289		1220		810		409		255		237		271		576	
Thallium	NG	0.45	B	ND	U	0.56	B	ND	U	0.46	B	ND	U	1.3		3.2		ND	U	ND	U	ND	UN	1.6	N	1.3	
Vanadium	NG	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND		ND	E
Zinc	10,000[d]	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	BNE	ND	NE	ND	NE	ND	NE	ND	E	ND		ND	NE
Hexavalent Chromium[(h)]	400	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
2-Methylphenol	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
4-Methylphenol	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.15	J	ND	U
Acenaphthene	500[b]	ND	U	ND	U	ND	U	0.14	J	ND	U	0.3	J	ND	U	0.18	J	0.12	J	0.15	J	0.092	J	4.7		0.14	J
Acenaphthylene	500[b]	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	1.4		ND	U
Anthracene	500[b]	ND	U	ND	U	ND	U	0.11	J	ND	U	0.13	J	ND	U	0.5		0.11	J	0.2	J	0.12	J	13	D	ND	U
Benzo(a)anthracene	5.6	0.076	J	0.38	J	0.36	J	1.3		0.27	J	0.26	J	ND	U	0.93		0.63		0.87		0.42	J	**17**	D	0.5	
Benzo(a)pyrene	1[f]	ND	U	0.54		0.56		**2.1**		0.41	J	0.26	J	ND	U	0.78		**1**		**1.1**		0.57		**12**	D	0.85	
Benzo(b)fluoranthene	5.6	0.095	J	0.95		0.72		2.9		0.53		0.4	J	ND	U	0.98		1.3		1.5		0.88		**15**	D	1	
Benzo(g,h,i)perylene	500[b]	ND	U	0.46		0.58		2.20		0.43		0.2400	J	ND	U	0.46		0.94		0.95		0.48		5.6	D	0.72	
Benzo(k)fluoranthene	56	ND	U	0.29	J	0.31	J	1.1		0.23	J	0.13	J	ND	U	0.42	J	0.54		0.5		0.31	J	6.7		0.44	
Chrysene	56	0.12	J	0.58		0.44		1.7		0.35	J	0.41	J	ND	U	0.98		0.87		1		0.58		16	D	0.66	
Dibenzo(a,h)anthracene	0.56	ND	U	0.11	J	ND	U	0.43		0.087	J	ND	U	ND	U	0.11	J	0.18	J	0.19	J	ND	U	**2**		0.15	J
Fluoranthene	500[b]	0.22	J	0.39	J	0.33	J	1.1		0.42		0.63		ND	U	1.9		0.88		1.2		0.78		44	D	0.57	
Fluorene	500[b]	ND	U	ND	U	ND	U	ND	U	ND	U	0.16	J	ND	U	0.48		ND	U	0.083	J	ND	U	6.1	D	ND	U
Indeno(1,2,3-cd)pyrene	5.6	ND	U	0.43		0.56		2.1		0.42		0.2	J	ND	U	0.51		0.98		0.99		0.47		**6.4**	D	0.74	
Naphthalene	500[b]	ND	U	ND	U	ND	U	0.095	J	0.12	J	3.8		ND	U	0.67		0.11	J	0.092	J	ND	U	1.4		ND	U
Pentachlorophenol	6.7	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Phenanthrene	500[b]	ND	U	ND	U	0.2	J	0.44		0.25	J	0.56		ND	U	2.2		0.44		0.76		0.5		37	D	0.29	J
Phenol	500[b]	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Pyrene	500[b]	ND	U	0.53		0.45		1.6		0.51		0.71		ND	U	1.9		0.98		1.6		0.83		28	D	0.7	
Cyanide, Total[(h)]	27	ND	UNM	ND	UNM	1.4	NM	ND	UNM	ND	UNM	2.9	NM	2.8	NM	0.97	BNM	ND	UNM	8.2	NM	5.2	NM	ND	UNM	ND	UNM

Key:

Green highlighted cell with bold white font = Exceedance of NYSDEC Subpart 375-6.8(b) Restricted Commerical Use Soil Clean up Objectives.

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

B = Analyte detected in the associated Method Blank
bgs = below ground surface
D = The compound concentration was obtained from a secondary dilution analysis (Organics).
E = Analyte compound concentration exceeded the Calibration
J = Analyte detected below quantitation limits

M = Indicates that the duplicate injection precision was not met.

N = The analyte passed identification criteria and is considered to be positively identified (Organics), or the matrix spike recovery falls outside of the control limit (Inorganics).

ND = Not detected or not reportable
NG = No standard or guidance value
U = Not detected.

Table 3-2
Buffalo Lakeside Commerce Park
Subsurface Soil Sampling Results - July 2014

SB-13-08-070814 SB-38 7/8/2014 8 feet bgs		SB-14-10-070814 SB-39 7/8/2014 10 feet bgs		SB-15-08-070814 SB-40 7/8/2014 8 feet bgs		SB-16-10-070814 SB-41 7/8/2014 10 feet bgs		FD-01-070714 SB-31 7/7/2014 10 feet bgs		FD-02-070814A SB-36 7/8/2014 10 feet bgs	
Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
10900	M	4900	M	8110	M	5930	M	15100	M	7830	M
ND	UNM	1.1	BNM	ND	UNM	ND	UNM	2.3	N	ND	UNM
ND	E	ND	E	ND	E	ND	E	10.3	M	ND	E
ND	ME	ND	ME	ND	ME	ND	ME	169	M	ND	ME
ND	ME	ND	ME	ND	BME	ND	ME	ND	ME	ND	ME
ND	ME	ND	ME	ND	ME	ND	ME	ND	NME	ND	ME
46800	M	26000	M	1810	M	23300	M	78900		59700	M
ND	NME	ND	NME	ND	NME	ND	NME	93.7	N	ND	NME
ND	E	ND	E	ND	E	ND	E	ND	E	ND	E
68.5		198		5.8		33.2		228	N	88.1	
145000	M	216000	M	63300	M	111000	M	138000	M	58300	M
ND	E	ND	E	ND	E	ND	E	ND	ME	ND	E
ND	ME	ND	ME	ND	ME	ND	ME	ND	E	ND	ME
3770	M	**13,600**	M	636	M	2560	M	3750		1060	M
ND	NME	ND	NME	ND	NME	ND	NME	ND	E	ND	NME
1710		1440		1190		1610		1480	M	1260	
ND	UN	ND	UN	ND	UN	ND	UN	ND	U	ND	UN
2.4		5.1		1.1	B	2.5		2.5		1.4	B
322		330		247		355		300		551	
ND	UN	ND	UN	ND	UN	ND	UN	0.59	B	ND	UN
ND	E	ND	E	ND	E	ND	E	ND	E	ND	E
ND	E	ND	E	ND	E	ND	E	ND	NE	ND	E
ND	U	ND	U	ND	U	ND	U	ND		ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
0.18	J	0.12	J	ND	U	ND	U	0.099	J	0.71	
ND	U	ND	U	ND	U	ND	U	ND	U	0.16	J
0.15	J	ND	U	ND	U	0.12	J	ND	U	1.7	
0.97		0.56		2.4		0.26	J	0.3	J	2.9	
1.5		**1.1**		**4.2**		0.26	J	0.45		**2.5**	
1.9		1.3		5.4		0.43		0.61		3.3	
1.2		1		3.7		0.17	J	0.46		1.4	
0.76		0.43		2.1		0.14	J	0.22	J	1.3	
1.2		0.43		3.2		0.39		0.47		2.9	
0.25	J	0.21	J	**0.89**		ND	U	ND	U	0.37	
1.3		0.61		1.9		0.77		0.56		6.7	D
ND	U	ND	U	ND	U	0.18	J	0.086	J	0.89	
1.3		1		3.7		ND	U	0.41	J	1.5	
ND	U	ND	U	ND	U	0.079	J	0.15	J	0.7	
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
0.52		0.31	J	0.23	J	0.78		0.42		5.6	D
ND	U	ND	U	ND	U	ND	U	ND	U	4.8	U
1.2		0.85		2.6		0.58		0.69		ND	
ND	UNM	ND	UNM	0.8	BNM	ND	UNM	ND	UNM	ND	UNM

Table 3-2
Buffalo Lakeside Commerce Park
Subsurface Soil Sampling Results - July 2014

Sample ID		SB-01-1114-0-4-20141110		SB-01-1114-4-8-20141110		SB-01-1114-8-12-20141110		SB-01-1114-12-16-20141110		SB-01-1114-16-20-20141110		SB-02-1114-0-4-20141110		SB-02-1114-4-8-20141110		SB-02-1114-8-12-20141110		SB-02-1114-12-16-20141110		SB-02-1114-16-20-20141110		SB-03-1114-0-4-20141110		SB-03-1114-4-8-20141110		SB-04-1114-0-4-20141110		SB-04-1114-4-8-20141110		SB-04-1114-8-12-20141110		SB-05-1114-0-4-20141110		SB-05-1114-4-8-20141110		SB-05-1114-8-12-20141110
Sample Location		SB-42		SB-42		SB-42		SB-42		SB-42		SB-43		SB-43		SB-43		SB-43		SB-43		SB-44		SB-44		SB-45		SB-45		SB-45		SB-46		SB-46		SB-46
Sampling Date		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014		11/10/2014
Sample Depth		0-4 ft bgs		4-8 ft bgs		8-12 ft bgs		12-16 ft bgs		16-20 ft bgs		0-4 ft bgs		4-8 ft bgs		8-12 ft bgs		12-16 ft bgs		16-20 ft bgs		0-4 ft bgs		4-8 ft bgs		0-4 ft bgs		4-8 ft bgs		8-12 ft bgs		0-4 ft bgs		4-8 ft bgs		8-12 ft bgs
Parameter ID	NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)
Aluminum	NG	14100		14600		24200		16400		29400		14500		17800		17500		12900		22100		7820	J	5940		15000		17300		31700		5960		25200		ND
Antimony	NG	ND		ND	U	0.79	J	ND	U	2.4	J	ND	U	ND		ND	U	ND	U	1.7	J	2	J	ND	U	ND	U	ND	U	2.8	J	ND		1.4	J	ND
Arsenic	16[f]	7.3		4.5		2.7		ND		92		5.5		5.8		4.8		5		51.9		17.6	J	11.1		68.6		60.3		25.1		4		6.4		ND
Barium	400	64.7		17.9		232		39.3		197		25.3		56		65.7		21.9		168		101	J	55.6		161		240		183		54.2		286		ND
Beryllium	590	1.3		0.71		5.2		0.8		3.4		0.65		1.2		1.3		0.62		2.9		1.8	J	0.82		2.4		3.2		3.2		0.33		0.86		ND
Cadmium	9.3	1.6		ND	U	ND	U	0.15	J	5.3		0.15	J	0.11	J	ND	U	0.061	J	4.3		9.1	J	1.6		2		4.2		11.1		0.47		1.5		ND
Calcium	NG	61000	B	113000	B	94500	B	64700	B	181000	B	79100	B	44300	B	70100	B	35500	B	148000	B	34100	B	58300	B	42300	B	68500	B	286000	B	60800	B	41000	B	ND
Chromium[h]	1500	34.3		25		11.9		25.7		65.4		26.3		26.4		25.3		21.9		50		163	J	21.8		93.5		81		50.2		8.6		13.8		ND
Cobalt	NG	11.8		16.9		8.7		14.8		18		15.1		15.9		16		13.7		12.6		10.1	J	4.3		9.3		15.2		24.1		3.8		4.8		ND
Copper	270	44.1		28.3		12.7		27.8		50.1		29.8		26.9		25.2		22.4		39.7		238		45.8		73.4		210		67.4		15.9		27.8		ND
Iron	NG	48000		30700		12900		26600		22700		31100		29600		28900		27100		17600		224000		54100		266000		279000		24200		8300		9170		ND
Lead	1000	372		26.4		18.8		33.2		228		69.5		26.3		31.7		22.2		192		5110		655		3220		2180		263		87.8		127		ND
Magnesium	NG	11300		11800		11500		6360		4950		11300		10700		10200		6650		4640		8450	J	7780		11400		18100		4450		20500		6490		ND
Manganese	10,000[d]	10300		683		1260		578		262		426		617		893		373		208		3310		1350		9410		10400		230		289		177		ND
Mercury	2.8	ND	U	ND	U	ND	U	0.014	J	0.096		0.0096	J	0.013	J	ND	U	ND		0.088		0.1		0.012	J	0.024	J	0.059		0.096		0.12		0.25		ND
Nickel	310	45		58.8		31.4		52		45		56.9		58.2		58.3		48.9		33		88.8	J	18.6		33.5		133		53		9.9		12.3		ND
Potassium	NG	2480		2660		2460		5140		20900		2850		3800		3980		3890		18700		1730	J	752		4100		4740		50300		1350		2210		ND
Selenium	1500	ND	U	ND	U	0.74	J	ND	U	6.70	J	ND	U	0.72	J	ND	U	ND	U	4.30	J	2.60	J	1.80	J	3.60	J	5.50	J	11.3		ND		ND	U	ND
Silver	1500	2.4	J	ND	U	ND	U	ND	U	2.3		ND	U	ND	U	ND	U	ND	U	2		6.5	J	0.25	J	6.4		7.2		5.9		ND		0.75	J	ND
Sodium	NG	215		216		576		249		1140		157		229		259		159		906		191	J	122	J	329		287		2100		264		2630		ND
Thallium	NG	3.8	J	ND	U	ND	U	ND	U	11.1	J	ND	U	ND	U	ND	U	ND	U	8.40	J	4.90	J	1.5	J	2.7	J	4.20	J	3.90	J	13.40		ND	U	ND
Vanadium	NG	23.5		19.9		9.6		23.6		58.5		20.4		21.7		19.6		18.1		30.6		27.9	J	15.2		30.9		39.9		71.5		ND		20.8		ND
Zinc	10,000[d]	397	B	38.1	B	29.6	B	54.9	B	849	B	88.2	B	63.8	B	45.8	B	46	B	678	B	5790	B	647	B	674	B	1840	B	1260	B	90.5	B	175	B	ND
cyanide, Total [h]	27	10.6		ND	U	ND	U	ND	U	17.6	J	0.99	J	ND		ND		1.4		7.8		38.4	J	35.3		72.2		27.2		ND	U	ND		ND		ND
Cyanide, Free	NG	ND	U	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Cyanide, Available	NG	ND	U	ND		ND		ND		0.29		ND		ND		ND		ND		ND		ND		ND		ND		1.1		ND		ND		0.082		1.3
2-Methylphenol	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
4-Methylphenol	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	R	ND		ND		ND
2-Methylnaphthalene	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3	J	ND		ND
Acenaphthene	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		8.8	J	2.5	J	ND
Acenaphthylene	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Anthracene	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		14		5.2	J	ND
Benzo(a)anthracene	5.6	ND		ND		ND		ND		ND		ND		ND		0.58	J	ND		ND		0.24	U	0.26	U	ND		ND		ND		21		9.6	J	ND
Benzo(a)pyrene	1[f]	0.87	J	ND		ND		ND		0.16	J	ND		ND		1.2	J	0.087	J	ND		1.2	J	1.1	J	2.6	J	2.90	J	ND		20		12		ND
Benzo(b)fluoranthene	5.6	1.3	J	0.15	J	ND		ND		0.24	J	ND		ND		1.9	J	0.14	J	ND		1.6	J	1.6	J	4	J	4.00	J	ND		27		16		ND
Benzo(g,h,i)perylene	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.24	J	ND		ND		ND		12		4.8	J	ND
Benzo(k)fluoranthene	56	ND		ND		ND		ND		ND		ND		ND		0.29	J	ND		ND		ND		ND		ND		ND		ND		7.4	J	4.1	J	ND
Biphenyl (diphenyl)	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND
Carbazole	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		7.6	J	2.8	J	ND
Chrysene	56	ND		ND		ND		ND		ND		ND		ND		0.74	J	ND		ND		ND		ND		ND		ND		ND		19		8.4	J	ND
Dibenzofuran	350	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		7.1	J	2.3	J	ND
Dibenzo(a,h)anthracene	0.56	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Di-n-octylphthalate	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Fluoranthene	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.31	J	0.42	J	ND		0.78	J	ND		51		21		ND
Fluorene	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		10		4.1	J	ND
Indeno(1,2,3-cd)pyrene	5.6	ND		ND		ND		ND		ND		ND		ND		1.9	J	ND		ND		1.8	J	1.8	J	ND		ND		ND		16		13		ND
Naphthalene	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		13		3.1	J	ND
Pentachlorophenol	6.7	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	R	ND		ND		ND
Phenanthrene	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.33	J	0.34	J	ND		ND		ND		53		21		ND
Phenol	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		0.26		ND		ND		ND		ND		ND		ND	R	ND		ND		ND
Pyrene	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.32	J	0.35	J	ND		0.89	J	ND		39		17		ND

Key:

Green highlighted cell with bold white font = Exceedance of NYSDEC Subpart 375-6.8(b) Restricted Commerical Use Soil Clean up

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

B = Analyte detected in the associated Method Blank

bgs = below ground surface

D = The compound concentration was obtained from a secondary dilution analysis (Organics).

E = Analyte compound concentration exceeded the Calibration Rage (Organics), or the concentration is estimated due to the presence of interferences, as determined by the serial dilution analysis (Inorganics).

J = Analyte detected below quantitation limits

M = Indicates that the duplicate injection precision was not met.

N = The analyte passed identification criteria and is considered to be positively identified (Organics), or the matrix spike recovery falls outside of the control limit (Inorganics).

ND = Not detected or not reportable

NG = No standard or guidance value

U = Not detected.

Table 3-3
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - November 2014

SB-05-1114-8-12-20141110 SB-46 11/10/2014 8-12 ft bgs		SB-05-1114-12-16-20141110 SB-46 11/10/2014 12-16 ft bgs		SB-05-1114-16-20-20141110 SB-46 11/10/2014 16-20 ft bgs		SB-06-1114-0-4-20141110 SB-47 11/10/2014 0-4 ft bgs		SB-06-1114-4-8-20141110 SB-47 11/10/2014 4-8 ft bgs		SB-06-1114-8-12-20141110 SB-47 11/10/2014 8-12 ft bgs		SB-06-1114-12-16-20141110 SB-47 11/10/2014 12-16 ft bgs		SB-06-1114-16-20-20141110 SB-47 11/10/2014 16-20 ft bgs		SB-07-1114-0-4-20141110 SB-48 11/11/2014 0-4 ft bgs		SB-07-1114-4-8-20141110 SB-48 11/11/2014 4-8 ft bgs		SB-07-1114-8-12-20141110 SB-48 11/11/2014 8-12 ft bgs		SB-07-1114-12-16-20141110 SB-48 11/11/2014 12-16 ft bgs		SB-07-1114-16-20-20141110 SB-48 11/11/2014 16-20 ft bgs		SB-08-1114-0-4-20141111 SB-49 11/11/2014 0-4 ft bgs		SB-08-1114-4-8-20141111 SB-49 11/11/2014 4-8 ft gs		SB-08-1114-8-12-20141111 SB-49 11/11/2014 8-12 ft bgs		SB-08-1114-12-16-20141111 SB-49 11/11/2014 12-16 ft bgs		SB-08-1114-16-20-20141111 SB-49 11/11/2014 16-20 ft bgs		SB-09-1114-0-4-20141111 SB-50 11/11/2014 0-4 ft bgs	
Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
	31000		17200		9860		ND		22200		5910		7440		5390		19300		11400		21500		8160		9520		7900		20000		29400		27100		13900	
	3	J	ND	U	6.3	J	ND		2.3	J	19.5	J	13.1		8.2	J	2.6	J-	ND		2.3	J	0.92	J	20	J	14.5	J	7.2	J	2.8	J	2.2	J	1.2	
	54.5		3.8		6.6		ND		57.2		28.9		24.5		8.2		46.4		33.9		67		7.5		29.8		16.3		50.1		109		106		5.6	
	159		96.2		526		ND		185		115		109		39.1		227	J	124		140		44.7		103		70.3		142		333		201		141	
	2.8		0.75		0.67		ND		2.4		1.7		1.4		0.85		2.2	J-	1.4		2.6		0.45		2.3		1.8		2.7		3		3		2.3	
	3.8		0.18	J	1.1		ND		3.4		4.9		4.1		1	J	5.7		3.5		ND		0.33		18.8		36.9		15.8		21		12.9		1.1	
	233000	B	37700	B	55400	B	ND		156000	B	37600	B	28200	B	37500	B	186000	J+	86500	B	177000	B	23200	B	66000	B	34300	B	171000	B	180000	B	198000	B	86900	B
	56.6		24.7		13.2		ND		40.5		12.8		17.3		5.4		367		508		50.7		13.3		58.5		44.6		51.4		86.4		49.7		22.7	
	24.7		16		6.8		ND		9.4		11.8		12.3		11		11		14.3		13.7		9.8		17.3		5		15		17.8		16.3		4.7	
	52.4		38.4		29		ND		46.6		30.4		31.2		29.7		46.1	J	29.3		49		17.3		290		141		125		85.5		51.4		24.6	
	18400		26700		34100	B	ND		18700	B	310000	B	232000	B	126000	B	17400	B	11100	B	25600	B	18200	B	265000	B	173000	B	88000	B	27100	B	19200	B	21900	B
	230		17		1010		ND		141		185		158		8.7		403		136		180		10.2		3670		5810		1790		370		244		238	
	6210		16200		1750		ND		3800		10300		6860		5950		9920	J	111000		4960		8410		11800		10400		5940		4670		4950		10700	
	285		551		531		ND		212		7280		7220		1530		308		192		325		271		7350		3130		2230		159		184		1420	
	0.023	J	ND	U	0.2		ND		0.059		0.034		0.034		ND		0.17		0.085		0.14		0.015	J	0.2		0.15		0.081		0.29		0.15		0.029	
	41		41.4		16.7		ND		27.3		19.3	J	23.2	J	8.4	J	23.1		123		27.7		27.3		54.8		36.3		54.8		35.8		37.1		15.9	
	22900		2630		1560		ND		24600		2750		5240		478		12400		7120		22700		2420		1030		1420		5220		21600		18500		1300	
	3.80	J	0.56	J	ND		ND		4.2	J	7.3	J	7.1	J	1.8	J	3.4	J	1.8	J	7		ND		9.6		11.8		7		16.7		7.3	J	0.61	J
	2.1		ND	U	ND		ND		1.7		ND		ND		ND		3.5		2		4.7		ND		3.3		5.1		4.6		15.5		8.9		ND	
	1260		252		571		ND		1300		329		380		651		505		323		1250		126	J	196	J	181	J	358		807		820		423	
	5.90	J	ND	U	ND		ND		3.9	J	ND		ND		ND		3.7	J	1.7	J	4.2	J	ND		6.6	J	11.8	J	6.4	J	17.1		9.1		ND	
	52.2		29.6		19		ND		51.7		18.3		22.5		20.1		28.7		73.3		40.4		14.8		17.8		12.1		43.4		43.5		64.2		15.6	
	965	B	79	B	773	B	ND		615	B	406	B	391	B	17	B	799	B	508	B	820	B	71.7	B	5250	B	7410	B	3440	B	3090	B	1380	B	509	B
	1.4	J	ND	U	ND		ND		2.2		ND		2.3		ND		1.1	J	0.68	J	ND		ND		25.8		34.4		3.3		2	J	ND		18	
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	ND		ND		0.16		0.14		ND		ND		ND		0.37		0.52	J-	ND		0.25		ND		ND		ND		ND		ND		ND		ND		ND	
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.34	J	ND		ND		ND		ND		ND		ND		ND	
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3.9	J	ND		ND		ND		ND	
	ND		ND		1.2	J	ND		ND		ND		ND		ND		ND		0.83	J	ND		ND		ND		2.3	J	0.037	J	ND		ND		ND	
	ND		ND		ND		ND		ND		ND		ND		ND		ND		1	J	ND		ND		ND		1.5	J	ND		ND		ND		ND	
	ND		ND		2.9		ND		ND		ND		ND		ND		ND		4.3	J	ND		ND		ND		9.5		ND		ND		ND		ND	
	0.92	J	ND		6.9		ND		0.45	J	ND		ND		ND		0.48	J	7.5		ND		ND		ND		7.3		0.07	J	ND		ND		0.45	J
	2.4	J	ND		6.4		ND		1.5	J	ND		ND		ND		1.4	J	7.2		ND		ND		2.3	J	ND		ND		ND		ND		1.9	J
	3.4	J	ND		7.8		ND		2.3	J	ND		ND		ND		2.1	J	9.1		ND		ND		3.5	J	ND		ND		ND		ND		2.9	J
	ND		ND		3.5		ND		ND		ND		ND		ND		ND		2.8	J	ND		ND		ND		ND		ND		ND		ND		ND	
	ND		ND		2.8		ND		ND		ND		ND		ND		ND		3.5	J	ND		ND		ND		ND		ND		ND		ND		ND	
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3.9		ND		ND		ND		ND	
	ND		ND		1.4	J	ND		ND		ND		ND		ND		ND		1.6	J	ND		ND		ND		ND		ND		ND		ND		ND	
	ND		ND		6.4		ND		ND		ND		ND		ND		ND		6.4		ND		ND		ND		14		0.11	J	ND		ND		ND	
	ND		ND		0.78	J	ND		ND		ND		ND		ND		ND		1.4	J	ND		ND		ND		3.4	J	ND		ND		ND		ND	
	ND		ND		2		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	1.7	J	ND		15		ND		1.5	J	ND		ND		ND		1	J	19		ND		ND		ND		31		0.28		ND		ND		0.73	J
	ND		ND		1.4	J	ND		ND		ND		ND		ND		ND		2.6	J	ND		ND		ND		16		0.066	J	ND		ND		ND	
	3.8	J	ND		4.1		ND		ND		ND		ND		ND		2.2	J	6		ND		ND		ND		ND		ND		ND		ND		3.3	J
	ND		ND		0.76	J	ND		ND		ND		ND		ND		0.56	J	1.3	J	ND		ND		ND		ND		ND		ND		ND		ND	
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	1.9	J	ND		11		ND		1.1	J	ND		ND		ND		1.3	J	17		ND		ND		ND		35		0.19	J	ND		ND		ND	
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	1.4	J	ND		12		ND		1.4	J	ND		ND		ND		0.84	J	13		ND		ND		ND		15		0.16	J	ND		ND		ND	

Table 3-3
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - November 2014

SB-09-1114-4-8-20141111 SB-50 11/11/2014 4-8 ft bgs		SB-09-1114-8-12-20141111 SB-50 11/11/2014 8-12 ft bgs		SB-09-1114-12-16-20141111 SB-50 11/11/2014 12-16 ft bgs		SB-09-1114-16-20-20141111 SB-50 11/11/2014 16-20 ft bgs		SB-10-1114-0-4-20141111 SB-51 11/11/2014 0-4 ft bgs		SO-BD-01-1114-0-4-20141111 SB-51 11/11/2014 0-4 ft bgs		SB-10-1114-4-8-20141111 SB-51 11/11/2014 4-8 ft bgs		SB-10-1114-8-12-20141111 SB-51 11/11/2014 8-12 ft bgs		SB-10-1114-12-16-20141111 SB-51 11/11/2014 12-16 ft bgs		SB-10-1114-16-20-20141111 SB-51 11/11/2014 16-20 ft bgs	
Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
6660		21200		15300		9060		8190		11800		7130		7240		26500		4980	
16.2	J	2.9	J	5.3	J	ND		ND	U	ND		ND	UJ	ND		ND		ND	
25.3		64.6		16.1		5.6		20.8	J	7.6	J	21.6		46.5		72.6		1.4	J
87.6		235		164		49		81.8		95.5		91.2		107		304		47	
1.8		2.8		1.3		0.7		2	J	1	J	1.7		2		3.3		0.27	
41.3		7.9		3.7		0.3	J	21.9	J	0.84	J	10.6		2.1		8.7		0.21	J
45600	B	199000	B	32700	B	4810	B	39400	JB	69500	J	35300	B	48900	B	188000	B	1810	B
133		52.7		27.8		13.2		55.8	J	17.9	J	77.7		39.4		53.6		6.5	
15.5		12.5		8.5		7.5		8.3		9.8		13.3		20.6		14.7		3.8	
283		47.6		36.5		31.4		139	J	30.6	J	240		70.2		66		6.9	
213000	B	26700	B	75000	B	13300	B	179000	B	24800	J	239000	B	322000	B	28200	B	6340	B
9450		254		159		16.6		4450	J	241	J	3320		407		324		8.2	
14700		3650		2990		2410		8330	J	19800	J	9080	J	15200		7500		1340	
5660		376		1400		105		3930	J	909	J	5890	J	9490		676		56.6	
0.28		0.11		0.029	J	0.024	J	0.19	J	0.1	J	0.18		0.53		0.31		0.012	J
118		32.6		32.5		25.9		43.5	J	25.7	J	81.7		44		38.5		9.7	
459		10900		15300		5540		562	J	2010	U	818		1000		8820		3390	
32		7.3		4.1		ND		5.2	J	ND	J	10		7.1	J	4.5	J	0.49	J
8.1		3.8		ND		ND		5	J	0.33		4.4		ND		6.3		ND	U
128	J	528		702		222	J	176	J	171		136	J	242		594		175	
6.2		7.1	J	ND		ND		8	J	ND	U	7.6	J	ND		7.6	J	ND	
15.5		36.5		26.9		24.4		13.2		21.1		16.9		23.7		43.1		15.4	
11200	B	1480	B	586	B	63.7	B	6060	B	326	J	4530	J-	1040	B	1290	B	30.3	B
29.9		48		ND		1	J	56.2		71.7		11.2	J	75.3		12.1		1.4	
ND		ND		ND		ND		ND		ND		ND		3.7		ND		ND	
ND		ND		0.29		0.1 (avail)	R	ND		ND		ND		0.34		ND		0.3	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
6	J	0.097	J	ND		ND		ND		ND		ND		ND		ND		ND	
3	J	0.059	J	ND		ND		ND		ND		ND		ND		ND		ND	
1.8	J	0.058	J	ND		ND		ND		ND		ND		ND		ND		ND	
10	J	0.19	J	ND		ND		ND		ND		ND		ND		ND		ND	
6.9	J	0.11	J	ND		ND		ND		ND		0.66	J	0.63	J	ND		ND	
ND		ND		ND		ND		ND		ND		ND		1.6	J	ND		ND	
ND		ND		ND		ND		2	J	1.4	J	ND		2.3	J	ND		ND	
ND		ND		ND		ND		ND		ND		0.27	J	0.31	J	ND		ND	
ND		ND		ND		ND		ND		ND		ND		0.4	J	ND		ND	
5.5	J	0.092	J	ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
12		0.19	J	ND		ND		ND		ND		1.2	J	ND		ND		ND	
3.1	J	0.06	J	ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND	U	ND		ND		ND	
29		0.48		ND		ND		ND		ND		1	J	0.82	J	ND		ND	
17		0.39		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		1.8	J	2.4	J	ND		ND	
3.1	J	0.039	J	ND		ND		ND		ND		ND		ND		6.2	J	ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
55		1		ND		ND		ND		ND		0.44	J	0.59	J	ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
15		0.34		ND		ND		ND		ND		1.2	J	0.77	J	ND		ND	

Table 3-3
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - November 2014

Sample ID		SB-52-0-4-052615		SB-52-4-8-052615		SB-52-8-12-052615		SB-52-12-16-052615		SB-52-16-20-052615		SB-53-0-4-052615		SB-53A-4-8-052615		SB-54-0-4-052615		SB-55-0-4-052615		SB-55-4-8-052615		SB-55-8-12-052615	
Sample Location		SB-52		SB-52		SB-52		SB-52		SB-52		SB-53		SB-53A		SB-54		SB-55		SB-55		SB-55	
Sampling Date		5/26/2015		5/26/2015		5/26/2015		5/26/2015		5/26/2015		5/26/2015		5/26/2015		5/26/2015		5/26/2015		5/26/2015		5/26/2015	
Sample Depth		0-4 ft bgs		4-8 ft bgs		8-12 ft bgs		12-16 ft bgs		16-20 ft bgs		0-4 ft bgs		4-8 ft bgs		0-4 ft bgs		0-4 ft bgs		4-8 ft bgs		8-12 ft bgs	
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**
Percent Moisture (%)	**NG**	**18**		**8.3**		**21**		**24**		**24**		**15**		**45**		**29**		**29**		**69**		**20**	
Aluminum	NG	8130		3970		7860		16500		15000	B	11200		32500		15400		23800		8750		13000	
Antimony	NG	0.43	BN	0.74	BN	0.66	BN	ND	UN	ND	U	0.88	BN	5.8	N	ND	UN	2	N	ND	UN	ND	UN
Arsenic	**16**			ND		ND		ND		7.6		ND		ND		ND		ND		4.5	*E	ND	
Barium	**400**	68.5		47.5		70.1		121		190	B	88		**409**		192		191		137		86.1	
Beryllium	590	0.69		0.25		0.48		1		0.92	B	1.1		4.4		2.6		4.1		0.92		0.71	
Cadmium	**9.3**	0.57		0.33		0.45		0.67		0.81		1.1		**15.1**		**11.1**		0.32		0.39	B	0.71	
Calcium	NG	65000		62400		82700		4120		8700	B	58200		215000		84400		149000		21900		42300	
Chromium[h]	1500	14.7		5.8		13.3		23.5		23		25.7		65.4		57.4		3.6		13.5		19.7	
Cobalt	NG	7.2		3.3		7.2		13.7		13		6.9		13.4		10.9		0.54	B	2.3	B	13.3	
Copper	**270**	26.7		17.3		20		31.1		31		45.6		79.5		44.8		6.7		36.3		30.9	
Iron	NG	17300		9290		16000		31000		36400		21100		29900		172000		6950		8230		33200	
Lead	1000	27.7		15.9		41.9		17.1		19	B	161		285		312		20.5		11		13.8	
Magnesium	NG	8110		5370		30900		5970		9000	B	22400		4480		3710		5070		1870		14200	
Manganese	10,000 [d]	525		317		472		212		400	B	706		173		3260		1420		163		429	
Mercury	**2.8**	0.022	J	0.0086	B	ND		0.035	B	0.014	B	ND		0.15		0.084		ND		0.035	B	0.014	B
Nickel	310	20.6		9.1		17.2		34.1		35		21.4		34.7		32.1		2.9		13.8		34.2	
Potassium	NG	889		985		3200		6660		5000	B	1150		14600		2170		1320		1880		1350	
Selenium	1500	1.5	B	0.65	B	0.71	B	1.4	B	1.2	J	1.1	B	8.5		ND	U	3.6		3.1	B	0.67	B
Silver	1500	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	11.6		ND	U	ND	U	ND	U	ND	U
Sodium	NG	384		158		369		303		260	B	446		1310		422		464		279		117	
Thallium	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	7		0.59	B	ND	U	ND		0.16	B
Vanadium	NG	16.2		7.3		18.5		30.7		29		21.1		61.7		32.6		5.5		14.6		24.3	
Zinc	**10,000** [d]	84.1		76.8		70.3		102		82	B	224		2050		869		67.1		32		67.8	
Cyanide, Total[h]	**27**	1.58		ND	U	ND	U	ND	U		U	1.45		ND	U	11.6		2.49		3.83		ND	U
2-Methylphenol	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
4-Methylphenol	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
2-Methylnaphthalene	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	500[b]	ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.16	J	ND	U	ND	U	ND	U
Acenaphthylene	500[b]	ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Anthracene	500[b]	ND		ND	U	0.17	J	ND	U	ND	U	0.24	J	ND	U	ND	U	ND	U	ND	U	ND	U
Benzo(a)anthracene	5.6	0.17	J	ND	U	0.32	J	ND	U	ND	U	0.71		0.17	J	0.15	J	ND	U	ND	U	ND	U
Benzo(a)pyrene	**1**[f]	0.15	J	ND	U	0.25	J	ND	U	ND	U	0.59		ND	U	0.14	J	ND	U	ND	U	ND	U
Benzo(b)fluoranthene	5.6	0.23	J	ND	U	0.33	J	ND	U	ND	U	0.83		ND	U	0.19	J	0.096	J	ND	U	ND	U
Benzo(g,h,i)perylene	500[b]	0.14	J	ND	U	0.15	J	ND	U	ND	U	0.42		ND	U	ND	U	ND	U	ND	U	ND	U
Benzo(k)fluoranthene	56	0.099	J	ND	U	0.14	J	ND	U	ND	U	0.36	J	ND	U	0.095	J	ND	U	ND	U	ND	U
Biphenyl (diphenyl)	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Carbazole	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	56	0.2	J	ND	U	0.35	J	ND	U	ND	U	0.66		0.22	J	0.17	J	ND	U	ND	U	ND	U
Dibenzofuran	350	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzo(a,h)anthracene	**0.56**	ND	U	ND	U	ND	U	ND	U	ND	U	0.12	J	ND	U	ND		ND	U	ND	U	ND	U
Di-n-octylphthalate	NG	ND		ND		ND		ND		ND		ND		ND		ND	U	ND	U	ND		ND	
Fluoranthene	500[b]	0.31	J	ND	U	0.68		ND	U	ND	U	1.4		0.16	J	0.24	J	0.096	J	ND	U	ND	U
Fluorene	500[b]	ND	U	ND	U	0.099	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Indeno(1,2,3-cd)pyrene	5.6	0.11	J	ND	U	0.15	J	ND	U	ND	U	0.46		ND	U	0.1	J	ND	U	ND	U	ND	U
Naphthalene	500[b]	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.38	J	0.55		ND	U	ND	U	ND	U
Pentachlorophenol	6.7	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Phenanthrene	500[b]	0.14	J	ND	U	0.66		ND	U	ND	U	0.79		0.9		0.18	J	ND	U	ND	U	ND	U
Phenol	500[b]	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	
Pyrene	500[b]	0.26	J	ND	U	0.56		ND	U	ND	U	1.1		0.16	J	0.18	J	ND	U	ND	U	ND	U

Key:

Green highlighted cell with bold white font = Exceedance of NYSDEC Subpart 375-6.8(b) Restricted Commerical Use Soil Clean up Objectives.

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

B = Analyte detected in the associated Method Blank
bgs = below ground surface

D = The compound concentration was obtained from a secondary dilution analysis (Organics).

E = Analyte compound concentration exceeded the Calibration Rage (Organics), or the concentration is estimated due to the presence of interferences, as determined by the serial dilution analysis (Inorganics).
J = Analyte detected below quantitation limits

M = Indicates that the duplicate injection precision was not met.

N = The analyte passed identification criteria and is considered to be

ND = Not detected or not reportable
NG = No standard or guidance value
U = Not detected.

Table 3-4
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - May 2015

SB-56-0-4-052615 SB-56 5/26/2015 0-4 ft bgs		SB-56-4-8-052615 SB-56 5/26/2015 4-8 ft bgs		SB-56-8-12-052615 SB-56 5/26/2015 8-12 ft bgs		SB-56-12-16-052615 SB-56 5/26/2015 12-16 ft bgs		SB-57-0-4-052715 SB-57 5/27/2015 0-4 ft bgs		SB-57-4-8-052715 SB-57 5/27/2015 4-8 ft bgs		SB-57-8-12-052715 SB-57 5/27/2015 8-12 ft bgs		SB-57-12-16-052715 SB-57 5/27/2015 12-16 ft bgs		SB-57-16-20-052715 SB-57 5/27/2015 16-20 ft bgs		SB-58-0-4-052715 SB-58 5/27/2015 0-4 ft bgs		SB-58-4-8-052715 SB-58 5/27/2015 4-8 ft bgs		SB-58-8-12-052715 SB-58 5/27/2015 8-12 ft bgs		SB-58-12-16-052715 SB-58 5/27/2015 12-16 ft bgs	
Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
35		**58**		**23**		**23**		**26**		**13**		**51**		**23**		**25**		**18**		**19**		**44**		**17**	
ND		11000		12800		16000	B	11600	E	12900	*E	12700	*E	14800	*E	18100	*E	15900	*E	11900	*E	21700	*E	9560	*E
ND		ND	UN	ND	UN	ND	U	ND	UN	ND	UN	4.8	N	ND	UN	ND	UN	ND	UN	ND	UN	1.4	BN	ND	UN
ND		7.9	*E	ND		17		14.1		6.9	*	18.3	*	11.1	*	21.8	*	13.2	*	11.4	*	28.2	*	4.7	*
ND		120		94.4		120	B	107		50.7		185		126		130		121		93.3		193		73.2	
ND		0.94		0.73		1.4	B	1.8	*E	0.78	*E	0.96	*E	0.83	*E	1	*E	1.9	*E	0.78	*E	1.5	*E	0.51	*E
ND		0.96		0.58		0.7		7.5	NE	0.72	NE	2.9	NE	0.55	NE	0.82	NE	1.4	NE	0.91	NE	4.9	NE	0.32	NE
ND		12600		43700		48800		48800	*E	65500	*E	17800	*E	37500	*E	31500	*E	74700	*E	61900	*E	51600	*E	26600	*E
ND		17.6		19.7		19		89.6	N*E	26.9	N*E	37.9	N*E	23.6	N*E	28.1	N*E	19.2	N*E	18.7	N*E	42.6	N*E	14.8	N*E
ND		4.6	B	13.4		14		8.2	E	14.6	E	12.4	E	15.1	E	18.5	E	8.9	E	10.6	E	14	E	9.1	E
ND		48.7		33.8		29		178	E	35.1	E	ND		38.2	E	39.6	E	41	E	27.5	E	64.8	E	27.2	E
ND		11700		26400		36100		139000		37100		80800		38400		47100		52800		40000		91000		17600	
ND		14.1		13		14	B	350		47.8		494		20.4		20.2		37.3		24.5		196		12.6	
ND		3230		14300		13000	B	9590	*E	8490	*E	3770	*E	14100	*E	13000	*E	14900	*E	16800	*E	9480	*E	12400	*E
ND		126		519		610	B	4100	E	811	E	1450	E	633	E	526	E	1810	E	770	E	1380	E	368	E
ND		0.031	B	0.0067	B	0.019	B	0.37		0.061		1.2		0.031	B	0.04	B	0.054		0.021	B	0.11		0.023	
ND		21.5		35.1		31		46.6		45		65.1		35.9		38.9		26.6		24.8		38.8		24	
ND		1530		1510		1700	B	2710		1490		1670		2250		3130		1850		2090		4600		1490	
ND		1.4	B	1.5	B	1	J	ND	UN	ND	UN	1.2	BN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN
ND		ND	U	ND	UN	ND	U	ND	U	ND	UN	0.65	B	ND	U	ND	U	ND	U	ND	U	0.5	BN	ND	U
ND		138		137		200	B	446	*E	174	*E	209	*E	146	*E	216	*E	295	*E	190	*E	544	*E	97.3	*E
ND		ND	U	ND	U	ND	U	1	*	0.2	B*	0.43	B*	ND	U*	ND	U*	0.46	B*	ND	U*	ND	U*	ND	U*
ND		23.9		25.2		26		24.8	*E	19.4	*E	34.9	*E	33.6	*E	39.1	*E	23.2	*E	25.9	*E	55.3	*E	20.2	*E
ND		63.9		74.3		66	B	922		91.5		630		86.5		87		167		120		788		59.7	
0.687		ND	U	ND	U	ND	U	ND		ND	U	ND	U	ND	U	ND		1.17		0.64		0.913		ND	U
ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND	U	ND	U	ND	U	220	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND		ND	U	ND	U	ND	U	0.13	J	0	U	0	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND		ND	U	ND	U	ND	U	1		0.29	J	0.12	J	ND	U	ND	U	0.14	J	ND	U	0.16	J	ND	U
ND		ND	U	ND	U	ND	U	1.7		0.47		0.23	J	ND	U	ND	U	0.14	J	ND	U	0.18	J	ND	U
ND		ND	U	ND	U	ND	U	2.2		0.58		0.3	J	ND	U	ND	U	0.25	J	ND	U	0.25	J	ND	U
ND		ND	U	ND	U	ND	U	1.6		0.43		0.18	J	ND	U	ND	U	0.11	J	ND	U	0.13	J	ND	U
ND		ND	U	ND	U	ND	U	0.86		0.2	J	0.13	J	ND	U	ND	U	0.079	J	ND	U	0.1	J	ND	U
ND		ND	U	ND		ND		0		0		0		ND		ND		0		ND		0		ND	
ND		ND		ND		ND		0		0		0		ND		ND		0		ND		0		ND	
ND		ND	U	ND	U	ND	U	1.2		0.31	J	0.26	J	ND	U	ND	U	0.18	J	ND	U	0.24	J	ND	U
ND		ND		ND		ND		0		0		0		ND		ND		0		ND		0		ND	
ND		ND	U	ND	U	ND	U	0.37	J	0.088	J	0	U	ND	U	ND	U	0	U	ND	U	0	U	ND	U
ND		ND		ND		ND		0		0		0		ND		ND		0		ND		0		ND	
ND		ND	U	ND	U	ND	U	1		0.33	J	0.27	J	ND	U	ND	U	0.18	J	ND	U	0.3	J	ND	U
ND		ND	U	ND	U	ND	U	0	U	0	U	0	U	ND	U	ND	U	0	U	ND	U	0	U	ND	U
ND		ND	U	ND	U	ND	U	1.6		0.45		0.19	J	ND	U	ND	U	0.13	J	ND	U	0.14	J	ND	U
ND		ND	U	ND	U	ND	U	0.1	J	0	U	0	U	ND	U	ND	U	0	U	ND	U	0	U	ND	U
ND		ND	U	ND	U	ND	U	0	U	0	U	0	U	ND	U	ND	U	0	U	ND	U	0	U	ND	U
ND		ND	U	ND	U	ND	U	0.46		0.19	J	0.16	J	ND	U	ND	U	0.088	J	ND		0.23	J	ND	U
ND		ND	U	ND	U	ND	U	0	U	0	U	0	U	ND	U	ND	U	0	U	ND	U	0	U	ND	U
ND		ND	U	ND	U	ND	U	0.98		0.27	J	0.23	J	ND	U	ND	U	0.16	J	ND	U	0.23	J	ND	U

Table 3-4
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - May 2015

SB-58-16-20-052715 SB-58 5/27/2015 16-20 ft bgs		SB-59-0-4-052715 SB-59 5/27/2015 0-4 ft bgs		SB-59A-8-12-052715 SB-59A 5/27/2015 8-12 ft bgs		SB-59A-12-16-052715 SB-59A 5/27/2015 12-16 ft bgs		SB-59A-16-20-052715 SB-59A 5/27/2015 16-20 ft bgs		SB-60-0-4-052715 SB-60 5/27/2015 0-4 ft bgs		SB-61-0-4-052715 SB-61 5/27/2015 0-4 ft bgs		SB-61-4-7-052715 SB-61 5/27/2015 4-7 ft bgs		SB-61A-0-4-052715 SB-61A 5/27/2015 0-4 ft bgs		SB-61A-4-8-052715 SB-61A 5/27/2015 4-8 ft bgs		SB-61A-8-12-052715 SB-61A 5/27/2015 8-12 ft bgs		SB-61A-12-16-052715 SB-61A 5/27/2015 12-16 ft bgs		SB-61A-16-20-052715 SB-61A 5/27/2015 16-20 ft bgs	
Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
28		**19**		**44**		**16**		**22**		**11**				**34**		**18**		**20**		**50**		**40**		**21**	
15000	*E	12300	*E	ND		ND		ND		ND		ND		28600		9090		33400		22200		18000		14500	
ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND		2	N	ND	UN	ND	UN	3.1	N	2.1	N	ND	UN
14.3	*z	5		34	*	7.3	*	11.3	*	7.6	*	ND		63.8	*	21.4	*	12.1	*	71.7	*	40.7	*	14.5	*
106		34.3		254		78.3		77.6		66.5		ND		239	*	117	*	316	*	247	*	145	*	113	*
0.81	*E	0.72	*E	ND		ND		ND		ND		ND		3.7		1.5		5.3		2.6		2		0.79	
0.53	NE	0.32	NE	ND		ND		ND		ND		ND		7.7		4.2		2		10.9		5.8		0.75	
27600	*E	106000	*E	ND		ND		ND		ND		ND		224000		112000		194000		173000		96800		49600	
22.8	N*E	20.7	N*E	ND		ND		ND		ND		ND		46.8		48		28.2		58.4		32.5		22.1	
15.9	E	10.4	E	ND		ND		ND		ND		ND		10.3		7.6		2.4	B	14.4		9		15	
30	E	22	E	ND		ND		ND		ND		ND		76.4		126		34.4		549		48.7		31.9	
43300		24600		125000		31600		34700		35900		ND		ND		ND		ND		ND		ND		ND	
16.2		17.2		176		13.8		18		24.4		ND		389		392		65.5		325		146		18.3	
13300	*E	6140	*E	ND		ND		ND		ND		ND		11900		11300		31600		6270		6150		14800	
699	E	803	E	ND		ND		ND		ND		ND		1380		2400		4310		1140		656		782	
0.019	B	0.018	B	0.051	B*	0.023		0.018	B	0.016	B	ND		0.11		1.5		0.18		0.22		0..077	N	0.014	BN
34.7		40.4		27.8		30.3		37.2		45.4		ND		23.9		35.6		13.8		41.4		25.4		32.8	
2420		2240		4650		1660		1910		2010		ND		12400		2300		4200		11700		9080		1720	
ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND		4.7		ND	U	0.6	B	5.3		4.4		ND	U
ND	U	ND	UN	ND	U	ND	U	ND	U	ND	U	ND		4.5		0.47	B	ND	U	5.6		3		ND	U
239	*E	140	*E	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND	U*	ND	U*	0.49	B*	ND	U*	ND	U*	ND	U*	ND		ND	U	0.73	B	ND	U	ND	U	0.39	B	ND	U
30.1	*E	17.1	*E	ND	*E	ND		ND		ND		ND		49.4		24.5		18.8		55.8		36.4		28.7	
78.7		32.9		663		69.6		71.1		62.7		ND		1330		646		212		2000		961		80.6	
0.674		ND	U	ND	U	ND	U	0.781		0.535		ND	U	1.79		5.07		2.79		2.31		0.681	J	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND		0.12	J	ND	U	ND	U	0.17	J	ND	U	ND	U
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND		0.53		0.17	J	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND		0.13	J	0.1	J	0	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND		0.52		0.5		0.18	J	ND	U	ND	U	ND	U
ND	U	0.11	J	0.12	J	ND	U	ND	U	0.14	J	ND		2		1.1		0.22	J	ND	U	ND	U	ND	U
ND	U	0	U	0.12	J	ND	U	ND	U	0.12	J	ND		2.9		1.4		0.16	J	ND	U	ND	U	ND	U
ND	U	0.12	J	0.16	J	ND	U	ND	U	0.2	J	ND		3.4		2		0.24	J	0.13	J	ND	U	ND	U
ND	U	0	U	0	U	ND	U	ND	U	0.085	J	ND		2.4		1.2		0.11	J	ND	U	ND	U	ND	U
ND	U	0	U	0.086	J	ND	U	ND	U	0.089	J	ND		1.4		0.61		0.097	J	ND	U	ND	U	ND	U
ND		0		0		ND		ND		0		ND		0		0		0		ND		ND		ND	
ND		0		0		ND		ND		0		ND		0		0		0		ND		ND		ND	
ND	U	0.095	J	0.16	J	ND	U	ND	U	0.25	J	ND		2.4		1.5		0.23	J	ND	U	ND	U	ND	U
ND		0		0		ND		ND		0		ND		0		0		0		ND		ND		ND	
ND	U	0	U	0	U	ND	U	ND	U	0	U	ND		0.63		0.34	J	0	U	ND	U	ND	U	ND	U
ND		0		0		ND		ND		0		ND		0		0		0		ND		ND		ND	
ND	U	0.19	J	0.22	J	ND	U	ND	U	0.11	J	ND		2.2		1.4		0.87		0.2	J	0.11	J	ND	U
ND	U	0	U	0	U	ND	U	ND	U	0	U	ND		0.37	J	0.45		0.14	J	ND	U	ND	U	ND	U
ND	U	0	U	0	U	ND	U	ND	U	0.09	J	ND		2.5		1.2		0.11	J	ND	U	ND	U	ND	U
ND	U	0	U	0	U	ND	U	ND	U	0	U	ND		0.35	J	0.3	J	0.3	J	ND	U	ND	U	ND	U
ND	U	0	U	0	U	ND	U	ND	U	0	U	ND		0	U	0	U	0	U	ND	U	ND	U	ND	U
ND	U	0.087	J	0.14	J	ND	U	ND	U	0	U	ND		1.7		1.7		0.66		ND	U	ND	U	ND	U
ND	U	0	U	0	U	ND	U	ND	U	0	U	ND		0	U	0	U	0	U	0.14	J	0.12	J	ND	U
ND	U	0.13	J	0.17	J	ND	U	ND	U	0.096	J	ND		2.5		1.5		0.6		0.17	J	ND	U	ND	U

Table 3-4
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - May 2015

SB-62-0-4-052715 SB-62 5/27/2015 0-4 ft bgs		SB-62-4-8-052715 SB-62 5/27/2015 4-8 ft bgs		SB-62-8-12-052715 SB-62 5/27/2015 8-12 ft bgs		SB-62-12-16-052715 SB-62 5/27/2015 12-16 ft bgs		SB-62-16-20-052715 SB-62 5/27/2015 16-20 ft bgs		SB-63-0-4-052815 SB-63 5/28/2015 0-4 ft bgs		SB-63-4-8-052815 SB-63 5/28/2015 4-8 ft bgs		SB-63-8-12-052815 SB-63 5/28/2015 8-12 ft bgs		SB-63-12-16-052815 SB-63 5/28/2015 12-16 ft bgs		SB-63-16-20-052815 SB-63 5/28/2015 16-20 ft bgs		SB-64-0-4-052815 SB-64 5/28/2015 0-4 ft bgs		SB-64A-0-4-052815 SB-64A 5/28/2015 0-4 ft bgs		SB-64A-4-8-052815 SB-64A 5/28/2015 4-8 ft bgs	
Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
22		**19**		**20**		**19**		**23**		**11**		**21**		**50**		**35**		**21**		**13**		**26**		**19**	
9710		5300		17200		14500		18300		5700		16200		27400		8510		14500		7540		5930		20300	
ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	2.5	N	ND	UN	ND	UN	ND	UN	2.8	N	ND	UN
13.5	*	9.4	*	**22.1**	*	4.4	*	**20**	*	9.9		13.1		**43.7**		4.6		7.2		12		**22.8**		10.4	
109	*	40.3	*	145	*	110	*	168	*	63.6		151		224		51.5		167		90.2		204		174	
1.2		0.71		4.7		0.81		0.98		1.1		3.8		3.9		0.4		0.81		1.5		0.98		4.1	
6		2.3		2.1		0.22	B	0.57		3.8		2.7		4.5		0.27	B	0.47		5.3		3		3.7	
53900		20600		156000		3120		36500		34000		86400		224000		4970		31300		45100		19000		122000	
46.3		13		9.5		22.5		27.7		48.7		16.4		55.9		14.2		22.8		102		54.6		9.9	
9.3		4.7		5.1		12.9		15.7		6.7		4.9		8.6		7.5		11.5		8		3		2.4	
111		18.4		13.9		26.9		34.3		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		22200	E	37400	E	104000		84800		32800		16500		35900		125000		103000		69000	
318		133		114		15.9		18.4		224		103		224		12.5		12.6		446		139		552	
6850		2930		21000		5650		12800		7110		17500		7170		3960		13300		8750		1410		25100	
2870		2460		3170		212		532		2280		5540		704		192		459		3370		606		4330	
0.078	N	0.045	N	0.011	BN	0.028	BN	0.022	BN	ND	U	0.12		0.022	B	0.019	B	0.011	B	0.29		**17.7**		0.9	
35.7		14.6		12.1		35.1		36.9		34.7		9.6		29		25.2		29.3		52.7		13.2		4.7	
1580		682		1250		3740		2660		1040		2140		27900		4900		2280		1490		4610		5260	
ND	U	ND	U	ND	U	ND	U	ND	U	3.1		5.7		12.1		2.9		3.4		2.2		8.3		4.6	
0.12	B	0.31	B	0.088	B	ND	U	ND	U	0.48	B	ND	U	2.3	B	ND	U	ND	U	0.068	B	6		3	
ND		ND		ND		145	E	257	E	ND		ND		ND		ND		ND		ND		ND		ND	
0.59	B	2.2		0.91	B	ND	U	ND	U	0.57	B	1.9		ND	U	ND	U	ND	U	0.47	B	ND	U	2.2	
33.5		15		14.4		25.7		38.5		17		19.8		60.5		20.2		28.7		17.1		37.4		14.5	
537		216		226		74		82.5		500		445		872		78.6		79.3		895		365		**18400**	
3.12		1.67		8.29		ND	U	ND	U	11.2		7.47		6.79		2.78		ND	U	9.82		**555**	D	**28.6**	
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND		ND		ND		ND	U	ND		ND		ND		ND		ND		ND		ND		ND		ND	
0.2	J	0.086	J	0.22	J	ND	U	ND	U	0.094	J	0.092	J	0.26	J	ND	U	ND	U	0.099	J	ND	U	ND	U
0	U	0	U	0.089	J	ND	U	ND	U	0	U	0	U	0	U	ND	U	ND	U	0	U	0.21	J	0	U
0.25	J	0.18	J	0.92		ND	U	ND	U	0.13	J	0.12	J	0.55	J	ND	U	ND	U	0.12	J	0		0	U
1.3		2.5		1.1		ND	U	ND	U	0.57		0.67		1.6		ND	U	ND	U	0.61		1.3		0.15	J
1.6		**3.7**		0.33	J	0.44		ND	U	0.72		0.9		**1.2**		ND	U	ND	U	0.92		0.8		0.13	J
2.3		4.8		0.47		ND	U	ND	U	0.99		1.2		2.1		ND	U	ND	U	1.3		1.6		0.19	J
1.4		3.1		0.39	J	ND	U	ND	U	0.63		0.71		1.1		ND	U	ND	U	1		0.64		0	U
0.57		1.8		0.5		ND	U	ND	U	0.45		0.53		0.55	J	ND	U	ND	U	0.51		0.63		0	U
0		0		0		ND		ND		0		0		0		ND		ND		0		0		0	
0		0		0		ND		ND		0		0		0		ND		ND		0		0		0	
1.5		3.1		1.7		ND	U	ND	U	0.66		0.84		1.7		ND	U	ND	U	0.69		1.6		0.18	J
0		0		0		ND		ND		0		0		0		ND		ND		0		0		0	
0.36	J	**0.78**		0	U	ND	U	ND	U	0.14	J	0.17	J	0.25	J	ND	U	ND	U	0.21	J	0.22	J	0	U
0		0		0		ND		ND		0		0		0		ND		ND		0		0		0	
1.7		2.5		1.9		ND	U	ND	U	0.82		0.89		2.1		ND	U	ND	U	0.65		1.8		0.23	J
0.088	J	0.1	J	1.6		ND	U	ND	U	0	U	0	U	0.68		ND	U	ND	U	0	U	0.28		0	U
1.4		3		0.28	J	ND	U	ND	U	0.67		0.78		1.1		ND	U	ND	U	1		0.78		0	U
0.11	J	0.14	J	0.37	J	ND	U	ND	U	0	U	0	U	0.48	J	ND	U	ND	U	0.082	J	0.75		0.23	J
0	U	0	U	0	U	ND	U	ND	U	0	U	0	U	0	U	ND	U	ND	U	0	U	2.7		0	U
1		0.78		5		ND	U	ND	U	0.49		0.39	J	2.3		ND	U	ND	U	0.38		2.3		0.13	J
0	U	0	U	0	U	ND	U	ND	U	0	U	0	U	0	U	ND	U	ND	U	0	U	0	U	0	U
1.5		2.7		2.6		ND	U	ND	U	0.75		0.8		2.4		ND	U	ND	U	0.61		1.4		0.17	J

Table 3-4
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - May 2015

SB-64A-8-12-052815 SB-64A 5/28/2015 8-12 ft bgs		SB-64A-12-16-052815 SB-64A 5/28/2015 12-16 ft bgs		SB-64A-16-20-052815 SB-64A 5/28/2015 16-20 ft bgs		SB-64A-16-20-052815 SB-64A 5/28/2015 16-20 ft bgs		SB-65-0-4-052815 SB-65 5/28/2015 0-4 ft bgs		SB-65-4-8-052815 SB-65 5/28/2015 4-8 ft bgs		SB-65-8-12-052815 SB-65 5/28/2015 8-12 ft bgs		SB-65-12-16-052815 SB-65 5/28/2015 12-16 ft bgs		SB-65-16-20-052815 SB-65 5/28/2015 16-20 ft bgs		SB-66-0-4-052815 SB-66 5/28/2015 0-4 ft bgs		SB-66-4-8-052815 SB-66 5/28/2015 4-8 ft bgs		SB-66-8-12-052815 SB-66 5/28/2015 8-12 ft bgs		SB-66-12-16-052815 SB-66 5/28/2015 12-16 ft bgs	
Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
35		**17**		**16**		**16**		**21**		**37**				**22**		**19**		**22**		**27**				**22**	
5760		11800		11700		11700		8970		15700	*	ND		12100	*	9720	*	5540	*	8720	*	ND		11700	*
ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND		ND	UN	ND	UN	ND	UN	ND	UN	ND		ND	UN
8.8		14.7		7.7		7.7		**17.2**		ND		ND		ND		ND		ND		ND		ND		ND	
62.7		92.5		72		72		128		176		ND		178		82.3		69		98.4		ND		78.7	
0.48		0.62		0.63		0.63		1.8		3.3	*	ND		0.63	*	0.45	*	0.98	*	1.5	*	ND		0.62	*
0.41		0.57		0.42		0.42		8		ND		ND		ND		ND		ND		ND		ND		ND	
7400		35400		37300		37300		47200		96900	*	ND		30800	*	27800	*	154000	*	57500	*	ND		3550	*
9.3		18.5		18.2		18.2		135		26	*	ND		18.9	*	15	*	26.2	*	50.9	*	ND		18.4	*
8.7		12.9		13.3		13.3		11.7		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		114		ND		34.4		19.8		160		108		ND		31.4	
11900		34900		32000		32000		159000		142000	*	ND		26600	*	16700	*	68100	*	136000	*	ND		31500	*
11.1		15.5		15.9		15.9		503		ND		ND		ND		ND		ND		ND		ND		ND	
1610		11500		12500		12500		10000		19900	*	ND		11300	*	10200	*	51200	*	7390	*	ND		5420	*
138		429		510		510		3450		3100		ND		338		290		1760		2300		ND		552	
0.02	B	0.011	B	ND	U	ND	U	0.17		0.1		ND		0.018	B	0.024	B	0.18		0.55		ND		0.012	B
13.9		31.6		30.9		30.9		86.8		ND		ND		ND		ND		ND		ND		ND		ND	
1880		1390		1580		1580		2040		4460		ND		2830		1440		1260		2250		ND		2090	
2.1		2.4		2.4		2.4		ND	U	7		ND		2		2.3		3		0.94	B	ND		2.8	
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND		ND	U	ND	U	ND	U	0.84	B	ND		ND	U
ND		ND	U	ND		ND		ND		433	*	ND		155	*	108	*	294		197	*	ND		125	*
ND	U	23.8		ND	U	ND	U	ND	U	ND	U	ND		ND	U	ND	U	ND	U	ND	U	ND		ND	U
25.4		85.4		23.3		23.3		22.3		ND		ND		ND		ND		ND		ND		ND		ND	
44.9		ND		82		82		1060		ND		ND		ND		ND		ND		ND		ND		ND	
8.49		3.31		2.10		2.10		5.7		13.6		ND		1.13		0.508	J	8.76		**28.4**		ND		0.905	
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND		ND	U	ND	U	ND	U	ND	U	ND		ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND		ND	U	ND	U	ND	U	ND	U	ND		ND	U
ND		ND		ND	U	ND	U	ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND	U	ND	U	ND	U	ND	U	0.13	J	ND	U	ND		ND	U	ND	U	150	J	90	J	ND		ND	U
ND	U	ND	U	ND	U	ND	U	0	U	0	U	ND		ND	U	ND	U	85	J	ND	U	ND		ND	U
ND	U	ND	U	ND	U	ND	U	0.17	J	0	U	ND		ND	U	ND	U	200	J	120	J	ND		ND	U
ND	U	ND	U	ND	U	ND	U	1		0.45	J	ND		ND	U	ND	U	1.1		0.61		ND		ND	U
ND	U	ND	U	ND	U	ND	U	**1.5**		0.73		ND		ND	U	ND	U	**1.7**		0.73		ND		ND	U
ND	U	ND	U	ND	U	ND	U	1.9		0.9		ND		ND	U	ND	U	2.3		0.98		ND		ND	U
ND	U	ND	U	ND	U	ND	U	1.5		0.69		ND		ND	U	ND	U	1.6		0.55		ND		ND	U
ND	U	ND	U	ND	U	ND	U	0.78		0.28	J	ND		ND	U	ND	U	0.67		0.43	J	ND		ND	U
ND		ND		ND		ND		0		0		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		0		0		ND		ND		ND		ND		ND		ND		ND	
ND	U	ND	U	ND	U	ND	U	1.2		0.83		ND		ND	U	ND	U	1.2		0.67		ND		ND	U
ND		ND		ND		ND		0		0		ND		ND		ND		ND		ND		ND		ND	
ND	U	ND	U	ND	U	ND	U	0.27	J	0.17	J	ND		ND	U	ND	U	0.35	J	0.15	J	ND		ND	U
ND		ND		ND		ND		0		0		ND		ND		ND		ND		ND		ND		ND	
ND	U	ND	U	ND	U	ND	U	1.3		0.36	J	ND		ND	U	ND	U	1.3		0.82		ND		ND	U
ND	U	ND	U	ND	U	ND	U	0	U	0	U	ND		ND	U	ND	U	ND	U	ND	U	ND		ND	U
ND	U	ND	U	ND	U	ND	U	1.5		0.65		ND		ND	U	ND	U	1.6		0.58		ND		ND	U
ND	U	ND	U	ND	U	ND	U	0	U	0	U	ND		ND	U	ND	U	0.11	J	0.21	J	ND		ND	
ND	U	ND	U	ND	U	ND	U	0	U	0	U	ND		ND	U	ND	U	ND	U	ND	U	ND		ND	U
ND	U	ND	U	ND	U	ND	U	0.71		0.27	J	ND		ND	U	ND	U	0.65		0.49		ND		ND	U
ND	U	ND	U	ND	U	ND	U	0	U	0	U	ND		ND	U	ND	U	ND	U	ND	U	ND		ND	U
ND	U	ND	U	ND	U	ND	U	1.3		0.59		ND		ND	U	ND	U	1.2		0.71		ND		ND	U

Table 3-4
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - May 2015

SB-66-16-20-052815 SB-66 5/28/2015 16-20 ft bgs		SB-67-0-4-052815 SB-67 5/28/2015 0-4 ft bgs		SB-67-4-8-052815 SB-67 5/28/2015 4-8 ft bgs		SB-67-8-12-052815 SB-67 5/28/2015 8-12 ft bgs		SB-67-12-16-052815 SB-67 5/28/2015 12-16 ft bgs		SB-67-16-20-052815 SB-67 5/28/2015 16-20 ft bgs		SB-68-0-4-052815 SB-68 5/28/2015 0-4 ft bgs		SB-68-4-8-052815 SB-68 5/28/2015 4-8 ft bgs		SB-68-8-12-052815 SB-68 5/28/2015 8-12 ft bgs		SB-68-12-16-052815 SB-68 5/28/2015 12-16 ft bgs		SB-68-16-20-052815 SB-68 5/28/2015 16-20 ft bgs		SB-69-0-4-052815 SB-69 5/28/2015 0-4 ft bgs		SB-69-4-8-052815 SB-69 5/28/2015 4-8 ft bgs	
Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
25		**36**		**30**		**40**		**23**		**17**		**25**		**31**		**21**		**57**		**23**		**18**		**33**	
17300	*	10900		9250		2820		12900		12600		9410		8100	*	9430	*	12600	*	13700	*	13200	*	7720	*
ND	UN	0.92	BN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	19.5	N	ND	UN
ND		**22.9**		**20.8**		10.9		6.7		10.7		15.7		ND		ND		ND		ND		ND		ND	
331		159		92		37.5		95.2		98.8		113		106		107		137		110		132		93.6	
0.88	*	1.9		1.4		0.32		0.68		0.62		1.8		1.4	*	1.7	*	1.2	*	0.77	*	2.4	*	1.5	*
ND		**10**		6.8		0.2	B	0.69		0.55		7.7		ND		ND		ND		ND		ND		ND	
27500	*	95000		49100		5670		42500		36000		53500		44400	*	62800	*	27400	*	34900	*	65200	*	51800	*
27.2	*	49.2		39.4		4.7		20.1		19.8		107		189	*	144	*	28.5	*	26.8	*	79.5	*	127	*
ND		12.8		8		3.5		13		12.6		10.2		ND		ND		ND		ND		ND		ND	
38.3		ND		ND		12.5	E	ND		ND		ND		**480**		**461**		90.1		39.9		**288**		202	
37900	*	179000		118000		5420		37300		30100		155000		222000	*	193000	*	93600	*	42900	*	139000	*	189000	*
ND		457		299		5		16.6		15.7		494		ND		ND		ND		ND		ND		ND	
13700	*	14500		9900		1330		13400		13300		14200		8810	*	11900	*	7790	*	13800	*	14900	*	8380	*
597		6720		3650		116		676		491		4110		4640		4590		2530		713		4370		4920	
ND	U	0.31		0.12		0.0079	B	0.0092	B	0.011	B	0.1		0.11		0.088		0.055	B	0.024	B	0.72		0.21	
ND		38.1		28.1		11.4		32.7		30.7		58.2		ND		ND		ND		ND		ND		ND	
2790		2460		3490		1840		1850		1710		1870		1500		2170		7890		2480		4710		2550	
2.7		ND	U	1.2	B	1.2	B	3.2		2.5		ND	U	ND	U	ND	U	7.4		2.8		ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
196	*	ND		ND		372	E	ND		ND		ND		217	*	314	*	1120	*	211	*	450	*	323	*
ND	U	2.5		ND	U	ND	U	ND	U	ND	U	0.62	B	ND	U	ND	U	1.2	B	ND	U	0.3	B	0.56	B
ND		29.2		25.1		7.1		26.2		23.7		22.3		ND		ND		ND		ND		ND		ND	
ND		1050		848		20		78.5		76.2		877		ND		ND		ND		ND		ND		ND	
ND	U	5.91		6.89		1.38		ND		ND	U	4.11		5.94		9.43		2.29		ND	U	5.23		4.48	
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	160	J	ND	U	ND	U	ND	U
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND	U	150	J	130	J	ND	U	ND	U	ND	U	ND	U	200	J	270	J	ND	U	ND	U	190	J	3	
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND		ND	U	ND	U	ND	U	ND	U	0.26	J
ND	U	240	J	99	J	ND	U	ND	U	ND	U	100	J	260	J	210	J	220	J	ND	U	230	J	0.83	
ND	U	0.66		0.33	J	ND	U	ND	U	ND	U	0.57		1		0.81		0.91		ND	U	0.8		0.8	
ND	U	0.64		0.46		ND	U	ND	U	ND	U	0.6		**1.1**		**1.2**		**1**		ND	U	0.98		0.76	
ND	U	0.9		0.6		ND	U	ND	U	ND	U	0.95		1.6		1.6		1.5		ND	U	1.3		1.1	
ND	U	0.54		0.47		ND	U	ND	U	ND	U	0.5		1		1.1		0.79		ND	U	0.87		0.57	
ND	U	0.39	J	0.23	J	ND	U	ND	U	ND	U	0.32	J	0.57		0.49		0.49		ND	U	0.49		0.46	J
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND	U	0.86		0.39	J	ND	U	ND	U	ND	U	0.69		1.2		1		1.3		ND	U	0.94		1.1	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND	U	0.14	J	0.094	J	ND	U	ND	U	ND	U	0.12	J	0.2	J	0.27	J	0.19		ND	U	0.21	J	0.16	J
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND	U	1		0.43	J	ND	U	ND	U	ND	U	0.82		1.4		1.2		1.4		ND	U	1.2		2.3	
ND	U	0.16	J	0.098	J	ND	U	ND	U	ND	U	ND	U	0.21	J	0.17	J	0.22		ND	U	0.13	J	2.8	
ND	U	0.51	J	0.45	J	ND	U	ND	U	ND	U	0.52		1		1.1		0.76		ND	U	0.85		0.59	
ND	U	0.21	J	0.31	J	ND	U	ND	U	ND	U	0.09	J	0.35	J	0.22	J	0.22		ND	U	0.11	J	ND	
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	1		0.42	J	ND	U	ND	U	ND	U	0.27	J	1.1		0.81		0.84		ND	U	0.88		4.4	
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	1		0.43	J	ND	U	ND	U	ND	U	0.82		1.6		1.2		1.4		ND	U	1.1		1.8	

Table 3-4
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - May 2015

SB-69-8-12-052815 SB-69 5/28/2015 8-12 ft bgs		SB-69-12-16-052815 SB-69 5/28/2015 12-16 ft bgs		SB-69-16-20-052815 SB-69 5/28/2015 16-20 ft bgs		SB-70-0-4-052915 SB-70 5/29/2015 0-4 bgs		SB-70-4-8-052915 SB-70 5/29/2015 4-8 bgs		SB-70-8-12-052915 SB-70 5/29/2015 8-12 bgs		SB-70-12-16-052915 SB-70 5/29/2015 12-16 bgs		SB-70-16-20-052915 SB-70 5/29/2015 16-20 bgs		SB-71-0-4-052915 SB-71 5/29/2015 0-4 bgs		SB-71-4-8-052915 SB-71 5/29/2015 4-8 bgs		SB-71-8-12-052915 SB-71 5/29/2015 8-12 bgs		SB-71-12-16-052915 SB-71 5/29/2015 12-16 bgs		SB-71-16-20-052915 SB-71 5/29/2015 16-20 bgs	
Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
36		**21**		**24**		**17**		**26**				**22**		**19**		**16**		**19**		**23**		**20**		**17**	
7590	*	12300	*	15300	*	9860		12000	*	ND		13000	*	14200	*	12200	*	12300	*	7160	*	13300	*	11900	*
ND	UN	ND	UN	ND	UN	ND	UN	0.92		ND		ND	U	ND	U	ND	U	0.97		ND	U	ND	U	ND	U
ND		ND		ND		15.9		**16.3**		ND		4.5		9.1		12.4		**27.1**		**43.7**		8		3.8	
87.9		78		96.9		81.8		122	*	ND		106	*	109	*	115	*	85.7	*	66.3	*	164	*	136	*
1.2	*	0.65	*	0.76	*	2.3		2.4		ND		0.77	*	0.76	*	2.3	*	2.6	*	1.7	*	0.76	*	0.61	*
ND		ND		ND		4.3		6.4		ND		0.31		0.5		3.5		6.2		**10**		0.46		0.29	
54900	*	36300	*	30200	*	80700		61300	*	ND		16200	*	29000	*	76100	*	76600	*	45300	*	47800	*	43300	*
29.5	*	19	*	24	*	18.6		52.7	*	ND		19.5	*	21.9	*	30.6	*	25.1	*	74.4	*	20	*	18.8	*
ND		ND		ND		4.7		6.9		ND		13.5		13.7		5		6.5		13.3		12.1		10.9	
93.8		33.6		38.7		ND		88.1	*	ND		29.1	*	33.2		141	*	75.3		163	*	33.2	*	29.5	*
128000	*	30200	*	345000	*	88800		108000	*	ND		24500	*	34100	*	79000	*	113000	*	201000	*	29100	*	20900	*
ND		ND		ND		151		197	*	ND		18.1	*	16.1	*	254	*	307	*	379	*	17	*	16.9	*
8070	*	12800	*	14100	*	20600		16200	*	ND		10900	*	13300	*	11100	*	15000	*	7770	*	12400	*	15700	*
2650		452		451		3470		3540	*	ND		478		540	*	3670	*	2290	*	3550	*	327	*	548	*
0.074		0.0074	B	0.016	B	0.17		ND		ND		0.02	B	0.014	B	0.0013		0.048	B	ND		0.015	B	0.0083	B
ND		ND		ND		11.8		32.2	*	ND		34.1	*	31.8	*	25.4	*	22.1	*	70.4	*	33.4	*	27.5	*
4950		1580		2450		1590		2850	*	ND		1850	*	2180	*	2220	*	1140	*	1450	*	1390	*	1910	*
2.8		2.4		1.9		1		ND	U	ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.95	B
0.13	B	ND	U	ND	U	0.059	B	ND	U	ND		ND	U	ND	U	0.45	B	0.61	B	0.26	B	ND	U	ND	U
564	*	136	*	176	*	ND		ND		ND		298	*E	ND		ND		ND		ND		ND		ND	
0.68	B	ND	U	ND	U	1		ND	U	ND		ND	U	ND	U	1.6		0.41	B	ND	U	ND	U	ND	U
ND		ND		ND		15		25.7	*	ND		22.7	*	28	*	17.3	*	26.3	*	42.8	*	26.7	*	25.1	*
ND		ND		ND		723		ND		ND		83	*E	ND		ND		ND		ND		ND		ND	
2.44		0.628		ND	U	4.77		5.3		4.24		0.967		0.498	J	6.7		3.94		3.66		ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
0.29	J	ND	U	ND	U	0.15	J	0.66		ND		ND	U	ND	U	0.55		ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
0.43	J	ND	U	ND	U	0.091	J	0.34	J	ND		ND	U	ND	U	1.2		0.15	J	0.093	J	ND	U	ND	U
2.1		ND	U	ND	U	0.31	J	1.3		ND		ND	U	ND	U	2.3		0.98		0.2	J	ND	U	ND	U
1.7		ND	U	ND	U	0.43		**2**		ND		ND	U	ND	U	**2.1**		**1.3**		0.14	J	ND	U	ND	U
2.5		ND	U	ND	U	0.59		2.2		ND		ND	U	ND	U	2.8		2.1		0.32	J	ND	U	ND	U
1.3		ND	U	ND	U	0.39	J	1.4		ND		ND	U	ND	U	1.5		1.2		0.15	J	ND	U	ND	U
0.83		ND	U	ND	U	0.22	J	0.95		ND		ND	U	ND	U	0.94		0.65		0.074	J	ND	U	ND	U
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1.9		ND	U	ND	U	0.38	J	1.4		ND		ND	U	ND	U	2.4		1.4		0.28	J	ND	U	ND	U
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
0.35	J	ND	U	ND	U	0.097	J	0.39	J	ND		ND	U	ND	U	0.41		0.31	J	ND	U	ND	U	ND	U
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2.3		ND	U	ND	U	4.3		1.5		ND		ND	U	ND	U	3.9		1.1		0.36	J	ND	U	ND	U
0.33	J	ND	U	ND	U	0.13	J	0.2	J	ND		ND	U	ND	U	0.49		0.099	J	0.088	J	ND	U	ND	U
1.3		ND	U	ND	U	0.42		1.6		ND		ND	U	ND	U	1.7		1.2		0.13	J	ND	U	ND	U
0.47	J	ND	U	ND	U	0.15	J	0.23	J	ND		ND	U	ND	U	0.27	J	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1.5		ND	U	ND	U	0.39	J	1		ND		ND	U	ND	U	3.8		0.71		0.43		ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
2		ND	U	ND	U	0.41		1.4		ND		ND	U	ND	U	3.6		1.2		0.34	J	ND	U	ND	U

Table 3-4
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - May 2015

SB-72-0-4-052915 SB-72 5/29/2015 0-4 bgs		SB-72-4-8-052915 SB-72 5/29/2015 4-8 bgs		SB-72-8-12-052915 SB-72 5/29/2015 8-12 bgs		SB-73-0-4-052915 SB-73 5/29/2015 0-4 bgs		SB-73-4-8-052915 SB-73 5/29/2015 4-8 bgs		SB-73-8-12-052915 SB-73 5/29/2015 8-12 bgs	
Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
16		**27**		**20**		**12**		**44**		**17**	
9230	*	7580	*	6390	*	507	*	14300	*	2050	*
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
11.4		15.2		3.6		3.2		**35.7**		1.3	
109		104	*	20.2	*	12.3	*	153	*	25.1	
1.5		1.4	*	0.13	B*	0.14	B*	2.5	*	0.14	B*
5.7		8		0.079	B	0.56		9.1		ND	U
49100	*	45200	*	2010	*	1350	*	59700	*	1700	*
88.7	*	63.9	*	8.5	*	22.3	*	32.8	*	3.2	*
8.9		11.1		1.2	B	4.5		11.3		2	
240	*	160	*	5.6	*	25.1	*	132	*	3.1	
137000	*	186000	*	11800	*	46000	*	182000	*	2950	*
363	*	324	*	12.8	*	28.8	*	195	*	3.8	*
11200	*	10800	*	425	*	92.3	*	3800	*	632	*
3340	*	6550	*	148	*	1290	*	2620	*	34	*
0.12		0.13		0.0077	B	0.037	B	0.057	B	0.012	B
47.7	*	30	*	5.8	*	13.1	*	25.3	*	4	*
1280	*	1940	*	1380	*	43.5	B*	6780	*	468	*
ND	U	ND	U	ND	U	0.66	B	ND	U	ND	U
ND	U	0.61	B	ND	U	0.4	B	ND	U	ND	U
ND		ND		910	*E	ND		ND		58.7	*E
ND	U	ND	U	ND	U	1.1		ND	U	ND	U
22.1	*	27.3	*	7.9	*	5.1	*	40.5	*	4.9	*
ND		ND		19.6	*E	ND		ND		15.4	*E
3.98		5.99		ND		1.01		4.91		ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND		ND		ND		ND		ND		ND	
0.17	J	0.11	J	1		ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
150	J	0.16	J	0.22	J	ND	U	ND	U	ND	U
0.71		0.69		3.4		0.19	J	0.13	J	ND	U
1.1		0.94		**5.2**		0.31	J	ND	U	ND	U
1.3		1.4		ND		0.44		0.19	J	ND	U
1		0.83		4.6		0.34	J	ND	U	ND	U
0.46		0.43	J	2.3		0.16	J	ND	U	ND	U
ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND	
0.74		0.9		4.1		0.23	J	0.17	J	ND	U
ND		ND		ND		ND		ND		ND	
0.22	J	0.2	J	**1.1**		0.087	J	ND	U	ND	U
ND		ND		ND		ND		ND		ND	
0.74		0.9		2.8		0.19	J	0.18	J	ND	U
ND	U	ND	U	0.15	J	ND	U	ND	U	ND	U
1		0.84		4.6		0.33	J	0.12	J	ND	U
0.11	J	0.13	J	0.95	J	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
0.52		0.58		0.83		0.11	J	0.17	J	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
0.81		0.88		2.9		0.19	J	0.16	J	ND	U

Table 3-4
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - May 2015

Sample ID		SB-74-0-14-20150824		SB-75-0-3.5-20150824		SB-76-0-8-20150825		SB-77-0-9-20150824		SB-78-0-14-20150825		SB-DUP1-20150825		SB-79-0-8-20150825	
Sample Location		SB-74		SB-75		SB-76		SB-77		SB-78		SB-78		SB-79	
Sampling Date		8/24/2015		8/24/2015		8/25/2015		8/24/2015		8/25/2015		8/25/2015		8/25/2015	
Sample Depth		0-14 ft bgs		0-3.5 ft bgs		0-8 ft bgs		0-9 ft bgs		0-14 ft bgs		0-14 ft bgs		0-8 ft bgs	
Parameter I+A5:AT5D	Unit	Concentration (pCi/g)	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag
Uranium-238	pci/g	0.75		0.846		1.19		0.488		0.644		0.594		0.761	
Uranium-234	pci/g	0.88		1.04		1.06		0.46		0.727		0.675		0.768	
Uranium-235	pci/g	0.05		0.0391		0.0713		0.0217		0.0212		0.0718		0.0538	
Actinium 227	pci/g	-0.04	U	0.00127	U	0.108	U	0.0166	U	-0.00527	U	0	U	0.444	U
Actinium 228	pci/g	0.42		0.403		1.22		0.209	U	0.327	U	0.549		0.727	
Bismuth-212	pci/g	0.27	U	0	U	0	U	0.189	U	0.235	U	0.191	U	0.495	U
Bismuth-214	pci/g	0.89		0.861		0.947		0.684		0.786		0.671		1.07	
Lead-210	pci/g	4.40		0.798	U	4.22		2.58		5.43		5.36		1.95	U
Lead-212	pci/g	0.43		0.415		0.918		0.388		0.458		0.445		0.849	
Lead-214	pci/g	0.88		1		1.31		0.715		0.714		0.914		0.868	
Potassium-40	pci/g	4.71		5.12		6.65		6.39		4.28		4.51		12.7	
Protactinium 231	pci/g	-0.24	U	0.0742	U	0.374	U	0.357	U	-0.0582	U	0.0033	U	0.0402	U
Radium-226	pci/g	0.89		0.861		0.947		0.684		0.786		0.671		1.07	
Radium-228	pci/g	0.42		0.403		1.22		0.209	U	0.327	U	0.549		0.727	
Thallium-208	pci/g	0.09	U	0.105		0.272		0.0247	U	0.191		0.0858	U	0.383	
Thorium-232	pci/g	0.42		0.403		1.22		0.209	U	0.327	U	0.549		0.727	
Thorium-234	pci/g	1.33	U	0.828	U	1.92		0.686	U	1.01	U	0.811	U	1.79	U
Thorium	mg/kg	4		3.1		5.1		1.3		2.9		3		3	
Uranium	mg/kg	2.9		2.6		3.2		1.1		2.3		2.2		0.85	
Alpha Radiation	pci/g	14.6		10.7		26.3		17.6		18.6		27.4		17.7	
Total Radium	pci/g	1.30		1.26		2.17		0.89		1.11		1.22		1.80	
Total Uranium	pci/g	1.68		1.93		2.32		0.97		1.39		1.34		1.58	

Key:

U = Not detected.

J = Estimated

Note:

1. Sample DUP-2 is a field duplicate of SB-87-0-12-20150826. The parent sample was inadvertenly combined with another sample at the laboratory and therefore was not analyzed.

2. The above parameters do not currently have cleanup guidance values.

Table 3-5
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - August 2015

SB-80-0-3.6-20150824 SB-80 8/24/2015 0-3.6 ft bgs		SB-81-0-6-20150825 SB-81 8/25/2015 0-6 ft bgs		SB-82-0-16-20150824 SB-82 8/24/2015 0-16 ft bgs		SB-83-0-12-082515 SB-83 8/25/2015 0-12 ft bgs		SB-84-0-10-082515 SB-84 8/25/2015 0-10 ft bgs		SB-85-0-10-082615 SB-85 8/26/2015 0-10 ft bgs		SB-86-0-8-082715 SB-86 8/27/2015 0-8.5 ft bgs		DUP-02 [1] SB-87 8/26/2015 0-12 ft bgs		SB-88-0-8-082515 SB-88 8/25/2015 0-8 ft bgs		SB-89-0-12-082615 SB-89 8/26/2015 0-12 ft bgs
Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration
0.61		0.584		0.639		0.621		0.767		1.67		1.39		0.563		0.954		0.865
0.751		0.52		0.627		0.583		0.814		1.67		1.41		0.549		1.01		0.809
0.0202		0.015	U	0.0382		0.0388		0.0587		0.0893		0.0627		0.0249		0.0351		0.0334
-0.0303	U	0.0168	U	0	U	0.287	U	0.216	U	0.00277	U	0.193	U	-0.34	U	0	U	0.272
0.311	U	0.157	U	0.596		0.941		0.791		1.27		0.392		0.38		1.56		0.566
0.343	U	0.113	U	0.369	U	0.607	U	0.734	U	0.456	U	0.443	U	0.22	U	0.899	U	0.774
0.875		0.618		0.896		0.94		1.06		1.69		1.43		0.772		1.36		0.774
1.5	U	7.69		0.995	U	3.19		1.8		-0.0259	U	1.36	U	2.36	U	1.99	U	1.59
0.36		0.431		0.777		0.464		0.757		1.05		0.845		0.467		1.25		0.739
0.807		0.68		0.944		1.05	J	1.17	J	1.93	J	1.65	J	0.726	J	1.41	J	1.21
2.7		2.9		16.8		10.9		2.36		6.39		3.34		4.88		4.16		3.42
-0.0856	U	0	U	0.53	U	0.164	U	0.647		0.19	U	-0.961	U	0.462	U	0.504	U	0.251
0.875		0.618		0.896		0.9		1.06		1.69		1.43		0.772		1.36		0.774
0.311	U	0.157	U	0.596		0.941		0.791		1.27		0.392		0.376		1.56		0.566
0.155		0.0996	U	0.287		0.103	U	0.221		0.433		0.237		0.118	U	0.511		0.202
0.311	U	0.157	U	0.596		0.941		0.791		1.27		0.392		0.376		1.56		0.566
0.568	U	0.241	U	0.603	U	0.463	U	1.08		2.95		1.23	U	0.295	U	0.724	U	0.286
2.2		2.4		2.9		3.1		2.8		5.9		3.9		2.20		1.9		3.1
1.5		1.9		1.1		1.7		1.8		3.8		3.9		1.30		1.2		1.9
14.5		30.5		17.1		17.5		16.3		39.6		22.2		18		33.5		19
1.19		0.78		17.1		1.84		1.85		2.96		1.82		1.15		2.92		1.34
1.38		1.12		1.30		1.24		1.64		3.43		2.86		1.14		2.00		1.71

Table 3-5
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - August 2015

SB-89-0-12-082615 SB-89 8/26/2015 0-12 ft bgs	SB-90-0-10-082615 SB-90 8/26/2015 0-10 ft bgs		SB-91-0-10-082615 SB-91 8/26/2015 0-10 ft bgs		SB-92-0-10-082615 SB-92 8/26/2015 0-10 ft bgs		SB-93-0-10-082615 SB-93 8/26/2015 0-10 ft bgs		SB-94-0-10-082715 SB-94 8/27/2015 0-10 ft bgs		SB-95-0-10-082715 SB-95 8/27/2015 0-10 ft bgs		SB-96-0-10-082715 SB-96 8/27/2015 0-10 ft bgs		SB-97-0-10-082615 SB-97 8/26/2015 0-10 ft bgs		SB-98-0-10-082615 SB-98 8/26/2015 0-10 ft bgs
Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration
	0.683		0.957		1.18		0.535		0.602		0.989		1.01		0.353		0.826
	0.757		0.966		1.1		0.591		0.67		0.976		1.03		0.408		0.877
	0.0236		0.0512		0.0683		0.0263		0.0335		0.0402		0.058		0.0108	U	0.0407
U	0.0875	U	0.0363	U	0.298	U	0.383	U	0.12	U	0.181	U	0.192	U	-0.00424	U	0.496
	0.493		0.507		0.454		0.799		0.422		0.412		1.11		0.469		0.619
U	0.692	U	0.00115	U	0.461	U	0.698	U	0.258	U	0.479	U	1.15		0.6	U	0.681
	0.926		1		1.25		0.765		0.885		1.26		1.29		0.667		0.868
U	2.24	U	1.32	U	2.56	U	1.78	U	0.981	U	3.01		1.29	U	0.689	U	2.46
	0.636		0.486		0.495		0.485		0.567		0.78		0.87		0.501		0.672
J	1.01	J	1.07	J	1.37	J	0.902	J	0.904	J	1.64	J	1.54	J	0.69	J	0.995
	3.8		2.16		2.18		4.79		2.38		2.47		3.48		1.42		4.46
U	0.555	U	0.183	U	0.34	U	0.0463	U	0.611	U	0.269	U	0.00235	U	-0.271	U	-0.491
	0.926		1		1.25		0.765		0.885		1.26		1.29		0.667		0.868
	0.493		0.507		0.454		0.799		0.422		0.412		1.11		0.469		0.619
	0.203		0.133		0.202		0.231		0.216		0.263		0.325		0.232		0.132
	0.493		0.507		0.454		0.799		0.422		0.412		1.11		0.469		0.619
U	1.43	U	0.802	U	0.481	U	0.505	U	1.03	U	1.13	U	1.62	U	0.755	U	0.737
	3		3.2		3.7		2.6		2.2		2.3		5		2.3		3.1
	1.6		2.7		3.3		1.2		1.2		1.8		2.9		0.68	U	2
	20.4		14.7		22.8		18.9		15.9		15.8		21.6		19.2		16.1
	1.42		1.51		1.70		1.56		1.31		1.67		2.40		1.14		1.49
	1.46		1.97		2.35		1.15		1.31		2.01		2.10		0.77		1.74

Table 3-5
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - August 2015

SB-98-0-10-082615 SB-98 8/26/2015 0-10 ft bgs
Qualifier Flag
U
U
J
U
U

Table 3-5
Buffalo Lakeside Commerce Park
Subsurface Soil Sample Results - August 2015

	Sample ID	SB-74-0-4-20151012		SB-74-4-8-20151012		SB-74-8-12-20151012		SB-DUP-1(SB-74-8-12)		SB-74-12-16-20151012		SB-74-16-20-20151012		SB-75-0-4-20151012		SB-75-4-8-20151012		SB-75-8-12-20151012	
	Sample Location	SB-99		SB-99		SB-99		SB-99		SB-99		SB-99		SB-100		SB-100		SB-100	
	Sampling Date	10/12/2015		10/12/2015		10/12/2015		10/12/2015		10/12/2015		10/12/2015		10/12/2015		10/12/2015		10/12/2015	
	Sample Depth	0-4 ft bgs		4-8 ft bgs		8-12 ft bgs		8-12 ft bgs		12-16 ft bgs		16-20 ft bgs		0-4 ft bgs		4-8 ft bgs		8-12 ft bgs	
Parameter ID	NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
Aluminum	NG	42600	B	40000	B	29200	B	14,500	B	26700	B	22400	B	31600	B	43000	B	42100	B
Antimony	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Arsenic	**16**	3.8		11.6		3.3	J	5.2		4.1		11.4		11.3		3.7		4.1	
Barium	**400**	332		280		190		82.6		181		129		234		287		255	
Beryllium	590	7.1		6.8		4.1		1.1		3.6		1.1		5		8		7.4	
Cadmium	9	0.13	J	ND		0.19	J	0.24	J	0.18	J	0.17	J	0.96				ND	
Calcium	NG	289000	B	281000	B	134000	B	26,000	B	115000	B	30200	B	135000	B	254000	B	252000	B
Chromium[h]	1500	4.2	B	5.9	B	4.9	B	14.0	B	8.5	B	29.8	B	15.8	B	2	B	2.2	B
Cobalt	NG	0.73		3		1		4.9		2.3		15.3		14.1		0.71		0.9	
Copper	**270**	3.4	J	7.2		8.4		16.9		8.2		28		30.4		ND		2.3	J
Iron	NG	6020		48500		6230		11,000		6510		31500		36800		5640		7430	
Lead	1000	10.5		0.87	J	4.5		9.1		5.6		16		112		2.5		4.5	
Magnesium	NG	8290		5400		3710		3,430		3660		14500		9010		6720		6620	
Manganese	10,000[d]	2230	B	2360	B	783	B	177.0	B	621	B	521	B	1440	B	999	B	1390	B
Nickel	310	2	BJ	9.6	B	4.5	BJ	18.6	B	6.9	BJ	39	B	16.4	B	1.5	BJ	3.3	BJ
Potassium	NG	1330		1240		1270		1,760		1350		5540		1530		1160		906	
Selenium	1500	5.2		5.5		3	J	ND		3.9	J	ND		3.6	J	6.8		3.6	J
Silver	1500	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	NG	446		513		385		119	J	372		338		389		444		509	
Thallium	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	NG	11.3		19		8.8		17.4		15.9		41.3		13		6.2		8.2	
Zinc	10,000[d]	36.9	B	2.5	B	21	B	51.2	B	28.4	B	80.8	B	232	B	11.4	B	11.5	B
Cyanide, Total[h]	27	1.8	T	4.1	T	ND		1.1	JT	3	T	ND		6.6	T	1.4	T	0.8	JT
Cyanide, Free	NG	ND		1.1	J	0.64	J	0.66	J	ND		ND		ND		ND		ND	
Acenaphthylene	500[b]	ND		ND		ND		ND		ND		ND		0.19	J	ND		ND	
Anthracene	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo(a)anthracene	5.6	ND		ND		ND		ND		ND		ND		0.97	J	0.032	J	ND	
Benzo(a)pyrene	**1**	ND		ND		ND		ND		ND		ND		**1.1**		0.031	J	ND	
Benzo(b)fluoranthene	5.6	ND		ND		ND		ND		ND		ND		2		0.051	J	ND	
Benzo(g,h,i)perylene	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo(k)fluoranthene	56	ND		ND		ND		ND		ND		ND		0.86	J	ND		ND	
Bis(2-ethylhexyl)phthalate	NG	0.074	JT	ND		ND		ND		ND		0.12	J	ND		ND		ND	
Chrysene	56	ND		ND		ND		ND		ND		ND		1.2		ND		ND	
Fluoranthene	500[b]	ND		ND		ND		ND		ND		ND		1.2		0.04	J	ND	
Indeno(1,2,3-cd)pyrene	5.6	ND		ND		ND		ND		ND		ND		0.82	J	ND		ND	
Naphthalene	500[b]	ND		ND		ND		ND		ND		ND		0.16	J	ND		ND	
Pentachlorophenol	6.7	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	500[b]	ND		ND		ND		ND		ND		ND		0.38	J	ND		ND	
Phenol	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Pyrene	500[b]	ND		ND		ND		ND		ND		ND		1.4		0.045	J	ND	

Key:

Green highlighted cell with bold white font = Exceedance of NYSDEC Subpart 375-6.8(b) Restricted Commerical Use Soil Clean up Objectives.

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

B = Analyte detected in the associated Method Blank
bgs = below ground surface
J = Analyte detected below quantitation limits
ND = Not detected or not reportable
NG = No standard or guidance value
T (organics) = result is a tentatively identified compound and an
T (inorganics) = indicates that quality control parameter exceeded laboratory limits.

Table 3-6
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

SB-75-12-16-20151012 SB-100 10/12/2015 12-16 ft bgs		SB-75-16-20-20151012 SB-100 10/12/2015 16-20 ft bgs		SB-76-0-4-20151013 SB-101 10/13/2015 0-4 ft bgs		SB-76-4-8-20151013 SB-101 10/13/2015 4-8 ft bgs		SB-76-8-12-20151013 SB-101 10/13/2015 8-12 ft bgs		SB-76-12-16-20151013 SB-101 10/13/2015 12-16 ft bgs		SB-76-16-20-20151013 SB-101 10/13/2015 16-20 ft bgs	
Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
80600	B	35300	B	12100		26700		37000		5700		16500	T
ND		ND		ND		ND		ND		ND		ND	
13		4		18.9		10.5		4.5		2.8		4.4	
412		182		125		203		229		27.6		129	
13.5		5.1		2.8		4.4		6.8		0.41		2.4	
0.2	J	0.04	J	2.2		0.31		0.091	J	0.095	J	0.39	
326000	B	120000	B	68400	B	114000	B	146000	B	3900	B	56900	BT
8.3	B	10.2	B	90.4		13.3		3.5		8.6		6.3	
3.9		6.7		6.9		4.2		1.4		7.5		1.9	
10.6		11.6		546		29.3		ND		16.7		10.6	
12400		14400		165000		37500		6100		8490		7940	T
11		7.3		399		84.7		6.1		7.9		7.6	
12300		8540		14300		4360		5390		1810		2680	T
2130	B	906	B	4640		1530		1430		88.4		549	T
12.4	BJ	18.1	B	42.1		16.2		3.1	J	23.9		5.9	JT
2040		1690		1840		1100		1200		1010		952	T
7.5	J	2.3	J	2.7	J	3.5	J	2.5	J	0.67	J	1.9	J
ND		ND		3.3		ND		ND		ND		ND	
885		347		239		627		626		87.4	J	250	
ND		ND		0.77	J	ND		ND		ND		ND	
17.5		16.3		29.1		12.8		6.4		17.4		9.4	T
43.1	B	33.7	B	749		107		14.3		34.1		32.7	T
2.3	JT	ND		4.1	T	15.5	T	0.96	JT	ND		ND	
ND		ND		ND		ND		ND		ND		ND	
ND		ND		0.21	J	ND		ND		ND		ND	
ND		ND		0.44	J	ND		ND		ND		ND	
ND		ND		3.3		0.044	J	ND		ND		ND	
ND		ND		2.7		0.051	J	ND		ND		ND	
ND		ND		3.6		0.067	J	ND		ND		ND	
ND		ND		1.7		0.065	J	ND		ND		ND	
ND		ND		1.8		0.035	J	ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND	
ND		ND		2.9		0.047	J	ND		ND		ND	
ND		ND		6.7		0.047	J	ND		ND		ND	
ND		ND		1.6		0.064	J	ND		ND		ND	
ND		ND		0.15	J	ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND	
ND		ND		0.96	J	ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND	
ND		ND		6		0.045	J	ND		ND		ND	

Table 3-6
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

	Sample ID	SS-1		SS-2	
	Sample Location	SS-1		SS-2	
	Sampling Date	9/19/2012		9/19/2012	
	Sample Depth	0 - 0.5 ft bgs		0 - 0.5 ft bgs	
Parameter ID	NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
Aluminum	NA	10300		8250	
Antimony	NA	2.2		3.3	
Arsenic	16	11.2		12	
Barium	400	140		99.2	
Beryllium	590	2.1		1.8	
Cadmium	9.3	7.1		6.5	
Calcium	NA	83000		49000	
Chromium	NA	81.2		53.6	
Cobalt	NA	5.2		4.7	
Copper	270	148		102	
Iron	NA	122000		97200	
Lead	**1000**	**1600**		**1700**	
Magnesium	NA	12400		8240	
Manganese	10000	2530		2130	
Nickel	310	40		29.9	
Potassium	NA	1850		1670	
Selenium	1500		U	3.3	
Silver	1500	1	B	2.2	
Sodium	NA	578		313	
Thallium	NA	6.1		5.6	
Vanadium	NA	17.6		19.9	
Zinc	10000	2020		1810	

Key:

Exceedance of Restricted Commerical Use Soil Clean up Objectives.

U = Non-detect

B = Compound was detected in the method blank.

Table 3-7
Buffalo Lakeside Commerce Park
Surface Soil Sample Results - September 2012

Sample ID		SS-01_01/21/2013		SS-02_01/21/2013		SS-03_01/21/2013		SS-04_01/21/2013		SS-05_01/21/2013	
Sample Location		SS-03		SS-04		SS-05		SS-06		SS-07	
Sampling Date		1/21/2013		1/21/2013		1/21/2013		1/21/2013		1/21/2013	
Sample Depth		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs	
Parameter ID	NYSDEC Part 371.2 Table 1. Maximum Concentration for TCLP Procedure	Concentration (ug/L)	Qualifier Flag	Concentration (ug/L)	Qualifier Flag	Concentration (ug/L)	Qualifier Flag	Concentration (ug/L)	Qualifier Flag	Concentration (ug/L)	Qualifier Flag
Aluminum	NL	ND		ND		ND		ND		ND	
Antimony	NL	ND		ND		ND		ND		ND	
Arsenic	5	ND	U	ND	U	ND	U	ND	U	ND	U
Barium	100	0.331		0.302		0.391		0.271		0.829	
Beryllium	.5	ND		ND		ND		ND		ND	
Cadmium	1	0.0254		0.0568		0.0276		0.01		0.011	
Calcium	NL	ND		ND		ND		ND		ND	
Chromium	5	ND	U	ND	U	0.0017	B	0.0008	B	0.0011	B
Cobalt	NL	ND		ND		ND		ND		ND	
Copper	NL	ND		ND		ND		ND		ND	
Iron	NL	ND		ND		ND		ND		ND	
Lead	5	0.0807		0.25		0.129		0.035		0.0578	
Magnesium	NL	ND		ND		ND		ND		ND	
Manganese	NL	ND		ND		ND		ND		ND	
Nickel	NL	ND		ND		ND		ND		ND	
Potassium	NL	ND		ND		ND		ND		ND	
Selenium	1.0	ND	U	ND	U	ND	U	ND	U	ND	U
Silver	5.0	ND	U	ND	U	ND	U	ND	U	ND	U
Sodium	NL	ND		ND		ND		ND		ND	
Thallium	NL	ND		ND		ND		ND		ND	
Vanadium	NL	ND		ND		ND		ND		ND	
Zinc	NL	ND		ND		ND		ND		ND	
Mercury	0.2	0.000099	B	0.000064	B	ND	U	0.000047	B	0.00004	B

Key:
U = Nondetect
B = Compound was detected in the Method Blank

Table 3-8
Buffalo Lakeside Commerce Park
Surface Soil Sample Results - January 2013

SS-06_01/21/2013 SS-08 1/21/2013 0 - 0.5 ft bgs	SS-06_01/21/2013 SS-08 1/21/2013 0 - 0.5 ft bgs	SS-07_01/21/2013 SS-09 1/21/2013 0 - 0.5 ft bgs		SS-08_01/21/2013 SS-10 1/21/2013 0 - 0.5 ft bgs		FD-01_01/21/2013 SS-10 1/21/2013 0 - 0.5 ft bgs	
Concentration (ug/L)	Qualifier Flag	Concentration (ug/L)	Qualifier Flag	Concentration (ug/L)	Qualifier Flag	Concentration (ug/L)	Qualifier Flag
ND		ND		ND		ND	
ND		ND		ND		ND	
ND	U	ND	U	ND	U	ND	U
0.579		0.48		0.517		0.583	
ND		ND		ND		ND	
0.0164		0.0276		0.0128		0.0115	
ND		ND		ND		ND	
ND	U	0.001	B	ND	U	ND	U
ND		ND		ND		ND	
ND		ND		ND		ND	
ND		ND		ND		ND	
0.0983		0.114		0.0288		0.0267	
ND		ND		ND		ND	
ND		ND		ND		ND	
ND		ND		ND		ND	
ND		ND		ND		ND	
ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	0.0074	B	ND	U
ND		ND		ND		ND	
ND		ND		ND		ND	
ND		ND		ND		ND	
ND		ND		ND		ND	
0.000059	B	0.000029	B	0.000056	B	ND	U

Table 3-8
Buffalo Lakeside Commerce Park
Surface Soil Sample Results - January 2013

Sample ID		SS-01-070914		SS-02-070914		SS-03-070914		SS-04-070914		SS-FD-01-070914		SS-05-070914		SS-06-070914		SS-07-070914		SS-08-070914		SS-09-070914		SS-10-070914		SS-FD-02-070914		SS-11-071014		SS-12-071014	
Sample Location		SS-11		SS-12		SS-13		SS-14		SS-14		SS-15		SS-16		SS-17		SS-18		SS-19		SS-20		SS-20		SS-21		SS-22	
Sampling Date		7/9/2014		7/9/2014		7/9/2014		7/9/2014		7/9/2014		7/9/2014		7/9/2014		7/9/2014		7/9/2014		7/9/2014		7/9/2014		7/9/2014		7/10/2014		7/10/2014	
Sample Depth		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs	
Parameter ID	NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
Aluminum	NG	11500		11100		8100		8800		13200		10700		12300		10100		10400		8590		8980		8070		8070	M	8780	M
Antimony	NG	0.53	B	ND	U	ND	U	2.3		0.96		ND	U	ND	U	ND	U	2		ND	U	1.6		0.83	B	0.41	BN	1.2	N
Arsenic	16[f]	7.8		5.6		12.8		14		10.3		12.9		12.7		13.8		**17.8**		11.2		**20.6**		**16.6**		ND	ME	ND	ME
Barium	400	261		158		103		102		127		127		125		106		131		103		**559**		**513**		85.7	M	ND	M
Beryllium	590	0.76		0.39		1.2		1.2		2.5		1.6		1.8		1.5		2.1		1.5		0.78		0.72		1.2	M	1.2	M
Cadmium	9.3	1.5		0.92		**10.8**		**11.6**		7.7		**9.9**		**11**		8.5		**14.9**		7		5.7		3.6		ND	NE	ND	NE
Calcium	NG	60800		87000		44100		44700		77500		52500		55700		49300		30800		55800		67200		64100		36400	M	49100	M
Chromium[h]	1500	19.5		15.4		110		158		102		88.4		61.2		75.6		79.6		53.6		60.2		44.3		105	NM	121	NM
Cobalt	NG	4.8		5.9		10		10.1		6.7		10		9.1		9.2		8.1		7.4		8.4		6.7		ND	E	ND	E
Copper	270	45.2		22.7		262		**376**		205		203		185		204		149		170		92.5		83.1		175		199	
Iron	NG	28700		18200		182000		198000		130000		172000		174000		164000		183000		141000		110000		64600		153000		151000	
Lead	1000	363		124		685		699		447		425		268		564		**1330**		319		828		650		ND	ME	ND	ME
Magnesium	NG	15900		20600		10400		9070		16400		10800		11200		11400		7570		12500		12700		13900		ND	ME	ND	ME
Manganese	10,000 [d]	713		518		4410		5030		4220		5520		5020		4440		3670		4100		2080		1610		3330	M	4160	M
Nickel	310	14.1		14.1		64.9		66		37.6		48.9		36.7		41.1		51.9		33.3		33.4		29.8		ND	E	ND	E
Potassium	NG	1430		2100		1080		1010		1380		1900		1750		2350		3110		1790		1330		1440		1300	M	1250	M
Selenium	1500	3.1		2.6		0.69	B	ND	U	0.52	B	ND	U	ND	U	1.2	B	ND	U	0.67	B	4		4.7		ND	U	ND	U
Silver	1500	ND	U	ND	U	0.73	B	0.41	B	0.42	B	0.52	B	0.42	B	0.87	B	4.2		0.51	B	ND	U	0.19	B	0.071	B	0.14	B
Sodium	NG	692		267		228		193		368		313		1130		274		565		244		352		289		223		202	
Thallium	NG	1.7		1.7		ND	U	2.3		4.2		1.9		2.1		0.42	B	2.5		0.36	B	2.7		2.7		ND	UNM	0.7	BNM
Vanadium	NG	21.6		26.9		26.4		33.1		25.7		35.3		24		24.7		19.9		21.1		42.1		28		ND	E	ND	E
Zinc	10,000 [d]	370		174		1120		720		555		768		1100		992		1620		695		970		784		ND	ME	ND	ME
Hexavalent Chromium[h]	400	ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
2-Methylphenol	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
4-Methylphenol	NG	0.15	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Acenaphthene	500[b]	3.2		0.85		0.11	J	0.24	J	0.16	J	0.15	J	0.15	J	0.41		0.42	J	0.28	J	1.4		1.7		0.12	J	0.19	J
Acenaphthylene	500[b]	1.1		0.21	J	ND	U	ND	U	ND	U	0.089	J	0.083	J	0.13	J	ND	U	0.13	J	0.82		0.76		0.097	J	0.12	J
Anthracene	500[b]	7.1	D	1.8		0.12	J	0.16	J	0.16	J	0.15	J	0.12	J	0.47		0.86		0.55		3.1		3.9		0.16	J	0.21	J
Benzo(a)anthracene	5.6	**17**	D	4.1		0.54		1.1		1.2		1.1		0.79		1.7		2.6		3.1		**6.9**	D	**10**	D	1		1.3	
Benzo(a)pyrene	1[f]	**13**	D	**3.2**		0.88		**2.1**		**2**		**1.7**		**1.2**		**2.5**		**2.4**		**3.3**		**7.7**	D	**9.7**	D	**1.5**		**2.4**	
Benzo(b)fluoranthene	5.6	**16**	D	4.4		1.3		2.7		2.5		2.3		1.8		3.4		4.4		4.5		**10**	D	**13**	D	1.9		3.1	
Benzo(g,h,i)perylene	500[b]	8.2	D	1.8		0.86		2		2		1.8		1.1		2.1		1.9		2.3		5		6.3	D	1.6		2.4	
Benzo(k)fluoranthene	56	4.3		1.9		0.47		1		0.94		0.91		0.62		1.2		1.6		1.9		3.9		4.9		0.77		1.2	
Chrysene	56	16	D	3.8		0.73		1.4		1.3		1.2		0.93		2.1		3.2		3.2		8.4	D	9.8	D	1.2		1.8	
Dibenzo(a,h)anthracene	0.56	**1.9**		0.56		0.17	J	0.42		0.43		0.39		0.27	J	0.53		0.56		**0.67**		**1.5**		**2.2**		0.36	J	**0.59**	
Fluoranthene	500[b]	35	D	7.4	D	0.78		1.4		1.3		1.1		1		2.8		5.4		5		16	D	20	D	1		1.5	
Fluorene	500[b]	3.4		0.96		ND	U	ND	U	ND	U	ND	U	ND	U	0.35	J	0.35	J	0.16	J	1.5		1.6		ND	U	ND	U
Indeno(1,2,3-cd)pyrene	5.6	**9.1**	D	2.1		0.83		2		1.9		1.8		1.1		2.2		1.9		2.7		**6.2**		**7.3**	D	1.5		2.5	
Naphthalene	500[b]	2.2		0.75		0.094	J	0.14	J	0.12	J	0.13	J	ND	U	0.49		0.27	J	0.078	J	0.55		0.6		0.079	J	0.17	J
Pentachlorophenol	6.7	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Phenanthrene	500[b]	30	D	6.8	D	0.42		0.63		0.56		0.43		0.37	J	1.9		3.7		1.7		11	D	14	D	0.42		0.6	
Phenol	500[b]	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Pyrene	500[b]	28	D	5.6		0.73		1.2		1.2		1.2		0.77		2.3		3.9		3.6		13	D	16	D	1.1		1.4	
Cyanide, Total[h]	27	0.55	BN	0.91	BN	8.7	N	2.3	N	4.2	N	ND	UN	6.7	N	4.8	N	16.8	N	4.1	N	1.8	N	ND	UN	2.3	M	4.5	M

Key:

Green highlighted cell with bold white font = Exceedance of NYSDEC Subpart 375-6.8(b) Restricted Commerical Use Soil Clean up Objectives.

(1) Semi-Volatile Organic Compounds were reported in the Analyitcal Reports in ug/Kg, or parts per billions (ppb). They were divided by 1,000 then reported in this table to match the standards measured in ppm.

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

B = Analyte detected in the associated Method Blank (Organics), or the analyses reported using CLP ILM-type metals dorms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit (Inorganics).

bgs = below ground surface

D = The compound concentration was obtained from a secondary dilution analysis (Organics).

E = Analyte compound concentration exceeded the Calibration Rage (Organics), or the concentration is estimated due to the presence of interferences, as determined by the serial dilution analysis (Inorganics).

J = Analyte detected below quantitation limits

M = Indicates that the duplicate injection precision was not met.

N = The analyte passed identification criteria and is considered to be positively identified (Organics), or the matrix spike recovery falls outside of the control limit (Inorganics).

ND = Not detected or not reportable

NG = No standard or guidance value

U = Not detected.

Table 3-9
Buffalo Lakeside Commerce Park
Surface Soil Sample Results - July 2014

SS-13-071014 SS-23 7/10/2014 0 - 0.5 ft bgs		SS-14-071014 SS-24 7/10/2014 0 - 0.5 ft bgs		SS-15-071014 SS-25 7/10/2014 0 - 0.5 ft bgs		SS-16-071014 SS-26 7/10/2014 0 - 0.5 ft bgs		SS-17-071014 SS-27 7/10/2014 0 - 0.5 ft bgs		SS-18-071014 SS-28 7/10/2014 0 - 0.5 ft bgs	SS-18-071014 SS-28 7/10/2014 0 - 0.5 ft bgs	SS-19-071014 SS-29 7/10/2014 0 - 0.5 ft bgs		SS-20-071014 SS-30 7/10/2014 0 - 0.5 ft bgs		SS-21-071014 SS-31 7/10/2014 0 - 0.5 ft bgs		SS-22-071014 SS-32 7/10/2014 0 - 0.5 ft bgs		SS-23-071014 SS-33 7/10/2014 0 - 0.5 ft bgs		SS-24-071014 SS-34 7/10/2014 0 - 0.5 ft bgs		SS-FD-03-071014 SS-34 7/10/2014 0 - 0.5 ft bgs		SS-25-071014 SS-35 7/10/2014 0 - 0.5 ft bgs		SS-26-071014 SS-36 7/10/2014 0 - 0.5 ft bgs		SS-27-071 SS-37 7/10/20 0 - 0.5 ft
Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)
7220	M	8730	M	8170	M	10500	M	8260	M	6850	M	6550	M	11600	M	8340	M	6170	M	6480	M	10000	M	13100	M	16400	M	7980	M	11200
0.84	N	ND	UN	ND	UN	1.3	N	0.53	BN	0.65	BN	0.55	BN	1.1	N	1.7	N	ND	UN	0.61	BN	ND	UN	ND	UN	0.39	BN	ND	UN	ND
ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	9.8		9.8		11.8		12.3		11.5		12.3		10.6		17.2		11.6		9.1
ND	M	ND	M	ND	M	ND	M	ND	M	ND	M	84.6		125		92.6		76.7		82.2		105		141		226		87.5		115
1.3	M	1.3	M	1.3	M	2.1	M	1.2	M	1.2	M	0.82	M	1.7	M	1.1	M	1.1	M	1	M	1.6	M	1.9	M	2.3	M	1.1	M	2.2
ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND
38400	M	45700	M	37300	M	73300	M	41300	M	33100	M	140000		68500		40100		37400		40000		45200		56000		81800		34400		60100
128	NM	153	NM	64	NM	158	NM	111	NM	144	NM	39.5	M	183	M	692	M	104	M	164	M	74.5	M	62.3	M	54.2	M	72.5	M	41.9
ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND
274		229		169		236		259		352		128		124		394		415		378		161		142		149		159		95.6
218000		158000		119000		156000		176000		249000		84500		161000		202000		216000		183000		164000		112000		130000		120000		85700
ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND
ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND
4450	M	3890	M	3210	M	3800	M	4480	M	9380	M	3170		3830		5220		4120		4470		3690		3230		3330		3240		2700
ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	NME	ND	NME	ND	NME	ND	NME	ND	NME	ND	NME	ND	NME	ND	NME	ND	NME	ND
1210	M	1120	M	1790	M	807	M	1420	M	719	M	830		1190		1820		828		942		2180		2060		1510		1110		1200
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	1.4	N	ND	UN	ND	UN	ND	UN	ND	UN	1.7	N	3.4	N	3.3	N	1.8	N	4.5
ND	U	0.38	B	1.7		0.23	B	0.58	B	1.3	B	0.42	B	ND	U	1.6		0.37	B	1.1	B	0.17	B	0.35	B	0.079	B	0.3	B	0.14
827		208		265		299		151		96.5		191		366		179		131		139		289		385		338		163		257
1.4	NM	ND	UNM	0.98	NM	3	NM	2.3	NM	ND	UNM	2.5		0.99		4.6		1.5		0.93	B	2.3		1.1		2.3		0.88	B	1.8
ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND
ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND
0.098	J	0.19	J	0.23	J	0.88		0.12	J	ND	U	0.081	J	ND	U	ND	U	0.1	J	ND	U	ND	U	0.087	J	0.1	J	0.08	J	0.12
ND	U	ND	U	0.22	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND
0.1	J	0.16	J	0.46		0.85		0.13	J	0.087	J	0.1	J	ND	U	ND	U	ND	U	ND	U	0.094	J	0.092	J	0.14	J	0.078	J	0.1
0.67		1.2		2.1		2.4		0.58		0.31	J	0.6		0.35	J	0.29	J	0.35	J	0.33	J	0.53		0.56		0.87		1.7		0.82
1		2.2		2.4		2.8		1.1		0.36	J	1.1		0.6		0.5		0.69		0.54		0.76		0.98		1.4		3.1		1.5
1.4		2.7		3.5		3.4		1.5		0.63		1.5		0.86		0.84		0.94		0.83		1.1		1.2		1.8		4.2		1.9
1.1		2.5		2.1		2.1		1.4		0.34	J	1.2		0.65		0.54		0.7		0.64		0.83		0.99		1.3		3.1		1.5
0.55		1		1.4		1.5		0.58		0.22	J	0.53		0.28	J	0.26	J	0.33	J	0.27	J	0.37	J	0.48		0.73		1.5		0.75
0.86		1.4		2.4		2.6		0.8		0.5		0.81		0.44		0.46		0.53		0.42		0.59		0.72		1.1		2.4		1.1
0.24	J	0.52		0.44		0.6		0.26	J	ND	U	0.26	J	0.14	J	ND	U	0.16	J	0	U	0	U	0.18	J	0.31	J	0.73		0.29
0.71		1.1		2.9		3.5		0.68		0.47		0.66		0.44		0.38		0.4		0.34	J	0.61		0.64		1.1		1.7		0.92
ND	U	ND	U	0.11	J	0.43		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND
1.1		2.4		2.3		2.4		1.3		0.32	J	1.2		0.62		0.54		0.74		0.63		0.78		0.99		1.3		3		1.4
0.11	J	0.27	J	0.15	J	0.75		0.13	J	0.14	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND
0.31	J	0.54		1.2		2.9		0.36	J	0.36	J	0.25	J	0.17	J	0.17	J	0.21	J	0.17	J	0.31	J	0.25	J	0.45		0.34	J	0.34
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND
0.7		1.1		2.4		2.8		0.62		0.43		0.64		0.38		0.35	J	0.37	J	0.3	J	0.57		0.61		1		2		0.98
6.2	M	2.2	M	8	M	4.9	M	5.4	M	6.3	M	1.6	M	ND	UM	3.4		4.7		4.4		1.1		1.8		ND	U	2.6		5.4

Table 3-9
Buffalo Lakeside Commerce Park
Surface Soil Sample Results - July 2014

014 14 bgs	SS-28-071014 SS-38 7/10/2014 0 - 0.5 ft bgs		SS-29-071014 SS-39 7/10/2014 0 - 0.5 ft bgs		SS-30-071014 SS-40 7/10/2014 0 - 0.5 ft bgs		SS-31-071014 SS-41 7/10/2014 0 - 0.5 ft bgs		SS-32-071014 SS-42 7/10/2014 0 - 0.5 ft bgs		SS-33-071114 SS-43 7/11/2014 0 - 0.5 ft bgs		SS-34-071114 SS-44 7/11/2014 0 - 0.5 ft bgs		SS-35-071114 SS-45 7/11/2014 0 - 0.5 ft bgs		SS-36-071114 SS-46 7/11/2014 0 - 0.5 ft bgs		SS-37-071114 SS-47 7/11/2014 0 - 0.5 ft bgs		SS-FD-04-071114 SS-47 7/11/2014 0 - 0.5 ft bgs		SS-38-071114 SS-48 7/11/2014 0 - 0.5 ft bgs		SS-39-071114 SS-49 7/11/2014 0 - 0.5 ft bgs		SS-40-071114 SS-50 7/11/2014 0 - 0.5 ft bgs		SS-41-071114 SS-51 7/11/2014 0 - 0.5 ft bgs	
Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
M	10100	M	7600	M	8250	M	9240	M	10200	M	9440		15000		7000		8840		20900		8920		9100		10400		3960		9180	
UN	1.7	N	ND	UN	ND	UN	ND	UN	ND	UN	1	NM	1.6	NM	1.6	NM	1.2	NM	0.63	BNM	0.66	BNM	2.9	NM	1.1	NM	0.82	NM	1.3	NM
	22.9		11.2		4.7		8.8		19		ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE
	97.5		87.7		41.2		101		106		95.7		146		85.9		98.2		196		91.6		96.5		120		28.3		106	
M	1.3	M	0.97	M	0.37	M	1.5	M	1.4	M	1.2		1.6		1.2		1.4		4.6		1.2		1.3		1.6		0.24		1.3	
E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E
	70200		35800		10300		46800		51000		38900		84700		46000		44400		107000		35600		44700		47200		53800		45700	
M	300	M	83.1	M	13.8	M	111	M	46.6	M	70.8	NM	42.1	NM	33.2	NM	93.7	NM	37.4	NM	61.3	NM	139	NM	101	NM	7.8	NM	104	NM
E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E
	222		208		21.2		163		104		151		109		127		189		116		191		206		191		19.7		178	
	230000		118000		29900		132000		145000		143000		95000		157000		157000		83300		125000		182000		161000		11600		161000	
E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E
E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E
	4310		3200		589		3170		4360		3680		2990		4090		3630		3720		3310		4510		3980		392		3700	
NME	ND	NME	ND	NME	ND	NME	ND	NME	ND	NME	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	NE
	1340		1380		880		1100		1680		1440		1730		938		1130		2130		1560		1240		1370		596		1290	
N	ND	UN	1.9	N	3	N	ND	UN	5	N	ND	UN	0.73	BN	ND	UN	ND	UN	1.2	BN	ND	UN	ND	UN	ND	UN	1.6	N	ND	UN
B	ND	U	0.17	B	ND	U	0.049	B	0.55	B	0.53	B	0.61	B	0.43	B	0.73	B	0.41	B	0.74	B	0.54	B	0.53	B	ND	U	0.5	B
	177		277		137		211		190		234	M	353	M	179	M	241	M	473	M	235	M	209	M	303	M	92.6	M	226	M
	0.42	B	1.2		1.2		2.3		1.8		ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	1.5	N	ND	UN
E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME
E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	605	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E
U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.68		ND	U
U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
J	0.11	J	0.15	J	ND	U	0.1	J	0.11	J	0.15	J	0.7		0.12	J	0.092	J	0.1	J	ND	U	0.33	J	0.082	J	ND	U	0.21	J
U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.13	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
J	0.12	J	0.13	J	ND	U	ND	U	0.088	J	0.13	J	1.3		0.097	J	0.1	J	0.1	J	0.11	J	0.26	J	0.088	J	ND	U	0.2	J
	0.77		0.93		1.4		0.72		0.86		1.3		3.2		0.65		0.85		0.99		0.87		1.9		0.65		0.36	J	1.3	
	1.5		1.5		2.5		1.3		1.3		2.4		3.8		1		1.4		1.7		1.5		3.3		1.2		0.42	J	2.4	
	1.9		1.9		3.3		1.6		1.8		3		5		1.2		1.8		2.1		2		3.9		1.6		0.52	J	3	
	1.5		1.5		2.4		1.4		1.2		2.3		2.8		0.95		1.5		1.8		2		2.9		1.3		0.38	J	2.3	
	0.66		0.68		1.3		0.62		0.56		1.2		1.8		0.51		0.69		0.81		0.77		1.4		0.55		0.25	J	1.1	
	0.99		1		2		0.85		1		1.8		3.5		0.72		0.97		1.1		1		2.3		0.84		0.38	J	1.5	
J	0.32	J	0.33	J	0.55		0.29	J	0.31	J	0.57		0.79		0.2	J	0.33	J	0.42		0.41	J	0.71		0.26	J	ND	U	0.54	
	0.94		0.97		1.4		0.66		0.81		1.4		5.9		0.65		0.79		0.89		0.8		2.1		0.65		0.54	J	1.5	
U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.73		ND	U	ND	U	ND	U	ND	U	0.091	J	ND	U	ND	U	ND	U
	1.4		1.5		2.3		1.3		1.2		2.3		3.1		0.97		1.4		1.7		1.9		3.2		1.3		0.35	J	2.4	
U	ND	U	ND	U	ND	U	ND	U	ND	U	0.08	J	0.68		ND	U	0.089	J	0.092	J	0.11	J	0.16	J	ND	U	ND	U	0.12	J
U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
J	0.39	J	0.44		0.25	J	0.24	J	0.34	J	0.42		4.5		0.33	J	0.32	J	0.31	J	0.3	J	0.92		0.26	J	0.25	J	0.65	
U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
	0.94		0.99		1.7		0.74		0.94		1.4		4.7		0.65		0.77		0.96		0.83		2.2		0.64		0.51	J	1.4	
	4.5		6.1		ND	U	2.5		ND	U	3.1	NM	ND	UNM	ND	UNM	6.8	NM	6.9	NM	ND	UNM	6.3	NM	4.3	NM	ND	UNM	ND	U

Table 3-9
Buffalo Lakeside Commerce Park
Surface Soil Sample Results - July 2014

SS-42-071114 SS-52 7/11/2014 0 - 0.5 ft bgs		SS-43-071114 SS-53 7/11/2014 0 - 0.5 ft bgs	SS-43-071114 SS-53 7/11/2014 0 - 0.5 ft bgs	SS-FD-05-071114 SS-53 7/11/2014 0 - 0.5 ft bgs		SS-44-071114 SS-54 7/11/2014 0 - 0.5 ft bgs		SS-45-071114 SS-55 7/11/2014 0 - 0.5 ft bgs		SS-46-071414 SS-56 7/14/2014 0 - 0.5 ft bgs		SS-47-071414 SS-57 7/14/2014 0 - 0.5 ft bgs		SS-FD-06-071414 SS-57 7/14/2014 0 - 0.5 ft bgs		SS-48-071414 SS-58 7/14/2014 0 - 0.5 ft bgs		SS-49-071414 SS-59 7/14/2014 0 - 0.5 ft bgs		SS-50-071414 SS-60 7/14/2014 0 - 0.5 ft bgs		SS-51-071414 SS-61 7/14/2014 0 - 0.5 ft bgs	
Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
9550		9210		9160		10300		12900		13500	M	7850	M	8620	M	8800	M	7850	M	10900	M	9050	M
2.2	NM	1.6	NM	1.6	NM	1.5	NM	1.9	NM	1.5	N	1.9	N	3	N	1.7	N	3.5	N	2.2	N	1.7	N
ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	14.5	M	13.9	M	15.7	M	10.5	M	13.5	M	15	M	12.4	M
101		120		105		105		117		117	M	74.3	M	81.4	M	118	M	108	M	108	M	86.3	M
1.5		1.6		1.5		1.7		1.7		1.2	M	1	M	1.1	M	1.3	M	1.1	M	1.5	M	0.99	M
ND	E	ND	E	ND	E	ND	E	ND	E	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME
48000		53000		44300		48200		54000		53400	M	31800	M	38000	M	38800	M	45900	M	35900	M	47400	M
71	NM	72.7	NM	108	NM	81.8	NM	88.7	NM	60.5	NM	130	NM	182	NM	88.3	NM	148	NM	113	NM	91.6	NM
ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E
169		238		188		146		187		242		216		227		161		338		208		106	
128000		128000		162000		138000		145000		107000		178000		178000		140000		179000		175000		99600	
ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E
ND	E	ND	E	ND	E	ND	E	ND	E	9340	M	7500	M	8260	M	8070	M	9420	M	7730	M	9300	M
3240		3540		2630		3560		4380		2770	M	4160	M	4410	M	2660	M	4560	M	3980	M	3380	M
ND	NE	ND	NE	ND	NE	ND	NE	ND	NE	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	ND	ME
1120		1290		1140		1600		1820		1330	M	1640	M	1590	M	1430	M	1200	M	3050	M	946	M
ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
0.6	B	0.35	B	0.35	B	0.5	B	0.96	B	0.55	B	1.3	B	1.1	B	0.95	B	0.94	B	0.67	B	0.49	B
237	M	353	M	270	M	269	M	444	M	228	M	260	M	208	M	209	M	223	M	329	M	174	M
ND	UN	ND	UN	ND	UN	ND	UN	ND	UN	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	ME	ND	ME	ND	ME	ND	ME	ND	ME	17.8	M	22.8	M	21.8	M	16.4	M	28.9	M	17.6	M	37.3	M
ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E	ND	E
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
0.16	J	0.13	J	0.12	J	0.13	J	0.13	J	0.082	J	0.11	J	0.15	J	0.097	J	0.17	J	0.16	J	0.078	J
0.12	J	ND	U	ND	U	0.094	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
0.3	J	0.12	J	0.12	J	0.16	J	0.15	J	0.24	J	ND	U	0.1	J	0.11	J	0.15	J	0.091	J	ND	U
1		0.85		0.86		0.9		0.89		0.78		0.87		1		1.3		1.1		0.91		0.43	
1.6		1.6		1.7		1.6		1.6		1.1		1.5		1.8		1.8		1.8		1.6		0.7	
2		1.9		2.1		1.9		2.1		1.7		2		2.4		2.5		2.4		2.1		1.1	
1.7		1.6		1.7		1.7		1.8		1.2		1.2		1.6		1.9		1.8		1.4		0.66	
0.79		0.68		0.85		0.79		0.71		0.63		0.84		0.88		0.93		0.77		0.76		0.33	J
1.3		1.1		1.1		1		1.2		0.95		1.1		1.4		1.6		1.2		1.1		0.56	
0.36	J	0.33	J	0.43		0.37	J	0.37	J	0.25	J	0.29	J	0.4		0.32	J	0.38	J	0.28	J	0.14	J
1.7		0.86		0.93		0.89		1.1		0.76		1		1.2		1.5		1.1		1		0.6	
0.12	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1.6		1.5		1.7		1.7		1.7		1.1		1.2		1.6		1.8		1.8		1.5		0.65	
0.083	J	0.11	J	0.12	J	0.14	J	0.1	J	ND	U	ND	U	ND	U	ND	U	0.14	J	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1.5		0.33	J	0.37	J	0.37	J	0.54		0.39		0.25	J	0.4		0.41		0.57		0.33	J	0.22	J
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1.8		1		1		0.95		1.1		0.99		0.91		1.5		1.8		1.3		0.97		0.49	
ND	UNM	1.9	NM	4.3	NM	ND	UNM	6.3	NM	4		3.7		0.79	B	ND	U	6.7		ND	U	ND	U

Table 3-9
Buffalo Lakeside Commerce Park
Surface Soil Sample Results - July 2014

	Sample ID	SS-01-1114-20141113		SS-02-1114-20141113		SS-03-1114-20141113		SS-04-1114-20141113		SS-05-1114-20141113		SS-06-1114-20141113		SS-07-1114-20141113		SS-08-1114-20141113		SS-09-1114-20141113		SS-10-1114-20141113	
	Sample Location	SS-62		SS-63		SS-64		SS-65		SS-66		SS-67		SS-68		SS-69		SS-70		SS-71	
	Sampling Date	11/13/2014		11/13/2014		11/13/2014		11/13/2014		11/13/2014		11/13/2014		11/13/2014		11/13/2014		11/13/2014		11/13/2014	
	Sample Depth	0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs	
Parameter ID	**NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Qualifier Flag**	**Concentration (mg/kg)**	**Q Flag**
Aluminum	NG	12800		10800		7450		8540		8090		10200		14500		11400		14400		5410	
Antimony	NG	2.4	J	7	J	22.7		11	J	3	J	2.3	J	7.1	J	2.6	J	3.5	J	1.9	J
Arsenic	16[f]	10.4		14.8		20.6		14.8		9.4		8.4		14.6		7.8		15.1		5.7	
Barium	400	44.2		94.5		95.8		112		179		100		124		78.6		130		47.2	
Beryllium	590	0.48		1.7		1.6		1.9		0.66		0.57		1.5		0.7		1.3		0.44	
Cadmium	9.3	0.45		4.2		16.2		9.3		1.4		0.83		6.7		1.5		2.1		0.78	
Calcium	NG	4870	B	45900	B	34000	B	35100	B	61500	B	26700	B	45700	B	56100	B	113000	B	69600	B
Chromium[(h)]	1500	14.4		41.9		126		75.4		21.6		22.2		47.4		24.8		39.3		9.3	
Cobalt	NG	8.3		7.9		10		6.1		6.8		9		10.2		10.3		7		4	
Copper	270	28.2	B	121	B	360	B	128	J	80.9	B	37.7	B	147	B	43.4	B	96.5	B	20.3	B
Iron	NG	26000	B	76000	B	198000	B	109000	B	35300	B	22200	B	78900	B	34200	B	37900	B	22000	B
Lead	1000	47.9		1160		5570		2400		310		102		1970		356		425		177	
Magnesium	NG	3440		7620		6740		9360		16200		8580		10100		12500		11600		25800	
Manganese	10,000[d]	522	B	1780	B	3620	B	2550	B	929	B	603	B	2180	B	795	B	1070	B	600	B
Mercury	2.8	0.045		0.15		0.29		0.065		0.15		0.044		0.19		0.1		0.086		0.042	
Nickel	310	17.3		45.3		88.6		58.7		23.9		27.8		41.8		32.1		25.1		10.2	
Potassium	NG	831		1300		656		1780		1330		1050		2050		1710		1450		966	
Selenium	1500	1.3	J	1.6	J	5.8		3.7	J	0.52	J	0.98	J	4.4	J	0.92	J	1.8	J	ND	
Silver	1500	ND		1.8		2.6		3.6		ND		ND		2.8		ND		0.49	J	ND	
Sodium	NG	59.4	J	127	J	75	J	296		167		153	J	123	J	137	J	342		147	J
Thallium	NG	ND		1.60	J	6.00	J	4.70	J	ND		ND		5.30	J	ND		ND		ND	
Vanadium	NG	21.1		36.8		19.4		20.1		17.4		17.9		25.3		22.8		25.3		11.2	
Zinc	10,000[d]	118	B	1470	B	5330	B	2540	B	455	B	165	B	2930	B	577	B	584	B	240	B
Cyanide, Total[(n)]	27	9.4		13.2		18.6		35.6	J	1.5		1.1	J	14.4		4.1		3.1	J	3.3	
Cyanide, Free	NG	0.4	UJ	0.86	U	1.9	U	0.87	U	1	U	1.6	U	0.79	U	1.2	U	0.44	U	1.1	U
Cyanide, Available	NG	ND		ND		ND		ND		0.043	J	ND		ND		ND		0.16		ND	
2-Methylphenol	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-Methylphenol	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-Methylnaphthalene	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	500[b]	ND		ND		ND		ND		0.37	J	ND		ND		ND		ND		ND	
Acenaphthylene	500[b]	ND		ND		ND		ND		ND		0.75	J	ND		ND		ND		ND	
Anthracene	500[b]	ND		ND		ND		ND		1.1	J	ND		ND		ND		ND		ND	
Benzo(a)anthracene	5.6	0.16	J	0.3	J	0.19	J	0.26	J	3.5		3.3	J	0.49	J	0.31	J	0.67	J	0.31	J
Benzo(a)pyrene	1[f]	0.58	J	0.87	J	0.82	J	0.58	J	3.8		4.8		1.3	J	1	J	2.3	J	1	J
Benzo(b)fluoranthene	5.6	0.95	J	1.3		1.2		1.1		5.2		6.9		2.1		1.6	J	3.4	J	1.6	J
Benzo(g,h,i)perylene	500[b]	0.15	J	0.41	J	0.18	J	0.29	J	2.1		2.2	J	0.37	J	ND		0.47	J	ND	
Benzo(k)fluoranthene	56	ND		0.26	J	ND		0.23	J	1.6	J	1.3	J	ND		ND		ND		ND	
Biphenyl (diphenyl)	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Carbazole	NG	ND		ND		ND		ND		0.43	J	ND		ND		ND		ND		ND	
Chrysene	56	ND		0.42	J	0.42	J	0.48	J	3.4		3.3	J	0.61	J	ND		ND		ND	
Dibenzofuran	350	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzo(a,h)anthracene	0.56	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Di-n-octylphthalate	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Fluoranthene	500[b]	0.2	J	0.48	J	0.26	J	0.4	J	6.8		7.1		0.78	J	0.51	J	1	J	0.39	J
Fluorene	500[b]	ND		ND		ND		ND		0.39	J	ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	5.6	0.97	J	1.2		0.96	J	1		3.2		4.9		1.9	J	1.7	J	3.5	J	1.7	J
Naphthalene	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Pentachlorophenol	6.7	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	500[b]	ND		0.26	J	0.34	J	0.24	J	4.2		3.3	J	0.4	J	ND		0.66	J	0.31	J
Phenol	500[b]	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Pyrene	500[b]	0.18	J	0.42	J	0.25	J	0.34	J	5.5		5.5		0.66	J	0.42	J	0.89	J	0.35	J

Table 3-10
Buffalo Lakeside Commerce Park
Surface Soil Sample Results - November 2014

	Sample ID	SS-72-101315		SS-73-101315		SS-74-101315		SS-75-101315		SS-76-101315		SS-77-101315	
	Sample Location	SS-72		SS-73		SS-74		SS-75		SS-76		SS-77	
	Sampling Date	10/13/2015		10/13/2015		10/13/2015		10/13/2015		10/13/2015		10/13/2015	
	Sample Depth	0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs		0 - 0.5 ft bgs	
Parameter ID	NYSDEC Subpart 375-6.8(b) Restricted Commercial Use Soil Cleanup Objectives	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Q Flag	Concentration (mg/kg)	Q Flag
pH (SU)		8.75		8.78		8.86		8.71		8.81		8.88	
Aluminum	NG	9330		22000		14500		8160	T	7470		9880	
Antimony	NG	ND		ND		ND		ND		ND		14.3	
Arsenic	16[f]	**16.2**		8.1		6.8		4.4		**18.8**		ND	
Barium	400	106		189		87.4		46.2	T	84		121	
Beryllium	590	1.6		3.5		0.71		0.73		1.4		2	
Cadmium	9.3	2.8		1.2		0.28		0.28		3.3		2.9	
Calcium	NG	38800	B	99700	B	43600	B	116000	BT	32600	B	45800	B
Chromium[(h)]	1500	121		23.6		20.1		11.3		232		140	
Cobalt	NG	8.6		5.1		10.7		5.7		11.8		11.5	
Copper	270	232		33.7		22.7		14.9	T	**337**		256	
Iron	NG	162000		34100		21800		14200	T	255000		184000	
Lead	1000	616		127		15.5		20.8	T	**1130**		731	
Magnesium	NG	8280		11400		17200		45400	T	8400		10800	
Manganese	10,000[d]	4010		1260		389		599	T	5460		4250	
Mercury	2.8	ND		0.064		ND		0.015	JT	0.12		0.19	
Nickel	310	ND		17.3		27.3		16.5		132		96.6	
Potassium	NG	1660		1800		3750		2310	T	1140		1340	
Selenium	1500	1.8	J	1.3	J	ND		ND		6.3	J	3.8	
Silver	1500	3.9		0.62	J	0.23	J	ND		5.2		3.8	
Sodium	NG	276		399		183		237		151	J	ND	
Thallium	NG	ND		ND		ND		ND		ND		0.64	J
Vanadium	NG	30.1		15.8		28.4		13.6	T	34.8		27.5	
Zinc	10,000[d]	997		350		68.2		47.6	T	1240		1140	

Key:

J = Estimated

B = Analyte detected in method blank

T = indicates that quality control parameter exceeded laboratory limits.

Table 3-11
Buffalo Lakeside Commerce Park
Surface Soil Sample Results - October 2015

	Sample ID	GW-TP-01-071014		GW-TP-02-071014		GW-TP-03-071014		GW-TP-05-071514		GW-TP-06-071514		GW-TP-07-071514		GW-TP-08-071114		GW-DUP-01-071114	
	Sample Location	TP-01		TP-02		TP-03		TP-05		TP-06		TP-07		TP-08		TP-08	
	Screened Depth	10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs	
	Sampling Date	7/10/2014		7/10/2014		7/10/2014		7/15/2014		7/15/2014		7/15/2014		7/11/2014		7/11/2014	
Parameter ID	NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag
Temperature (°C)		13.42		16.37		15.46		15.52		17.46		18.51		15.66		15.66	
Specific Conductivity (ms/cm)		1.308		1.962		0.602		0.882		2.936		1.007		1.655		1.655	
Dissolved Oxygen (mg/L)		0.26		0.3		0.22		0.61		0.22		0.54		0.08		0.08	
pH (SU)	8.5	7.72		7.93		8.25		7.51		9.77		8.03		11.63		11.63	
Oxidation-Reduction Potential (mV)		-138.9		-81		-137.6		-133.8		-205.7		-131.2		-370.8		-370.8	
Turbidity (NTU)		10		16		275		11		452		10		9		9	
Depth to Water-TC (ft btoc)		7.48		5.45		6.18		7.91		5.97		3.57		5.31		5.31	
Hexavalent Chromium	50	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.073	H	0.089	H
Aluminum	NG	ND	U	17500	U	1870		ND	U	7000		198	B	1140		1140	
Antimony	3	ND	U	ND	B	ND	U	ND	U	ND	U	ND	U	ND		ND	
Arsenic	25	ND	U	15.8		10.4	B	ND	U	17.5	B	ND	U	ND		ND	
Barium	1,000	343		201	B	118	B	43.8	B	85.1	B	27.4	B	49.5	B	49.4	B
Beryllium	3	ND	U	1	B	0.31	B	ND	U	0.61	B	ND	U	ND		ND	
Cadmium	5	ND	U	0.97		ND	U	ND	U	1.1	B	ND	U	ND		ND	
Calcium	NG	59400		148000		89000		91100		51500		48500		117,000		116,000.00	
Chromium	50	1.5	B	29.4	B	6.7	B	ND	U	18.1	B	1.1	B	ND		ND	B
Cobalt	NG	ND	U	14.5		2.3	B	ND	U	10.2	B	ND	U	29	B	323000	
Copper	200	ND	U	35.2		21.5	B	ND	U	56.3		3.8	B	ND		ND	
Iron[2]	300	3,600		32,800		11,400		3,200		16,400		1,300		2700	B	2800	B
Lead	25	ND	U	61		63		ND	U	107		ND	U	7.4	B	7.3	
Magnesium	35,000	112,000		20300		21200		45,500		8700		43,100		233	B	262	B
Manganese[2]	300	97.2		1,220	B	1,220		1,000		779		217		29	B	33.2	B
Nickel	100	ND	U	47.9		9.1	B	ND	U	24.2	B	ND	U	7.7	B	7.80	B
Potassium	NG	220000		37200	U	349000		48200		315000		122000		318,000	U	323,000	U
Selenium	10	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Silver	50	ND	U	ND		ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Sodium	20,000	45,400		25,300	U	164,000		23,400		391,000		33,800		61,000		61,600	U
Thallium	0.5	ND	U	ND	B	ND	U	ND	U	17.7	B	ND	U	19.60	U	21.50	U
Vanadium	NG	5.7	B	34.3		2.5	B	ND	U	29.5	B	ND	U	2.9	U	3.4	U
Zinc	2,000	5	B	177	U	155		5.7	B	246		9.6	B	19.9	U	21.7	U
2-Methylphenol	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	1.1	J	1.1	J
4-Methylphenol	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	2.8	J	1.1	J
Acenaphthene	20	9.1	J	ND	U	ND	U	ND	U	ND	U	8.9	J	6.6	J	2.6	J
Acenaphthylene	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	7.6	J	6.3	J
Anthracene	50	1.8	J	ND	U	ND	U	ND	U	ND	U	2.6	J	ND	U	8.3	J
Benzo(a)anthracene	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Benzo(a)pyrene	ND	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Benzo(b)fluoranthene	0.002	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Benzo(g,h,i)perylene	NS	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Benzo(k)fluoranthene	0.002	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Chrysene	0.002	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Dibenzo(a,h)anthracene	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Fluoranthene	50	2.4	J	ND	U	ND	U	ND	U	ND	U	2.7	J	ND	U	ND	U
Fluorene	50	7.2	J	ND	U	ND	U	ND	U	ND	U	7.6	J	ND	U	ND	U
Indeno(1,2,3-cd)pyrene	0.002	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Naphthalene	10	2.3	J	ND	U	ND	U	ND	U	ND	U	4.8	J	ND	U	ND	U
Pentachlorophenol[1]	1	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Phenanthrene	50	3.6	J	ND	U	ND	U	ND	U	ND	U	8.1	J	ND	U	ND	U
Phenol[1]	1	ND	U	ND	U	ND	U	ND	U	22		ND	U	ND	U	ND	U
Pyrene	50	1.3	J	ND	U	ND	U	ND	U	ND	U	1.8	J	ND	U	ND	U
Cyanide, Total	200	51.7		ND		104		26.7		1,840		189		4,010		3,510	

Key:

Blue highlighted cell and bold white font = Exceedance of NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA groundwater.

(1) Standard of 1 µg/L refers to the sum of all phenolic compounds.
(2) Standard for the sum of Iron and Manganese is 500 µg/L.
B = Analyte detected in the associated Method Blank (Organics), or the
J = Analyte detected below quantitation limits
ND = Not detected
NG = No standard or guidance value
U = Not detected or not reportable

Table 3-12
Buffalo Lakeside Commerce Park
Groundwater Sample Results - July 2014

GW-TP-09-071414 TP-09 10-15 ft bgs 7/14/2014		GW-FD-02-071414 TP-09 10-15 ft bgs 7/14/2014		GW-TP-10-071414 TP-10 10-18 ft bgs 7/14/2014		GW-TP-11-071414 TP-11 10-15 ft bgs 7/14/2014		GW-TP-12-071514 TP-12 10-15 ft bgs 7/15/2014		FB-01-071014 7/10/2014		FB-01-071114 7/11/2014		FB-03-071414 7/14/2014		FB-04-071514 7/15/2014		RB-01-070814 7/8/2014	
Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag	Concentration (µg/L)	Qualifier Flag
15.93		15.93		16.65		17.89		16.09											
3.285		3.285		7.077		1.33		1.092											
0.15		0.15		0.01		0.2		0.47											
12.1		12.1		12.44		9.92		10.74											
-230.5		-230.5		-254.3		-263.3		-196.4											
12.9		12.9		31		239		13											
5.24		5.24		10.3		4.5		4.72											
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
6190		5920		5320		2180		963		ND	U	249	B	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	52.8	B	ND	U	ND	U	ND	U
23.8		20.4		85		17.9	B	11	B	ND	U	ND	U	ND	U	ND	U	ND	U
23	B	21.9	B	5.7	B	39.5	B	16.9	B	ND	U	ND	U	1.1	B	2.1	B	ND	U
0.27	B	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
57000		54600		29000		122000		58300		ND	U	ND	U	ND	U	ND	U	0.00	B
8.9	B	8.5	B	4.8	B	3.9	B	0.95	B	ND	U	ND	U	ND	U	ND	U	ND	U
2	B	1.8	B	11.4	B	2.9	B	0.74	B	ND	U	ND	U	ND	U	ND	U	ND	U
12.9	B	12.5	B	4.4	B	5.5	B	ND	U	ND	U	ND	U	ND	U	ND	U	0.07	B
2,730		2,620		7,570		4,130		1,600		ND	U	ND	U	ND	U	ND	U	ND	U
38.4		34		6.3	B	7.8	B	5.1	B	ND	U	ND	U	ND	U	ND	U	ND	U
1040		993		183	B	2840		1480		ND	U	ND	U	ND	U	ND	U	ND	U
104		101		13.8	B	64.8		79.1		ND	U	ND	U	ND	U	ND	U	ND	U
20.1	B	18.9	B	24.3	B	13.3	B	1.7	B	ND	U	ND	U	ND	U	ND	U	ND	U
707000		680000		1710000		257000		147000		91.9	B	ND	U	519	B	ND	U	ND	U
ND	U	16.9	B	17.6	B	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
68,800		66,700		123,000		29,100		72,900		50.4	B	ND	U	56.6	B	314	B	ND	U
12.9	B	17	B	15.7	B	22.2		17.5	B	ND	U	ND	U	ND	U	7.7	B	ND	U
47.1	B	45.4	B	44.3	B	7.4	B	1.6	B	ND	U	ND	U	ND	U	ND	U	ND	U
165		158		12	B	18.8	B	25.8	B	ND	U	ND	U	5.1	B	5.9	B	ND	U
ND	U	ND	U	1.1	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
2.4	J	2.1	J	9.2	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
1.5	J	1.5	J	3.3	J	1.1	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	7.6	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
5.6	J	5.3	J	33		9.6	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
49.9		27.3		10,900		252		132		ND	U	ND	U	ND	U	ND	U	ND	U

Table 3-12
Buffalo Lakeside Commerce Park
Groundwater Sample Results - July 2014

Sample ID		WG-TP-01-082614		WG-TP-02-082514		WG-TP-03-082614		WG-TP-04-082614		WG-TP-05-082714		WG-TP-06-082714		WG-TP-07-082614		WG-TP-08-082514		WG-TP-DUP1-082514		WG-TP-09-082614	
Location ID		TP-01		TP-02		TP-03		TP-04		TP-05		TP-06		TP-07		TP-08		TP-08		TP-09	
Screened Depth		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs	
Sample Date		8/26/2014		8/25/2014		8/26/2014		8/26/2014		8/27/2014		8/27/2014		8/26/2014		8/25/2014		8/25/2014		8/26/2014	
Parameter ID	NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
Temperature (°C)		15.63		19.31		17.29		16.76		15.11		17.05		20.1		15.59				20.91	
Specific Conductance (ms/cm)		1.771		3.436		0.527		0.8		0.871		2.42		1.125		2.062				6.154	
Dissolved Oxygen (mg/L)		0.22		0.38		0.2		0.35		0.29		0.35		0.49		0.21				0.32	
pH (su)	8.5	7.31		7.41		8.91		8.3		7.54		10.54		8.69		11.47				12.18	
Oxidation-Reduction Potential (mV)		-97.2		-133.5		-219.9		-184.2		5		-247.5		-81.2		-506.3				-340.6	
Turbidity (NTU)		14.7		4		0.9		19.6		-2.2		32.5		16.1		14.6				42.6	
Hexavalent Chromium	50	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.41		0.037		0.041		ND	U
Aluminum	NG	ND	U	70	B	ND	U	ND	U	ND	U	ND	U	ND	U	1190		1200		7010	
Antimony	3	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Arsenic	25	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	10.4	B	11.2	B	80.8	
Barium	1,000	571		236		26.1	B	80	B	ND	U	ND	U	34.8	B	50.2	B	50.1	B	5.1	B
Beryllium	3	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	0.3	B
Cadmium	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Calcium	NG	79600		150000		17700		112000		ND	U	ND	U	37000		119000		121000		37000	
Chromium	50	1.3	B	1.1	B	ND	U	ND	U	ND	U	ND	U	ND	U	0.65	B	ND	U	24.7	
Cobalt	NG	ND	U	1.5	B	ND	U	ND	U	ND	U	ND	U	ND	U	2.4	B	2.2	B	2.2	B
Copper	200	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Iron[2]	300	2490		4720		48.1	B	95	B	ND	U	ND	U	140	B	2550		2560		711	
Lead	25	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Magnesium	35,000	122000		49500		7860		16900		ND	U	ND	U	17600		ND	U	ND	U	ND	U
Manganese[2]	300	106		1310		11.8	B	449		ND	U	ND	U	90.4		ND	U	ND	U	17.4	B
Nickel	100	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	7.8	B	7.4	B	76.6	
Potassium	NG	229000		490000		79500		43900		ND	U	ND	U	176000		336000		340000		1260000	
Selenium	10	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Silver	50	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Sodium	20,000	45800		224000		33700		26100		ND	U	ND	U	59600		63300		65100		93100	
Thallium	0.5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Vanadium	NG	5.9	B	1.6	B	ND	U	ND	U	ND	U	ND	U	ND	U	2.2	B	1.9	B	179	
Zinc	2,000	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	16.9	B
2-Methylphenol	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
4-Methylphenol	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	1.4	J	ND	U	2	J
Acenaphthene	20	7.3	J	ND	U	ND	U	ND	U	ND	U	ND	U	7.8	J	1.3	J	ND	U	ND	U
Acenaphthylene	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Anthracene	50	1.3	J	ND	U	ND	U	ND	U	ND	U	ND	U	1.1	J	ND	U	ND	U	ND	U
Benzo(a)anthracene	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Benzo(a)pyrene	ND	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Benzo(b)fluoranthene	0.002	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Benzo(g,h,i)perylene	NS	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Benzo(k)fluoranthene	0.002	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Chrysene	0.002	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Dibenzo(a,h)anthracene	NG	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Fluoranthene	50	1.7	J	ND	U	ND	U	ND	U	ND	U	ND	U	1.9	J	ND	U	ND	U	ND	U
Fluorene	50	5.1	J	ND	U	ND	U	ND	U	ND	U	ND	U	2.9	J	ND	U	ND	U	ND	U
Indeno(1,2,3-cd)pyrene	0.002	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Naphthalene	10	1.1	J	ND	U	ND	U	ND	U	ND	U	ND	U	8.9	J	9.1	J	7.1	J	1.3	J
Pentachlorophenol[1]	1	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	8.4	J	5.8	J	ND	U
Phenanthrene	50	1.4	J	ND	U	ND	U	ND	U	ND	U	ND	U	3.5	J	1.2	J	ND	U	ND	U
Phenol[1]	1	ND	U	ND	U	1.5	J	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	13	
Pyrene	50	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	1.1	J	ND	U	ND	U	ND	U
Cyanide, Total	200	49.5		34.7		15.7	B	ND	U	ND	U	ND	U	188		2720		3230		96.5	

Key:

groundwater.

(1) Standard of 1 µg/L refers to the sum of all phenolic compounds.

(2) Standard for the sum of Iron and Manganese is 500 µg/L.

B = Analyte detected in the associated Method Blank (Organics), or the analyses reported using CLP ILM-type metals dorms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit (Inorganics).

J = Analyte detected below quantitation limits

ND = Not detected

NG = No standard or guidance value

U = Not detected or not reportable

Note: Samples were filtered for metals analysis.

Table 3-13
Buffalo Lakeside Commerce Park
Groundwater Sample Results - August 2014

WG-TP-10-082614 TP-10 10-18 ft bgs 8/26/2014		WG-TP-11-082614 TP-11 10-15 ft bgs 8/26/2014		WG-TP-12-082614 TP-12 10-15 ft bgs 8/26/2014	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
20.54		16.07		15.92	
7.506		2.124		1.105	
0.31		0.22		0.21	
12.1		10.3		9.95	
-346.2		-282.8		-190.5	
69.2		0		198.8	
ND	U	ND	U	ND	U
4820		ND	U	693	
ND	U	ND	U	ND	U
94.3		6	B	13.9	B
2.6	B	30.4	B	12.9	B
ND	U	ND	U	ND	U
ND	U	ND	U	ND	U
31100		162000		50900	
4.3	B	ND	U	ND	U
11.4	B	ND	U	0.78	B
ND	U	ND	U	ND	U
6930		229		466	
ND	U	ND	U	ND	U
ND	U	371	B	661	
ND	U	ND	U	24.1	B
33.1	B	4.5	B	1.5	B
1670000		430000		179000	
22.7	B	ND	U	ND	U
ND	U	ND	U	ND	U
140000		46700		87400	
ND	U	7.7	B	ND	U
64.5		1.6	B	ND	U
ND	U	ND	U	10.1	B
ND	U	ND	U	ND	U
6.8	J	ND	U	ND	U
ND	U	ND	U	ND	U
ND	U	ND	U	ND	U
ND	U	ND	U	ND	U
ND	U	ND	U	ND	U
ND	U	ND	U	ND	U
ND	U	ND	U	ND	U
ND	U	ND	U	ND	U
ND	U	ND	U	ND	U
ND	U	ND	U	ND	U
ND	U	ND	U	ND	U
ND	U	ND	U	ND	U
ND	U	ND	U	ND	U
1.9	J	1.9	J	ND	U
9.5	J	ND	U	ND	U
ND	U	ND	U	ND	U
31		10	J	ND	U
ND	U	ND	U	ND	U
17100		259		167	

Table 3-13
Buffalo Lakeside Commerce Park
Groundwater Sample Results - August 2014

Sample ID		TP-06-U-20140918		TP-06-F-20140918		TP-08-U-20140918		TP-08-F-20140918		TP-10-U-20140918		TP-10-F-20140918		TP-11-U-20140918		TP-11-F-20140918	
Location ID		TP-06		TP-06		TP-08		TP-08		TP-10		TP-10		TP-11		TP-11	
Screened Depth		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-18 ft bgs		10-18 ft bgs		10-15 ft bgs		10-15 ft bgs	
Sample Date		9/18/2014		9/18/2014		9/18/2014		9/18/2014		9/18/2014		9/18/2014		9/18/2014		9/18/2014	
Parameter ID	NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
Temperature (°C)	NG	16.55		NS		15.94		NS		13.59		NS		15.64		NS	
Specific Conductance (ms/cm)	NG	2.278		NS		1.998		NS		7.149		NS		2.353		NS	
Dissolved Oxygen (mg/L)	NG	0.83		NS		0.61		NS		1.02		NS		0.59		NS	
pH (su)	8.5	11.43		NS		12.15		NS		13.07		NS		11.45		NS	
Oxidation-Reduction Potential (mV)	NG	-214.5		NS		-331.4		NS		-267.8		NS		-276.6		NS	
Turbidity (NTU)	NG	12.5		NS		4.52		NS		8.51		NS		3.33		NS	
Cyanide, Total[1]	200	2400	JD	2350	JD	7310	JD	7530	JD	13900	JD	17600	JD	828	JD	720	JD
Cyanide, WAD	NG	14.3		38.3		45.2		36.8		101		46.3		10	U	12.5	
Cyanide, Amenable	NG	505	J	5	UJ	3910	J	4900	J	5700	J	10700	J	5	UJ	342	J
Cyanide, PAC	NG	272	J	379	JD	955	JD	1160	JD	548	JD	1180	JD	120	J	63.9	J

Key:

for Class GA groundwater.

--- - Not analyzed

U - Analyte not detected at or above the method detection limit

D - Data reported from a dilution

J - Estimated

Note:

1. Results are as reported by laboratory, however filtered sample results for total cyanide and cyanide species were higher than the unfiltered samples in several cases which is considered to be an anomaly.

Table 3-14
Buffalo Lakeside Commerce Park
Groundwater Sample Results - September 2014

	Sample ID	GW-TP1-1214-U-20141209		GW-TP1-1214-F-20141209		GW-TP2-1214-U-20141209		GW-TP2-1214-F-20141209		GW-TP3-1214-U-20141209		GW-TP3-1214-F-20141209		GW-TP4-1214-U-20141209		GW-TP4-1214-F-20141209		GW-TP5-1214-U-20141209		GW-TP5-1214-F-20141209		GW-TP6-1214-U-20141209	
	Location ID	TP-01		TP-01		TP-02		TP-02		TP-03		TP-03		TP-04		TP-04		TP-05		TP-05		TP-06	
	Screened Depth	10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs	
	Sample Date	12/9/2014		12/9/2014		12/9/2014		12/9/2014		12/9/2014		12/9/2014		12/9/2014		12/9/2014		12/9/2014		12/9/2014		12/9/2014	
Parameter ID	NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
Temperature (°C)	NG	7.59		NS		9.04		NS		9.61		NS		10.43		NS		11.01		NS		10.82	
Specific Conductance (ms/cm)	NG	2.13		NS		1.65		NS		0.51		NS		0.764		NS		0.669		NS		0.907	
Dissolved Oxygen (mg/L)	NG	0.55		NS		0.26		NS		8.63		NS		0.01		NS		0.01		NS		0.01	
pH (SU)	8.5	7.37		NS		7.48		NS		8.63		NS		7.79		NS		7.27		NS		8.99	
Oxidation-Reduction Potential (mV)	NG	-238		NS		-127		NS		-255		NS		-267		NS		-179		NS		-270	
Turbidity (NTU)	NG	1.2		NS		5.8		NS		81.3		NS		9.9		NS		5.1		NS		13.3	
Cyanide, Total	200	47		47		240		140		120		100		70		78		35		35		630	
Cyanide, Available	NG	ND		4		5		3.5		2		9.1		12		3.8		ND		ND		66	J
Cyanide, Free	5.2	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aluminum	NG	120	J	ND		32700		ND		1700		ND		560		ND		650		ND		400	
Antimony	3	ND		ND		13	J	ND		ND		ND		ND		ND		ND		ND		ND	
Arsenic	25	ND		ND		47		7	J	ND		5.9	J	ND		6.5	J	ND		ND		8.4	J
Barium	1,000	440		430		300		59		52		39		79		75		34		36		19	
Beryllium	3	ND		ND		2.5		ND		ND		ND		ND		ND		ND		ND		ND	
Cadmium	5	0.54	J	ND		4.5		0.5	J	0.78	J	ND		ND		ND		ND		ND		ND	
Calcium	NG	76,700		72,500		188,000		104,000		40,400		37,700		120,000		114,000		65,100		69,300		36,400	
Chromium	50	ND		ND		100		ND		4.2		ND		1.5	J	ND		ND		ND		17	
Cobalt	NG	ND		ND		16.00		ND		0.82	J	ND		ND		ND		ND		ND		0.69	J
Copper	200	2.3	J	ND		430		4.3	J	4.8	J	ND		1.6	J	ND		1.7	J	ND		5.8	J
Iron[2]	300	2900		1800		132000		560		2700		97		1300		78		3100		2500		1200	
Lead	25	28		5	J	740		4.6	J	14		3.1	J	8.5	J	4.5	J	3.3	J	3.5	J	8.1	J
Magnesium	35,000	139000		134000		34,400		17,700		11,000		10,000		21,600		21,000		40000		43100		36800	
Manganese[2]	300	91		79		4300		320		240		69		650		600		460		490		99	
Mercury	0.7	ND		ND		0.28		ND		ND		ND		ND		ND		ND		ND		ND	
Nickel	100	ND		ND		76		2.9	J	2.8	J	1.4	J	2.7	J	ND		ND		ND		3.5	J
Potassium	NG	199,000		199,000		196,000		166,000		61,800		60,100		33,500		34,400		ND		41,600		98,100	
Selenium	10	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Silver	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	20,000	42500		40800		74500		67600		26100		27200		24000		23800		17,300		18,600		83700	
Thallium	0.5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	NG	3.20	J	2.60	J	61		ND		4	J	ND		ND		ND		ND		ND		5.40	
Zinc	2,000	26	B	5.4	BJ	1,400	B	7.5	BJ	22	B	5.9	BJ	15	B	5.1	BJ	8.2	BJ	5.7	BJ	19	B
2-Methylphenol	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-Methylphenol	NG	ND		ND		ND		0.43	J	20		24	J	ND		ND		ND		ND		0.91	J
2-Methylnaphthalene	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-Chloronaphthalene	10	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,4-Dimethylphenol	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.6	J
2,4,5-Trichlorophenol	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthene	20	11		10		ND		ND		ND		ND		0.45	J	ND		ND		ND		ND	
Acenaphthylene	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acetophenone	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Anthracene	50	1.6	J	0.28	J	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzaldehyde	NG	0.84	J	0.89	J	ND		0.92	J	ND		0.27	J	ND		ND		ND		ND		ND	
Benzo(a)anthracene	NG	ND		ND		0.43	J	ND		ND		ND		ND		ND		ND		ND		ND	
Benzo(a)pyrene	ND	ND		ND		0.77	J	ND		ND		ND		ND		ND		ND		ND		ND	
Benzo(b)fluoranthene	0.002	ND		ND		1	J	ND		ND		ND		ND		ND		0.48	J	ND		ND	
Benzo(g,h,i)perylene	NS	ND		ND		0.56	J	ND		ND		ND		ND		ND		ND		ND		ND	
Benzo(k)fluoranthene	0.002	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Bis(2-ethylhexyl)phthalate	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Carbazole	NG	12		6		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	0.002	ND		ND		0.47	J	ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzo(a,h)anthracene	NG	ND		ND		ND		ND		ND		ND		ND		ND		0.43	J	ND		ND	
Dibenzofuran	NG	3.9	J	1.8	J	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Di-n-butyl-phthalate	50	ND		0.35	J	ND		0.36	J	ND		0.36	J	ND		0.35	J	ND		ND		ND	
Fluoranthene	50	1.5	J	ND		0.5	J	ND		ND		ND		ND		ND		ND		ND		ND	
Fluorene	50	9.4		5.6		ND		ND		ND		ND		0.36	J	ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		0.52	J	ND		ND		ND		ND		ND		ND		ND		ND	
Naphthalene	10	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Pentachlorophenol[1]	1	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	50	0.57	J	ND		ND		ND		ND		ND		0.44	J	ND		ND		ND		ND	
Phenol[1]	1	ND		ND		ND		ND		7.7		8.6		ND		ND		ND		ND		6.5	
Pyrene	50	1	J	ND		0.53	J	ND		ND		ND		ND		ND		ND		ND		ND	

Key:

Blue highlighted cell and bold white font = Exceedance of NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA groundwater.

(1) Standard of 1 µg/L refers to the sum of all phenolic compounds.

(2) Standard for the sum of Iron and Manganese is 500 µg/L.

B = Analyte detected in the associated Method Blank (Organics), or the analyses reported using CLP ILM-type metals dorms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit (Inorganics).

J = Analyte detected below quantitation limits

ND = Not detected

NG = No standard or guidance value

U = Not detected or not reportable

Table 3-15
Buffalo Lakeside Commerce Park
Groundwater Sample Results - December 2014

GW-TP6-1214-F-20141209 TP-06 10-15 ft bgs 12/9/2014		DUP-1-U-1214-20141209 TP-06 10-15 ft bgs 12/9/2014		GW-TP7-1214-U-20141209 TP-07 10-15 ft bgs 12/9/2014		GW-TP7-1214-F-20141209 TP-07 10-15 ft bgs 12/9/2014		GW-TP8-1214-U-20141208 TP-08 10-15 ft bgs 12/8/2014		GW-TP8-1214-F-20141208 TP-08 10-15 ft bgs 12/8/2014		GW-TP09-1114-U-20141117 TP-09 10-15 ft bgs 11/17/2014		GW-TP09-1114-F-20141117 TP-09 10-15 ft bgs 11/17/2014		GW-TP10-1114-U-20141117 TP-10 10-18 ft bgs 11/17/2014		GW-TP10-1114-F-20141117 TP-10 10-18 ft bgs 11/17/2014		GW-TP11-1214-U-20141208 TP-11 10-15 ft bgs 12/8/2014		GW-TP11-1214-F-20141208 TP-11 10-15 ft bgs 12/8/2014	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
NS		NS		9.78		NS		9.6		NS		11.12		NS		11.18		NS		11.49		NS	
NS		NS		0.885		NS		2.4		NS		5.812		NS		7.128		NS		1.22		NS	
NS		NS		2.83		NS		0.01		NS		NS		NS		NS		NS		0.18		NS	
NS		NS		7.59		NS		11.39		NS		12		NS		12.09		NS		10.05		NS	
NS		NS		-146		NS		-440		NS		-553.1		NS		-540.8		NS		-369		NS	
NS		NS		1.4		NS		6.9		NS		8.76		NS		48.4		NS		23.8		NS	
590		590		350		330		8000	B	6900	B	150		150	J	7300		8400		24	J	30	J
120	J	110	J	ND		ND		24	J	120	J	6.7	J	13	J	6.8		6.3		4.4		ND	
ND		ND		ND		ND		9		212		ND		ND		8		13		ND		ND	
110	J	370		230		ND		1500		970		7000	J	9800	J	6300		5300		2100		140	J
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
9.3	J	9.1	J	ND		ND		15		11	J	96		200		110		100		33		31	
17		19		20		21		53		46		9.6		7.8		13		5.4		56		51	
ND		ND		ND		ND		ND		ND		ND		0.79	J	ND		ND		ND		ND	
ND		0.71	J	ND		ND		ND		1.2	J	ND		0.56	J	ND		n		1.2	J	1.5	J
36,700		36,800		50,600		47,600		111,000		109,000		45600		39500		25500		24900		136000		124000	
9.3		16		1.2	J	ND		2.1	J	ND		34		84		17		12		3.4	J	ND	
0.91	J	0.91	J	ND		ND		1.9	J	1.60	J	2.8	J	5.9	J	8.2		7.2		2.1	J	ND	
2.7	J	5.4	J	2.8	J	1.6	J	4.5	J	29	J	5	J	7.2	J	5	J	2.2	J	4.8	J	ND	
320		990		2600		190		5600		2500		1100	J	1700	J	6200		4900		4000		380	
4.5	J	8.6	J	5.5	J	ND		18		13		4.3	J	ND		25		6.9	J	22		14	
36800		35600		56600		57100		710		49	J	180	J	63	J	340		74	J	3500		2700	
73		92		220	B	150	B	110		0.43	J	33	J	41	J	28		7.9		96		16	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2.7	J	2.6	J	ND		1.4	J	8.7	J	11		95	J	220	J	49		43		11		5.7	J
100,000		102,000		110,000		104,000		307,000		294,000		1310000	J	1970000	J	1580000		1580000		276000		288000	
ND		ND		ND		ND		ND		ND		16	J	23	J	13	J	15	J	ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
85600		84600		33400		31700		58000		57500		110000	J	146000	J	151000		155000		32300		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
3.9	J	5		ND		ND		3.60	J	3.70	J	220	J	500		140		120		6.8		3.5	J
7.4	BJ	18	B	24	B	6.2	BJ	52	B	9.8	BJ	29	J	35	J	38	B	13	B	27	B	7.9	BJ
0.41	J	ND		ND		ND		1.2	J	1.4	J	ND		ND		ND		ND		0.54	J	0.62	J
1.1	J	0.88	J	ND		ND		3.5	J	4.2	J	4.1	J	3.9	J	13	J	12	J	1.9	J	2.1	J
ND		ND		ND		ND		1.9	J	1.5	J	ND		ND		ND				ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		7.4	J	ND		ND	
0.64	J	0.59	J	ND		ND		1.5	J	1.8	J	ND		ND		ND		ND		1.1	J	1.2	J
ND		ND		ND		ND		0.69	J	0.76	J	ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		1.2	J	0.97	J	ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		0.57	J	ND		1	J	0.96	J	ND		ND		ND		ND		0.65	J	ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
0.3	J	0.27	J	ND		ND		ND		0.38	J	ND	U	ND	U	ND	U	4.2	BJ	ND		0.33	J
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		1.2	J	ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1.8	J
0.37	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		0.79	J	ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		0.84	J	1.4	J	7.9		8.2		ND		ND		ND		ND		0.8	J	0.77	J
ND		ND		ND		ND		8.7	J	9.5	J	ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		1.1	J	ND		ND		ND		ND		ND		ND		ND	
8.1		6.4		ND		ND		0.67		0.81	J	55	J	57		100		100		13		14	J
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	

Table 3-15
Buffalo Lakeside Commerce Park
Groundwater Sample Results - December 2014

GW-TP12-1214-U-20141210 TP-12 10-15 ft bgs 12/10/2014	GW-TP12-1214-U-20141210 TP-12 10-15 ft bgs 12/10/2014	GW-TP12-1214-F-20141210 TP-12 10-15 ft bgs 12/10/2014	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
8.27		NS	
0.892		NS	
0.01		NS	
10.57		NS	
-335		NS	
0.4		NS	
120	J	150	
ND		ND	
ND		ND	
860		ND	
ND		ND	U
14	J	12	J
14		11	
ND		ND	U
ND		ND	U
44300		42600	
ND		ND	U
0.85	J	0.66	J
2.1	J	ND	U
3000		100	
9.6	J	ND	U
630		330	
97	B	0.67	BJ
ND		ND	
1.4	J	1.4	J
144000		145000	
ND		ND	U
ND		ND	
69000		69100	
ND		ND	
ND		ND	
26	B	8	BJ
ND		ND	
0.92	J	0.87	J
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	
0.64	J	ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		0.33	J
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	
ND		ND	

Table 3-15
Buffalo Lakeside Commerce Park
Groundwater Sample Results - December 2014

Sample ID		TP-02-101415		TP-02-F-101415		TP-03-101415		TP-03-F-101415		TP-04-101415		TP-04-F-101415		TP-05-101515		TP-DUP-01-101515		TP-05-F-1015415	
Location ID		TP-02		TP-02		TP-03		TP-03		TP-04		TP-04		TP-05		TP-05		TP-05	
Screened Depth		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs		10-15 ft bgs	
Sample Date		10/14/2015		10/14/2015		10/14/2015		10/14/2015		10/14/2015		10/14/2015		10/15/2015		10/15/2015		10/15/2015	
Parameter ID	NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
Temperature (°C)		16.21		NS		15.53				15.12				15.55					
Specific Conductance (ms/cm)		2.334				0.399				0.561				0.641					
Dissolved Oxygen (mg/L)		2.12				0.98				1.66				2.66					
pH (SU)	8.5	7.8				9.62				8.18				7.92					
Oxidation-Reduction Potential (mV)		-122				-103.3				-94.6				-141.1					
Turbidity (NTU)		22.3				3.6				11.3				0.9					
Cyanide, Total	200	29		35		130		130	T	34		34		28				29	
Cyanide, Free	5.2	ND		ND		ND		10		ND		ND		ND		6		4	
Aluminum	NG	540		ND		410		ND		220		ND		130	J				
Arsenic	25	ND		ND				ND		ND		ND		ND					
Barium	1,000	190		190		40		35		63		61		46		46		43	
Cadmium	5	ND		ND		ND		ND		ND		ND		ND					
Calcium	NG	112,000		114,000		21,500		19,300		91,900		88,900		75,100		75,600		71,500	
Chromium	50	1.8	J	ND		1.3	J	ND		ND		ND		ND					
Cobalt	NG	1.2	J	1.1	J	ND		ND		ND		ND		ND					
Copper	200	4.9	J	ND				ND		ND		ND		ND					
Iron[2]	300	4000		2800		1100		71		450		71		3300		3200		2900	
Lead	25		J	ND		3.9	J	ND		ND		ND		ND					
Magnesium	35,000	44900		45200		4,600		4,400		10,700		10,600		42700		43200		40600	
Manganese[2]	300	850		820		62		10		420		390		560		560		520	
Nickel	100	2	J	1.3	J	ND		ND		ND		ND		ND					
Potassium	NG	364,000		368,000		64,500		65,700		32,000		33,100		53,300		53,300		50,300	
Selenium	10	ND		ND		ND		ND		ND		ND		ND					
Sodium	20,000	189,000		193000		29000		29300		22900		23000		26600		26600		25000	
Vanadium	NG	2.30	J	1.60	J	2	J	ND		ND		ND		ND					
Zinc	2,000	15		ND		ND		ND		2.7	J	ND		ND		2.8	BJ		
2-Methylphenol	NG	ND		ND		ND		ND		ND		ND		ND					
4-Methylphenol	NG	7.8	JT	8.3	JT	ND		0.47	JT	ND		ND		ND					
2-Methylnaphthalene	NG	ND		ND		ND		ND		ND		ND		ND					
4-Nitrophenol	NG	ND		ND		ND		ND		ND		ND		ND					
2,4-Dimethylphenol	50	ND		ND		ND		ND		ND		ND		ND					
2,4-Dinitrotoluene	NG	0.46	JT	ND		ND		ND		ND		ND		ND					
2,4,5-Trichlorophenol	NG	ND		ND		ND		ND		ND		ND		ND					
Acenaphthene	20	ND		ND		ND		ND		ND		ND		ND					
Acetophenone	NG	ND		ND		ND		ND		ND		ND		ND					
Anthracene	50	ND		ND		ND		ND		0.3	JT	ND		ND					
Benzaldehyde	NG	0.66	JT	0.83	JT	ND		0.62	JT	0.53	JT	0.62	JT	ND					
Benzo(b)fluoranthene	0.002	0.34	J	ND		ND		ND		ND		ND		ND					
Benzyl butyl phthalate	NG	ND		ND		0.65	BJ	0.44	JT	ND		ND		0.61	BJ	0.52	BJ	0.65	J
Carbazole	NG	ND		ND		ND		ND		ND		ND		ND					
Dibenzofuran	NG	ND		ND		ND		ND		ND		ND		ND					
Diethyl phthalate	50	ND		ND		ND		7.2	T	ND		ND		ND					
Di-n-butyl-phthalate	50	ND		ND		ND		ND		ND		ND		ND					
Fluoranthene	50	ND		ND		ND		ND		ND		ND		ND					
Fluorene	50	ND		ND		ND		ND		ND		ND		ND					
Naphthalene	10	ND		ND		ND		ND		ND		ND		ND					
N-nitrosodi-n-propylamine	NG	ND		ND		ND		ND		ND		ND		ND					
Pentachlorophenol[1]	1	ND		ND		ND		ND		ND		ND		ND					
Phenanthrene	50	ND		ND		ND		ND		ND		ND		ND					
Phenol[1]	1	ND		ND		ND		0.46	JT	ND				ND					
Pyrene	50	ND		ND		ND		ND		ND		ND		ND					

Key:

Blue highlighted cell and bold white font = Exceedance of NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA groundwater.

(1) Standard of 1 µg/L refers to the sum of all phenolic compounds.

(2) Standard for the sum of Iron and Manganese is 500 µg/L.

B = Analyte detected in the associated Method Blank (Organics), or the analyses reported using CLP ILM-type metals dorms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit (Inorganics).

J = Analyte detected below quantitation limits

ND = Not detected

NG = No standard or guidance value

U = Not detected or not reportable

Table 3-16
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

TP-06-101515 TP-06 10-15 ft bgs 10/15/2015		TP-06-F-1015415 TP-06 10-15 ft bgs 10/15/2015		TP-08-102015 TP-08 10-15 ft bgs 10/20/2015		TP-08-F-102015 TP-08 10-15 ft bgs 10/20/2015		TP-09-102015 TP-09 10-15 ft bgs 10/20/2015		TP-09-F-102015 TP-09 10-15 ft bgs 10/20/2015		TP-10-102015 TP-10 10/20/2015		TP-10-F-102015 TP-10 10/20/2015		TP-11-101915 TP-11 10-15 ft bgs 10/19/2015		TP-11-F-101915 TP-11 10-15 ft bgs 10/19/2015		TP-DUP-02-101915 TP-11 10-15 ft bgs 10/19/2015	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
16.92				15.94				18.03				13.24				15.3					
0.975				1.748				6.25				5.313				1.765					
2.28				---				0.27				0.06				0.9					
9.32				10.54				10.51				12.59				11.09					
37.4				-256.5				-268.4				-348.1				-192.5					
6.9				1.6				---				17.4				0.6					
420		480		380		570		100		96	T	5500		5400		120		130		120	
72		21		30		23		ND		ND		8		6		ND		ND		ND	
620		90	J	1200		1200		3400		3200		4300		4200		200					
7	J	9.8	J	12	J	12	J	35		29		52		70		7.7	J	8.4	J	8	J
26		24		48		47		6.5		5.9		6.3		2.9		33		35		34	
44,200		42,700		98,500		97,200		34,600		33,500		23,400		22,500		140,000		148,000		141,000	
5.4								17		7.4		3.6	J	5							
2.3	J	2.2	J	1.70	J	1.40	J	1.10	J	0.71	J	3.6	J	3.9	J						
17.0		2.5	J	4.8	BJ	3.8	BJ	6.3	BJ	3.9	BJ	3.3	BJ	3.8	BJ						
1800				1800		1600		430		310		2200		2300		530		270		250	
5.5	J			7	J	3.9	J	5.1	J			9.8	J	8	J						
17700		17300		83	J			99				100	J			810		770		840	
82		28.0		9				17		12		6.4		1	J	20		2.8	J	6	
4.7	J	4.1	J	7.2	J	6.8	J	43		36		13		24		5.7	J	5.4	J	5.5	J
157000		163,000.0		306,000		301,000		729,000		733,000		1,420,000		1,420,000		456,000		463,000		447,000	
								13	J	13	J	13	J	12	J						
113000		121000		60300		59400		79400		78500		159000		160000		48500		50800		48500	
3.5	J	3.1	J	2.60	J	2.60	J	83		63		33		62		2.6	J	2.9	J	2.3	J
17.0	B	29.0	B	4.8	J			15		8.7	J	5.8	J	2	J	3.2	BJ	2.3	BJ		
				0.82	J	0.76	J			0.67	J							0.87	J	0.98	J
		0.58	J	1.2	J	1.2	J	2.3	J	2.8	J	4.2	J	4.6	J	1.9	J	2.7	J	2.9	J
				1.2	J																
										1.8	J										
				0.86	J	0.76	J			0.62	J							1.4	J	1.4	J
0.8	J	0.86	J	0.75	J	0.74	JT														
				1.2	J																
				0.61	J																
						0.54	J			1.2	J					2	BJ	1.4	BJ	1.5	BJ
				0.71	BJ	0.69	BJ														
				0.79	J																
		0.44	J																		
				0.69	J																
				5.2	J					0.87	J										
				6.2	J					2.5	J	11	J	12	J						
				0.97	J																
		14		0.84	J	0.79	J	23	J	26		28		31		19		27		34	
1.7	J																				

Table 3-16
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

TP-13-101915 TP-13 10-20 ft bgs 10/19/2015		TP-13-F-101915 TP-13 10-20 ft bgs 10/19/2015		TP-14-101515 TP-14 10-20 ft bgs 10/15/2015		TP-14-F-101515 TP-14 10-20 ft bgs 10/15/2015		TP-15-101915 TP-15 10-20 ft bgs 10/19/2015		TP-15-F-101915 TP-15 10-20 ft bgs 10/19/2015		MW-404-102015 MW-404 10/20/2015		MW-404-F-102015 MW-404 10/20/2015		MW-405-102015 MW-405 10/20/2015		MW-405-F-102015 MW-405 10/20/2015		MW-UNK-102215 MW-UNK 10/22/2015	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
16.06				13.98				14.55				14.71				12.39				15.67	
0.788				1.274				1.570				1.498				3.39				1.345	
6.73				1.41				0.02				14.39				16.17				1.57	
9.04				11.61				12.13				6.52				12.02				8.23	
55.3				-83.3				-258				-106.1				-241.4				-44.5	
17.4				54.1				1.8				2				2.3				2.9	
11		7.7	J	ND		88	B	20		9.5	J	37		47		66		67		270	
ND		ND		ND		ND		ND		ND		6		ND		3		5		85	
1300		100	J	2300				760		690		62	J			170	J	120	J		
27		23		23		20		7.7	J	9.2	J					25	J	18	J		
54		51		120		73		53		55		290		290		21		20		34	
																0.52	J				
103,000		108,000		174,000		118,000		206,000		208000		94700		93300		11800		11300		35800	
2.1	J			3	J							1.3	J	1.1	J	1.5	J	1.2	J		
1.6	J	0.9	J	1.80	J											1.3	J			1.4	J
2.7	J			4	J							4	BJ	4.5	BJ	4.2	BJ	4.1	BJ		
1300				2700				380		50		2900		2800		820		710		140	
												9.4	J	4.2	J	40		47			
6500		8,200		5,500		1,900		360		180	J	115000		112000						17800	
31		13		43				18		1.9	J	290		270		2.8	J			41	
6.4	J	3.9	J	4.4	J											27		25		1.5	J
9,200		6,700		15,500		14,400		26,800		26800		190000		180000		1300000		1240000		243000	
11	J					9.1	J														
100000		89100		49300		47200		28000		27800		35500		33400		107000		105000		98400	
20		14		10		4.30	J	3.40	J	2.5	J	4.4	J	3.7	J	64		64			
5.6	BJ			14	B	1.9	BJ					4.9	J			7.5	J				
								0.5	J												
		0.42	J	0.37	J	0.47	J	1	J	0.88	J					4.2	J	4.3	J	0.57	J
								5.8													
												6.1								0.73	J
0.8	J	0.96	J																		
												1	J								
		1.7	BJ	0.49	JT	0.59	J	1.3	BJ	1.2	BJ	1.2	J	1.3	J					0.67	BJ
				0.55	JBT	0.53	BJ			0.49	J	0.68	BJ	0.78	BJ						
												3.2	J								
												0.76	J								
														0.35	J						
														0.41	J						
												1.3	J								
												5.5								0.4	J
																				1.5	J
								7.6													
								2.8	J												
																58		57		0.92	J
												0.81	J								

Table 3-16
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

MW-UNK-F-102215 MW-UNK 10/22/2015	
Concentration (ug/l)	**Qualifier Flag**
270	
78	
35	
34800	
1.6	J
170	
18300	
34	
258000	
103000	
0.76	J
0.82	BJ
0.78	J
0.45	J
1.1	J

Table 3-16
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

	Sample ID	BASIN-U-1-20140917		BASIN-F-1-20140917		BASIN-U-2-20140917		BASIN-F-2-20140917		BASIN-F-DUP-20140917		BASIN-U-3-20140917	
	Location ID	BASIN 1		BASIN 1		BASIN 2		BASIN 2		BASIN 2		BASIN 3	
	Sample Date	9/17/2014		9/17/2014		9/17/2014		9/17/2014		9/17/2014		9/17/2014	
Parameter ID	**NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values**	**Concentration (ug/l)**	**Qualifier Flag**	**Concentration (ug/l)**	**Qualifier Flag**	**Concentration (ug/l)**	**Qualifier Flag**	**Concentration (ug/l)**	**Qualifier Flag**	**Concentration (ug/l)**	**Qualifier Flag**	**Concentration (ug/l)**	**Qualifier Flag**
Temperature (°C)		---		---		---		---		---		---	
Specific Conductance (ms/cm)		---		---		---		---		---		---	
Dissolved Oxygen (mg/L)		---		---		---		---		---		---	
pH (SU)	12	---		---		---		---		---		---	
TDS (mg/l)		---		---		---		---		---		---	
Oxidation-Reduction Potential (mV)		---		---		---		---		---		---	
Turbidity (NTU)		---		---		---		---		---		---	
Cyanide, Total[1]	200	63.4		13.5		122	J	13.5	J	156	J	41.3	
Cyanide, WAD	NG	7.55	J	30.5		10	U	10	U	10	U	10	U
Cyanide, Amenable	NG	5	U, AmC, CN1	5	U, AmC, CN1	63.5		8.48	J	64.9	J	7.6	
Cyanide, PAC	NG	5.61		6.2		5	U	5	U	5	U	5	U
Aluminum	NG	74		30.6	J	40		33.6		42.8		483	
Arsenic	25	ND		ND		ND		ND		ND		ND	
Barium	1,000	123		122		163		168		167		157	
Calcium	NG	163000		148000		242000		238000		237000		224000	
Chromium	50	ND		ND		ND		ND		ND		1.5	J
Cobalt	NG	ND		ND		ND		ND		ND		ND	
Copper	200	ND		ND		ND		ND		ND		ND	
Iron[(2)]	300	59.6		14.8	J	25.5	J	15.5		16.2		576	
Lead	25	ND		ND		ND		ND		ND		ND	
Magnesium	35,000	345		237		525	J	127		126		1400	
Manganese[(2)]	300	5.2		0.8	J	28.4	J	0.6	J	0.6	J	54.5	
Nickel	100	ND		ND		ND		ND		ND		ND	
Potassium	NG	25300		24800		23700		23900		23900		22300	
Selenium	10	ND		ND		ND		ND		ND		ND	
Sodium	20,000	38200	R06	42400		43100	R06	45400		45300		42100	R06
Thallium	0.5	ND		ND		ND		ND		ND		ND	
Vanadium	NG	ND		ND		ND		ND		ND		ND	
Zinc	2,000	4.2	J	4.4	J	3.6	J	4	J	4.8		8.2	

Key:

Blue highlighted cell and bold white font = Exceedance of NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA groundwater.

U - Analyte not detected at or above the method detection limit

AmC - Unidentified organic chemicals may oxidize or form breakdown products during chlorination which results in a negative value

CN1 - Unable to determine the cyanide amendable to chlorination dur to matrix interference

R06 - Method reporting limit raised to correlate to batch QC reporting limits

J - Detected above the method detection limit, but below the reporting limit; value is estimated

B- Analyte detected in method blank

NS - Not Sampled

ND - Not detected

--- - Not Measured

Note:

1. Results are as reported by laboratory, however filtered sample results for total cyanide and cyanide species were higher than the unfiltered samples in some cases and are considered to be an anomaly.

Table 3-17
Buffalo Lakeside Commerce Park
Surface Water Sample Results - September 2014

BASIN-F-3-20140917 BASIN 3 9/17/2014		BASIN-U-DUP-20140917 BASIN 3 9/17/2014		CB-1-U-20140919 CB-01 9/19/2014	CB-1-U-20140919 CB-01 9/19/2014	CB-1-F-20140919 CB-01 9/19/2014		CB-2-U-20140919 CB-02 9/19/2014		CB-2-F-20140919 CB-02 9/19/2014		CB-3-U-20140919 CB-03 9/19/2014		CB-3-F-20140919 CB-03 9/19/2014		CB-4-U-20140919 CB-04 9/19/2014	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
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---		---		---		---		---		---		---		---		---	
10	U	16.7		16.8	J	10.4		5.68	J	6.5	J	10.1	J	46.7	J	5	U
10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	5.36	J
85.6		5	U, AmC, CN1	5	UJ	5	U	5	UJ	5	UJ	8.6	U, AmC, (	8.6	J	5	UJ
5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
39.5		941		23	J	ND		26.7		ND		26.8		ND		25.4	
ND		2.2	J	ND		ND		ND		ND		ND		2.2	J	ND	
133		156		133		128		129		130		139		126		134	
175000		212000		165000	R06	158000	R06	159000	R06	159000	R06	163000	R06	154000	R06	163000	R06
ND		2.4	J	ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND		ND	
16.9		2840	J	14.8	J	ND		ND		ND		102		62.2		ND	
ND		12.4		ND		ND		ND		ND		ND		ND		ND	
146		2460	J	142		132		137		139		134		129		133	
1.1	J	236	J	0.13	J	0.8	J	1	J	ND		1.6	J	ND		1.4	J
ND		2	J	ND		ND		ND		ND		ND		ND		ND	
24700		22600		26300		26100		25700		25800		28200		25700		26600	
ND		ND		ND		ND		ND		ND		ND		ND		ND	
42700		40400	R06	45900		45600		44500		44300		47000		44100		45900	
ND		ND		ND		2	J	ND		ND		ND		ND		ND	
ND		2.2	J	ND		ND		ND		ND		ND		ND		ND	
3.4	J	38.4	J	4.5	J	ND		3.6	J	ND		3.4	J	ND		8.2	J

Table 3-17
Buffalo Lakeside Commerce Park
Surface Water Sample Results - September 2014

CB-4-F-20140919 CB-04 9/19/2014		OUTFALL-U-20140919 OUTFALL 9/19/2014		OUTFALL-F-20140919 OUTFALL 9/19/2014	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
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---		---			
---		---		---	
---		---		---	
10.1	J	27.6	J	39.1	
10	U	10	U	10	U
5	UJ	17.3	J	31.6	
4.76	J	27.2		5	U
ND		247		8.8	J
2.2	J	2.4	J	ND	
121		83.5		37.2	
148000	R06	123000	R06	43900	R06
ND		1.4	J	ND	
ND		ND		ND	
ND		ND		ND	
ND		312		14	J
ND		ND		ND	
128		6680		6280	
0.7	J	32		1.4	J
ND		ND		ND	
24800		10100		8480	
ND		ND		ND	
42600		27300		24400	
ND		ND		ND	
ND		ND		ND	
4.4	J	8.2	J	ND	
		0.985507246		0.808184143	

Table 3-17
Buffalo Lakeside Commerce Park
Surface Water Sample Results - September 2014

Sample ID		SW-CB-14-1114-U-20141113		SW-CB-14-1114-F-20141113		SW-CB12-1114-U-20141112		SW-CB12-1114-F-20141112		SW-CB-13-1114-U-20141112		SW-CB-13-1114-F-20141111		SW-CB-18-1114-U-20141113		SW-CB-18-1114-F-20141113		SW-CB-17-1114-U-20141113		SW-CB-17-1114-F-20141113		SW-CB16-1114-U-20141117	
Location ID		BASIN 1		BASIN 1		BASIN 2		BASIN 2		BASIN 3		BASIN 3		CB-01		CB-01		CB-02		CB-02		CB-03	
Sample Date		11/13/2014		11/13/2014		11/12/2014		11/12/2014		11/12/2014		11/12/2014		11/13/2014		11/13/2014		11/13/2014		11/13/2014		11/17/2014	
Parameter ID	NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
Temperature (°C)		4		---		10.17		---		6.9		---		4.87		---		4.74		---		4.03	
Specific Conductance (ms/cm)		2.199		---		2.783		---		2.402		---		2.217		---		2.24		---		2.403	
Dissolved Oxygen (mg/L)		9.87		---		3.63		---		9.25		---		9.87		---		9.19		---		9.45	
pH (SU)	8.5	12.32		---		12.46		---		12.36		---		12.35		---		12.4		---		12.35	
TDS (mg/l)		---		---		---		---		---		---		---		---		---		---		---	
Oxidation-Reduction Potential (mV)		-189.9		---		-211.2		---		184.8		---		-233.6		---		-213.6		---		-211.1	
Turbidity (NTU)		25.5		---		1.84		---		15.9		---		25.1		---		20.5		---		>1000	
Cyanide, Total[1]	200	ND	UJ-	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Cyanide, Available	NG	ND	UJ	2.6	J	ND		ND		1.9	J	ND		3.1		3.1		3.5		3.5		1.8	J
Cyanide, Free	5.2	3		4		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Aluminum	NG	ND		ND		ND		ND		ND		ND		ND		ND		63	J	ND		ND	
Arsenic	25	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Barium	1,000	150		120		180		170		150		150		160		140		150		150		160	
Calcium	NG	181000		161000		257000		257000		209000		217000		228000		182000		198000		193000		209000	
Chromium	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Cobalt	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Copper	200	ND		ND		ND		ND		2.2	J	ND		2.4	J	1.9	J	1.7	J	ND		ND	
Iron[2]	300	ND		ND		28	J	ND		ND		ND		930		ND		ND		ND		ND	
Lead	25	ND		ND		ND		ND		3.3	J	ND		ND		ND		ND		ND		ND	
Magnesium	35,000	160	J	120	J	740		130	J	270		120	J	870		0.48	J	180	J	140	J	180	J
Manganese[2]	300	3.3		ND		47		ND		12		ND		65		ND		3.3		0.57	J	3.5	
Nickel	100	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Potassium	NG	26300		24300		28300		28100		27600		28500		28700		27600		28600		28600		28600	
Selenium	10	ND		ND		ND		9.2	J	ND		ND		ND		ND		ND		ND		ND	
Sodium	20,000	43000		39800		47900		48800		45500		47100		46800		45000		46600		46700		49800	
Thallium	0.5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Zinc	2,000	6.5	BJ	5.9	BJ	5.4	BJ	2.3	BJ	9.5	BJ	8.1	BJ	10	B	8.1	BJ	5.5	BJ	7.2	BJ	2.5	BJ
2-Methylphenol	NG	ND		ND		ND		0.74	J	ND		ND		ND		ND		ND		ND		ND	
2,4-Dimethylphenol	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4,6-Dinitro-2-Methylphenol	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4,6-Dinitrotoluene								1.5	J													ND	
4-Methylphenol	NG	0.56	J	0.54	J	0.9	J	0.74	J	0.56	J	0.49	J	0.44	J	0.52	J	0.44	J	0.5	J	0.66	J
Acetophenone	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzaldehyde	NG		U		U	1.4	UJ	1.4	UJ		U		U	ND	U	ND	U		U		U	ND	U
Bis(2-ethylhexyl)Phthalate	5		U		U	5.4	U	5	U		U		U	ND	U	ND	U		U		U	ND	U
Carbazole	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	0.002	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzo(a,h)anthracene	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Fluoranthene	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Fluorene	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Naphthalene	10	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Nitrobenzene	0.4	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
N-nitrosodi-n-propylamine	NG	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Pentachlorophenol[1]	1	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenol[1]	1		U		U	0.99	J	0.99	J		U		U	ND	U	ND	U		U		U	0.75	J
Pyrene	50	ND		ND										ND									

Key:

Blue highlighted cell and bold white font = Exceedance of NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA groundwater.

U - Analyte not detected at or above the method detection limit

AmC - Unidentified organic chemicals may oxidize or form breakdown products during chlorination which results in a negative value

CN1 - Unable to determine the cyanide amendable to chlorination dur to matrix interference

R06 - Method reporting limit raised to correlate to batch QC reporting limits

J - Detected above the method detection limit, but below the reporting limit; value is estimated

B- Analyte detected in method blank

NS - Not Sampled

ND - Not detected

--- - Not Measured

Note:

1. Results are as reported by laboratory, however filtered sample results for total cyanide and cyanide species were higher than the unfiltered samples in some cases and are considered to be an anomaly.

Table 3-18
Buffalo Lakeside Commerce Park
Surface Water Sample Results - November 2014

SW-CB16-1114-F-20141117 CB-03 11/17/2014		SW-CB15-1114-U-20141117 CB-04 11/17/2014		SW-CB15-1114-F-20141117 CB-04 11/17/2014		SW-CB01-1114-U-20141110 CB-05 11/10/2014		SW-CB01-1114-F-20141110 CB-05 11/10/2014		SW-CB02-1114-U-20141111 CB-06 11/11/2014		SW-CB02-1114-F-20141111 CB-06 11/11/2014		SW-CB03-1114-U-20141111 CB-07 11/11/2014		SW-BD01-1114-U-20141111 CB-07 11/11/2014		SW-CB03-1114-F-20141111 CB-07 11/11/2014		SO-CB04-1114-U-20141111 CB-08 11/11/2014		SO-CB04-1114-F-20141111 CB-08 11/11/2014		SO-CB05-1114-U CB-09 11/11/2
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)
---		3.83		---		11.1		---		11.32		---		12.63		---		---		15.63		---		15.05
---		2.4		---		0.204		---		0.255		---		2.271		---		---		2.217		---		2.77
---		3.75		---		8.53		---		4.37		---		3.18		---		---		2.8		---		5.05
---		12.21		---		9.24		---		7.27		---		7.34		---		---		11.38		---		11.51
---		---		---		---		---		0.166		---		1.476		---		---		1.442		---		1.801
---		-178.3		---		220		---		122.5		---		101.2		---		---		-426.7		---		-442.2
---		23.3		---		6.93		---		2.61		---		3.06		---		---		6.93		---		0.69
ND		ND	UJ	ND		ND		ND		ND		ND		19		19		18		45		ND		ND
2.3		ND		ND	U	NS		NS		ND		ND		ND		ND		ND		ND		ND		ND
ND		NS		NS		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
ND		ND		ND		140	J	62	J	160	J	ND		ND		ND		ND		290		210		ND
ND		ND		ND		ND		ND		ND		ND		6.2	J	7.8	J	ND		ND		7.4	J	ND
150		160		160		22		20		18		14		43		41		41		73		73		180
200000		211000		202000		33700		32300		32800		32200		85500		85100		86100		181000		180000		269000
ND		ND		ND		ND		ND		ND		ND		1.1	J	1.6	J	ND		ND		ND		ND
ND		ND		ND		ND		ND		0.73	J	ND		ND		0.67	J	ND		ND		ND		ND
ND		1.8	J	ND		3	J	2	J	3.2	J	ND		4.3	J	4.4	J	1.9	J	ND		ND		ND
ND		ND		ND		330		120		580		250		470		490		250		100		39	J	38
ND		ND		ND		ND		ND		ND		ND		7.5	J	6.9	J	7	J	5.4	J	3.4	J	ND
130	J	170	J	130	J	1.9		1800		1000		890		25500		25500		26000		640		440		81
ND		4.1		0.43	J	57	B	19	B	89		71		95		95		95		0.45	J	ND		ND
ND		ND		ND		ND		ND		ND		ND		5.8	J	6.2	J	5.8	J	2.8	J	2.2	J	ND
28300		28600		28000		4600	B	4600	B	2100		2000		375000		373000		381000		169000		171000		28200
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
49500		49500		49600		4600		4600		14200		14200		164000		162000		166000		77400		77800		35900
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
ND		ND		ND		ND		ND		ND		ND		2.7	J	2.9	J	2.5	J	11		9.9		ND
1.5	BJ	7.6	BJ	4.4	BJ	8.4	BJ	7.7	BJ	14	B	7.1	BJ	5.4	BJ	6.2	BJ	6.5	BJ	5.2	BJ	4.5	BJ	4.7
ND		ND		0.79	J	0.88	BJ	ND			U		U	ND		ND		ND		ND		ND		ND
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
ND		ND		ND		5.1	J	ND		ND		ND		ND		ND		ND		ND		ND		ND
				ND						ND		ND		ND		ND		ND						
0.68	J	0.63	J	ND		0.8	J	0.48	J	ND		ND		ND		ND		ND		0.85	J	1.1	J	0.72
ND		ND		ND		1.3	J	1.2	J	ND		ND		ND		ND		ND		0.78	J	0.74	J	ND
	U		U		U	1	BJ	0.91	BJ		UJ		UJ		UJ		UJ		UJ		UJ	ND		
	U		U		U	4	J	2.2	J		U		U		U		U		U		U		U	
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.54	J	ND		ND
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND						ND
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND						ND
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND						ND
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND						ND
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND						ND
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1.5	J	1.1	J	ND
ND		ND		ND		ND		ND			U		U		U	ND		ND		ND			U	0.47
ND		ND		ND		4.2	J	3.9	J	4.4	J		U		U		U		U	ND		ND		
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		4.5	J	3.5	J	ND
ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.79	J	ND		ND
0.84	J	0.74	J	0.91	J	ND		ND		ND		ND		ND		ND		ND		4.6	J	4.8	J	ND

Table 3-18
Buffalo Lakeside Commerce Park
Surface Water Sample Results - November 2014

U-20141111 9 014	SO-CB05-1114-F-20141111 CB-09 11/11/2014		SW-CB06-1114-U-2014111 CB-10 11/11/2014		SW-CB06-1114-F-20141111 CB-10 11/11/2014		SW-CB07-1114-U-20141111 CB-11 11/11/2014		SW-CB07-1114-F-20141111 CB-11 11/11/2014		SW-CB08-1114-U-20141111 CB-12 11/11/2014		SW-CB08-1114-F-20141111 CB-12 11/11/2014		SW-CB10-1114-U-20141112 CB-14 11/12/2014		SW-CB10-1114-F-20141112 CB-14 11/12/2014		SW-CB11-1114-U-20141112 CB-15 11/12/2014		SW-CB11-1114-F-20141112 CB-15 11/12/2014		SW-CB-19-1114-U-20141113 OUTFALL 11/13/2014		SW-CB-19-1114 OUTF 11/13/
Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)
	---		15.54		---		12.49		---		8.59		---		10.07		---		12.07		---		7.25		---
	---		2.646		---		0.236		---		0.329		---		0.328		---		2.372		---		0.42		---
	---		4.6		---		3.73		---		1.77		---		2.78		---		3.21		---		9.71		---
	---		11.63		---		7.1		---		7.24		---		7.53		---		12.16		---		10.34		---
	---		1.72		---		0.153		---		---		---		---		---		---		---		---		
	---		-436.5		---		-207.3		---		140		---		12.6		---		137.7		---		-144.9		---
	---		0.81		---		4.57		---		12.8		---		5.16		---		0.37		---		5.72		---
	ND		ND		ND		ND		ND		ND		ND		6.2	J	6.4	J	ND		ND		ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3.9		2.2
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	ND		ND		ND		140	J	ND		92	J	ND		120	J	ND		89	J	94	J	ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.6	J	ND
	180		170		170		17		16		36		29		19		18		150		150		39		36
	271000		258000		260000		29200		28800		34000		33200		29600		29000		219000		222000		52300		48600
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	ND		ND		ND		1.6	J	ND		2.2	J	ND		3.1	J	1.6	J	ND		ND		1.9	J	1.6
J	ND		38	J	ND		450		110		1800		680		390		110		ND		ND		26	J	ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
J	95	J	980		430		1500		1400		940		880		720		670		ND		ND		7000		7600
	ND		64		0.84	J	120		120		320		300		82		75		ND		ND		4.9		2.5
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	31900		17500		17600		2800		2800		3500		3300		1700		1600		15400		15600		7100		7900
	9	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	38000		53400		52800		14100		14300		24900		24300		37200		36700		65700		68900		19100		21100
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
BJ	3.8	BJ	2.9	BJ	3.3	BJ	6.9	BJ	3.5	BJ	12	B	7.1	BJ	12	J	18	J	2.5	BJ	7.2	BJ	8.3	BJ	12
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.73	J	0.75	J	ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
			ND										ND		ND		ND						ND		ND
J	0.75	J	ND		0.41	J	ND		1.8	J	ND		ND		ND		ND		0.46	J	0.52	J	ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
UJ		UJ	1	UJ	1.3	UJ	1.1	UJ	1.4	UJ	1.2	UJ	1.5	UJ	1.2	UJ	1.4	UJ	1	UJ	1.3	UJ	ND	U	ND
U		U	2.9	U	3	U	2.9	U	3.4	U	2.7	U	2.9	U	ND		3.2	U	3.8	U	3.6	U	ND	U	ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
U	4.7		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND
	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
	0.69	J	ND		ND		ND		0.51	J	ND		4.7	J	ND		ND		ND		0.42	J	ND		ND

Table 3-18
Buffalo Lakeside Commerce Park
Surface Water Sample Results - November 2014

-F-20141113 ALL 2014	SW-CB20-1114-U-20141117 CB-16 11/17/2014		SW-CB20-1114-F-20141117 CB-16 11/17/2014	
Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
	9.01		---	
	2.654		---	
	5.1		---	
	12.25		---	
	---		---	
	-227.13		---	
	6.6		---	
	ND		ND	
	ND		ND	
	ND		ND	
	190	J	260	J
	ND		ND	
	160		160	
	232000		232000	
	ND		ND	
	ND		ND	
J	ND		ND	
	27	J	ND	
	ND		ND	
	990		150	J
J	42		0.6	J
	ND		ND	
	31500		31700	
	ND		ND	
	50200		50800	
	ND		ND	
	ND		ND	
B	6.9	BJ	1.7	BJ
	ND		ND	
	ND		ND	
	ND		ND	
	0.71	J	0.66	J
	ND		ND	
U	ND	U	ND	
U	ND	U	ND	U
	ND		ND	
	ND		ND	
	ND		ND	
	ND		ND	
	ND		ND	
	ND		ND	
	ND		ND	
	ND		ND	
	ND		ND	
	0.9	J	0.84	J

Table 3-18
Buffalo Lakeside Commerce Park
Surface Water Sample Results - November 2014

Parameter ID	Sample ID Location ID Sample Date	NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values	CB-12-052815 CB-12 5/28/2015		CB-12-F-052815 CB-12 5/28/2015		CB-18-052815 CB-18 5/28/2015		CB-18-F-052815 CB-18 5/28/2015		CB-19-052815 CB-19 5/28/2015		CB-19-F-052815 CB-19 5/28/2015	
			Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
Temperature (°C)			19.1		---		18.34		---		16.9		---	
Specific Conductance (ms/cm)			0.369		---		2.933		---		3.05		---	
Dissolved Oxygen (mg/L)			2.74		---		1.17		---		2.68		---	
pH (SU)		8.5	10.18		---		12.94		---		13.07		---	
Oxidation-Reduction Potential (mV)			-67.2		---		-145.6		---		-132		---	
Turbidity (NTU)			48		---		1				0.5		---	
Cyanide, Total[1]		200	15.8		13.5		12.8		9.53		6.45		ND	
Cyanide, Free		5.2	ND		ND		ND		ND		ND		ND	
Aluminum		NG	965		ND		ND		ND		ND		ND	
Arsenic		25	ND		ND		ND		ND		ND		ND	
Barium		1,000	18.9	B	10.5	B	154	B	154		163	B	164	B
Calcium		NG	23500		20800		261000		259000		276000		278000	
Chromium		50	3.3	B	0.96	B	ND		ND		ND		ND	
Cobalt		NG	2.4	B	0.93	B	ND		ND		ND		ND	
Copper		200	10.9	B	4	B	9.4	B	ND		ND		ND	
Iron		300	1750		77	B	84.7	B	ND		ND		ND	
Lead		25	4.5	B	ND		ND		ND		ND		ND	
Magnesium		35,000	1660		575		ND		ND		ND		ND	
Manganese[(2)]		300	85.9		47.7	B	ND		ND		ND		ND	
Nickel		100	3		ND		ND		ND		ND		ND	
Potassium		NG	3510		3150	E	40700	E	39700		17900	E	17500	E
Selenium		10	ND		ND		12	B	ND		ND		17.5	B
Sodium		20000	45500		43500		38600		38800		59200		59300	
Vanadium		NG	5.1		3.1	B	ND		ND		ND		ND	
Zinc		2,000	24.7		ND		ND		ND		ND		ND	
4-Methylphenol		NG	ND		ND		ND		ND		ND		ND	
Fluorene		50	ND		ND		ND		2.4	J	ND		ND	
Naphthalene		10	ND		ND		ND		6	J	ND		ND	
Phenanthrene		50	ND		ND		ND		4.2	J	ND		ND	
Phenol		1	ND		ND		ND		2	J	ND		ND	

Key:

U - Analyte not detected at or above the method detection limit

AmC - Unidentified organic chemicals may oxidize or form breakdown products during chlorination which results in a negative value

CN1 - Unable to determine the cyanide amendable to chlorination dur to matrix interference

R06 - Method reporting limit raised to correlate to batch QC reporting limits

J - Detected above the method detection limit, but below the reporting limit; value is estimated

B- Analyte detected in method blank

NS - Not Sampled

ND - Not detected

--- - Not Measured

Note:

1. Results are as reported by laboratory, however filtered sample results for total cyanide and cyanide species were higher than the unfiltered samples in some cases and are considered to be an anomaly.

Table 3-19
Buffalo Lakeside Commerce Park
Surface Water Sample Results - May 2015

CB-20-052815 CB-20 5/28/2015		CB-20-F-052815 CB-20 5/28/2015		CB-21-052815 CB-21 5/28/2015		CB-21-F-052815 CB-21 5/28/2015		CB-22-052815 CB-22 5/28/2015		CB-22-F-052815 CB-22 5/28/2015		CB-23-052815 CB-23 5/28/2015		CB-23-F-052815 CB-23 5/28/2015	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
18.45		---		22.7		---		17.64		---		17.93		---	
1.027		---		2.39		---		0.698		---		3.679		---	
52.5		---		1.28		---		1.16		---		0.03		---	
7.64		---		7.71		---		8.23		---		12.82		---	
173.1		---		-28.6		---		27.3		---		-96.6		---	
30.7		---		105.6		---		37.6		---		7.3		---	
16		20.3				34.6		9.92		7.98	J	140		181	
ND		ND		ND		ND		ND		ND		ND		ND	
629		84.9		2890		76.2	B	566		108	B	2490		2290	
ND		ND		4.6	B	32.5	B	ND		ND		9.3	B	7.9	B
22.4		16.1		53.5	B	ND		13.9	B	11.5	B	37.3	B	36.7	B
36700		35300		59500		47800		24200		23400		58300		57400	
3.4		1.7		8.5	B	0.99	B	2.2	B	0.92	B	3.9	B	3.8	B
3.2		1		6.7	B	1.7	B	1.5	B	0.72	B	ND		ND	
15.3		11.8		33.3		4.7	B	12	B	ND		ND		ND	
1080		66.2		7990		1310		1190		188	B	361		231	
ND		ND		26		ND		ND		ND		ND		ND	
2590		2100		6650		2440		1520		976		802		158	B
74.3		36.4		511		381		80.9		65.5		ND		ND	
2.9		1.5		9	B	1.8	B	1.5	B	ND		7.2	B	6.9	B
2870		2680		13100	E	12800	E	18800	E	19000	E	ND		ND	
ND		ND		16	B	ND		ND		ND		17.2	B	15.4	B
ND		166000		457000		469000		65500		66000		92100		94800	
4.9		3.3		10.5	B	3.7	B	3.3	B	2.2	B	21	B	20.2	B
30.1		8.2		140		ND		20.3	B	8.6	B	6.3	B	ND	
ND		ND		230	D	270	D	ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		4.7	J
ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		7.7	DJ	10	DJ	ND		ND		ND		3.6	J

Table 3-19
Buffalo Lakeside Commerce Park
Surface Water Sample Results - May 2015

CB-24-052815 CB-24 5/28/2015		CB-24-F-052815 CB-24 5/28/2015		CB-25-052815 CB-25 5/28/2015		CB-25-F-052815 CB-25 5/28/2015		CB-26-052915 CB-26 5/29/2015		CB-26-F-052915 CB-26 5/29/2015		CB-27-052915 CB-27 5/29/2015		CB-27-F-052915 CB-27 5/29/2015	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
17.49		---		17.26		---		20.09		---		17.91		---	
2.986		---		3.052		---		3.885		---		1.847		---	
3.33		---		3.29		---		1.73		---		3.48		---	
13.01		---		13.03		---		12.66		---		12.6		---	
-130.7		---		-123.6		---		-105.9		---		-79.9		---	
0.3		---		5.9		---		8.5		---		133.2		---	
18.7		11.1		7.1		7.07		7		9.15		8.49		6.92	
ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		128	B
5.7	B	ND		ND		ND		ND		ND		ND		ND	
160	B	168	B	161	B	161	B	150	B	155	B	141	B	134	B
266000		277000		279000		275000		245000		252000		231000		231000	
ND		ND		ND		ND		ND		ND		2	B	ND	
ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		6.4	B	ND	
ND		ND		ND		ND		ND		ND		2150		47.1	B
ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		327	B	192	B	ND		ND		784		ND	
ND		ND		ND		ND		ND		ND		62.7		ND	
ND		ND		ND		ND		ND		ND		1.3	B	ND	
33200	E	33500	E	17900	E	18000	E	17400	E	17800	E	16300	E	16200	E
ND		ND		ND		14.4	B	19.4	B	ND		16.9	B	16.6	B
41000		42700		61900		62400		343000		355000		302000		308000	
ND		ND		ND		ND		ND		ND		3.1	B	ND	
ND		ND		ND		ND		ND		ND		21.7	B	ND	
ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND		ND		ND	

Table 3-19
Buffalo Lakeside Commerce Park
Surface Water Sample Results - May 2015

CB-28-052915 CB-28 5/29/2015		CB-28-F-052915 CB-28 5/29/2015		CB-29-052915 CB-29 5/29/2015		CB-29-F-052915 CB-29 5/29/2015		CB-DUP-01-052815 5/28/2015		CB-DUP-02-052915 5/29/2015	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
17.73		---		17.84		---		---		---	
0.495		---		0.479		---		---		---	
6.13		---		4.91		---		---		---	
9.68		---		9.08		---		---		---	
20.2		---		66.1		---		---		---	
50.2		---		6.4		---		---		---	
4.97	J	5.28	J	4.8	J	4.76	J	14.4		4.92	J
ND		ND		ND		ND		ND		ND	
661		ND		ND		ND		1050		779	
ND		ND		ND		4.5	B	ND		ND	
39.3	B	31.3	B	32.7	B	31.5	B	17.8	B	40	B
54100		38300		41400		39700		23600		54200	
0.91	B	3.4	B	ND		ND		3.3	B	1.3	B
ND		ND		ND		ND		2.6	B	ND	
ND		ND		ND		ND		11.8	B	ND	
766		ND		ND		ND		1780		841	
ND		ND		ND		ND		ND		ND	
11000		8280		8900		8520		1660		11500	
84.4		ND		ND		ND		87.5		106	
ND		ND		ND		ND		2.8	B	ND	
5660	E	5380	E	5450	E	5270	E	3420	E	5520	E
ND		ND		ND		ND		ND		ND	
37500		34600		36000		35500		44800		36400	
ND		ND		ND		ND		5.8	B	ND	
6	B	17.1	B	ND		ND		27.7	B	5.5	
ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND	
ND		ND		ND		ND		ND		ND	

Table 3-19
Buffalo Lakeside Commerce Park
Surface Water Sample Results - May 2015

	Sample ID	CB-01-102215		CB-01-F-102215		CB-02-102215		CB-02-F-102215		CB-DUP-03-102215		CB-03-102215		CB-03-F-102215	
	Location ID	CB-01		CB-01		CB-02		CB-02		CB-02		CB-03		CB-03	
	Sample Date	10/22/2015		10/22/2015		10/22/2015		10/22/2015		10/22/2015		10/22/2015		10/22/2015	
Parameter ID	NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
Temperature (°C)		9.78		---		7.86		---		---		9.32		---	
Specific Conductance (ms/cm)		3.472		---		3.467		---		---		3.514		---	
Dissolved Oxygen (mg/L)		3.27		---		3.88		---		---		3.38		---	
pH (SU)	12	10.58		---		10.68		---		---		10.66		---	
Oxidation-Reduction Potential (mV)		-152.2		---		-148.8		---		---		-152.3		---	
Turbidity (NTU)		29.9		---		4.3		---		---		9.9		---	
Aluminum	NG														
Arsenic	25														
Barium	1,000	150		140		140		150		150		150		160	
Calcium	NG	174000		166000		167000		164000		168000		172000		193000	
Chromium	50														
Cobalt	NG														
Copper	200														
Iron	300	62				25	J								
Lead	25														
Magnesium	35000	180	J	100	J	140	J	100	J	130	J	120	J	96	J
Manganese[2]	300	4.6		0.48	J	2.6	J			2	J	2.3	J	0.5	J
Nickel	100														
Potassium	NG	25200		25200		24600		25400		25100		25100		24000	
Sodium	20000	75600		74800		74100		76600		75800		76000		76200	
Vanadium	NG														
Zinc	2,000			1.8	J										
2-Methylphenol	NG														
2-Nitrophenol															
2,4-Dimethylphenol	50														
2,6-Dinitrotoluene															
4-Nitrophenol	NG														
4-Methylphenol	NG	0.9	J	0.4	J	0.53	J	0.53	J	0.55	J	0.57	J	0.52	J
Acenaphthene	20														
Benzaldehyde	NG	0.51	BJ			0.5	BJ	0.65	BJ	0.52	BJ	0.5	BJ	0.77	BJ
Benzyl butyl phthalate	NG			0.6	J										
Carbazole	NG														
Diethyl phthalate	50														
Di-n-butyl phthalate	50														
Di-n-octylphthalate															
Naphthalene	10														
N-nitrosodi-n-propylamine	NG														
Pentachlorophenol	1														
Phenanthrene	50														
Phenol	1	1.3	J					0.4	J						

Key:
U - Analyte not detected at or above the method detection limit
AmC - Unidentified organic chemicals may oxidize or form breakdown products during chlorination which results in a negative value
CN1 - Unable to determine the cyanide amendable to chlorination dur to matrix interference
R06 - Method reporting limit raised to correlate to batch QC reporting limits
J - Detected above the method detection limit, but below the reporting limit; value is estimated
B- Analyte detected in method blank
NS - Not Sampled
ND - Not detected
--- - Not Measured
Note:
1. Results are as reported by laboratory, however filtered sample results for total cyanide and cyanide species were higher than the unfiltered samples in some cases and are considered to be an anomaly.

Table 3-20
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

CB-04-102215 CB-04 10/22/2015		CB-04-F-102215 CB-04 10/22/2015		CB-05-102115 CB-05 10/21/2015		CB-05-F-102115 CB-05 10/21/2015		CB-06-102115 CB-06 10/21/2015		CB-06-F-102115 CB-06 10/21/2015		CB-07-102215 CB-07 10/22/2015		CB-07-F-102215 CB-07 10/22/2015		CB-08-102115 CB-08 10/21/2015	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
13.1		---		12.32				13				15.47		---		17.29	
3.789		---		0.419				0.438				0.773		---		2.169	
2.9		---		17.5				---				7.25		---		2.85	
10.57		---		7.09				6.88				7.19		---		8.25	
-151.7		---		18.34				100.5				50.4		---		-37.6	
8.8		---		10.2				10.4				11.3		---		7.6	
				250				190	J			160	J	80	J		
150		150		25		24		19		14		27		25		91	
183000		173000		40300		40300		28700		28200		45100		44200		43100	
				2.4	J	1.9	J	4.6	J			1.9	J			3.3	J
				360		89		580		140		420		210		100	
130	J	100	J	1400		1400		950		700		7000		6800		43800	
2.1	J			58		35		95		83		110		100		29	
								1.8	J	1.3	J	1.5	J			2.2	J
25200		24700		4500		4400		1800		1600		37800		37400		450000	
76900		75200		2700		2700		18800		19100		105000		105000		156000	
								1.7	J							1.7	J
				3.6	J			11		2.8	J	5.3	J	2.8	J	1.5	J
								2.2	J	2	J						
0.45	J	0.57	J														
0.56	BJ	0.66	BJ							0.32	J	0.51	BJ	0.54	BJ	0.94	J
				0.62	BJ	0.63	BJ	0.61	BJ	0.64	BJ					0.54	BJ
																0.32	J
										1.8	J						
						0.34	J			0.55	J			0.47	J		
		0.42	J														

Table 3-20
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

CB-08-F-102115 CB-08 10/21/2015		CB-09-102215 CB-09 10/22/2015		CB-09-F-102215 CB-09 10/22/2015		CB-10-102115 CB-10 10/21/2015		CB-10-F-102115 CB-10 10/21/2015		CB-11-102115 CB-11 10/21/2015		CB-11-F-102115 CB-11 10/21/2015		CB-12-101615 CB-12 10/16/2015		CB-12-F-101615 CB-12 10/16/2015	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
---		15.41		---		16.17		---		16.36		---		17.2		---	
---		2.336		---		2.718		---		0.217		---		0.246		---	
---		7.13		---		7.22		---		6.24		---		3.5		---	
---		10.94		---		10.92		---		6.84		---		7.89		---	
---		-91.9		---		-85.1		---		58.9		---		-11		---	
---		0.2		---		1		---		6.2		---		40.6		---	
										160	BJ			2500			
88		170		180		180		180		17		16		38		17	
41500		233000		245000		267000		271000		25900		26200		39500		27800	
														7.7			
														2.5	J		
						4.8	J			3.1	J	1.6	J	16			
29	J					41	J			550		140		5500		530	
														16			
42400		700		200		250		76	J	730		670		4100		750	
27		46		23	J	3.3				160		150		330		250	
1.5	J													6.1	J		
435000		23100		23500		16200		16500		1900		2000		2200		1500	
150000		75600		83100		112000		113000		22200		22200		25900		25800	
1.8	J													6.8			
										6.4	BJ	1.7	J	110		5.8	J
0.79	J																
																1.2	J
										1.8	J	2.2	J			1.8	J
1.7	J	0.53	J	0.56	J											0.69	J
1.1	J	0.42	BJ	0.46	BJ	0.38	BJ	0.4	BJ	1.2	J			0.68	BJ	0.84	BJ
0.65	BJ																
												1.2	J				
												0.42	J				
												0.73	J				
6.3																	
		2.5	J														
0.91	J											0.89	J				

Table 3-20
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

CB-DUP-01-101615 CB-12 10/16/2015		CB-14-102115 CB-14 10/21/2015		CB-14-F-102115 CB-14 10/21/2015		CB-16-102215 CB-16 10/22/2015		CB-16-F-102215 CB-16 10/22/2015		CB-18-102115 CB-18 10/21/2015		CB-18-F-102215 CB-18 10/21/2015		CB-19-102115 CB-19 10/21/2015		CB-19-F-102115 CB-19 10/21/2015	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
---		15.24		---		14.81		---		14.86				17.46		---	
---		0.175		---		0.662		---		5.092				2.875		---	
---		6.7		---		10.25		---		---				5.72		---	
---		7.22		---		10.18		---		11.14				11.2		---	
---		60.9		---		-52.2		---		-202.9				-127.9		---	
---		41.7		---		0.7		---		0.5				0.4		---	
1600		610	B	190	BJ												
29		26		20		68		70		180		180		180		170	
32100		20800		20200		47700		49700		263000		261000		264000		264000	
4.6		1.6	J														
1.5	J																
9.3	J	6.6	J	3.6	J												
3300		1100		340										26	J		
8.4	J	4.8	J														
2000		750		590		390		390									
290		81		54		15	J	0.46	J					0.93	J		
3.5	J	1.8	J														
2000		1000		920		37700		39100		29200		29100		15600		15700	
26000		19300		19000		67200		69200		41600		41400		135000		137000	
4.6	J	2.6	J	1.7	J												
64		43	B	18	B	8.4	J	5.2	J								
						0.56	J										
				1.8	J							0.6	J				
		1.1	J	1.2	J	0.42	BJ	0.49	BJ	2.2	BJ	0.69	BJ	0.33	BJ	0.47	BJ
				7.5													
				0.45	J												
						2.7	J							2.2	J		
								0.47	J			0.53	J	0.53	J		

Table 3-20
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

CB-20-102115 CB-20 10/21/2015		CB-20-F-102115 CB-20 10/21/2015		CB-21-102115 CB-21 10/21/2015		CB-21-F-102115 CB-21 10/21/2015		CB-22-102115 CB-22 10/21/2015		CB-22-F-102115 CB-22 10/21/2015		CB-23-102115 CB-23 10/21/2015		CB-23-F-102115 CB-23 10/21/2015		CB-DUP-02-102115 CB-23 10/21/2015	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
9.94		---		14.78		---		14.39		---		17.79		---		---	
0.204		---		0.719		---		0.603		---		2.382		---		---	
---		---		---		---		---		---		0.25		---		---	
6.74		---		6.45		---		8.01		---		10.24		---		---	
69.4		---		74.7		---		-21.1		---		-93.7		---		---	
27.3		---		19.7		---		3.2		---		20.5		---		---	
200				160	J							460		290		290	
												21		18		20	
16		14		23		20		31		28		31		28		25	
21900		21500		34400		34000		35100		35100		27400		23900		21600	
1.2	J			1.3	J							4.7		4.1		3.1	J
				0.66	J							0.84	J	0.65	J		
4.5	J	3.2	J	6.3	J	2.4	J	2.3	J			6.3	J	3.8	J	3.6	J
460		150		680		190		610		200		470		310		280	
												8.9	J	5.7	J	6.3	J
750		570		1300		1200		920		890		1500		1300		1100	
70		60		190		180		230		230		12		6.7		6	
				1.4	J							9.6	J	8.4	J	7.9	J
1400		1300		3200		3100		4300		4200		381000		354000		327000	
16000		16100		36900		37000		21800		21800		282000		262000		240000	
2	J											73		65		61	
13		4.8	J	20		8.2	J	3.9	J	57		12		8.5	J	7.3	J
																0.68	J
2.6	J	2.8	J			2	J			1.6	J						
										0.41	J	4.8	J	5	J	6.3	J
												0.61	J				
		0.27	J	1.1	J	0.4	J	0.33	J	0.34	J	1.2	J	1.5	J	1.2	J
0.67	BJ	0.58	BJ	0.47	BJ	0.62	BJ	0.66	BJ	0.69	BJ	0.51	BJ				
												0.5	J				
		0.46	J			0.42	J			0.54	J						
												2.3	J			2.1	J
																2.2	J
						0.53	J	0.55	J	0.69	J						
												35		34		36	

Table 3-20
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

CB-24-102115 CB-24 10/21/2015		CB-24-F-102115 CB-24 10/21/2015		CB-25-102115 CB-25 10/21/2015		CB-25-F-102115 CB-25 10/21/2015		CB-26-101615 CB-26 10/16/2015		CB-26-F-101615 CB-26 10/16/2015		CB-27-101615 CB-27 10/16/2015		CB-27-F-101615 CB-27 10/16/2015		CB-28-101615 CB-28 10/16/2015	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
17.05		---		17.55		---		16.3		---		15.4		---		19.8	
2.532		---		2.42		---		2.266		---		1.883		---		0.37	
6.15		---		6.01		---		2.37		---		12.13		---		10.55	
11.32		---		11.22		---		12.22		---		12.03		---		9.35	
-156.1		---		-141.1		---		-177.9		---		-7.2		---		6.2	
1		---		0.3		---		7.2		---		11.3		---		16.2	
								120	J	78	J	170	J	130	J	80	J
190		180		170		170		140		140		120		120		33	
275000		259000		241000		239000		201000		203000		180000		182000		38400	
				50								36	J			51	
				1400		570						43	J			7300	
				75		1.2	J					2.8	J	0.57	J	3.1	
29800		28200		19600		19900		16700		16600			15000	15100		4500	
44700		42000		107000		107000		184000				177000				31200	
								3	J			3.5	J				
								0.71	J	0.81	J	0.67	J				
0.69	J	0.66	J					0.46	J	0.43	J	0.61	J	0.62	J		
0.36	BJ	1.1	J	0.37	BJ	0.57	BJ	0.5	BJ			0.52	BJ	0.61	BJ		
2.3	J																
												1	J	0.95	J		

Table 3-20
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

CB-28-F-101615 CB-28 10/16/2015		CB-29-102115 CB-29 10/21/2015		CB-29-F-102115 CB-29 10/21/2015		CB-30-102215 CB-30 10/22/2015		CB-30-F-102115 CB-30 10/22/2015		BASIN-1-102215 BASIN-1 10/22/2015		BASIN-1-F-102215 BASIN-1 10/22/2015		BASIN-2-102215 BASIN-2 10/22/2015		BASIN-2-F-102215 BASIN-2 10/22/2015	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
---		16.57		---		15.06		---		18.74		---		21.47		---	
---		0.318		---		2.332		---		3.864		---		4.907		---	
---		5.12		---		9.6		---		2.65		---		1.87		---	
---		7.35		---		11.23		---		10.3		---		10.52		---	
---		55		---		-119.1		---		-126.2		---		-187.1		---	
---		1		---		0.1		---		2.1		---		83.4		---	
		61	BJ	77	BJ									150	J		
33		29		29		170		170		160		140		190		180	
38300		36600		36300		224000		234000		178000		158000		270000		240000	
		23	J					110		22	J			160			
						3	J	3.1	J					4.2	J		
7200		6800		6800		580		130	J	120	J	97	J	2800		110	J
1.3	J	1.7	J			36		1.2	J	1.9	J			200			
4500		3900		3900		22900		23400		25400		25200		24000		23900	
31600		22800		22800		72600		74400		76300		75500		77100		77100	
		1.6	BJ					2.5	J					2	J		
0.43	J																
								0.85	J								
						0.61	J	0.67	J	0.37	J	0.4	J	0.37	J	0.43	J
0.57	BJ	1.2	J	1	J	0.45	J	0.6	BJ	0.29	J	0.37	J			0.3	J
		0.5	BJ	0.56	BJ					0.61	BJ	0.63	BJ	0.62	BJ	0.63	BJ
												0.71	J				
						2.6	J										

Table 3-20
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

BASIN-3-102215 BASIN-3 10/22/2015		BASIN-3-F-102215 BASIN-3 10/22/2015		BASIN-DUP-04-102215 BASIN-3 10/22/2015	
Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag	Concentration (ug/l)	Qualifier Flag
19.12		---		---	
4.24		---		---	
2.57		---		---	
10.43		---		---	
-154		---		---	
25.1		---		---	
160		150		160	
200000		168000		195000	
3.1	J				
160	J	91	J	93	J
4.3					
24500		24700		24500	
78000		74700		78000	
0.37	J	0.4	J	0.39	J
		0.32	J	0.33	J
0.63	BJ	0.65	BJ	0.63	BJ
0.69	J				

Table 3-20
Buffalo Lakeside Commerce Park
Surface Water Sample Results - October 2015

Sample ID				BASIN-1-SED-20140918		BASIN-2-SED-20140918		BASIN-3-SED-20140918		BASIN-DUP-SED-20140918		CB-2-SED-20140919		CB-1-SED-20140919		OUTFALL_SED-20140919	
Location ID				BASIN 1		BASIN 2		BASIN 3		BASIN 3		CB-02		CB-01		OUTFALL	
Sample Date				9/18/2014		9/18/2014		9/18/2014		9/18/2014		9/19/2014		9/19/2014		9/19/2014	
Parameter ID	Restricted Commercial Soil Cleanup Objective (ppm)	Class A Freshwater Sediment Guideline Value (ppm)[a,c]	Class B Freshwater Sediment Guideline Value (ppm)[a]	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
% solids				67.1		13.1		27.5		33		38.1		45.2		36	
Cyanide, Total [h]	27	NL	NL	10.6	J	17.3	J	18.8	J	16.5	J	1.07	UJ	0.965		1.83	
Cyanide, WAD	NL	NL	NL	0.38	J	4.84	J	2.59	J	1.14	J	0.889	J	0.984	J	1.16	J
Cyanide, Available																	
Cyanide, Amenable	NL	NL	NL	1.49	UJ	7.63	UJ	3.64	UJ	3.03	UJ	2.62	U	2.21	U	2.78	U
Cyanide, Free	NL	NL	NL	NS		ND		NS		NS		NS		NS		NS	
Cyanide, PAC	NL	NL	NL	3.4	J	8.08	J	9.2	J	4.33	J	2.48	UJ	1	J	1.55	J
Aluminum	NL	NL	NL	2110	J	5560	J	5880	J	8050	J	1090	J	730		742	
Antimony	NL	NL	NL	ND		ND		ND		ND		ND		ND		ND	
Arsenic	16[f]	10	33	5.43	J	8.43	J	7.05	J	7.46	J	3.97		4.17		1.59	J
Barium	400	NL	NL	334	J	179	J	118	J	121	J	121		190		101	
Beryllium	590	NL	NL	0.147	J	ND		ND		0.25	J	ND		ND		ND	
Cadmium	9	1	5	0.554	J	ND		ND		0.313	J	ND		ND		ND	
Calcium	NL	NL	NL	244000	JD	424000	JD	246000	JD	214000	JD	372000	D	321,000	D	228,000	D
Chromium	1500 [b]	43	110	84	J	9.48	J	8.09	J	11.5	J	2.26		1.31	J	1.33	J
Cobalt	NL	NL	NL	1.63	J	3.52	J	2.54	J	3.41	J	0.287		0.285	J	0.247	J
Copper	270	32	150	21	J	11.9	J	12.5	J	17.2	J	4.2		2.02		2.33	J
Iron	NL	NL	NL	40700	JD	5820	J	8830	J	14200	J	2590		8650		1020	
Lead	1,000	36	130	33.5	J	20.4	J	22.4	J	31.9	J	5.8		3.82		1.81	J
Magnesium	NL	NL	NL	3920	J	32500	J	10400	J	8940	J	2500		10300	D	3390	
Manganese	10,000 [d]	NL	NL	3400	J	1300	J	467	J	553	J	124		668		59.8	
Mercury	2.8	0.2	1	NS		NS		NS		NS	J	NS		NS		NS	
Nickel	310	23	49	7.19	J	9.97	J	7.97	J	10.9	J	1.9		1.3	J	1.41	J
Potassium	NL	NL	NL	394	J	1880	J	1400	J	1910	J	351	J	279		252	
Selenium	1,500	NL	NL	1.94	J	ND		ND		ND		ND		ND		ND	
Silver	1,500	NL	NL	ND		ND		ND		ND		ND		ND		ND	
Sodium	NL	NL	NL	207	J	595	J	350	J	351	J	306	J	374		227	
Thallium	NL	NL	NL	ND		ND		ND		ND		ND		ND		ND	
Vanadium	NL	NL	NL	24.8	J	11.7	J	12.9	J	16.9	J	3.27		1.68	J	1.6	J
Zinc	10,000	120	460	150	J	67.8	J	68	J	94.5	J	21.8		13.9		8.39	
2-Methylnaphthalene	NL	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Acenaphthene	500[b]	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Acenaphthylene	500[b]	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Anthracene	500[b]	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Benzo(a)anthracene	5.6	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Benzo(a)pyrene	1[f]	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Benzo(b)fluoranthene	5.6	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Benzo(g,h,i)perylene	500[b]	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Benzo(k)fluoranthene	56	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Carbazole	NL	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Chrysene	56	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Dibenzofuran	350	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Fluoranthene	500[b]	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Fluorene	500[b]	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Indeno(1,2,3-cd)pyrene	5.6	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Naphthalene	500[b]	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Phenanthrene	500[b]	NL	NL	NS		NS		NS		NS		NS		NS		NS	
Pyrene	500[b]	NL	NL	NS		NS		NS		NS		NS		NS		NS	

Notes:

a Values from NYSDEC Division of Fish, Wildlife and Marine Resources *Screening and Assessment of Contaminated Sediment,* January 2013

[b] The SCO shown is for trivalent chromium. The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO

[c] The Class A and Class B sediment guidance values for total PAHs are 4 and 3 ppm, respectively

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

Key:

GS1 - Sample dilution required for high concentration of target analytes to be within the instrument calibration range

D - Data reported from a dilution

J - Detected above the method detection limit, but below the reporting limit; value is estimated

U - Analyte not detected at or above the method detection limit

NL - Not listed

ND - Not detected

Z-2a - Data did not match the total analysis so was reanalyzed outside of hold time to confirm; result from reanalysis reported

NS - Not Sampled

B - Detected in associated lab blank

Table 3-21
Buffalo Lakeside Commerce Park
Sediment Sample Results - September 2014

Sample ID				BASIN-1-SED-20141114		BASIN-2-SED-20141114		BASIN-3-SED-20141114		SE-CB15-1114-20141117		SE-CB01-1114-20141111		SED-CB21-1214-20141210		SED-CB22-1214-20141210		SED-CB23-1214-20141210		SED-CB24-1214-20141210	
Location ID				BASIN 1		BASIN 2		BASIN 3		CB-04		CB-05		CB-17		CB-18		CB-19		CB-15	
Sample Date				11/14/2014		11/14/2014		11/14/2014		11/17/2014		11/11/2014		12/10/2014		12/10/2014		12/10/2014		12/10/2014	
Parameter ID	Restricted Commercial Soil Cleanup Objective (ppm)	Class A Freshwater Sediment Guideline Value (ppm)[a,c]	Class B Freshwater Sediment Guideline Value (ppm)[a]	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag	Concentration (mg/kg)	Qualifier Flag
% solids																					
Cyanide, Total [h]	27	NL	NL	1.5	J	19.6		14.8		5.2		1.1	J	ND		1.8	J	ND		ND	
Cyanide, WAD	NL	NL	NL	NS		NS		NS		NS		NS		NS		NS		NS		NS	
Cyanide, Available										ND	U										
Cyanide, Amenable	NL	NL	NL	0.19		ND		0.12		ND		ND		0.41	R	ND		ND		ND	
Cyanide, Free	NL	NL	NL	0.96	BJ	8.9	BJ	1.5	BJ	0.64	J	ND		1	J	0.53	J	0.3	J	0.83	J
Cyanide, PAC	NL	NL	NL	NS		NS		NS		NS		NS		NS		NS		NS		ND	
Aluminum	NL	NL	NL	9300		5000		8590		4500	B	3070		13200	J	650		7690		24200	
Antimony	NL	NL	NL	2.9	J			2.1	J	1.9	J	0.74	J	2.9	J	ND		1.2	J	2.1	J
Arsenic	16[f]	10	33	13		14.8	J	11.2		8.1		2.7		7.8		2.4	J	4.9		8.7	
Barium	400	NL	NL	269		138		147		89.3		21.8		116	J	98.9		103		184	
Beryllium	590	NL	NL	0.63		0.3	J	0.53	J	0.94		0.18	J	1.2		0.97		0.95		3.5	
Cadmium	9	1	5	0.74		0.35	J	0.79		0.47		0.28		1		0.21	J	0.35	J	0.7	
Calcium	NL	NL	NL	263000	B	298000	B	230000	B	148000	B	39600	B	51300	B	278000	B	141000	B	116000	B
Chromium	1500 [b]	43	110	17.7		6.7		12.6		9.2		4.5		24.2		5.4		11		12.4	
Cobalt	NL	NL	NL	7.2		3.7		5.7		3.6		2.6		9		2.3		5.2		5.9	
Copper	270	32	150	28.9		16.7	B	26.6	B	14.5		10.3		49.6		11		17.6		39.2	
Iron	NL	NL	NL	43600	B	5300	B	25500	B	35300	B	8080	B	27800	B	9030	B	16500	B	29800	B
Lead	1,000	36	130	69.3		17.9		52.9		46		11.2		170		30.5		36.1		74.3	
Magnesium	NL	NL	NL	5540		40600		22400		5590	B	9900		9100		8350		18500		8320	
Manganese	10,000 [d]	NL	NL	1090	B	1210	B	1440	B	1030	B	168		966	B	359	B	523	B	1290	B
Mercury	2.8	0.2	1	0.034	J	ND		0.079		0.021	J	0.021	J	0.16		0.028	J	0.022	J	0.08	
Nickel	310	23	49	18.6		12.4	J	14.1		8	B	6.4		27.1	J	6.7	J	13.6		14.3	
Potassium	NL	NL	NL	1790		1470		1710		488	B	380		2130		704		1450		1480	
Selenium	1,500	NL	NL	ND		ND		ND		ND		ND		ND		1.9	J	1.4	J	0.99	J
Silver	1,500	NL	NL	ND		ND		ND		ND		ND		ND		ND		ND	U	ND	
Sodium	NL	NL	NL	397		576	J	ND		153	BJ	51.8	J	342		185	J	248	J	402	
Thallium	NL	NL	NL	2		ND		ND		ND		ND		ND		ND		ND	U	ND	
Vanadium	NL	NL	NL	22.9		11		19.9		8.2		6.3		24.6		6.9		12.9		13.4	
Zinc	10,000	120	460	197	B	72.2	B	192	B	152	B	47.5	B	280	B	71.2	B	100	B	171	B
2-Methylnaphthalene	NL	NL	NL	ND		ND		ND		ND		ND		ND		ND		0.24	J	ND	
Acenaphthene	500[b]	NL	NL	ND		ND		ND		ND		ND		ND		ND		0.058	J	ND	
Acenaphthylene	500[b]	NL	NL	ND		ND		ND		ND		ND		ND		ND		0.092	J	ND	
Anthracene	500[b]	NL	NL	ND		ND		ND		ND		ND		ND		ND		0.13	J	ND	
Benzo(a)anthracene	5.6	NL	NL	0.21	J	ND		0.25	J	0.18	J	ND		1.6	J	0.45	J	0.95		1.2	J
Benzo(a)pyrene	1[f]	NL	NL	1	J	ND		1.2	J	0.6	J	ND		1.6	J	ND		0.53		1.1	J
Benzo(b)fluoranthene	5.6	NL	NL	1.5	J	ND		1.8	J	0.86	J	ND		2.7	J	ND		1.1		2	J
Benzo(g,h,i)perylene	500[b]	NL	NL	ND		ND		ND		0.11	J	ND		ND		ND		0.22	J	ND	
Benzo(k)fluoranthene	56	NL	NL	ND		ND		ND		ND		ND		1.2	J	ND		0.47		0.88	J
Carbazole	NL	NL	NL	ND		ND		ND		ND		ND		ND		ND		0.049	J	ND	
Chrysene	56	NL	NL	ND		ND		ND		ND		ND		2	J	ND		1.2		1.6	J
Dibenzofuran	350	NL	NL	ND		ND		ND		ND		ND		ND		ND		0.096	J	ND	
Fluoranthene	500[b]	NL	NL	0.37	J	ND		0.36	J	0.31	J	ND		2.5	J	ND		1.4		2	J
Fluorene	500[b]	NL	NL	ND		ND		ND		ND		ND		ND		ND		0.057	J	ND	
Indeno(1,2,3-cd)pyrene	5.6	NL	NL	1.7	J	ND		2.1	J	0.94	J	ND		ND		ND		0.2	J	ND	
Naphthalene	500[b]	NL	NL	ND		ND		ND		ND		ND		ND		ND		0.21	J	ND	
Phenanthrene	500[b]	NL	NL	ND		ND		ND		ND		ND		1	J	ND		0.51		1.5	J
Pyrene	500[b]	NL	NL	0.29	J	ND		ND		0.22	J	ND		1.9	J	ND		1.2		1.8	J

Notes:

a Values from NYSDEC Division of Fish, Wildlife and Marine Resources *Screening and Assessment of Contaminated Sediment,* January 2013

[b] The SCO shown is for trivalent chromium. The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO

[c] The Class A and Class B sediment guidance values for total PAHs are 4 and 3 ppm, respectively

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

Key:

GS1 - Sample dilution required for high concentration of target analytes to be within the instrument calibration range

D - Data reported from a dilution

J - Detected above the method detection limit, but below the reporting limit; value is estimated

U - Analyte not detected at or above the method detection limit

NL - Not listed

ND - Not detected

Z-2a - Data did not match the total analysis so was reanalyzed outside of hold time to confirm; result from reanalysis reported

NS - Not Sampled

B - Detected in associated lab blank

Table 3-22
Buffalo Lakeside Commerce Park
Sediment Sample Results - November and December 2014

OUTFALL_SED-20141114 OUTFALL 11/14/2014	
Concentration (mg/kg)	**Qualifier Flag**
4.3	
NS	
ND	
3	BJ
NS	
1320	
ND	
4.9	J
229	
ND	
ND	
469,000	B
2.9	
0.79	J
6.7	B
3220	B
5.8	
5140	
175	B
ND	
3.7	J
431	
ND	
ND	
362	J
ND	
3.3	
32.4	B
ND	
ND	
ND	
ND	
ND	
ND	
ND	
ND	
ND	
ND	
ND	
ND	
ND	
ND	
ND	
ND	
ND	

Table 3-22
Buffalo Lakeside Commerce Park
Sediment Sample Results - November and December 2014

	Sample ID	SB-15 0-4 TCLP		TCLP-1	
	Sample Location	SB-15			
	Sampling Date	9/18/2012		9/18/2012	
	Sample Depth	0-4 ft.			
Parameter ID	NYSDEC Part 371.2 Table 1. Maximum Concentration for TCLP Procedure	Concentration	Qualifier Flag	Concentration	Qualifier Flag
Inorganic Analytes (mg/l)					
Aluminum	NL				
Antimony	NL				
Arsenic	5		U		U
Barium	100	0.326		0.294	
Beryllium	.5				
Cadmium	1	0.0428		0.0513	
Calcium	NL				
Chromium	5	0.0078	B	0.0169	B
Cobalt	NL				
Copper	NL				
Iron	NL				
Lead	5	0.441		0.215	
Magnesium	NL				
Manganese	NL				
Nickel	NL				
Potassium	NL				
Selenium	1.0	0.0227	B	0.0138	B
Silver	5.0		U		U
Sodium	NL				
Thallium	NL				
Vanadium	NL				
Zinc	NL				
Mercury	0.2	0.000044	B	0.000052	B

Key:

U = Nondetect

B = Compound was detected in the Method Blank

Sample ID	SS-01_01/21/2013		SS-02_01/21/2013		SS-03_01/21/2013		SS-04_01/21/2013		SS-05_01/21/2013		SS-06_01/21/2013		SS-07_01/21/2013		SS-08_01/21/2013		FD-01_01/21/2013	
Sample Location	SS-1_01212013		SS-2_01212013		SS-3_01212013		SS-4_01212013		SS-5_01212013		SS-6_01212013		SS-7_01212013		SS-8_01212013		SS-8	
Sampling Date	1/21/2013		1/21/2013		1/21/2013		1/21/2013		1/21/2013		1/21/2013		1/21/2013		1/21/2013		1/21/2013	
Sample Depth	0-6 in.		0-6 in.		0-6 in.		0-6 in.		0-6 in.		0-6 in.		0-6 in.		0-6 in.		0-6 in.	
Parameter ID	NYSDEC Part 371.2 Table 1. Maximum Concentration for TCLP Procedure	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag	Concentration	Qualifier Flag
Inorganic Analytes (mg/l)																		
Aluminum	NL																	
Antimony	NL																	
Arsenic	5		U		U		U		U		U		U		U		U	
Barium	100	0.331		0.302		0.391		0.271		0.829		0.579		0.48		0.517		0.583	
Beryllium	.5																		
Cadmium	1	0.0254		0.0568		0.0276		0.01		0.011		0.0164		0.0276		0.0128		0.0115	
Calcium	NL																		
Chromium	5		U		U	0.0017	B	0.0008	B	0.0011	B		U	0.001	B		U		U
Cobalt	NL																		
Copper	NL																		
Iron	NL																		
Lead	5	0.0807		0.25		0.129		0.035		0.0578		0.0983		0.114		0.0288		0.0267	
Magnesium	NL																		
Manganese	NL																		
Nickel	NL																		
Potassium	NL																		
Selenium	1.0		U		U		U		U		U		U		U		U		U
Silver	5.0		U		U		U		U		U		U		U	0.0074	B		U
Sodium	NL																		
Thallium	NL																		
Vanadium	NL																		
Zinc	NL																		
Mercury	0.2	0.000099	B	0.000064	B		U	0.000047	B	0.00004	B	0.000059	B	0.000029	B	0.000056	B		U

Key:
U = Nondetect
B = Compound was detected in the Method Blank

Table 3-2
Buffalo Lakeside Commerce Park
Summary of TCLP Sampling Results - REVISED

Figures

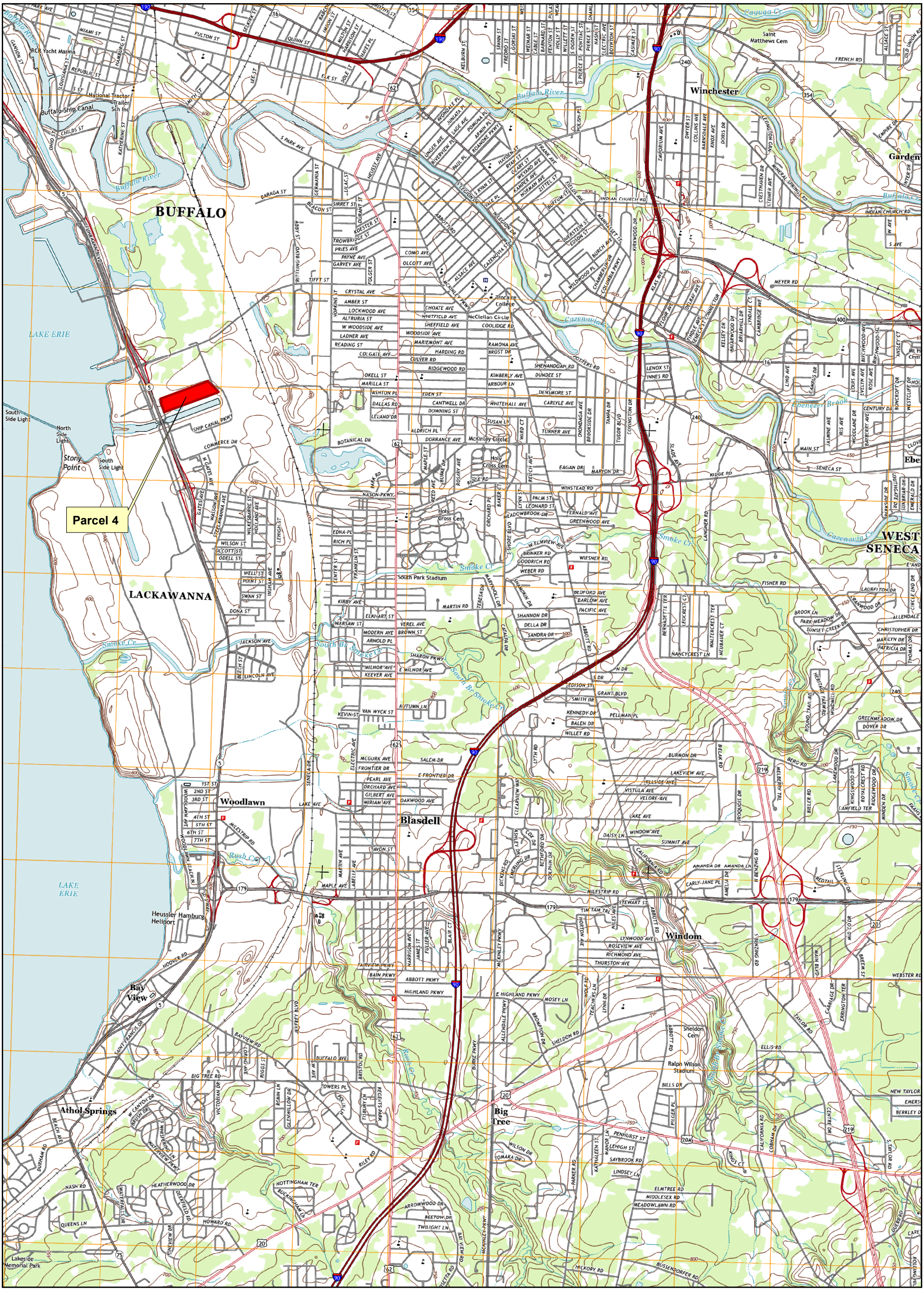


Figure 1-1
Site Vicinity Map
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY

CDM Smith



CDM Smith

0 250 500 1,000 1,500 2,000 Feet

Figure 1-2
Site Location
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY

N
W
E
S

SB-07
SB-06
SB-08
TP-18A
TP-18B
TP-12A
TP-12B
SB-25
SB-09
SB-18
SB-17
SB-05
SB-10
TP-5B
TP-5A
TP-6A
TP-6B
TP-11A
TP-11B
TP-17A
TP-17B
SB-24
SB-19
SB-04
SB-16
TP-16B
TP-16A
TP-7A
TP-7B
SB-20
TP-4A
TP-4B
SB-11
TP-3A
TP-3B
TP-10A
TP-10B
TP-15B
TP-15A
SB-21
TP-1A
TP-1B
SB-14
SB-12
TP-14B
TP-14A
SB-15
SB-22
TP-9A
TP-9B
SB-23
TP-2A
TP-2B
TP-8A
TP-8B
TP-13A
SB-01
SS-02
SB-02
SS-01
TP-13B
SB-13
SB-03

Legend

- Subsurface Soil
- Surface Soil
- Test Pit
- Site Boundary
- Secured Lot 9

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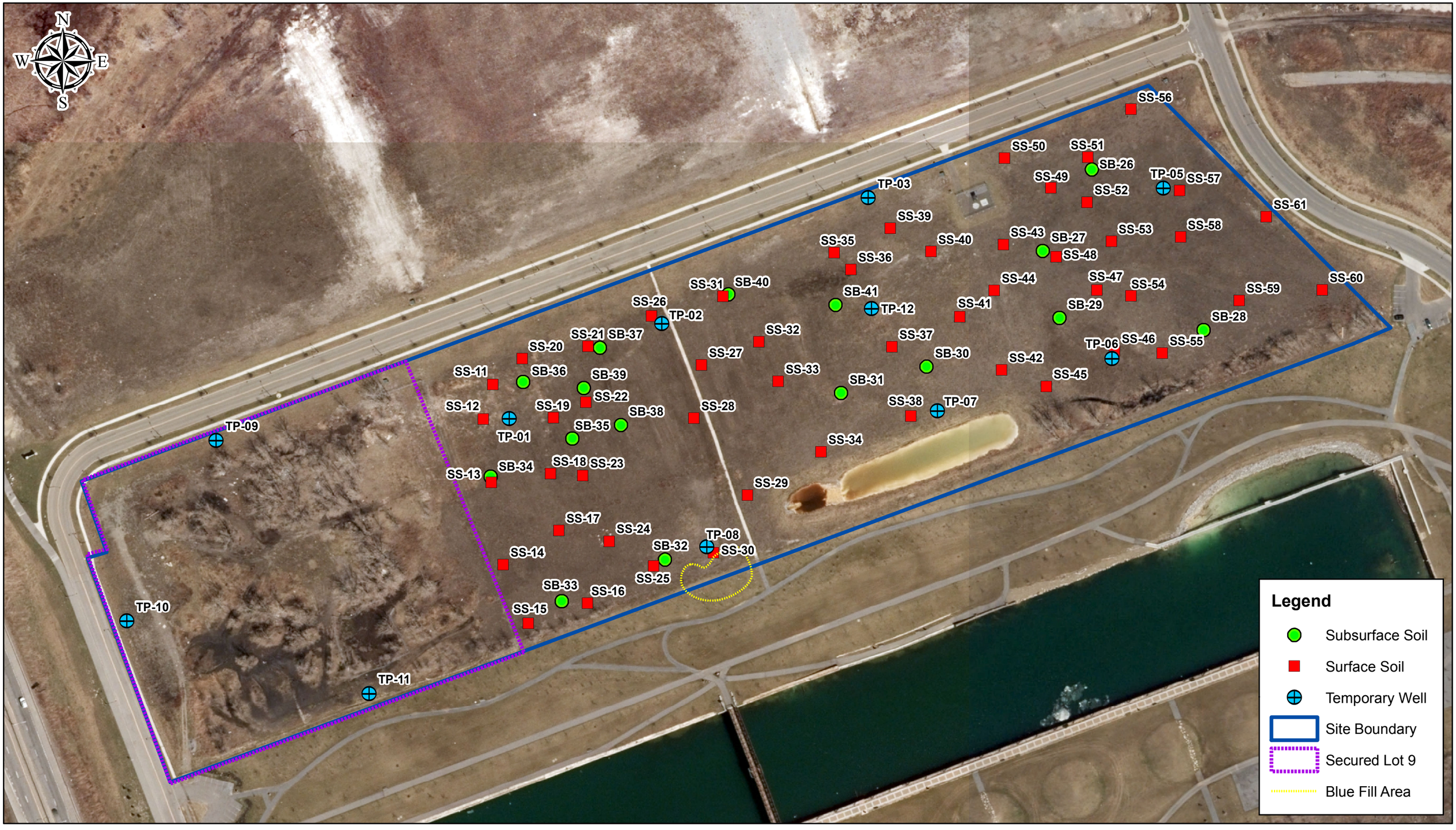
0 25 50 100 150 200 Feet

Figure 1-3
September 2012 Sample Locations
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



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Figure 1-4
January 2013 Sample Locations
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



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Figure 1-5
July 2014 Sample Locations
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



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Figure 1-6
August 2014 Sample Locations
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



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0 50 100 200 300 400 Feet

Figure 1-7
September 2014 Sample Locations
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY

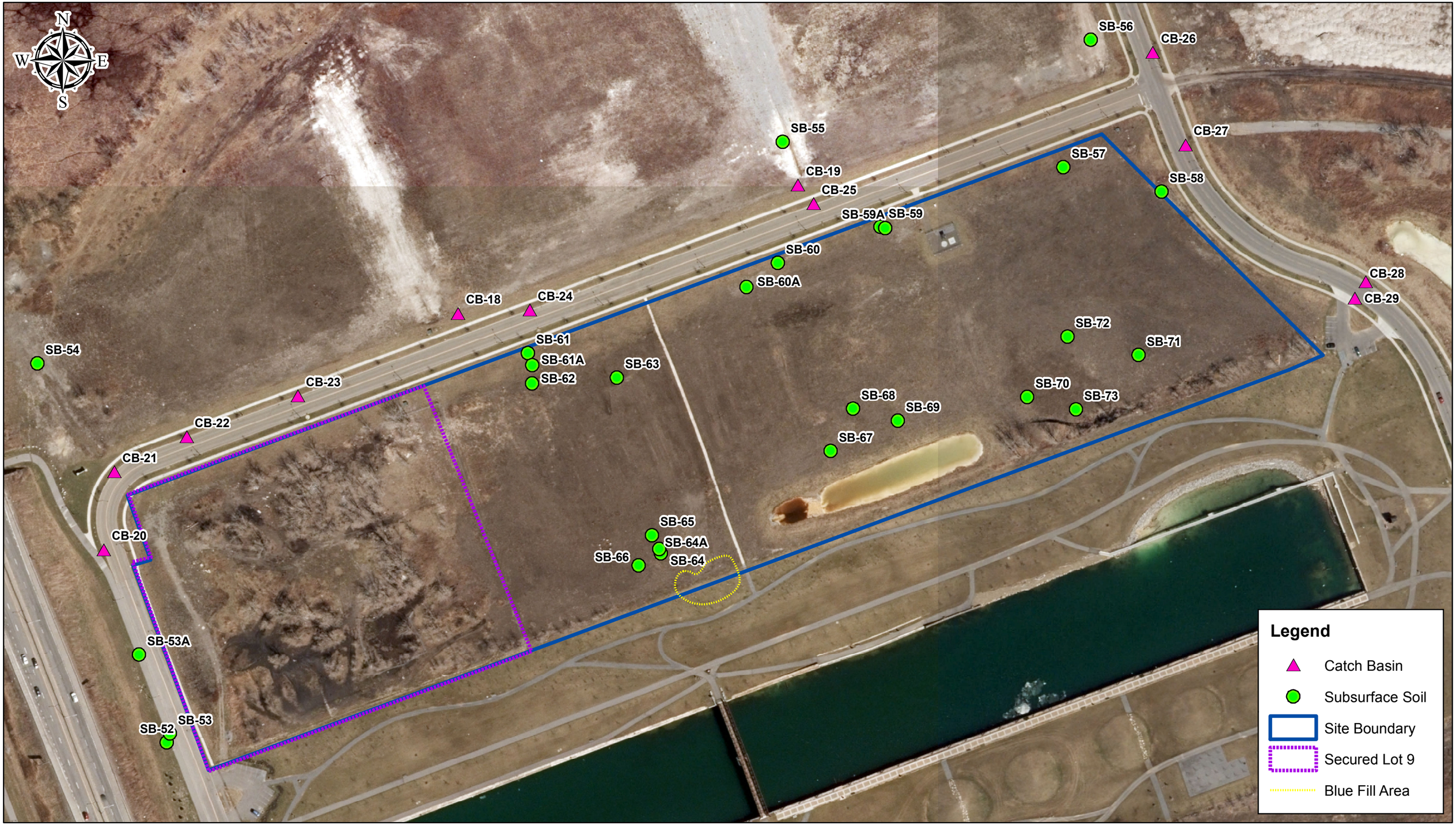


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Notes:
1. The location for SS-69 is approximated.

0 50 100 200 300 400 Feet

Figure 1-8
November and December 2014 Sample Locations
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



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0 50 100 200 300 400 Feet

Figure 1-9
May 2015 Sample Locations
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



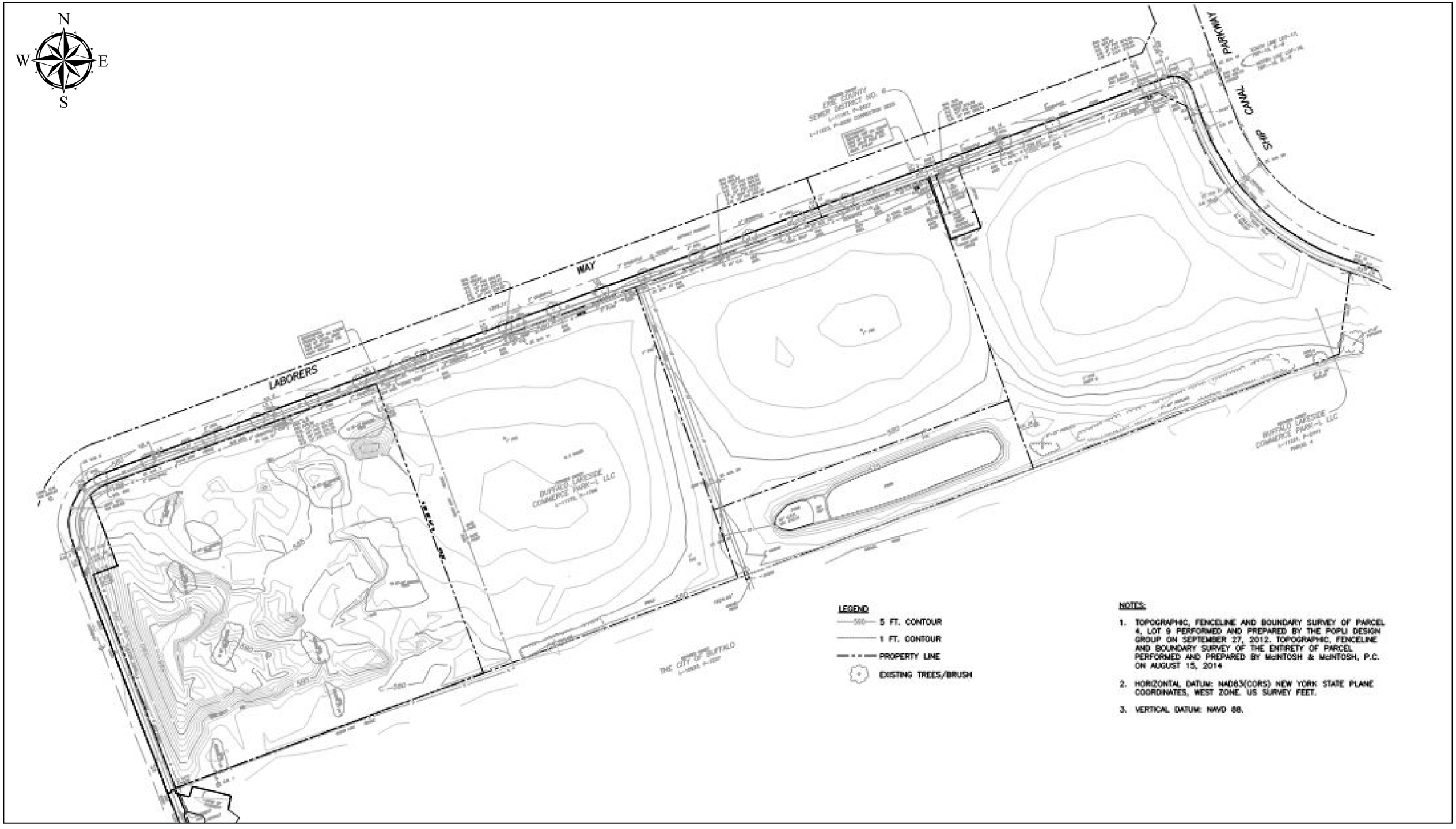
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Figure 1-10
August 2015 Sample Locations
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



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Figure 1-11
October 2015 Sample Locations
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



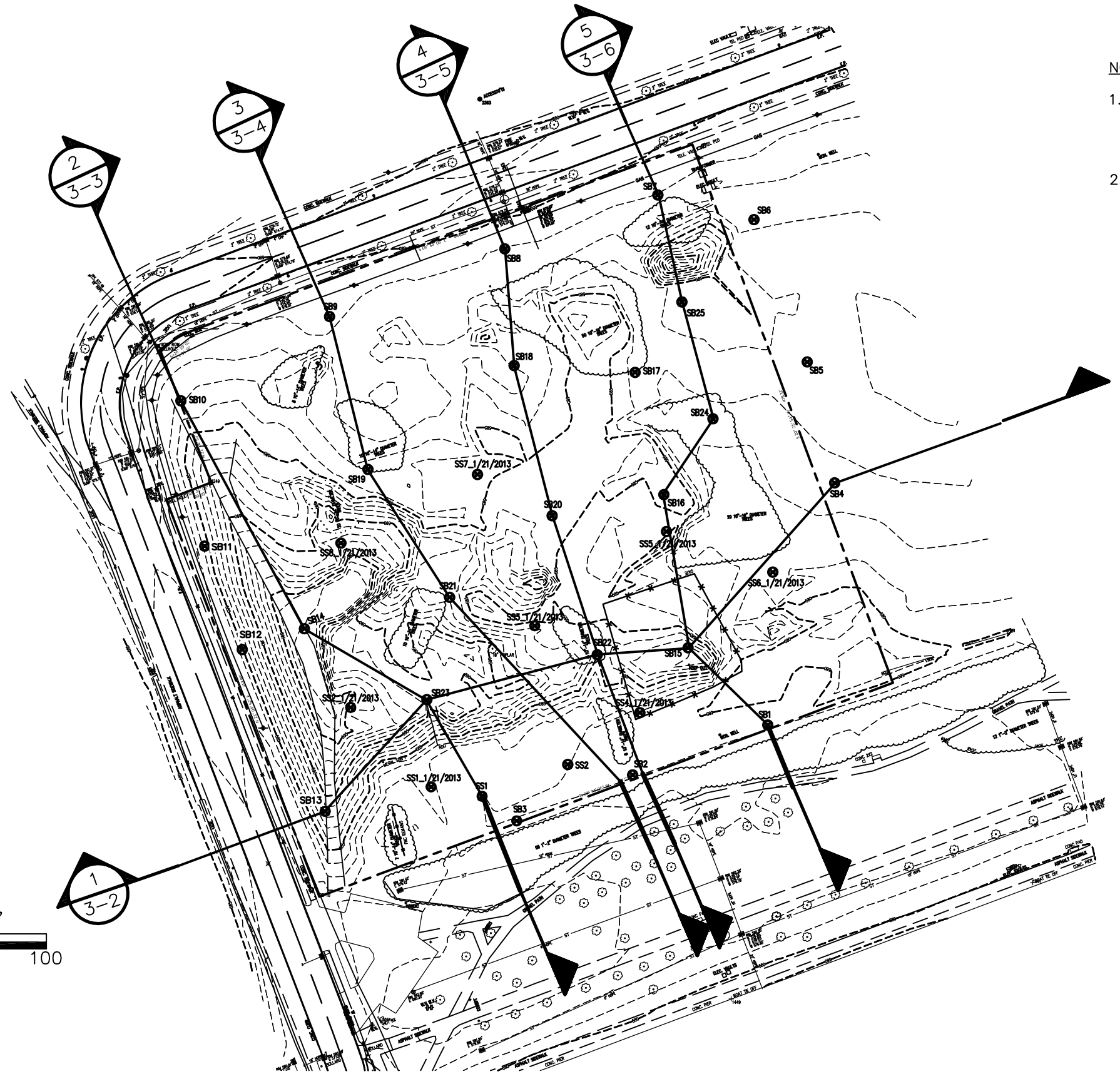
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1 inch = 137 feet

0 137 274 548 Feet

Figure 1-12
Existing Topography
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY

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NOTES:

1. CROSS-SECTIONS SHOWN ON FIGURES 3-1B THROUGH 3-1F PRESENT THE OBSERVED STRATIGRAPHY OF THE SOIL BORINGS INSTALLED AS SHOWN ON THIS PLAN. A LEGEND DENOTING SOIL TYPES IS PROVIDED AT THE BOTTOM OF EACH FIGURE.
2. THE ANALYTICAL CONCENTRATIONS SHOW IN FIGURES 3-1B THROUGH 3-1F DISPLAY ONLY CADMIUM, CHROMIUM, NICKEL, AND LEAD CONCENTRATIONS THAT EXCEED THEIR INDIVIDUAL PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (SCO). THERE ARE OTHER METALS WHOSE ANALYTICAL RESULTS ALSO EXCEED THE PART 375 UNRESTRICTED USE SCOs NOT SHOWN IN FIGURES 3-1B THROUGH 3-1F. PLEASE REFER TO TABLE 3-1 FOR A FULL SUMMARY OF ANALYTICAL RESULTS AND EXCEEDANCES.

LEGEND

- 5 FT. CONTOUR
- 1 FT. CONTOUR
- FENCELINE
- PROPERTY LINE
- SB6 SOIL BORING LOCATION

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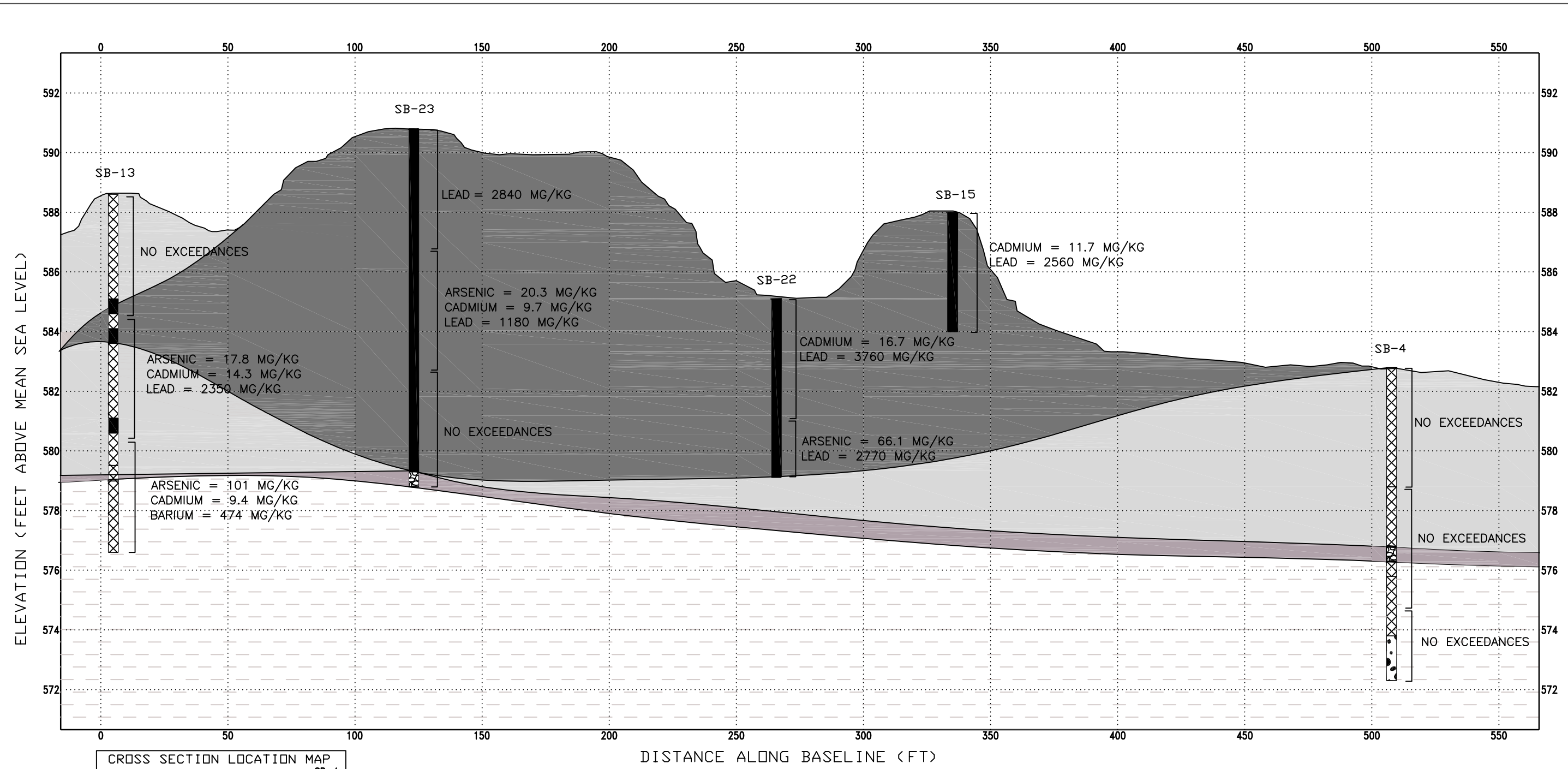
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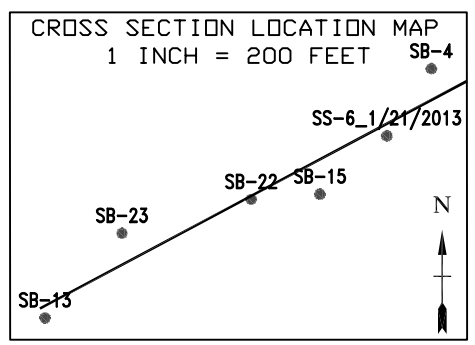
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Figure 3-1A
Buffalo Lakeside Commerce Park, Buffalo, NY
Cross-Section Plan

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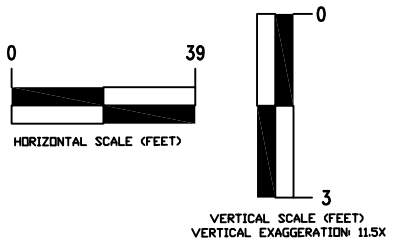
- FILL MATERIAL
- FLY ASH
- USCS POORLY GRADED GRAVEL
- ROCK SLAG

INTERPRETED LITHOGRAPHY LEGEND:

- FILL MATERIAL
- FLY ASH
- ROCK SLAG
- MATERIAL BELOW ROCK SLAG

NOTES:

1. ALL RESULTS IN MG/KG.
2. PLEASE NOTE THAT LITHOLOGOIC INTERPRETATIONS ARE BASED ON OBSERVATIONS IN THE FIELD.



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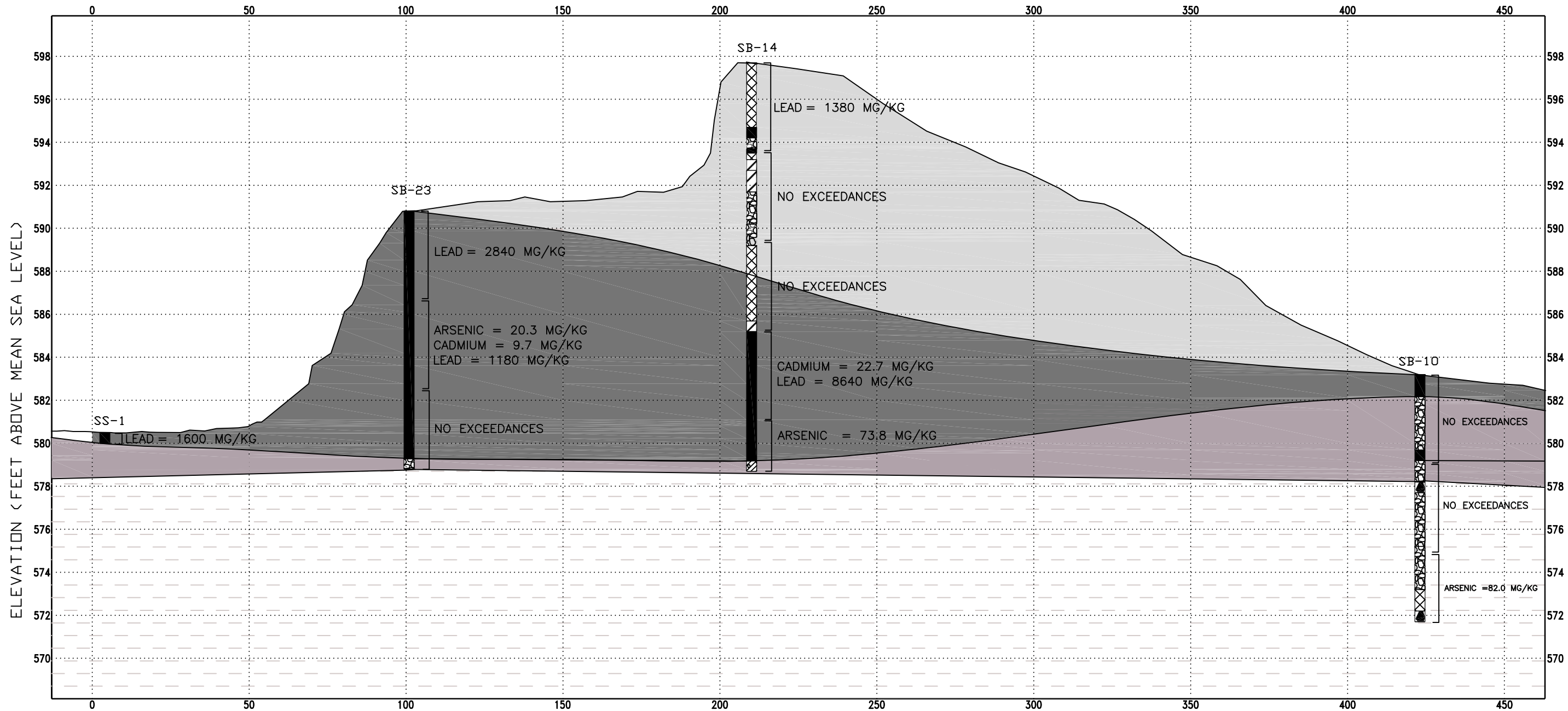
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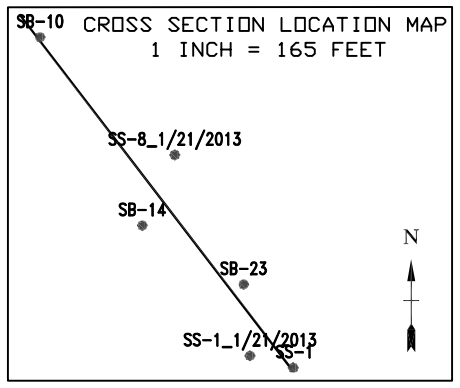
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Figure 3-1B
Buffalo Lakeside Commerce Park, Buffalo, NY
Cross-Section 1

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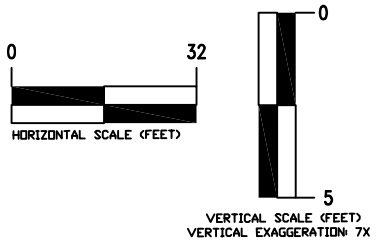
- FILL MATERIAL
- USCS POORLY GRADED GRAVEL
- COAL
- USCS LOW PLASTICITY GRAVELLY CLAY
- FLY ASH
- ROCK SLAG
- USCS HIGH PLASTICITY CLAY

INTERPRETED LITHOGRAPHY LEGEND:

- FILL MATERIAL
- ROCK SLAG
- FLY ASH
- MATERIAL BELOW ROCK SLAG

NOTES:

1. ALL RESULTS IN MG/KG.
2. PLEASE NOTE THAT LITHOLOGOIC INTERPRETATIONS ARE BASED ON OBSERVATIONS IN THE FIELD.



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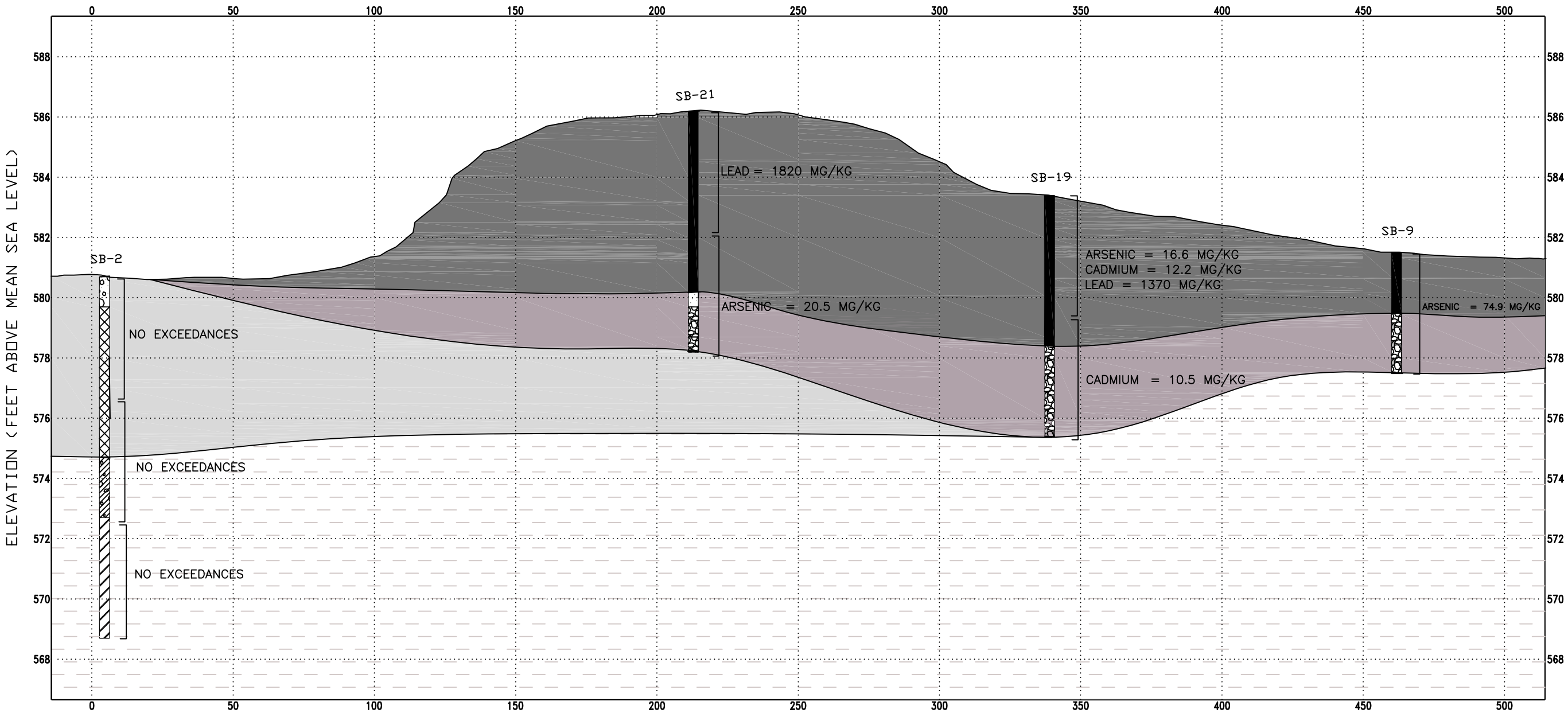
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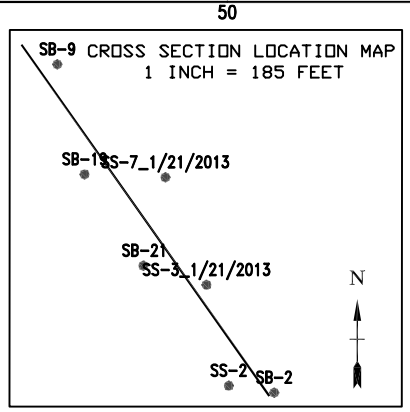
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Figure 3-1C
Buffalo Lakeside Commerce Park, Buffalo, NY
Cross-Section 2

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BOREHOLE LITHOGRAPHY LEGEND:

- FILL MATERIAL
- USCS POORLY GRADED GRAVEL
- FLY ASH
- USCS LOW PLASTICITY GRAVELLY CLAY
- USCS WELL GRADED SAND
- ROCK SLAG
- USCS HIGH PLASTICITY CLAY
- USCS POORLY GRADED SANDY GRAVEL

INTERPRETED LITHOGRAPHY LEGEND:

- FILL MATERIAL
- FLY ASH
- ROCK SLAG
- MATERIAL BELOW ROCK SLAG

NOTES:

1. ALL RESULTS IN MG/KG.
2. PLEASE NOTE THAT LITHOLOGOIC INTERPRETATIONS ARE BASED ON OBSERVATIONS IN THE FIELD.

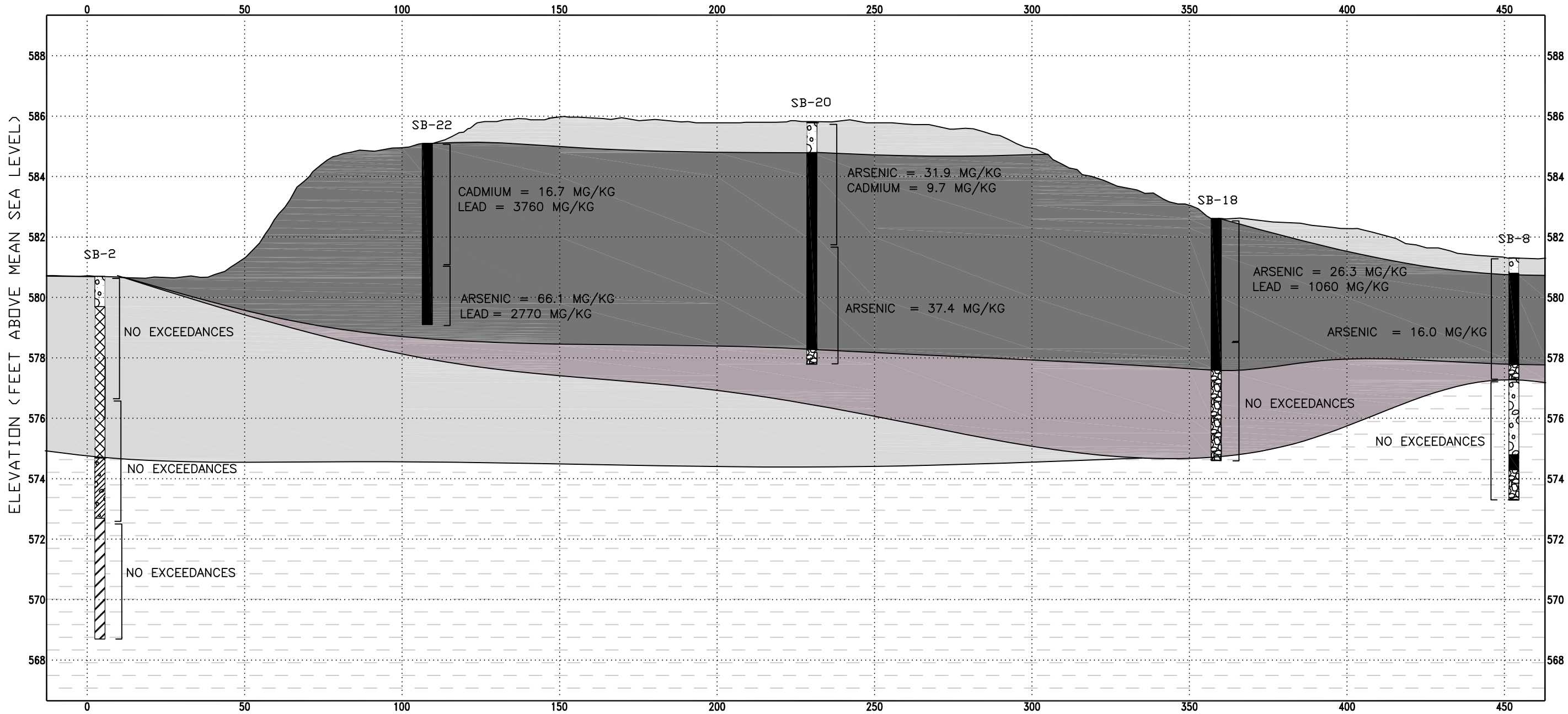
HORIZONTAL SCALE (FEET): 0, 36

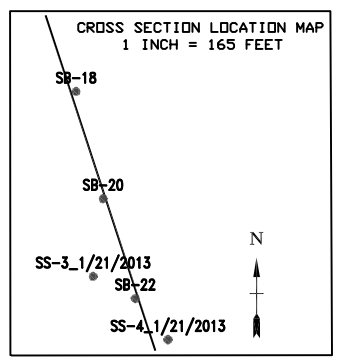
VERTICAL SCALE (FEET): 0, 3
VERTICAL EXAGGERATION: 10.5X

Prepared By:	Prepared for:	Figure 3-1D Buffalo Lakeside Commerce Park, Buffalo, NY Cross-Section 3
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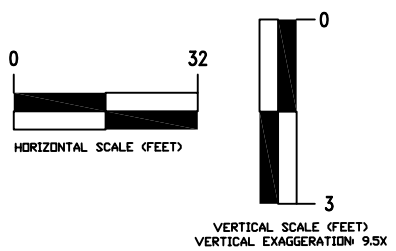
- FILL MATERIAL
- USCS POORLY GRADED GRAVEL
- FLY ASH
- USCS LOW PLASTICITY GRAVELLY CLAY
- USCS POORLY GRADED SANDY GRAVEL
- ROCK SLAG
- USCS HIGH PLASTICITY CLAY

INTERPRETED LITHOGRAPHY LEGEND:

- FILL MATERIAL
- FLY ASH
- ROCK SLAG
- MATERIAL BELOW ROCK SLAG

NOTES:

1. ALL RESULTS IN MG/KG.
2. PLEASE NOTE THAT LITHOLOGOIC INTERPRETATIONS ARE BASED ON OBSERVATIONS IN THE FIELD.



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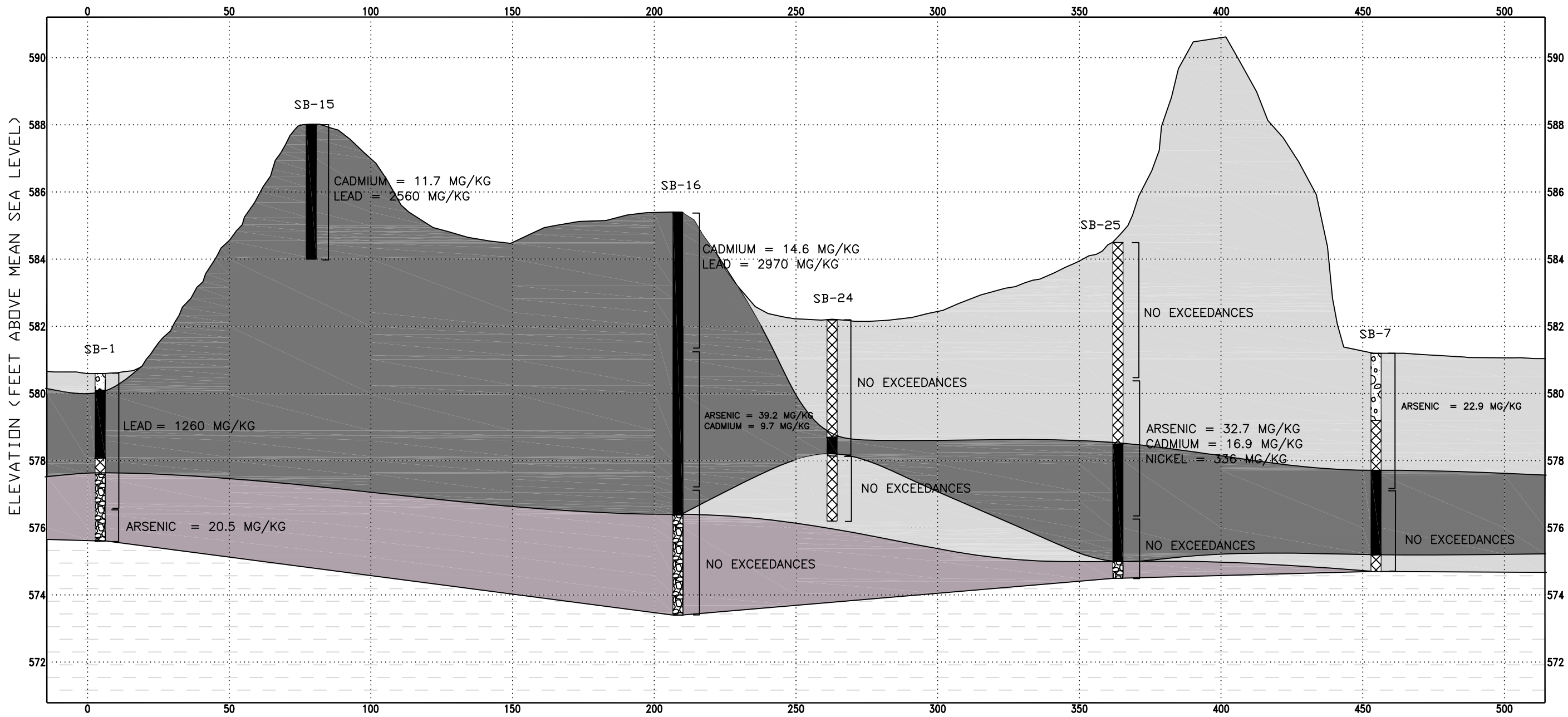
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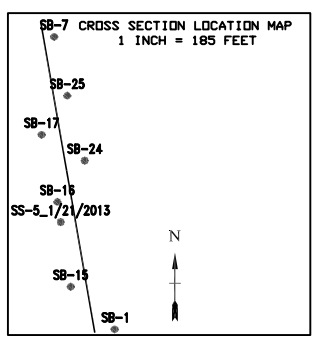
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Figure 3-1E
Buffalo Lakeside Commerce Park, Buffalo, NY
Cross-Section 4

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BOREHOLE LITHOGRAPHY LEGEND:

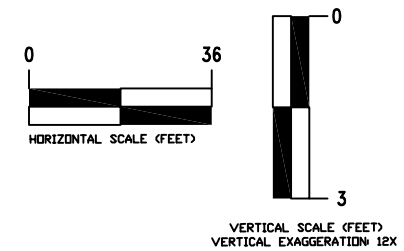
- FILL MATERIAL
- FLY ASH
- USCS LOW PLASTICITY GRAVELLY CLAY
- USCS POORLY GRADED SANDY GRAVEL
- ROCK SLAG

INTERPRETED LITHOGRAPHY LEGEND:

- FILL MATERIAL
- ROCK SLAG
- FLY ASH
- MATERIAL BELOW ROCK SLAG

NOTES:

1. ALL RESULTS IN MG/KG.
2. PLEASE NOTE THAT LITHOLOGOIC INTERPRETATIONS ARE BASED ON OBSERVATIONS IN THE FIELD.



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Camp Dresser McKee & Smith

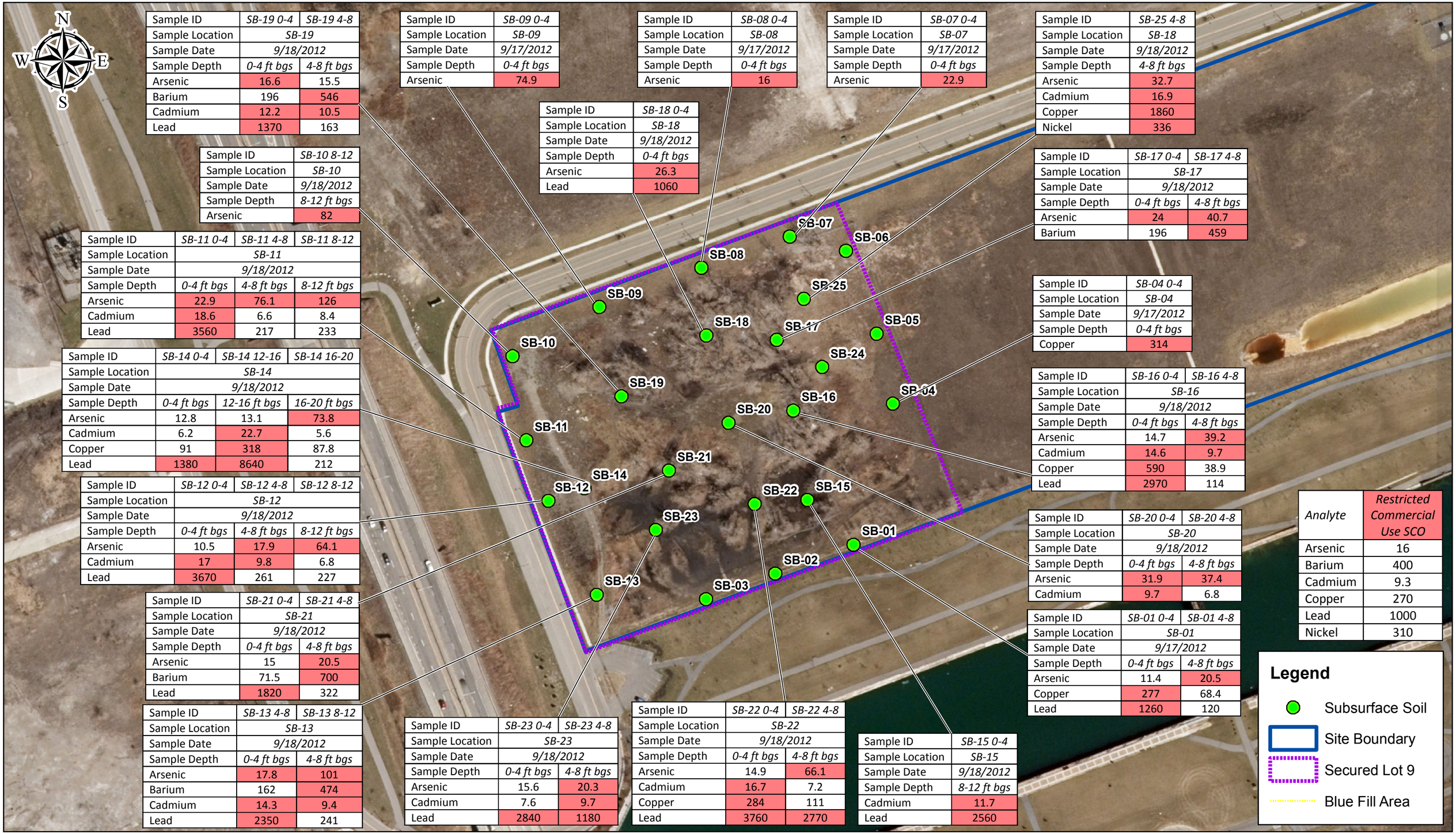
Prepared By:

CDM Smith
11 British American Blvd.
Latham, NY 12110

Prepared for:

New York State Department of Environmental Conservation
625 Broadway St.
Albany, NY 12233

Figure 3-1F
Buffalo Lakeside Commerce Park, Buffalo, NY
Cross-Section 5



Sample ID	SB-19 0-4	SB-19 4-8
Sample Location	SB-19	
Sample Date	9/18/2012	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Arsenic	16.6	15.5
Barium	196	546
Cadmium	12.2	10.5
Lead	1370	163

Sample ID	SB-09 0-4
Sample Location	SB-09
Sample Date	9/17/2012
Sample Depth	0-4 ft bgs
Arsenic	74.9

Sample ID	SB-08 0-4
Sample Location	SB-08
Sample Date	9/17/2012
Sample Depth	0-4 ft bgs
Arsenic	16

Sample ID	SB-07 0-4
Sample Location	SB-07
Sample Date	9/17/2012
Sample Depth	0-4 ft bgs
Arsenic	22.9

Sample ID	SB-25 4-8
Sample Location	SB-18
Sample Date	9/18/2012
Sample Depth	4-8 ft bgs
Arsenic	32.7
Cadmium	16.9
Copper	1860
Nickel	336

Sample ID	SB-18 0-4
Sample Location	SB-18
Sample Date	9/18/2012
Sample Depth	0-4 ft bgs
Arsenic	26.3
Lead	1060

Sample ID	SB-10 8-12
Sample Location	SB-10
Sample Date	9/18/2012
Sample Depth	8-12 ft bgs
Arsenic	82

Sample ID	SB-17 0-4	SB-17 4-8
Sample Location	SB-17	
Sample Date	9/18/2012	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Arsenic	24	40.7
Barium	196	459

Sample ID	SB-11 0-4	SB-11 4-8	SB-11 8-12
Sample Location	SB-11		
Sample Date	9/18/2012		
Sample Depth	0-4 ft bgs	4-8 ft bgs	8-12 ft bgs
Arsenic	22.9	76.1	126
Cadmium	18.6	6.6	8.4
Lead	3560	217	233

Sample ID	SB-04 0-4
Sample Location	SB-04
Sample Date	9/17/2012
Sample Depth	0-4 ft bgs
Copper	314

Sample ID	SB-14 0-4	SB-14 12-16	SB-14 16-20
Sample Location	SB-14		
Sample Date	9/18/2012		
Sample Depth	0-4 ft bgs	12-16 ft bgs	16-20 ft bgs
Arsenic	12.8	13.1	73.8
Cadmium	6.2	22.7	5.6
Copper	91	318	87.8
Lead	1380	8640	212

Sample ID	SB-16 0-4	SB-16 4-8
Sample Location	SB-16	
Sample Date	9/18/2012	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Arsenic	14.7	39.2
Cadmium	14.6	9.7
Copper	590	38.9
Lead	2970	114

Sample ID	SB-12 0-4	SB-12 4-8	SB-12 8-12
Sample Location	SB-12		
Sample Date	9/18/2012		
Sample Depth	0-4 ft bgs	4-8 ft bgs	8-12 ft bgs
Arsenic	10.5	17.9	64.1
Cadmium	17	9.8	6.8
Lead	3670	261	227

Sample ID	SB-20 0-4	SB-20 4-8
Sample Location	SB-20	
Sample Date	9/18/2012	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Arsenic	31.9	37.4
Cadmium	9.7	6.8

Sample ID	SB-21 0-4	SB-21 4-8
Sample Location	SB-21	
Sample Date	9/18/2012	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Arsenic	15	20.5
Barium	71.5	700
Lead	1820	322

Sample ID	SB-01 0-4	SB-01 4-8
Sample Location	SB-01	
Sample Date	9/17/2012	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Arsenic	11.4	20.5
Copper	277	68.4
Lead	1260	120

Sample ID	SB-13 4-8	SB-13 8-12
Sample Location	SB-13	
Sample Date	9/18/2012	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Arsenic	17.8	101
Barium	162	474
Cadmium	14.3	9.4
Lead	2350	241

Sample ID	SB-23 0-4	SB-23 4-8
Sample Location	SB-23	
Sample Date	9/18/2012	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Arsenic	15.6	20.3
Cadmium	7.6	9.7
Lead	2840	1180

Sample ID	SB-22 0-4	SB-22 4-8
Sample Location	SB-22	
Sample Date	9/18/2012	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Arsenic	14.9	66.1
Cadmium	16.7	7.2
Copper	284	111
Lead	3760	2770

Sample ID	SB-15 0-4
Sample Location	SB-15
Sample Date	9/18/2012
Sample Depth	8-12 ft bgs
Cadmium	11.7
Lead	2560

Analyte	Restricted Commercial Use SCO
Arsenic	16
Barium	400
Cadmium	9.3
Copper	270
Lead	1000
Nickel	310

Legend

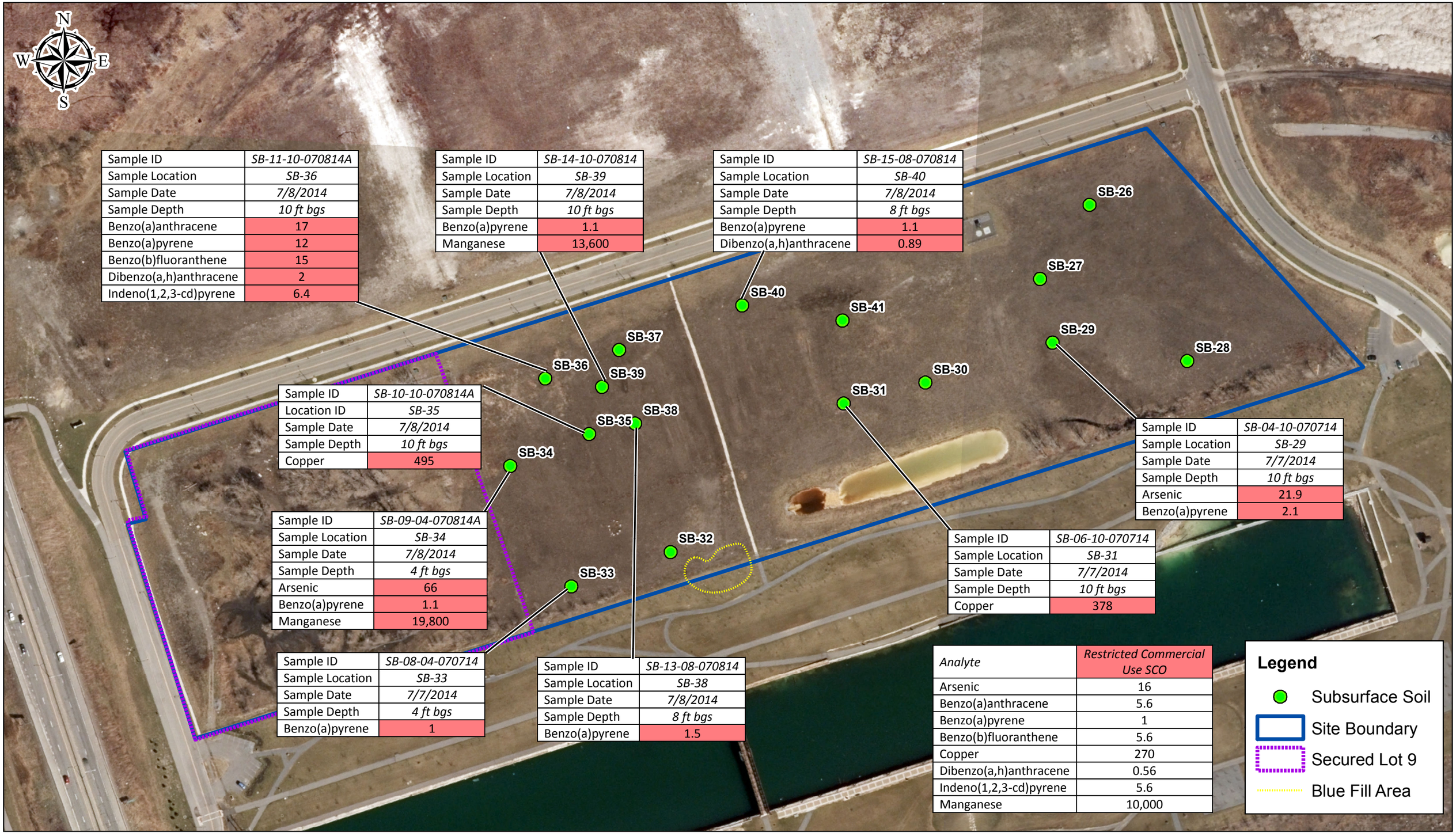
- Subsurface Soil
- Site Boundary
- Secured Lot 9
- Blue Fill Area

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Notes:
1. All values are in mg/kg, unless otherwise noted.

0 50 100 200 300 400 Feet

Figure 3-1G
Subsurface Soil Results - September 2012
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Sample ID	*SB-11-10-070814A*
Sample Location	*SB-36*
Sample Date	*7/8/2014*
Sample Depth	*10 ft bgs*
Benzo(a)anthracene	17
Benzo(a)pyrene	12
Benzo(b)fluoranthene	15
Dibenzo(a,h)anthracene	2
Indeno(1,2,3-cd)pyrene	6.4

Sample ID	*SB-14-10-070814*
Sample Location	*SB-39*
Sample Date	*7/8/2014*
Sample Depth	*10 ft bgs*
Benzo(a)pyrene	1.1
Manganese	13,600

Sample ID	*SB-15-08-070814*
Sample Location	*SB-40*
Sample Date	*7/8/2014*
Sample Depth	*8 ft bgs*
Benzo(a)pyrene	1.1
Dibenzo(a,h)anthracene	0.89

Sample ID	*SB-10-10-070814A*
Location ID	*SB-35*
Sample Date	*7/8/2014*
Sample Depth	*10 ft bgs*
Copper	495

Sample ID	*SB-04-10-070714*
Sample Location	*SB-29*
Sample Date	*7/7/2014*
Sample Depth	*10 ft bgs*
Arsenic	21.9
Benzo(a)pyrene	2.1

Sample ID	*SB-09-04-070814A*
Sample Location	*SB-34*
Sample Date	*7/8/2014*
Sample Depth	*4 ft bgs*
Arsenic	66
Benzo(a)pyrene	1.1
Manganese	19,800

Sample ID	*SB-06-10-070714*
Sample Location	*SB-31*
Sample Date	*7/7/2014*
Sample Depth	*10 ft bgs*
Copper	378

Sample ID	*SB-08-04-070714*
Sample Location	*SB-33*
Sample Date	*7/7/2014*
Sample Depth	*4 ft bgs*
Benzo(a)pyrene	1

Sample ID	*SB-13-08-070814*
Sample Location	*SB-38*
Sample Date	*7/8/2014*
Sample Depth	*8 ft bgs*
Benzo(a)pyrene	1.5

Analyte	*Restricted Commercial Use SCO*
Arsenic	16
Benzo(a)anthracene	5.6
Benzo(a)pyrene	1
Benzo(b)fluoranthene	5.6
Copper	270
Dibenzo(a,h)anthracene	0.56
Indeno(1,2,3-cd)pyrene	5.6
Manganese	10,000

Legend

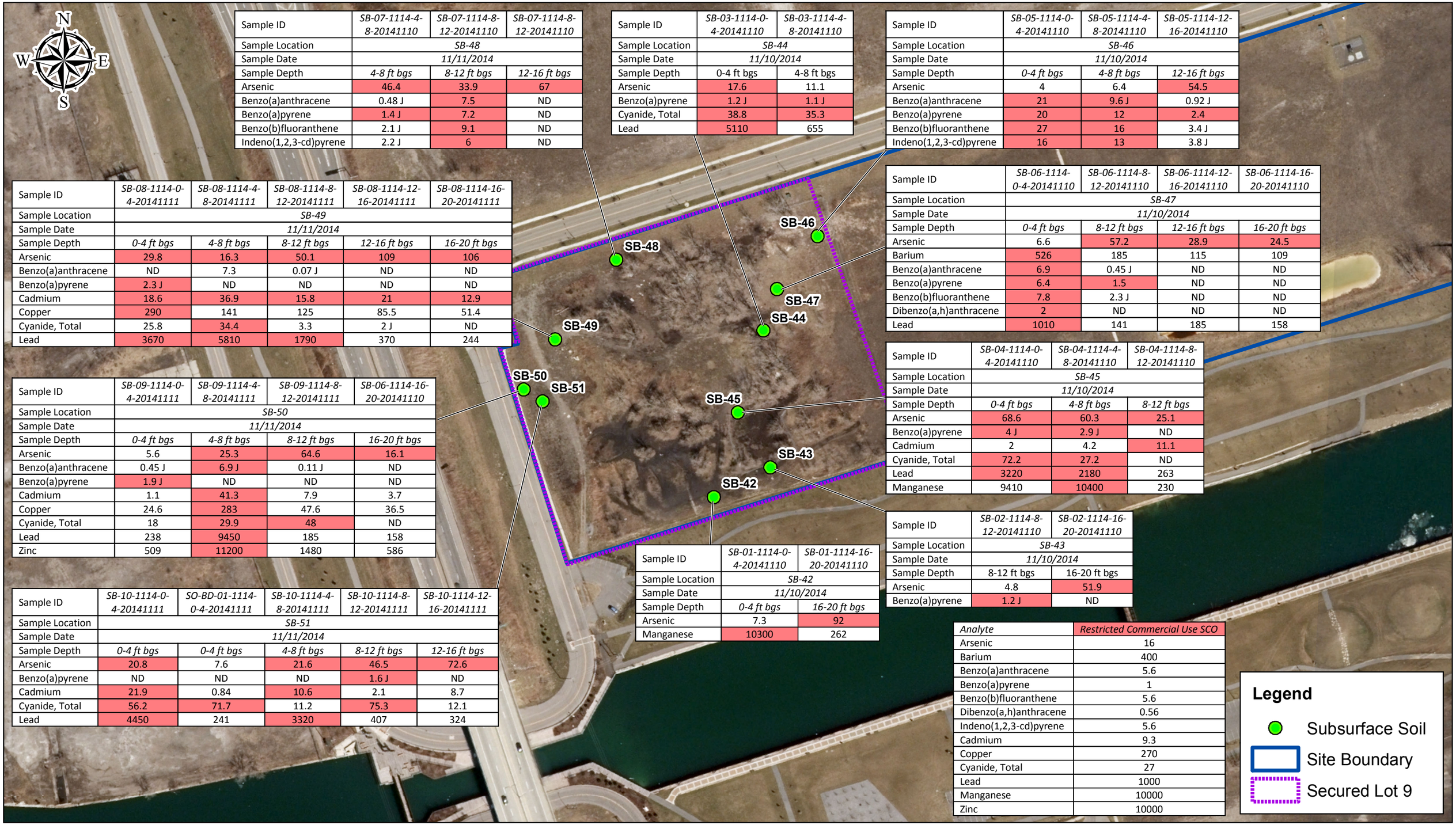
- Subsurface Soil
- Site Boundary
- Secured Lot 9
- Blue Fill Area

CDM Smith

Notes:
1. All values are in mg/kg, unless otherwise noted.

0 50 100 200 300 400 Feet

Figure 3-1H
Subsurface Soil Results - July 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Sample ID	SB-07-1114-4-8-20141110	SB-07-1114-8-12-20141110	SB-07-1114-8-12-20141110
Sample Location	SB-48		
Sample Date	11/11/2014		
Sample Depth	4-8 ft bgs	8-12 ft bgs	12-16 ft bgs
Arsenic	46.4	33.9	67
Benzo(a)anthracene	0.48 J	7.5	ND
Benzo(a)pyrene	1.4 J	7.2	ND
Benzo(b)fluoranthene	2.1 J	9.1	ND
Indeno(1,2,3-cd)pyrene	2.2 J	6	ND

Sample ID	SB-03-1114-0-4-20141110	SB-03-1114-4-8-20141110
Sample Location	SB-44	
Sample Date	11/10/2014	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Arsenic	17.6	11.1
Benzo(a)pyrene	1.2 J	1.1 J
Cyanide, Total	38.8	35.3
Lead	5110	655

Sample ID	SB-05-1114-0-4-20141110	SB-05-1114-4-8-20141110	SB-05-1114-12-16-20141110
Sample Location	SB-46		
Sample Date	11/10/2014		
Sample Depth	0-4 ft bgs	4-8 ft bgs	12-16 ft bgs
Arsenic	4	6.4	54.5
Benzo(a)anthracene	21	9.6 J	0.92 J
Benzo(a)pyrene	20	12	2.4
Benzo(b)fluoranthene	27	16	3.4 J
Indeno(1,2,3-cd)pyrene	16	13	3.8 J

Sample ID	SB-08-1114-0-4-20141111	SB-08-1114-4-8-20141111	SB-08-1114-8-12-20141111	SB-08-1114-12-16-20141111	SB-08-1114-16-20-20141111
Sample Location	SB-49				
Sample Date	11/11/2014				
Sample Depth	0-4 ft bgs	4-8 ft bgs	8-12 ft bgs	12-16 ft bgs	16-20 ft bgs
Arsenic	29.8	16.3	50.1	109	106
Benzo(a)anthracene	ND	7.3	0.07 J	ND	ND
Benzo(a)pyrene	2.3 J	ND	ND	ND	ND
Cadmium	18.6	36.9	15.8	21	12.9
Copper	290	141	125	85.5	51.4
Cyanide, Total	25.8	34.4	3.3	2 J	ND
Lead	3670	5810	1790	370	244

Sample ID	SB-06-1114-0-4-20141110	SB-06-1114-8-12-20141110	SB-06-1114-12-16-20141110	SB-06-1114-16-20-20141110
Sample Location	SB-47			
Sample Date	11/10/2014			
Sample Depth	0-4 ft bgs	8-12 ft bgs	12-16 ft bgs	16-20 ft bgs
Arsenic	6.6	57.2	28.9	24.5
Barium	526	185	115	109
Benzo(a)anthracene	6.9	0.45 J	ND	ND
Benzo(a)pyrene	6.4	1.5	ND	ND
Benzo(b)fluoranthene	7.8	2.3 J	ND	ND
Dibenzo(a,h)anthracene	2	ND	ND	ND
Lead	1010	141	185	158

Sample ID	SB-09-1114-0-4-20141111	SB-09-1114-4-8-20141111	SB-09-1114-8-12-20141111	SB-06-1114-16-20-20141110
Sample Location	SB-50			
Sample Date	11/11/2014			
Sample Depth	0-4 ft bgs	4-8 ft bgs	8-12 ft bgs	16-20 ft bgs
Arsenic	5.6	25.3	64.6	16.1
Benzo(a)anthracene	0.45 J	6.9 J	0.11 J	ND
Benzo(a)pyrene	1.9 J	ND	ND	ND
Cadmium	1.1	41.3	7.9	3.7
Copper	24.6	283	47.6	36.5
Cyanide, Total	18	29.9	48	ND
Lead	238	9450	185	158
Zinc	509	11200	1480	586

Sample ID	SB-04-1114-0-4-20141110	SB-04-1114-4-8-20141110	SB-04-1114-8-12-20141110
Sample Location	SB-45		
Sample Date	11/10/2014		
Sample Depth	0-4 ft bgs	4-8 ft bgs	8-12 ft bgs
Arsenic	68.6	60.3	25.1
Benzo(a)pyrene	4 J	2.9 J	ND
Cadmium	2	4.2	11.1
Cyanide, Total	72.2	27.2	ND
Lead	3220	2180	263
Manganese	9410	10400	230

Sample ID	SB-10-1114-0-4-20141111	SO-BD-01-1114-0-4-20141111	SB-10-1114-4-8-20141111	SB-10-1114-8-12-20141111	SB-10-1114-12-16-20141111
Sample Location	SB-51				
Sample Date	11/11/2014				
Sample Depth	0-4 ft bgs	0-4 ft bgs	4-8 ft bgs	8-12 ft bgs	12-16 ft bgs
Arsenic	20.8	7.6	21.6	46.5	72.6
Benzo(a)pyrene	ND	ND	ND	1.6 J	ND
Cadmium	21.9	0.84	10.6	2.1	8.7
Cyanide, Total	56.2	71.7	11.2	75.3	12.1
Lead	4450	241	3320	407	324

Sample ID	SB-01-1114-0-4-20141110	SB-01-1114-16-20-20141110
Sample Location	SB-42	
Sample Date	11/10/2014	
Sample Depth	0-4 ft bgs	16-20 ft bgs
Arsenic	7.3	92
Manganese	10300	262

Sample ID	SB-02-1114-8-12-20141110	SB-02-1114-16-20-20141110
Sample Location	SB-43	
Sample Date	11/10/2014	
Sample Depth	8-12 ft bgs	16-20 ft bgs
Arsenic	4.8	51.9
Benzo(a)pyrene	1.2 J	ND

Analyte	Restricted Commercial Use SCO
Arsenic	16
Barium	400
Benzo(a)anthracene	5.6
Benzo(a)pyrene	1
Benzo(b)fluoranthene	5.6
Dibenzo(a,h)anthracene	0.56
Indeno(1,2,3-cd)pyrene	5.6
Cadmium	9.3
Copper	270
Cyanide, Total	27
Lead	1000
Manganese	10000
Zinc	10000

Legend

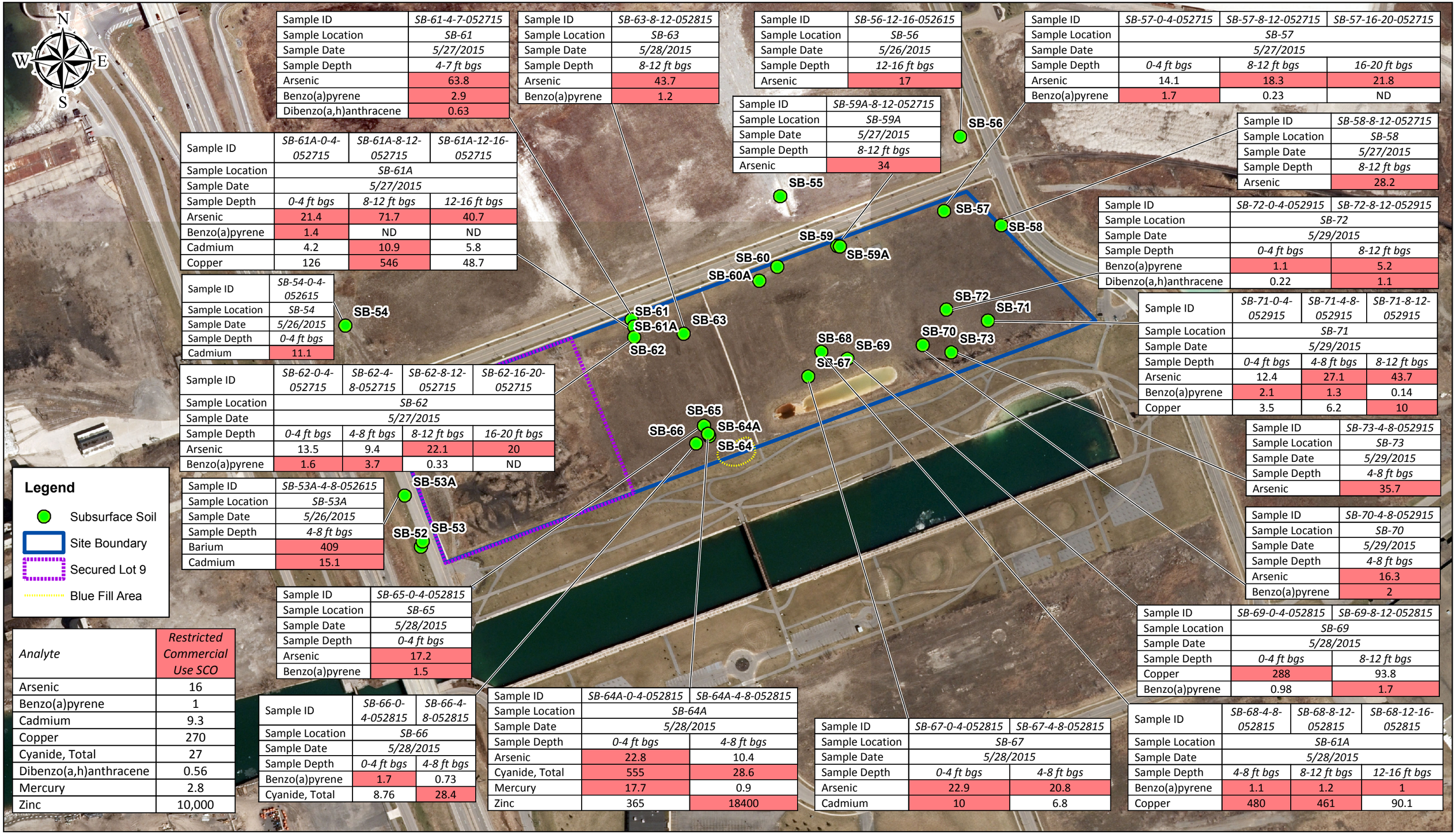
- Subsurface Soil
- Site Boundary
- Secured Lot 9

Notes:
1. All results are in mg/kg, unless otherwise noted.
2. J - Detected above MDL, but below MRL.
3. ND - Non-Detect

0 50 100 200 300 400 Feet

CDM Smith

Figure 3-1I
Subsurface Soil Results – November 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Sample ID	SB-61-4-7-052715
Sample Location	SB-61
Sample Date	5/27/2015
Sample Depth	4-7 ft bgs
Arsenic	63.8
Benzo(a)pyrene	2.9
Dibenzo(a,h)anthracene	0.63

Sample ID	SB-63-8-12-052815
Sample Location	SB-63
Sample Date	5/28/2015
Sample Depth	8-12 ft bgs
Arsenic	43.7
Benzo(a)pyrene	1.2

Sample ID	SB-56-12-16-052615
Sample Location	SB-56
Sample Date	5/26/2015
Sample Depth	12-16 ft bgs
Arsenic	17

Sample ID	SB-57-0-4-052715	SB-57-8-12-052715	SB-57-16-20-052715
Sample Location	SB-57		
Sample Date	5/27/2015		
Sample Depth	0-4 ft bgs	8-12 ft bgs	16-20 ft bgs
Arsenic	14.1	18.3	21.8
Benzo(a)pyrene	1.7	0.23	ND

Sample ID	SB-59A-8-12-052715
Sample Location	SB-59A
Sample Date	5/27/2015
Sample Depth	8-12 ft bgs
Arsenic	34

Sample ID	SB-58-8-12-052715
Sample Location	SB-58
Sample Date	5/27/2015
Sample Depth	8-12 ft bgs
Arsenic	28.2

Sample ID	SB-61A-0-4-052715	SB-61A-8-12-052715	SB-61A-12-16-052715
Sample Location	SB-61A		
Sample Date	5/27/2015		
Sample Depth	0-4 ft bgs	8-12 ft bgs	12-16 ft bgs
Arsenic	21.4	71.7	40.7
Benzo(a)pyrene	1.4	ND	ND
Cadmium	4.2	10.9	5.8
Copper	126	546	48.7

Sample ID	SB-72-0-4-052915	SB-72-8-12-052915
Sample Location	SB-72	
Sample Date	5/29/2015	
Sample Depth	0-4 ft bgs	8-12 ft bgs
Benzo(a)pyrene	1.1	5.2
Dibenzo(a,h)anthracene	0.22	1.1

Sample ID	SB-54-0-4-052615
Sample Location	SB-54
Sample Date	5/26/2015
Sample Depth	0-4 ft bgs
Cadmium	11.1

Sample ID	SB-71-0-4-052915	SB-71-4-8-052915	SB-71-8-12-052915
Sample Location	SB-71		
Sample Date	5/29/2015		
Sample Depth	0-4 ft bgs	4-8 ft bgs	8-12 ft bgs
Arsenic	12.4	27.1	43.7
Benzo(a)pyrene	2.1	1.3	0.14
Copper	3.5	6.2	10

Sample ID	SB-62-0-4-052715	SB-62-4-8-052715	SB-62-8-12-052715	SB-62-16-20-052715
Sample Location	SB-62			
Sample Date	5/27/2015			
Sample Depth	0-4 ft bgs	4-8 ft bgs	8-12 ft bgs	16-20 ft bgs
Arsenic	13.5	9.4	22.1	20
Benzo(a)pyrene	1.6	3.7	0.33	ND

Sample ID	SB-73-4-8-052915
Sample Location	SB-73
Sample Date	5/29/2015
Sample Depth	4-8 ft bgs
Arsenic	35.7

Sample ID	SB-53A-4-8-052615
Sample Location	SB-53A
Sample Date	5/26/2015
Sample Depth	4-8 ft bgs
Barium	409
Cadmium	15.1

Sample ID	SB-70-4-8-052915
Sample Location	SB-70
Sample Date	5/29/2015
Sample Depth	4-8 ft bgs
Arsenic	16.3
Benzo(a)pyrene	2

Sample ID	SB-65-0-4-052815
Sample Location	SB-65
Sample Date	5/28/2015
Sample Depth	0-4 ft bgs
Arsenic	17.2
Benzo(a)pyrene	1.5

Sample ID	SB-69-0-4-052815	SB-69-8-12-052815
Sample Location	SB-69	
Sample Date	5/28/2015	
Sample Depth	0-4 ft bgs	8-12 ft bgs
Copper	288	93.8
Benzo(a)pyrene	0.98	1.7

Analyte	Restricted Commercial Use SCO
Arsenic	16
Benzo(a)pyrene	1
Cadmium	9.3
Copper	270
Cyanide, Total	27
Dibenzo(a,h)anthracene	0.56
Mercury	2.8
Zinc	10,000

Sample ID	SB-66-0-4-052815	SB-66-4-8-052815
Sample Location	SB-66	
Sample Date	5/28/2015	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Benzo(a)pyrene	1.7	0.73
Cyanide, Total	8.76	28.4

Sample ID	SB-64A-0-4-052815	SB-64A-4-8-052815
Sample Location	SB-64A	
Sample Date	5/28/2015	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Arsenic	22.8	10.4
Cyanide, Total	555	28.6
Mercury	17.7	0.9
Zinc	365	18400

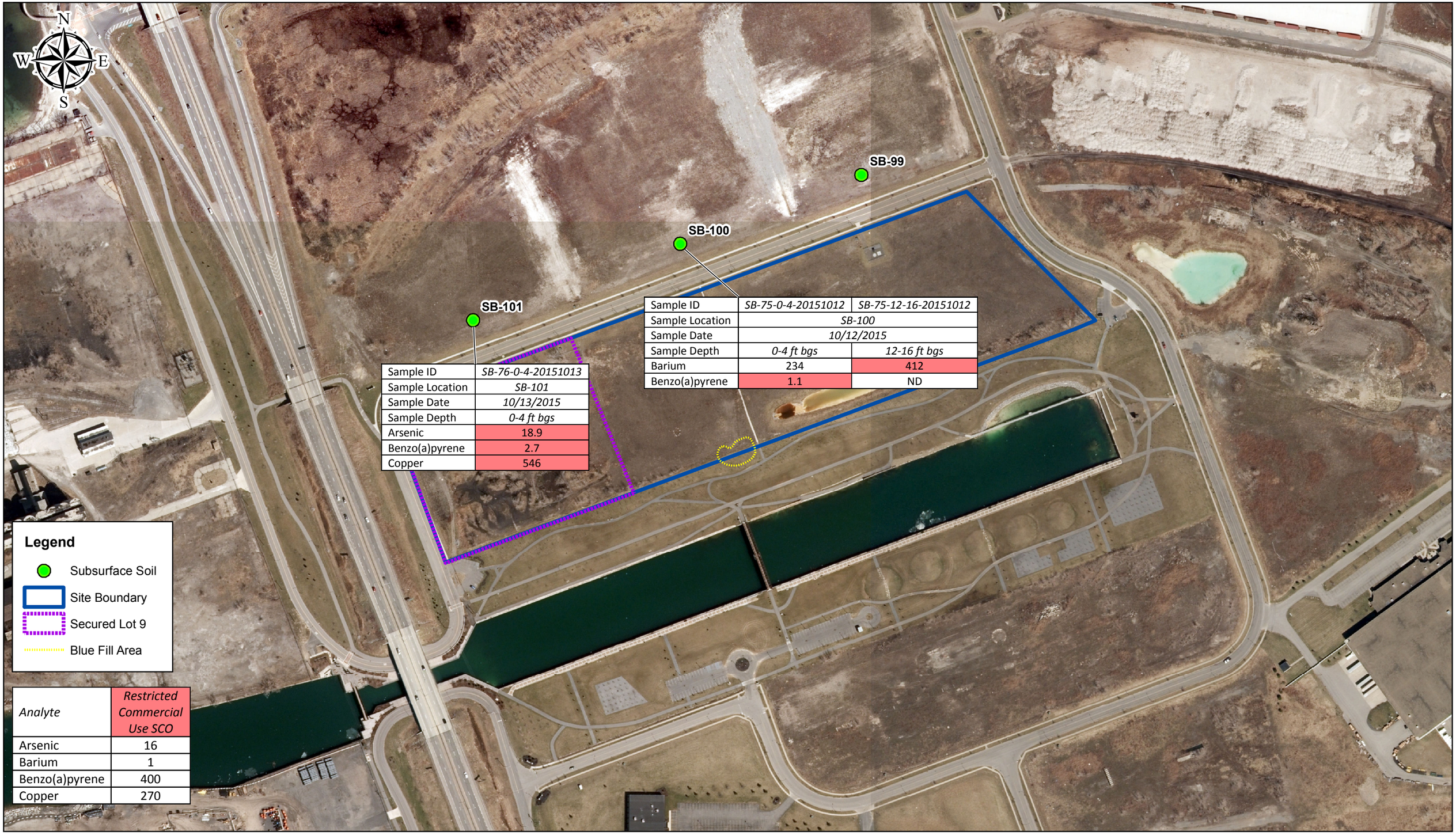
Sample ID	SB-67-0-4-052815	SB-67-4-8-052815
Sample Location	SB-67	
Sample Date	5/28/2015	
Sample Depth	0-4 ft bgs	4-8 ft bgs
Arsenic	22.9	20.8
Cadmium	10	6.8

Sample ID	SB-68-4-8-052815	SB-68-8-12-052815	SB-68-12-16-052815
Sample Location	SB-61A		
Sample Date	5/28/2015		
Sample Depth	4-8 ft bgs	8-12 ft bgs	12-16 ft bgs
Benzo(a)pyrene	1.1	1.2	1
Copper	480	461	90.1

Notes:
1. All values are in mg/kg, unless otherwise noted.
2. ND - Non-Detect

0 75 150 300 450 600 Feet

Figure 3-1J
Subsurface Soil Results - May 2015
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



CDM Smith

Notes:
1. All values are in mg/kg, unless otherwise noted.
2. ND - Non-Detect

0 75 150 300 450 600 Feet

Figure 3-1E
Subsurface Soil Results - October 2015
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY

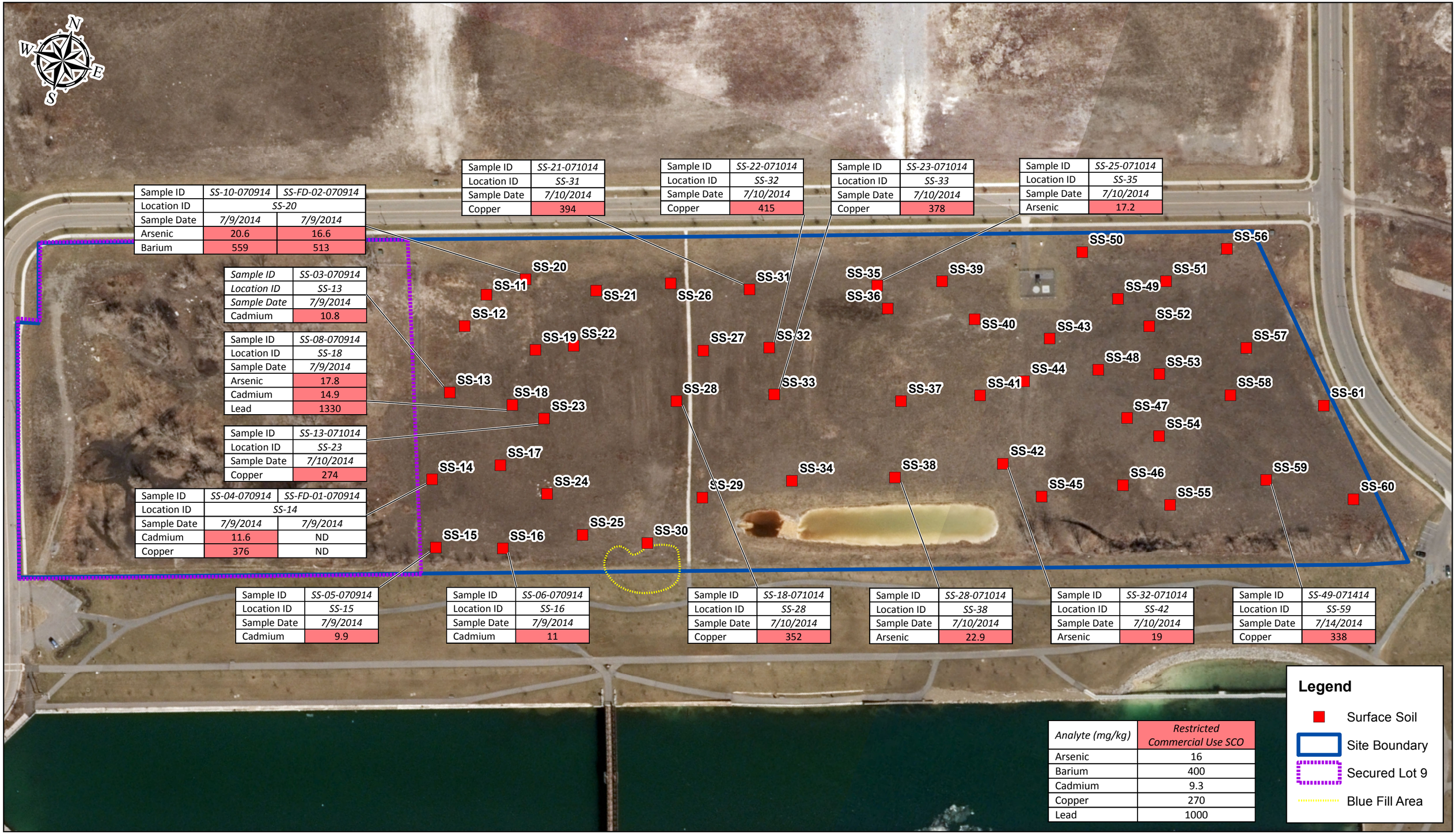


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Notes:
1. All samples were taken at 0 feet bgs.
2. All results are in mg/kg, unless otherwise noted.

0 50 100 200 300 400 Feet

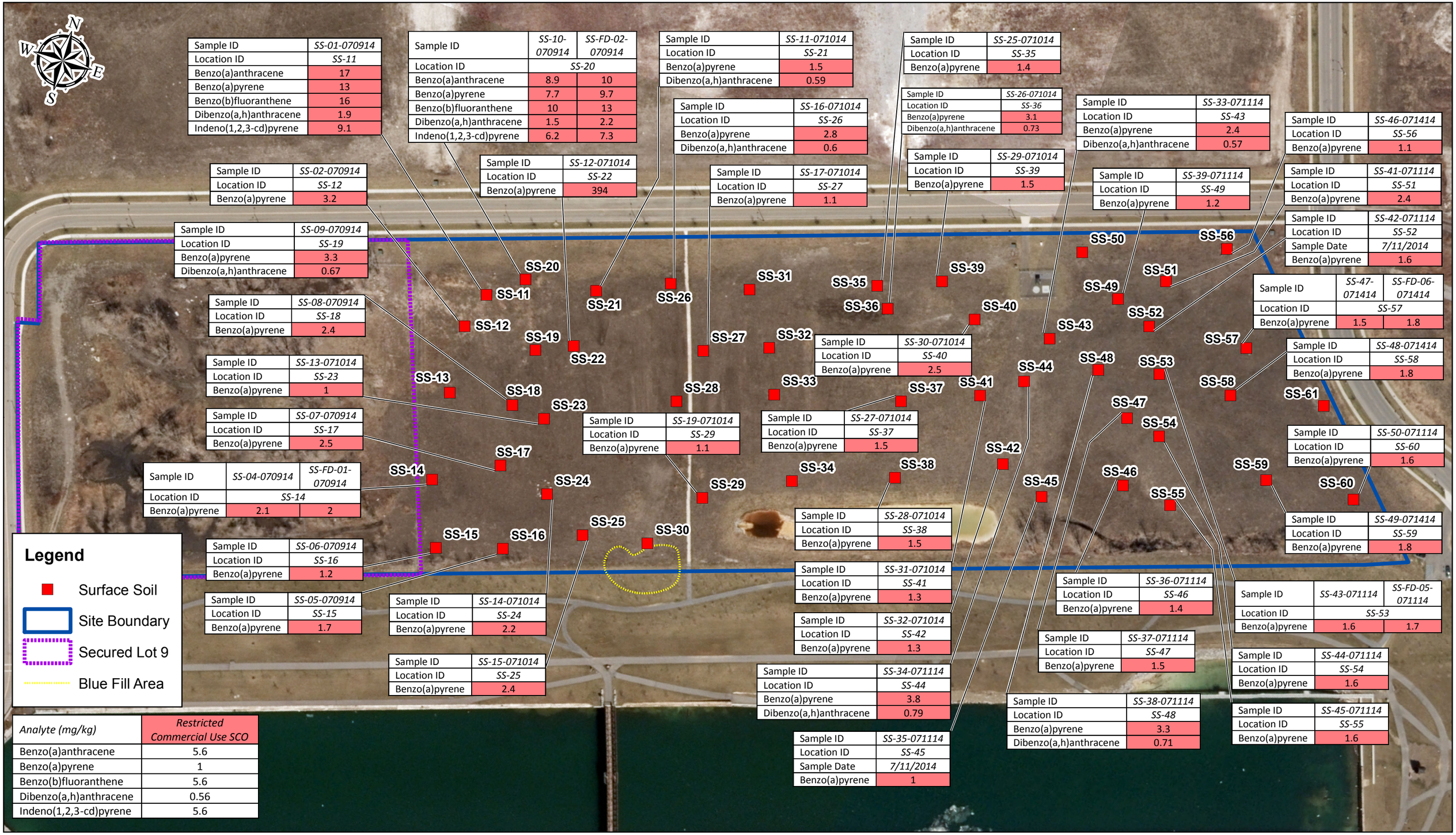
Figure 3-2A
Surface Soil Results – September 2012
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Notes:
1. All samples were taken at 0 feet bgs.
2. All results are in mg/kg, unless otherwise noted.
3. ND - Non-Detect

0 50 100 200 300 400 Feet

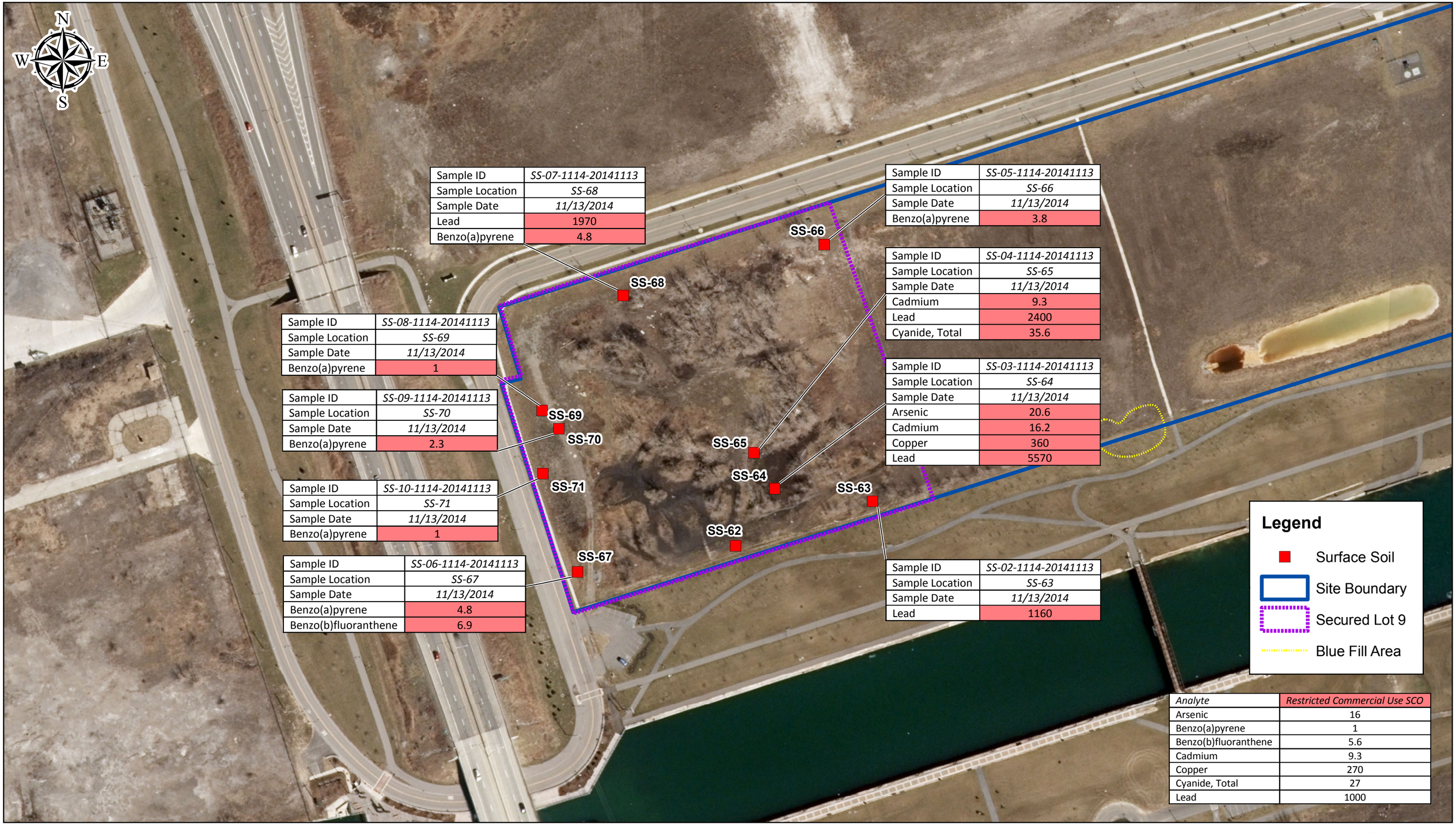
Figure 3-2B
Surface Soil Metal Exceedance Results - July 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Notes:
1. All samples were taken at 0 feet bgs.
2. All results are in mg/kg, unless otherwise noted.
3. ND - Non-Detect

0 50 100 200 300 400 Feet

Figure 3-2C
Surface Soil PAH Exceedance Results - July 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Sample ID	SS-07-1114-20141113
Sample Location	SS-68
Sample Date	11/13/2014
Lead	1970
Benzo(a)pyrene	4.8

Sample ID	SS-05-1114-20141113
Sample Location	SS-66
Sample Date	11/13/2014
Benzo(a)pyrene	3.8

Sample ID	SS-04-1114-20141113
Sample Location	SS-65
Sample Date	11/13/2014
Cadmium	9.3
Lead	2400
Cyanide, Total	35.6

Sample ID	SS-08-1114-20141113
Sample Location	SS-69
Sample Date	11/13/2014
Benzo(a)pyrene	1

Sample ID	SS-03-1114-20141113
Sample Location	SS-64
Sample Date	11/13/2014
Arsenic	20.6
Cadmium	16.2
Copper	360
Lead	5570

Sample ID	SS-09-1114-20141113
Sample Location	SS-70
Sample Date	11/13/2014
Benzo(a)pyrene	2.3

Sample ID	SS-10-1114-20141113
Sample Location	SS-71
Sample Date	11/13/2014
Benzo(a)pyrene	1

Sample ID	SS-06-1114-20141113
Sample Location	SS-67
Sample Date	11/13/2014
Benzo(a)pyrene	4.8
Benzo(b)fluoranthene	6.9

Sample ID	SS-02-1114-20141113
Sample Location	SS-63
Sample Date	11/13/2014
Lead	1160

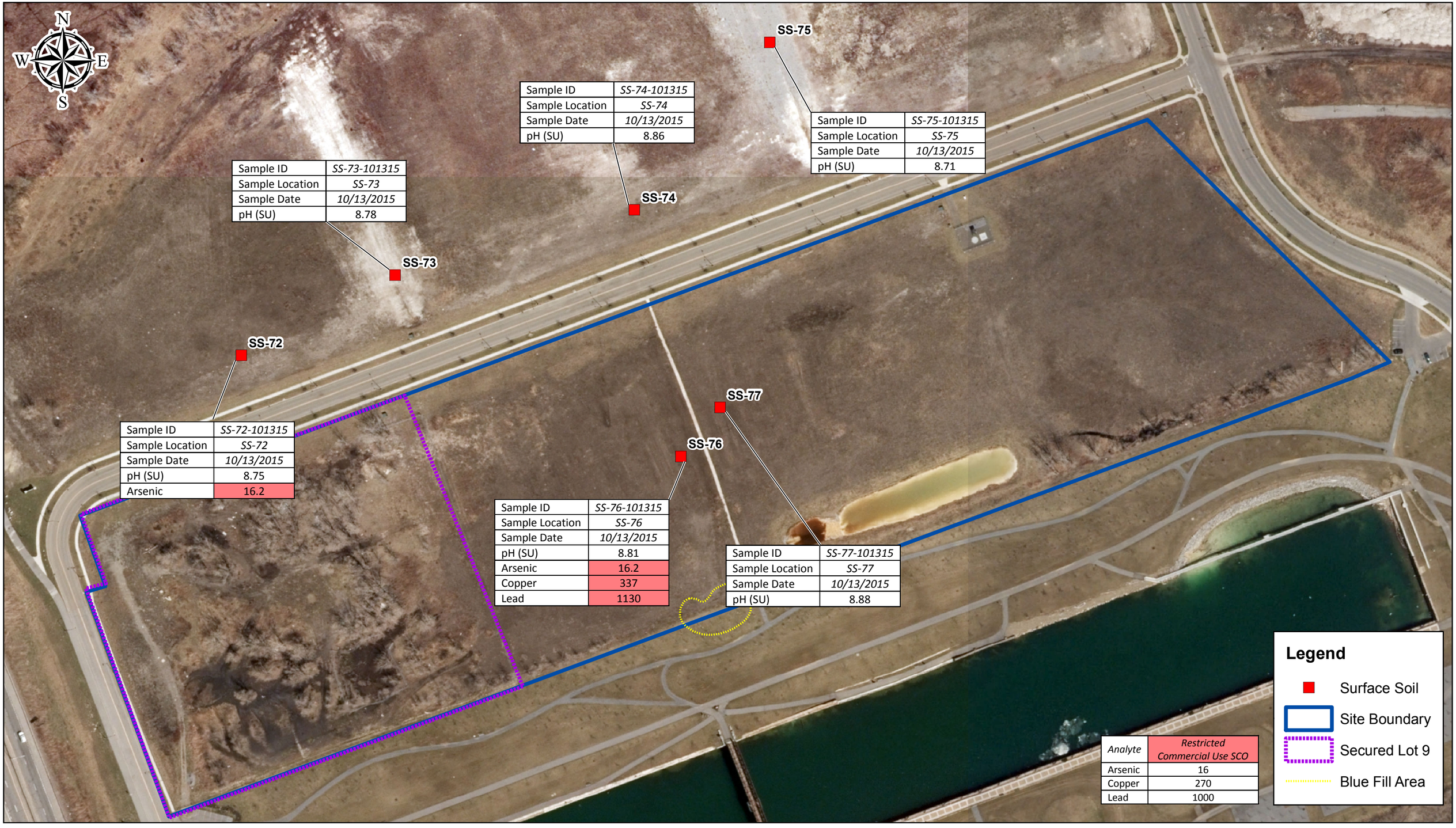
Analyte	Restricted Commercial Use SCO
Arsenic	16
Benzo(a)pyrene	1
Benzo(b)fluoranthene	5.6
Cadmium	9.3
Copper	270
Cyanide, Total	27
Lead	1000

Notes:
1. All samples were taken at 0 feet bgs.
2. All results are in mg/kg, unless otherwise noted.
3. ND - Non-Detect

0 50 100 200 300 400 Feet

CDM Smith

Figure 3-2D
Surface Soil Results – November 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY

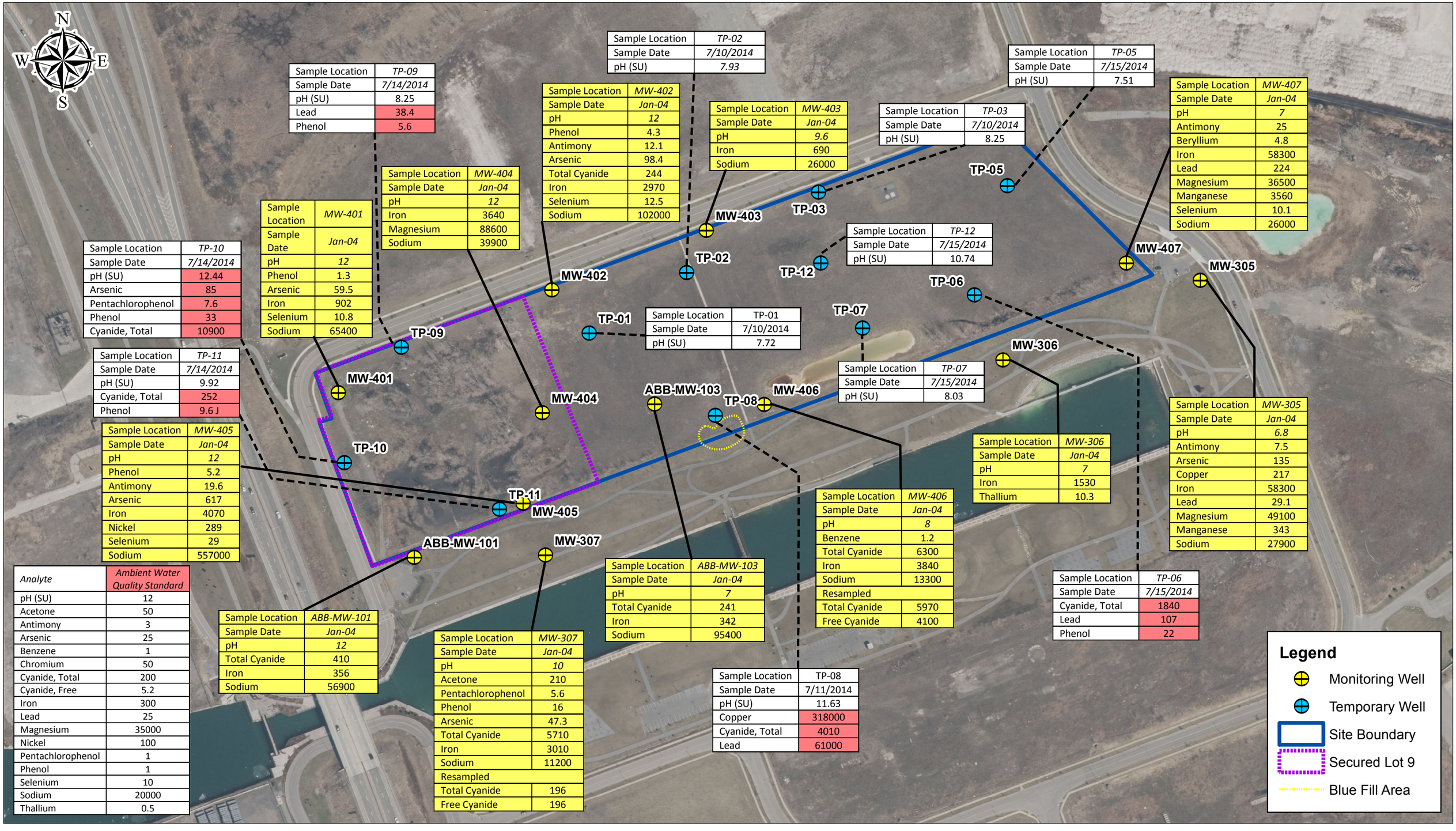


Notes:
1. All samples were taken at 0 feet bgs.
2. All results are in mg/kg, unless otherwise noted.
3. ND - Non-Detect

0 50 100 200 300 400 Feet

CDM Smith

Figure 3-2E
Surface Soil Results – October 2015
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Sample Location	TP-09
Sample Date	7/14/2014
pH (SU)	8.25
Lead	38.4
Phenol	5.6

Sample Location	TP-02
Sample Date	7/10/2014
pH (SU)	7.93

Sample Location	TP-05
Sample Date	7/15/2014
pH (SU)	7.51

Sample Location	MW-407
Sample Date	Jan-04
pH	7
Antimony	25
Beryllium	4.8
Iron	58300
Lead	224
Magnesium	36500
Manganese	3560
Selenium	10.1
Sodium	26000

Sample Location	MW-402
Sample Date	Jan-04
pH	12
Phenol	4.3
Antimony	12.1
Arsenic	98.4
Total Cyanide	244
Iron	2970
Selenium	12.5
Sodium	102000

Sample Location	MW-403
Sample Date	Jan-04
pH	9.6
Iron	690
Sodium	26000

Sample Location	TP-03
Sample Date	7/10/2014
pH (SU)	8.25

Sample Location	MW-404
Sample Date	Jan-04
pH	12
Iron	3640
Magnesium	88600
Sodium	39900

Sample Location	MW-401
Sample Date	Jan-04
pH	12
Phenol	1.3
Arsenic	59.5
Iron	902
Selenium	10.8
Sodium	65400

Sample Location	TP-12
Sample Date	7/15/2014
pH (SU)	10.74

Sample Location	TP-10
Sample Date	7/14/2014
pH (SU)	12.44
Arsenic	85
Pentachlorophenol	7.6
Phenol	33
Cyanide, Total	10900

Sample Location	TP-01
Sample Date	7/10/2014
pH (SU)	7.72

Sample Location	TP-11
Sample Date	7/14/2014
pH (SU)	9.92
Cyanide, Total	252
Phenol	9.6 J

Sample Location	TP-07
Sample Date	7/15/2014
pH (SU)	8.03

Sample Location	MW-306
Sample Date	Jan-04
pH	7
Iron	1530
Thallium	10.3

Sample Location	MW-305
Sample Date	Jan-04
pH	6.8
Antimony	7.5
Arsenic	135
Copper	217
Iron	58300
Lead	29.1
Magnesium	49100
Manganese	343
Sodium	27900

Sample Location	MW-405
Sample Date	Jan-04
pH	12
Phenol	5.2
Antimony	19.6
Arsenic	617
Iron	4070
Nickel	289
Selenium	29
Sodium	557000

Sample Location	MW-406
Sample Date	Jan-04
pH	8
Benzene	1.2
Total Cyanide	6300
Iron	3840
Sodium	13300
Resampled	
Total Cyanide	5970
Free Cyanide	4100

Sample Location	ABB-MW-103
Sample Date	Jan-04
pH	7
Total Cyanide	241
Iron	342
Sodium	95400

Sample Location	TP-06
Sample Date	7/15/2014
Cyanide, Total	1840
Lead	107
Phenol	22

Analyte	Ambient Water Quality Standard
pH (SU)	12
Acetone	50
Antimony	3
Arsenic	25
Benzene	1
Chromium	50
Cyanide, Total	200
Cyanide, Free	5.2
Iron	300
Lead	25
Magnesium	35000
Nickel	100
Pentachlorophenol	1
Phenol	1
Selenium	10
Sodium	20000
Thallium	0.5

Sample Location	ABB-MW-101
Sample Date	Jan-04
pH	12
Total Cyanide	410
Iron	356
Sodium	56900

Sample Location	MW-307
Sample Date	Jan-04
pH	10
Acetone	210
Pentachlorophenol	5.6
Phenol	16
Arsenic	47.3
Total Cyanide	5710
Iron	3010
Sodium	11200
Resampled	
Total Cyanide	196
Free Cyanide	196

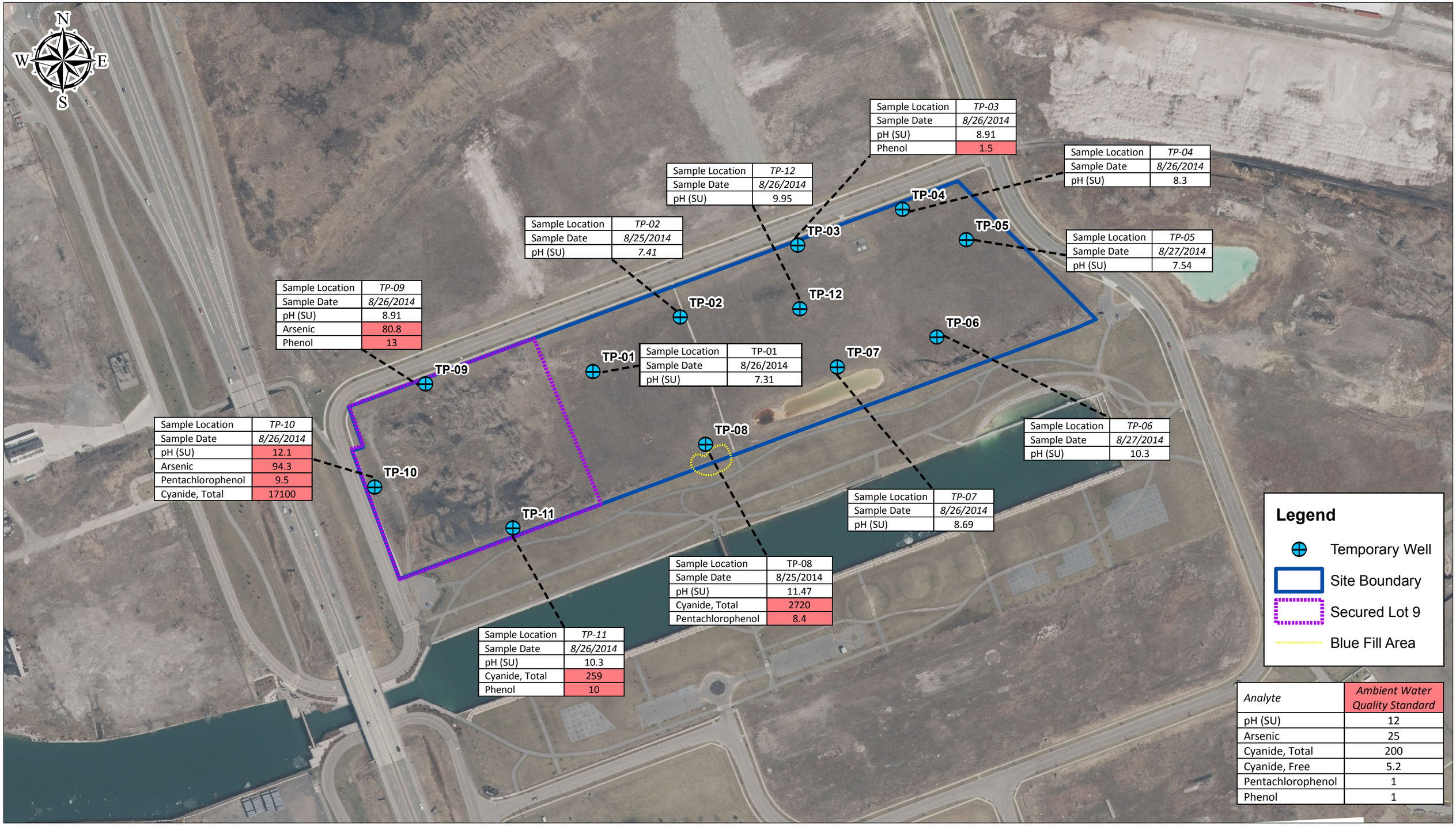
Sample Location	TP-08
Sample Date	7/11/2014
pH (SU)	11.63
Copper	318000
Cyanide, Total	4010
Lead	61000

Notes:
1. All units are in µg/L, unless otherwise noted.
2. J - Deteced above MDL, but below MRL.
3. All results and locations indicated in yellow were taken and provided by Malcolm Pirnie in January of 2004.

0 100 200 400 600 800 Feet

CDM Smith

Figure 3-3A
Groundwater Results - Overlaid with Malcolm Pirnie Results - July 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Notes:
1. All units are in µg/L, unless otherwise noted.

0 125 250 500 750 1,000 Feet

CDM Smith

Figure 3-3B
Groundwater Results - August 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY

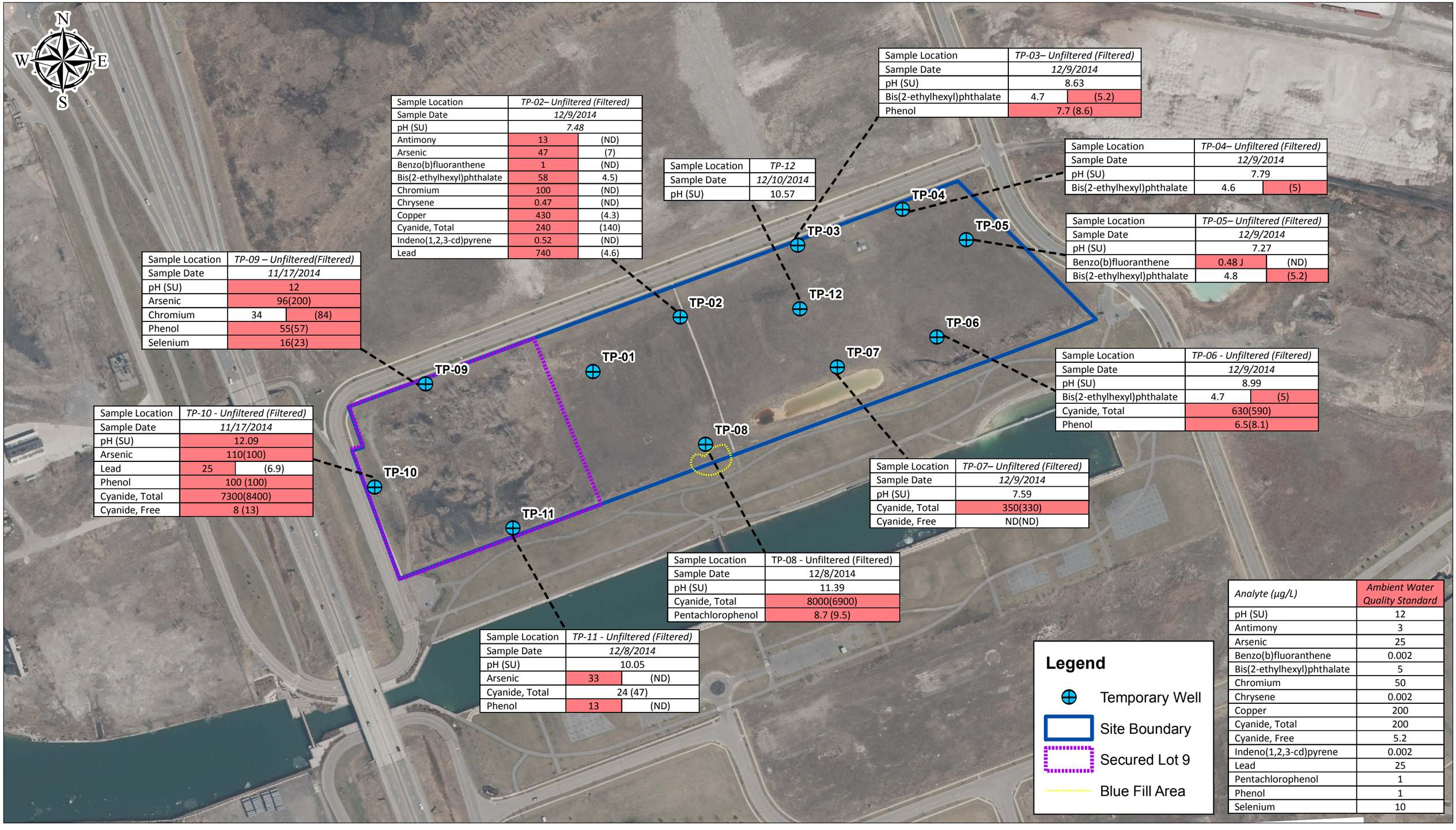


Notes:
1. All units are in µg/L, unless otherwise noted.

0 100 200 400 600 800 Feet

CDM Smith

Figure 3-3C
Groundwater Results - September 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Sample Location	TP-02– Unfiltered (Filtered)	
Sample Date	12/9/2014	
pH (SU)	7.48	
Antimony	13	(ND)
Arsenic	47	(7)
Benzo(b)fluoranthene	1	(ND)
Bis(2-ethylhexyl)phthalate	58	4.5)
Chromium	100	(ND)
Chrysene	0.47	(ND)
Copper	430	(4.3)
Cyanide, Total	240	(140)
Indeno(1,2,3-cd)pyrene	0.52	(ND)
Lead	740	(4.6)

Sample Location	TP-03– Unfiltered (Filtered)	
Sample Date	12/9/2014	
pH (SU)	8.63	
Bis(2-ethylhexyl)phthalate	4.7	(5.2)
Phenol	7.7 (8.6)	

Sample Location	TP-04– Unfiltered (Filtered)	
Sample Date	12/9/2014	
pH (SU)	7.79	
Bis(2-ethylhexyl)phthalate	4.6	(5)

Sample Location	TP-05– Unfiltered (Filtered)	
Sample Date	12/9/2014	
pH (SU)	7.27	
Benzo(b)fluoranthene	0.48 J	(ND)
Bis(2-ethylhexyl)phthalate	4.8	(5.2)

Sample Location	TP-06 - Unfiltered (Filtered)	
Sample Date	12/9/2014	
pH (SU)	8.99	
Bis(2-ethylhexyl)phthalate	4.7	(5)
Cyanide, Total	630(590)	
Phenol	6.5(8.1)	

Sample Location	TP-07– Unfiltered (Filtered)
Sample Date	12/9/2014
pH (SU)	7.59
Cyanide, Total	350(330)
Cyanide, Free	ND(ND)

Sample Location	TP-08 - Unfiltered (Filtered)
Sample Date	12/8/2014
pH (SU)	11.39
Cyanide, Total	8000(6900)
Pentachlorophenol	8.7 (9.5)

Sample Location	TP-09 – Unfiltered(Filtered)	
Sample Date	11/17/2014	
pH (SU)	12	
Arsenic	96(200)	
Chromium	34	(84)
Phenol	55(57)	
Selenium	16(23)	

Sample Location	TP-10 - Unfiltered (Filtered)	
Sample Date	11/17/2014	
pH (SU)	12.09	
Arsenic	110(100)	
Lead	25	(6.9)
Phenol	100 (100)	
Cyanide, Total	7300(8400)	
Cyanide, Free	8 (13)	

Sample Location	TP-11 - Unfiltered (Filtered)	
Sample Date	12/8/2014	
pH (SU)	10.05	
Arsenic	33	(ND)
Cyanide, Total	24 (47)	
Phenol	13	(ND)

Sample Location	TP-12
Sample Date	12/10/2014
pH (SU)	10.57

Legend

- Temporary Well
- Site Boundary
- Secured Lot 9
- Blue Fill Area

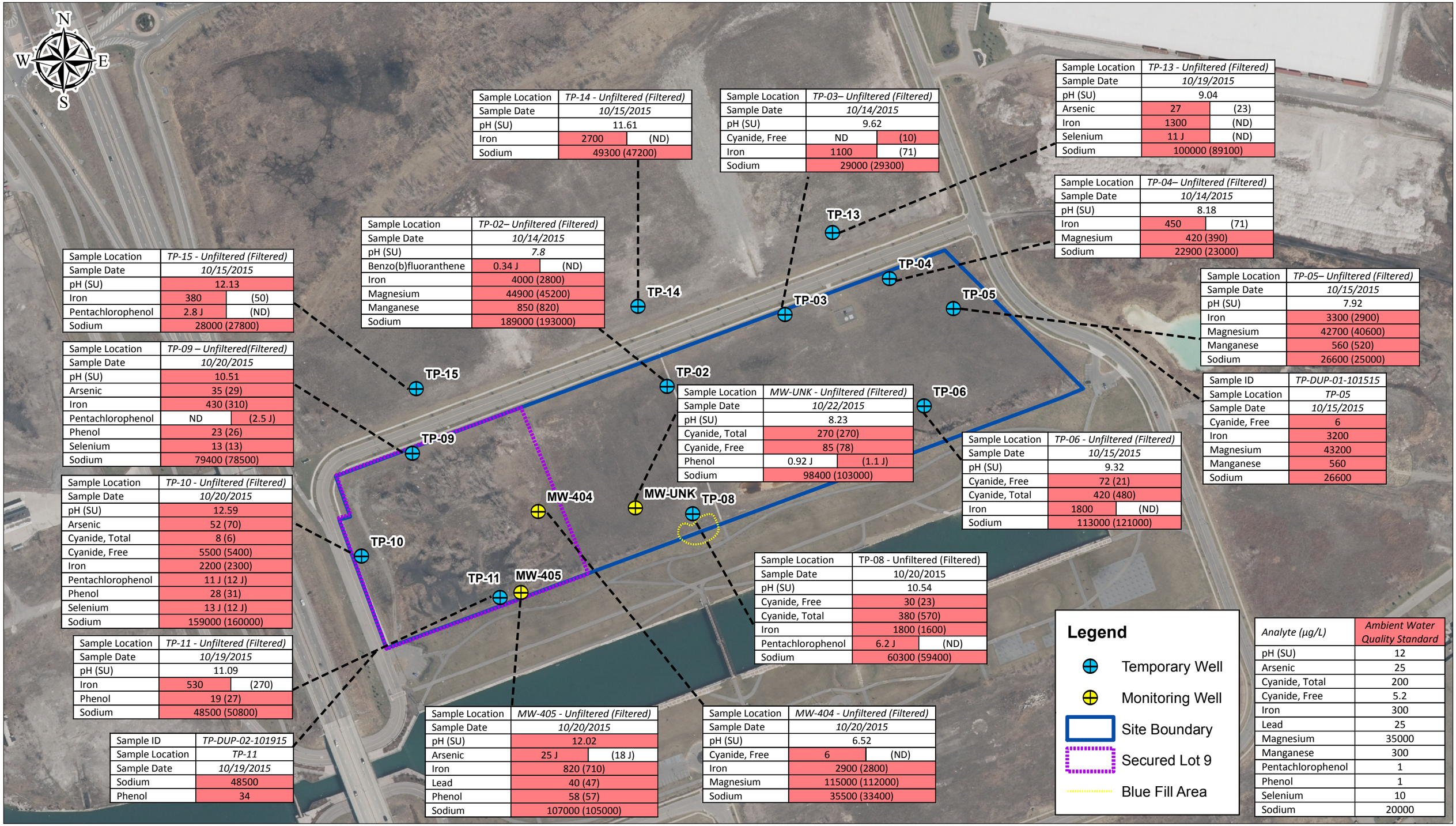
Analyte (µg/L)	Ambient Water Quality Standard
pH (SU)	12
Antimony	3
Arsenic	25
Benzo(b)fluoranthene	0.002
Bis(2-ethylhexyl)phthalate	5
Chromium	50
Chrysene	0.002
Copper	200
Cyanide, Total	200
Cyanide, Free	5.2
Indeno(1,2,3-cd)pyrene	0.002
Lead	25
Pentachlorophenol	1
Phenol	1
Selenium	10

Notes:
1. All units are in µg/L, unless otherwise noted.

0 125 250 500 750 1,000 Feet

CDM Smith

Figure 3-3D
Groundwater Results - November and December 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Sample Location	TP-14 - Unfiltered (Filtered)	
Sample Date	10/15/2015	
pH (SU)	11.61	
Iron	2700	(ND)
Sodium	49300 (47200)	

Sample Location	TP-03– Unfiltered (Filtered)	
Sample Date	10/14/2015	
pH (SU)	9.62	
Cyanide, Free	ND	(10)
Iron	1100	(71)
Sodium	29000 (29300)	

Sample Location	TP-13 - Unfiltered (Filtered)	
Sample Date	10/19/2015	
pH (SU)	9.04	
Arsenic	27	(23)
Iron	1300	(ND)
Selenium	11 J	(ND)
Sodium	100000 (89100)	

Sample Location	TP-04– Unfiltered (Filtered)	
Sample Date	10/14/2015	
pH (SU)	8.18	
Iron	450	(71)
Magnesium	420 (390)	
Sodium	22900 (23000)	

Sample Location	TP-02– Unfiltered (Filtered)	
Sample Date	10/14/2015	
pH (SU)	7.8	
Benzo(b)fluoranthene	0.34 J	(ND)
Iron	4000 (2800)	
Magnesium	44900 (45200)	
Manganese	850 (820)	
Sodium	189000 (193000)	

Sample Location	TP-05– Unfiltered (Filtered)
Sample Date	10/15/2015
pH (SU)	7.92
Iron	3300 (2900)
Magnesium	42700 (40600)
Manganese	560 (520)
Sodium	26600 (25000)

Sample Location	TP-15 - Unfiltered (Filtered)	
Sample Date	10/15/2015	
pH (SU)	12.13	
Iron	380	(50)
Pentachlorophenol	2.8 J	(ND)
Sodium	28000 (27800)	

Sample Location	TP-09 – Unfiltered(Filtered)	
Sample Date	10/20/2015	
pH (SU)	10.51	
Arsenic	35 (29)	
Iron	430 (310)	
Pentachlorophenol	ND	(2.5 J)
Phenol	23 (26)	
Selenium	13 (13)	
Sodium	79400 (78500)	

Sample Location	MW-UNK - Unfiltered (Filtered)	
Sample Date	10/22/2015	
pH (SU)	8.23	
Cyanide, Total	270 (270)	
Cyanide, Free	85 (78)	
Phenol	0.92 J	(1.1 J)
Sodium	98400 (103000)	

Sample Location	TP-06 - Unfiltered (Filtered)	
Sample Date	10/15/2015	
pH (SU)	9.32	
Cyanide, Free	72 (21)	
Cyanide, Total	420 (480)	
Iron	1800	(ND)
Sodium	113000 (121000)	

Sample ID	TP-DUP-01-101515
Sample Location	TP-05
Sample Date	10/15/2015
Cyanide, Free	6
Iron	3200
Magnesium	43200
Manganese	560
Sodium	26600

Sample Location	TP-10 - Unfiltered (Filtered)
Sample Date	10/20/2015
pH (SU)	12.59
Arsenic	52 (70)
Cyanide, Total	8 (6)
Cyanide, Free	5500 (5400)
Iron	2200 (2300)
Pentachlorophenol	11 J (12 J)
Phenol	28 (31)
Selenium	13 J (12 J)
Sodium	159000 (160000)

Sample Location	TP-08 - Unfiltered (Filtered)	
Sample Date	10/20/2015	
pH (SU)	10.54	
Cyanide, Free	30 (23)	
Cyanide, Total	380 (570)	
Iron	1800 (1600)	
Pentachlorophenol	6.2 J	(ND)
Sodium	60300 (59400)	

Sample Location	TP-11 - Unfiltered (Filtered)	
Sample Date	10/19/2015	
pH (SU)	11.09	
Iron	530	(270)
Phenol	19 (27)	
Sodium	48500 (50800)	

Sample ID	TP-DUP-02-101915
Sample Location	TP-11
Sample Date	10/19/2015
Sodium	48500
Phenol	34

Sample Location	MW-405 - Unfiltered (Filtered)	
Sample Date	10/20/2015	
pH (SU)	12.02	
Arsenic	25 J	(18 J)
Iron	820 (710)	
Lead	40 (47)	
Phenol	58 (57)	
Sodium	107000 (105000)	

Sample Location	MW-404 - Unfiltered (Filtered)	
Sample Date	10/20/2015	
pH (SU)	6.52	
Cyanide, Free	6	(ND)
Iron	2900 (2800)	
Magnesium	115000 (112000)	
Sodium	35500 (33400)	

Legend

- Temporary Well
- Monitoring Well
- Site Boundary
- Secured Lot 9
- Blue Fill Area

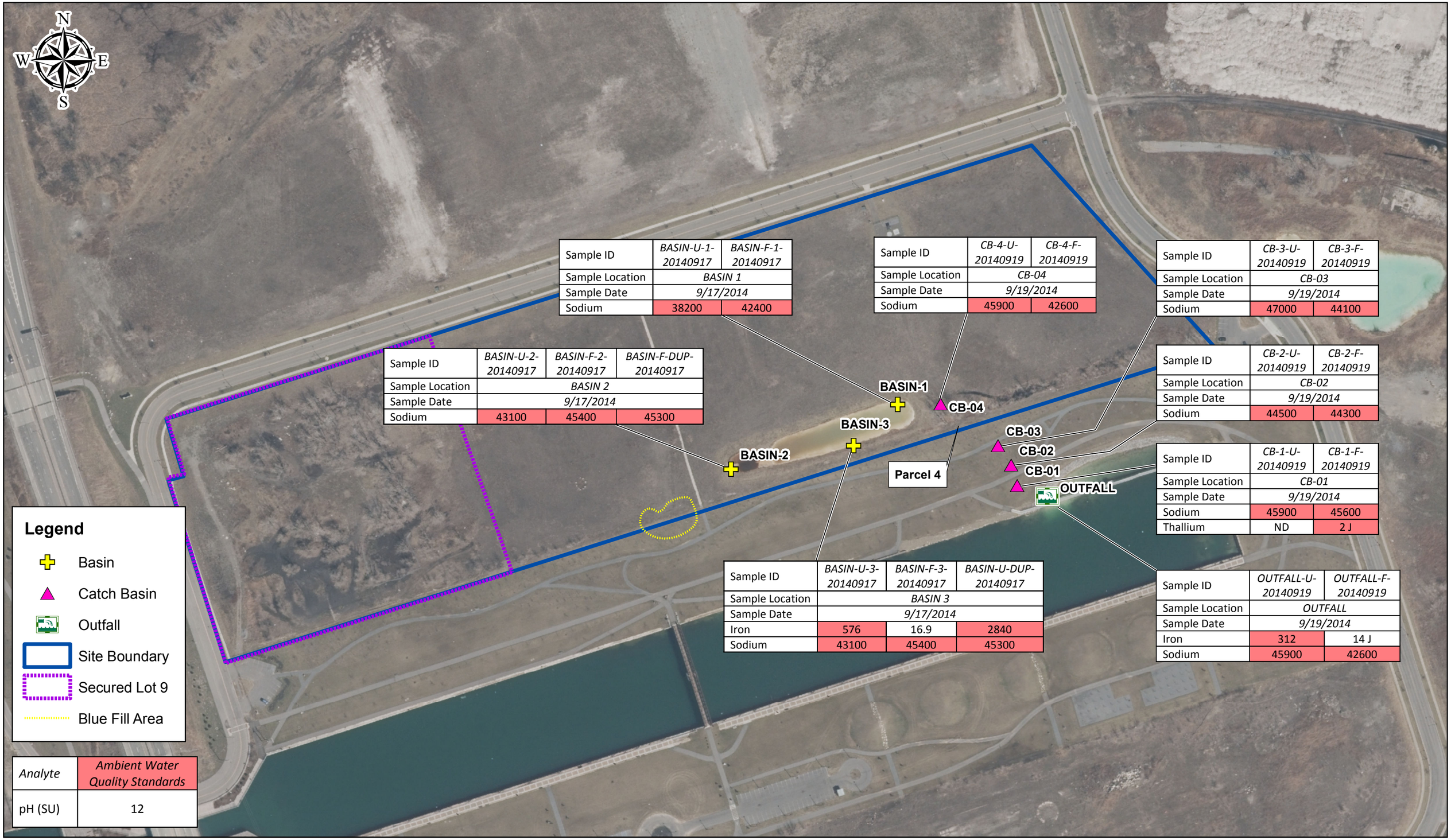
Analyte (µg/L)	Ambient Water Quality Standard
pH (SU)	12
Arsenic	25
Cyanide, Total	200
Cyanide, Free	5.2
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Pentachlorophenol	1
Phenol	1
Selenium	10
Sodium	20000

CDM Smith

Notes:
1. All units are in µg/L, unless otherwise noted.
2. ND - Non-Detect.
3. J - Detected above MDL, but below MRL.

0 125 250 500 750 1,000 Feet

Figure 3-3E
Groundwater Results - October 2015
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Sample ID	BASIN-U-1-20140917	BASIN-F-1-20140917
Sample Location	BASIN 1	
Sample Date	9/17/2014	
Sodium	38200	42400

Sample ID	BASIN-U-2-20140917	BASIN-F-2-20140917	BASIN-F-DUP-20140917
Sample Location	BASIN 2		
Sample Date	9/17/2014		
Sodium	43100	45400	45300

Sample ID	BASIN-U-3-20140917	BASIN-F-3-20140917	BASIN-U-DUP-20140917
Sample Location	BASIN 3		
Sample Date	9/17/2014		
Iron	576	16.9	2840
Sodium	43100	45400	45300

Sample ID	CB-4-U-20140919	CB-4-F-20140919
Sample Location	CB-04	
Sample Date	9/19/2014	
Sodium	45900	42600

Sample ID	CB-3-U-20140919	CB-3-F-20140919
Sample Location	CB-03	
Sample Date	9/19/2014	
Sodium	47000	44100

Sample ID	CB-2-U-20140919	CB-2-F-20140919
Sample Location	CB-02	
Sample Date	9/19/2014	
Sodium	44500	44300

Sample ID	CB-1-U-20140919	CB-1-F-20140919
Sample Location	CB-01	
Sample Date	9/19/2014	
Sodium	45900	45600
Thallium	ND	2 J

Sample ID	OUTFALL-U-20140919	OUTFALL-F-20140919
Sample Location	OUTFALL	
Sample Date	9/19/2014	
Iron	312	14 J
Sodium	45900	42600

Legend

- Basin
- Catch Basin
- Outfall
- Site Boundary
- Secured Lot 9
- Blue Fill Area

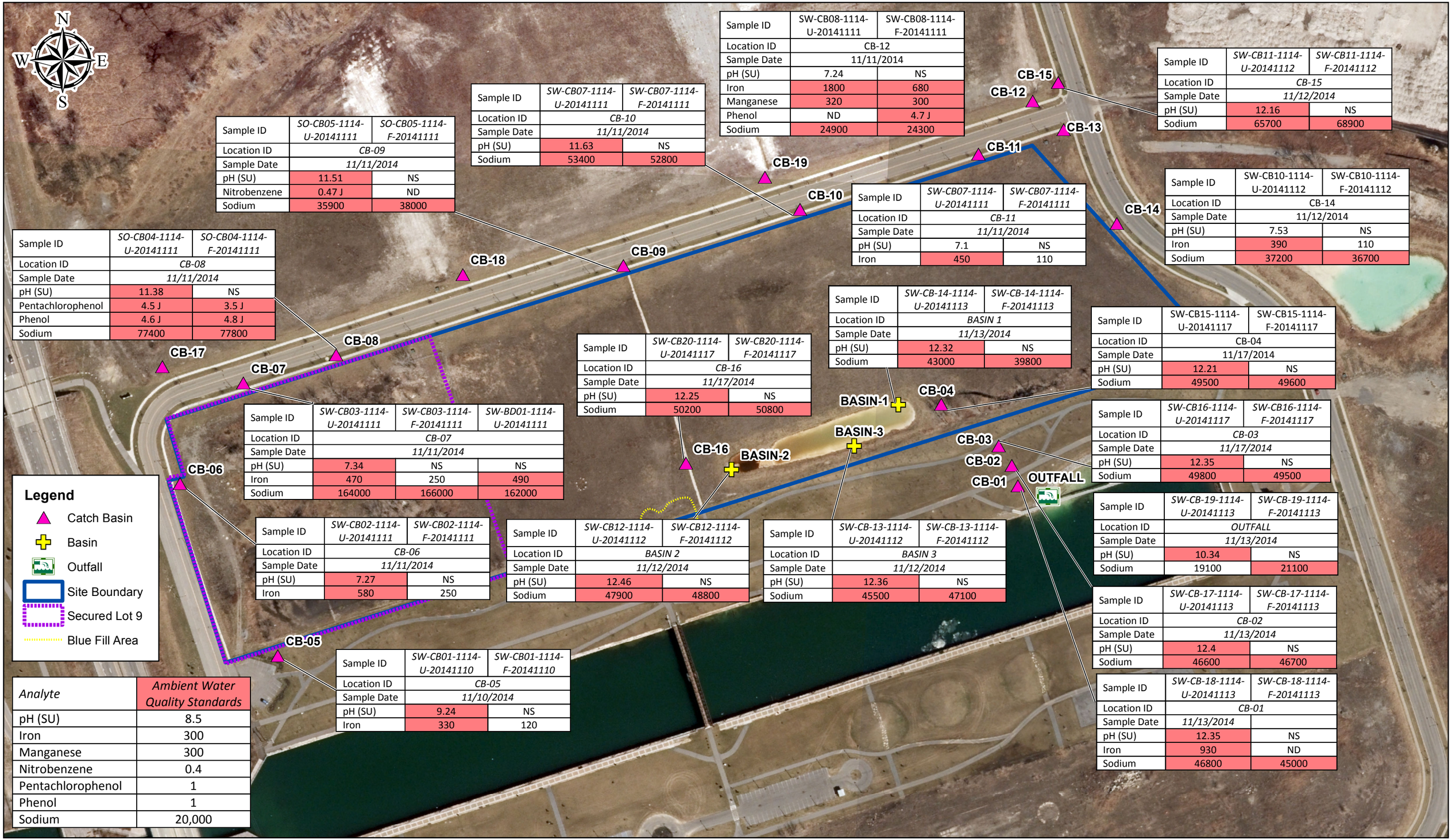
Analyte	Ambient Water Quality Standards
pH (SU)	12

CDM Smith

Notes:
1. All results are in µg/L, unless otherwise noted.
2. J – Detected above MDL, but below MRL.

0 50 100 200 300 400 Feet

Figure 3-4A
Surface Water Results - September 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Sample ID	SW-CB08-1114-U-20141111	SW-CB08-1114-F-20141111
Location ID	CB-12	
Sample Date	11/11/2014	
pH (SU)	7.24	NS
Iron	1800	680
Manganese	320	300
Phenol	ND	4.7 J
Sodium	24900	24300

Sample ID	SW-CB11-1114-U-20141112	SW-CB11-1114-F-20141112
Location ID	CB-15	
Sample Date	11/12/2014	
pH (SU)	12.16	NS
Sodium	65700	68900

Sample ID	SO-CB05-1114-U-20141111	SO-CB05-1114-F-20141111
Location ID	CB-09	
Sample Date	11/11/2014	
pH (SU)	11.51	NS
Nitrobenzene	0.47 J	ND
Sodium	35900	38000

Sample ID	SW-CB07-1114-U-20141111	SW-CB07-1114-F-20141111
Location ID	CB-10	
Sample Date	11/11/2014	
pH (SU)	11.63	NS
Sodium	53400	52800

Sample ID	SW-CB10-1114-U-20141112	SW-CB10-1114-F-20141112
Location ID	CB-14	
Sample Date	11/12/2014	
pH (SU)	7.53	NS
Iron	390	110
Sodium	37200	36700

Sample ID	SW-CB07-1114-U-20141111	SW-CB07-1114-F-20141111
Location ID	CB-11	
Sample Date	11/11/2014	
pH (SU)	7.1	NS
Iron	450	110

Sample ID	SO-CB04-1114-U-20141111	SO-CB04-1114-F-20141111
Location ID	CB-08	
Sample Date	11/11/2014	
pH (SU)	11.38	NS
Pentachlorophenol	4.5 J	3.5 J
Phenol	4.6 J	4.8 J
Sodium	77400	77800

Sample ID	SW-CB-14-1114-U-20141113	SW-CB-14-1114-F-20141113
Location ID	BASIN 1	
Sample Date	11/13/2014	
pH (SU)	12.32	NS
Sodium	43000	39800

Sample ID	SW-CB15-1114-U-20141117	SW-CB15-1114-F-20141117
Location ID	CB-04	
Sample Date	11/17/2014	
pH (SU)	12.21	NS
Sodium	49500	49600

Sample ID	SW-CB20-1114-U-20141117	SW-CB20-1114-F-20141117
Location ID	CB-16	
Sample Date	11/17/2014	
pH (SU)	12.25	NS
Sodium	50200	50800

Sample ID	SW-CB03-1114-U-20141111	SW-CB03-1114-F-20141111	SW-BD01-1114-U-20141111
Location ID	CB-07		
Sample Date	11/11/2014		
pH (SU)	7.34	NS	NS
Iron	470	250	490
Sodium	164000	166000	162000

Sample ID	SW-CB16-1114-U-20141117	SW-CB16-1114-F-20141117
Location ID	CB-03	
Sample Date	11/17/2014	
pH (SU)	12.35	NS
Sodium	49800	49500

Sample ID	SW-CB-19-1114-U-20141113	SW-CB-19-1114-F-20141113
Location ID	OUTFALL	
Sample Date	11/13/2014	
pH (SU)	10.34	NS
Sodium	19100	21100

Sample ID	SW-CB02-1114-U-20141111	SW-CB02-1114-F-20141111
Location ID	CB-06	
Sample Date	11/11/2014	
pH (SU)	7.27	NS
Iron	580	250

Sample ID	SW-CB12-1114-U-20141112	SW-CB12-1114-F-20141112
Location ID	BASIN 2	
Sample Date	11/12/2014	
pH (SU)	12.46	NS
Sodium	47900	48800

Sample ID	SW-CB-13-1114-U-20141112	SW-CB-13-1114-F-20141112
Location ID	BASIN 3	
Sample Date	11/12/2014	
pH (SU)	12.36	NS
Sodium	45500	47100

Sample ID	SW-CB-17-1114-U-20141113	SW-CB-17-1114-F-20141113
Location ID	CB-02	
Sample Date	11/13/2014	
pH (SU)	12.4	NS
Sodium	46600	46700

Sample ID	SW-CB01-1114-U-20141110	SW-CB01-1114-F-20141110
Location ID	CB-05	
Sample Date	11/10/2014	
pH (SU)	9.24	NS
Iron	330	120

Sample ID	SW-CB-18-1114-U-20141113	SW-CB-18-1114-F-20141113
Location ID	CB-01	
Sample Date	11/13/2014	
pH (SU)	12.35	NS
Iron	930	ND
Sodium	46800	45000

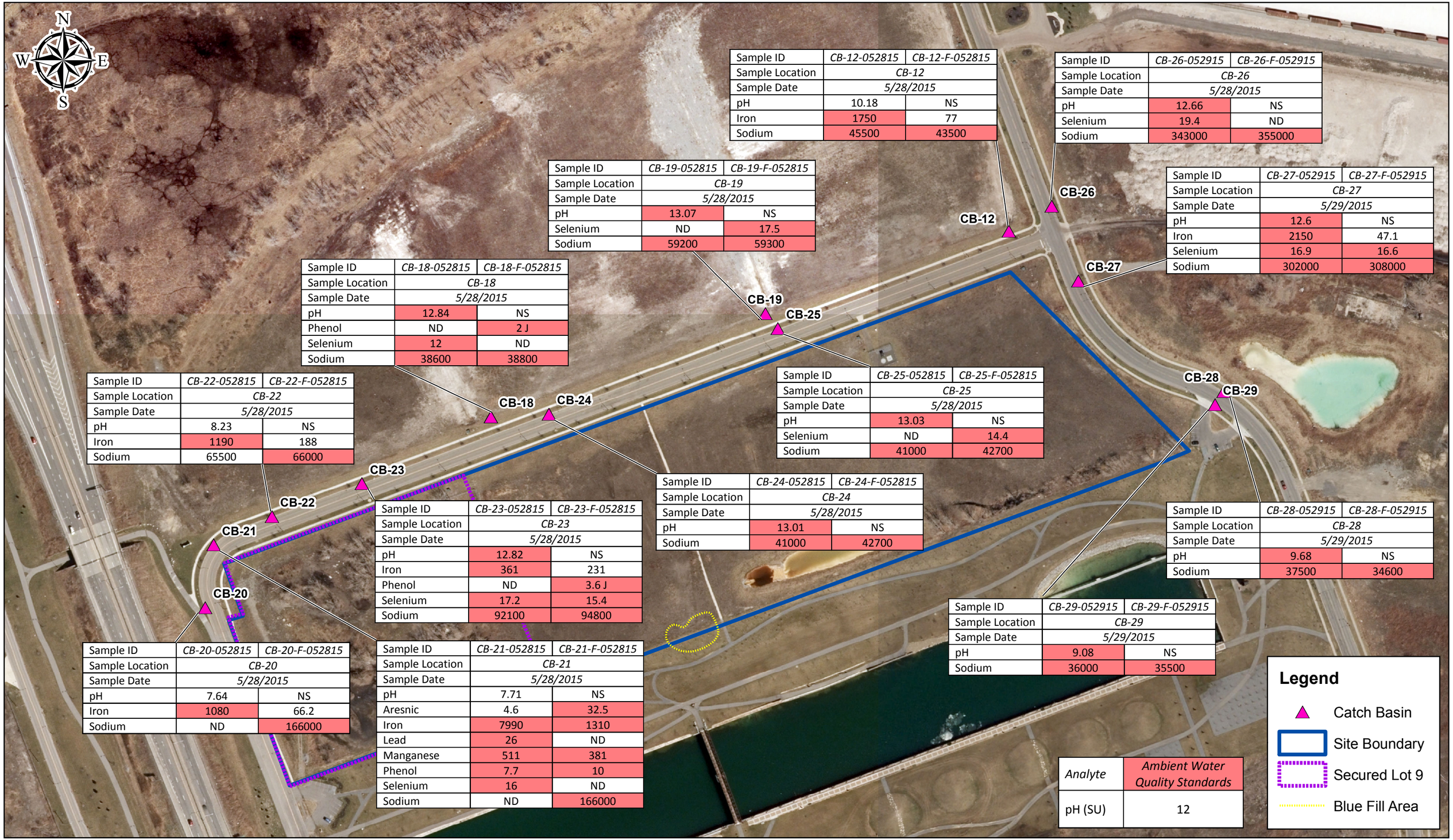
Analyte	Ambient Water Quality Standards
pH (SU)	8.5
Iron	300
Manganese	300
Nitrobenzene	0.4
Pentachlorophenol	1
Phenol	1
Sodium	20,000

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Notes:
1. All results are in µg/L, unless otherwise noted.
2. J – Detected above MDL, but below MRL.

0 50 100 200 300 400 Feet

Figure 3-4B
Surface Water Results - November and December 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Sample ID	CB-12-052815	CB-12-F-052815
Sample Location	CB-12	
Sample Date	5/28/2015	
pH	10.18	NS
Iron	1750	77
Sodium	45500	43500

Sample ID	CB-26-052915	CB-26-F-052915
Sample Location	CB-26	
Sample Date	5/28/2015	
pH	12.66	NS
Selenium	19.4	ND
Sodium	343000	355000

Sample ID	CB-19-052815	CB-19-F-052815
Sample Location	CB-19	
Sample Date	5/28/2015	
pH	13.07	NS
Selenium	ND	17.5
Sodium	59200	59300

Sample ID	CB-27-052915	CB-27-F-052915
Sample Location	CB-27	
Sample Date	5/29/2015	
pH	12.6	NS
Iron	2150	47.1
Selenium	16.9	16.6
Sodium	302000	308000

Sample ID	CB-18-052815	CB-18-F-052815
Sample Location	CB-18	
Sample Date	5/28/2015	
pH	12.84	NS
Phenol	ND	2 J
Selenium	12	ND
Sodium	38600	38800

Sample ID	CB-25-052815	CB-25-F-052815
Sample Location	CB-25	
Sample Date	5/28/2015	
pH	13.03	NS
Selenium	ND	14.4
Sodium	41000	42700

Sample ID	CB-22-052815	CB-22-F-052815
Sample Location	CB-22	
Sample Date	5/28/2015	
pH	8.23	NS
Iron	1190	188
Sodium	65500	66000

Sample ID	CB-24-052815	CB-24-F-052815
Sample Location	CB-24	
Sample Date	5/28/2015	
pH	13.01	NS
Sodium	41000	42700

Sample ID	CB-23-052815	CB-23-F-052815
Sample Location	CB-23	
Sample Date	5/28/2015	
pH	12.82	NS
Iron	361	231
Phenol	ND	3.6 J
Selenium	17.2	15.4
Sodium	92100	94800

Sample ID	CB-28-052915	CB-28-F-052915
Sample Location	CB-28	
Sample Date	5/29/2015	
pH	9.68	NS
Sodium	37500	34600

Sample ID	CB-20-052815	CB-20-F-052815
Sample Location	CB-20	
Sample Date	5/28/2015	
pH	7.64	NS
Iron	1080	66.2
Sodium	ND	166000

Sample ID	CB-21-052815	CB-21-F-052815
Sample Location	CB-21	
Sample Date	5/28/2015	
pH	7.71	NS
Aresnic	4.6	32.5
Iron	7990	1310
Lead	26	ND
Manganese	511	381
Phenol	7.7	10
Selenium	16	ND
Sodium	ND	166000

Sample ID	CB-29-052915	CB-29-F-052915
Sample Location	CB-29	
Sample Date	5/29/2015	
pH	9.08	NS
Sodium	36000	35500

Legend

- Catch Basin
- Site Boundary
- Secured Lot 9
- Blue Fill Area

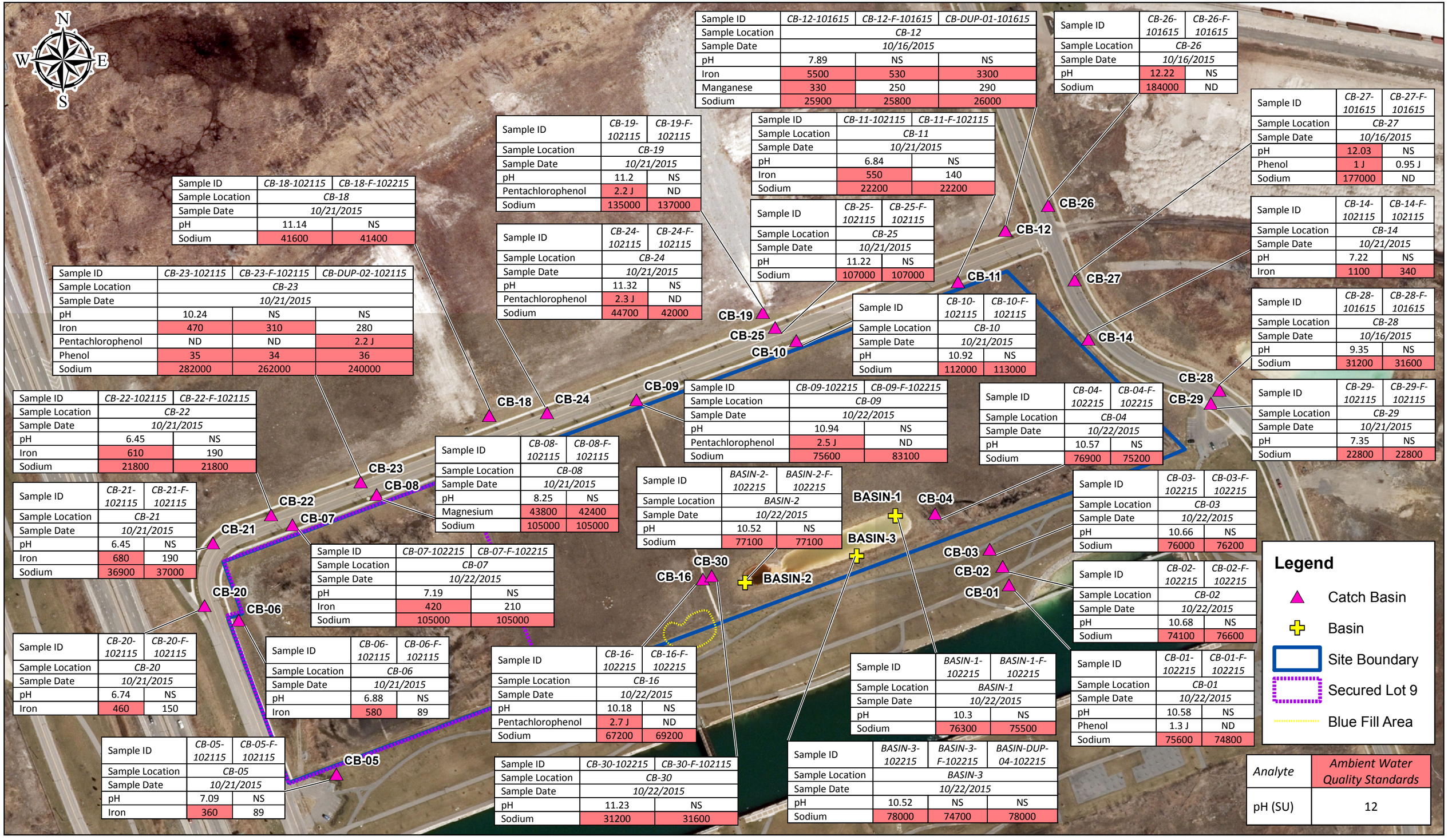
Analyte	*Ambient Water Quality Standards*
pH (SU)	12

CDM Smith

Notes:
1. All results are in µg/L, unless otherwise noted.
2. J – Detected above MDL, but below MRL.

0 50 100 200 300 400 Feet

Figure 3-4C
Surface Water Results - May 2015
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Sample ID	CB-18-102115	CB-18-F-102215
Sample Location	CB-18	
Sample Date	10/21/2015	
pH	11.14	NS
Sodium	41600	41400

Sample ID	CB-23-102115	CB-23-F-102115	CB-DUP-02-102115
Sample Location	CB-23		
Sample Date	10/21/2015		
pH	10.24	NS	NS
Iron	470	310	280
Pentachlorophenol	ND	ND	2.2 J
Phenol	35	34	36
Sodium	282000	262000	240000

Sample ID	CB-22-102115	CB-22-F-102115
Sample Location	CB-22	
Sample Date	10/21/2015	
pH	6.45	NS
Iron	610	190
Sodium	21800	21800

Sample ID	CB-21-102115	CB-21-F-102115
Sample Location	CB-21	
Sample Date	10/21/2015	
pH	6.45	NS
Iron	680	190
Sodium	36900	37000

Sample ID	CB-20-102115	CB-20-F-102115
Sample Location	CB-20	
Sample Date	10/21/2015	
pH	6.74	NS
Iron	460	150

Sample ID	CB-05-102115	CB-05-F-102115
Sample Location	CB-05	
Sample Date	10/21/2015	
pH	7.09	NS
Iron	360	89

Sample ID	CB-06-102115	CB-06-F-102115
Sample Location	CB-06	
Sample Date	10/21/2015	
pH	6.88	NS
Iron	580	89

Sample ID	CB-07-102215	CB-07-F-102215
Sample Location	CB-07	
Sample Date	10/22/2015	
pH	7.19	NS
Iron	420	210
Sodium	105000	105000

Sample ID	CB-08-102115	CB-08-F-102115
Sample Location	CB-08	
Sample Date	10/21/2015	
pH	8.25	NS
Magnesium	43800	42400
Sodium	105000	105000

Sample ID	CB-16-102215	CB-16-F-102215
Sample Location	CB-16	
Sample Date	10/22/2015	
pH	10.18	NS
Pentachlorophenol	2.7 J	ND
Sodium	67200	69200

Sample ID	CB-30-102215	CB-30-F-102115
Sample Location	CB-30	
Sample Date	10/22/2015	
pH	11.23	NS
Sodium	31200	31600

Sample ID	CB-19-102115	CB-19-F-102115
Sample Location	CB-19	
Sample Date	10/21/2015	
pH	11.2	NS
Pentachlorophenol	2.2 J	ND
Sodium	135000	137000

Sample ID	CB-24-102115	CB-24-F-102115
Sample Location	CB-24	
Sample Date	10/21/2015	
pH	11.32	NS
Pentachlorophenol	2.3 J	ND
Sodium	44700	42000

Sample ID	CB-09-102215	CB-09-F-102215
Sample Location	CB-09	
Sample Date	10/22/2015	
pH	10.94	NS
Pentachlorophenol	2.5 J	ND
Sodium	75600	83100

Sample ID	BASIN-2-102215	BASIN-2-F-102215
Sample Location	BASIN-2	
Sample Date	10/22/2015	
pH	10.52	NS
Sodium	77100	77100

Sample ID	CB-12-101615	CB-12-F-101615	CB-DUP-01-101615
Sample Location	CB-12		
Sample Date	10/16/2015		
pH	7.89	NS	NS
Iron	5500	530	3300
Manganese	330	250	290
Sodium	25900	25800	26000

Sample ID	CB-11-102115	CB-11-F-102115
Sample Location	CB-11	
Sample Date	10/21/2015	
pH	6.84	NS
Iron	550	140
Sodium	22200	22200

Sample ID	CB-25-102115	CB-25-F-102115
Sample Location	CB-25	
Sample Date	10/21/2015	
pH	11.22	NS
Sodium	107000	107000

Sample ID	CB-10-102115	CB-10-F-102115
Sample Location	CB-10	
Sample Date	10/21/2015	
pH	10.92	NS
Sodium	112000	113000

Sample ID	BASIN-1-102215	BASIN-1-F-102215
Sample Location	BASIN-1	
Sample Date	10/22/2015	
pH	10.3	NS
Sodium	76300	75500

Sample ID	BASIN-3-102215	BASIN-3-F-102215	BASIN-DUP-04-102215
Sample Location	BASIN-3		
Sample Date	10/22/2015		
pH	10.52	NS	NS
Sodium	78000	74700	78000

Sample ID	CB-04-102215	CB-04-F-102215
Sample Location	CB-04	
Sample Date	10/22/2015	
pH	10.57	NS
Sodium	76900	75200

Sample ID	CB-03-102215	CB-03-F-102215
Sample Location	CB-03	
Sample Date	10/22/2015	
pH	10.66	NS
Sodium	76000	76200

Sample ID	CB-02-102215	CB-02-F-102215
Sample Location	CB-02	
Sample Date	10/22/2015	
pH	10.68	NS
Sodium	74100	76600

Sample ID	CB-01-102215	CB-01-F-102215
Sample Location	CB-01	
Sample Date	10/22/2015	
pH	10.58	NS
Phenol	1.3 J	ND
Sodium	75600	74800

Sample ID	CB-26-101615	CB-26-F-101615
Sample Location	CB-26	
Sample Date	10/16/2015	
pH	12.22	NS
Sodium	184000	ND

Sample ID	CB-27-101615	CB-27-F-101615
Sample Location	CB-27	
Sample Date	10/16/2015	
pH	12.03	NS
Phenol	1 J	0.95 J
Sodium	177000	ND

Sample ID	CB-14-102115	CB-14-F-102115
Sample Location	CB-14	
Sample Date	10/21/2015	
pH	7.22	NS
Iron	1100	340

Sample ID	CB-28-101615	CB-28-F-101615
Sample Location	CB-28	
Sample Date	10/16/2015	
pH	9.35	NS
Sodium	31200	31600

Sample ID	CB-29-102115	CB-29-F-102115
Sample Location	CB-29	
Sample Date	10/21/2015	
pH	7.35	NS
Sodium	22800	22800

Legend

- Catch Basin
- Basin
- Site Boundary
- Secured Lot 9
- Blue Fill Area

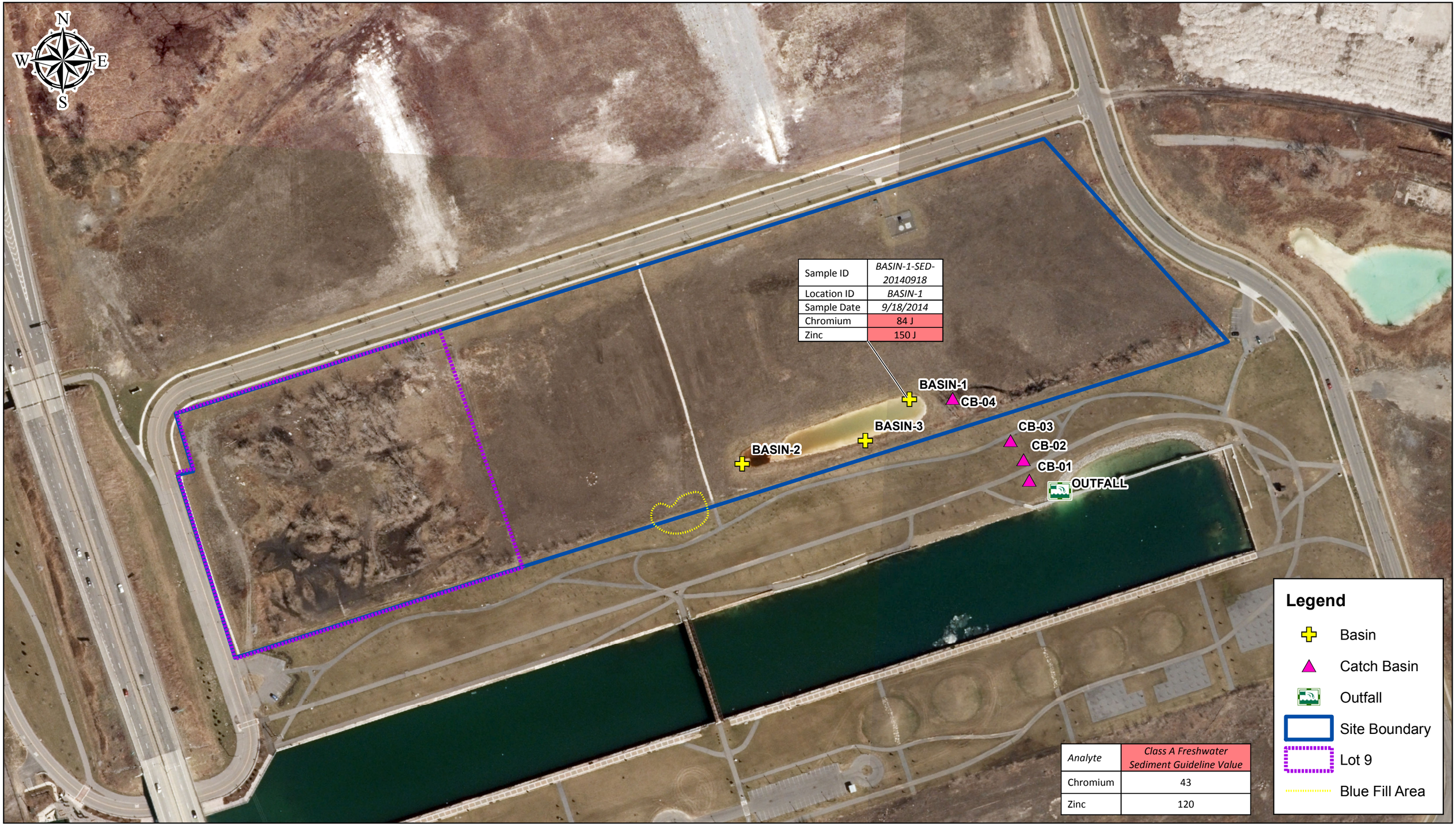
Analyte	Ambient Water Quality Standards
pH (SU)	12

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Notes:
1. All results are in µg/L, unless otherwise noted.
2. J – Detected above MDL, but below MRL.

0 50 100 200 300 400 Feet

Figure 3-4D
Surface Water Results - October 2015
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY

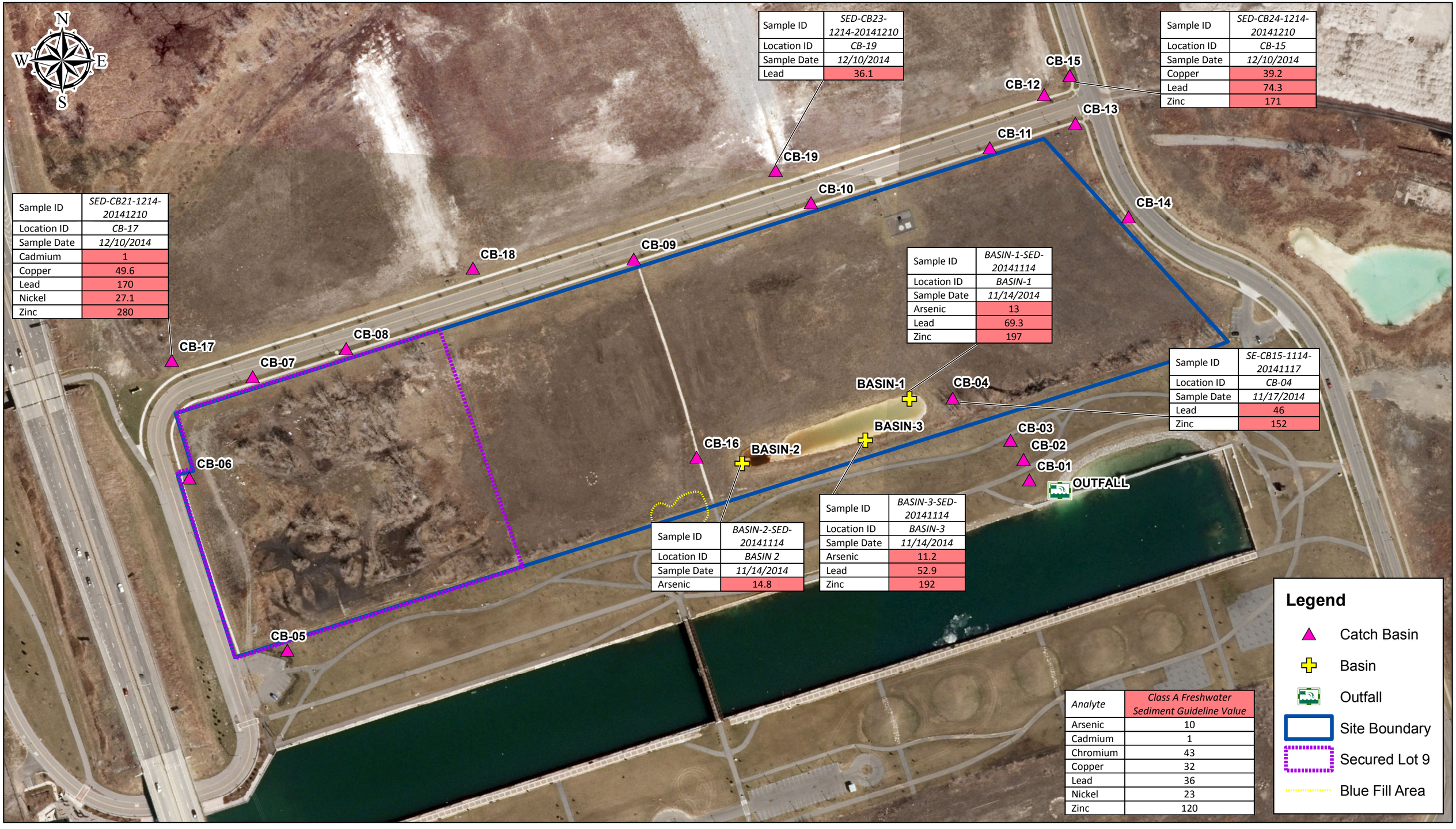


Notes:
1. All results are in mg/kg, unless otherwise noted.
2. J – Detected above MDL, but below MRL.

0 50 100 200 300 400 Feet

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Figure 3-5A
Sediment Sampling Results - September 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY



Notes:
1. All results are in mg/kg, unless otherwise noted.

0 50 100 200 300 400 Feet

CDM Smith

Figure 3-5B
Sediment Sampling Results - November and December 2014
Buffalo Lakeside Commerce Park Parcel 4 Site
Buffalo, NY